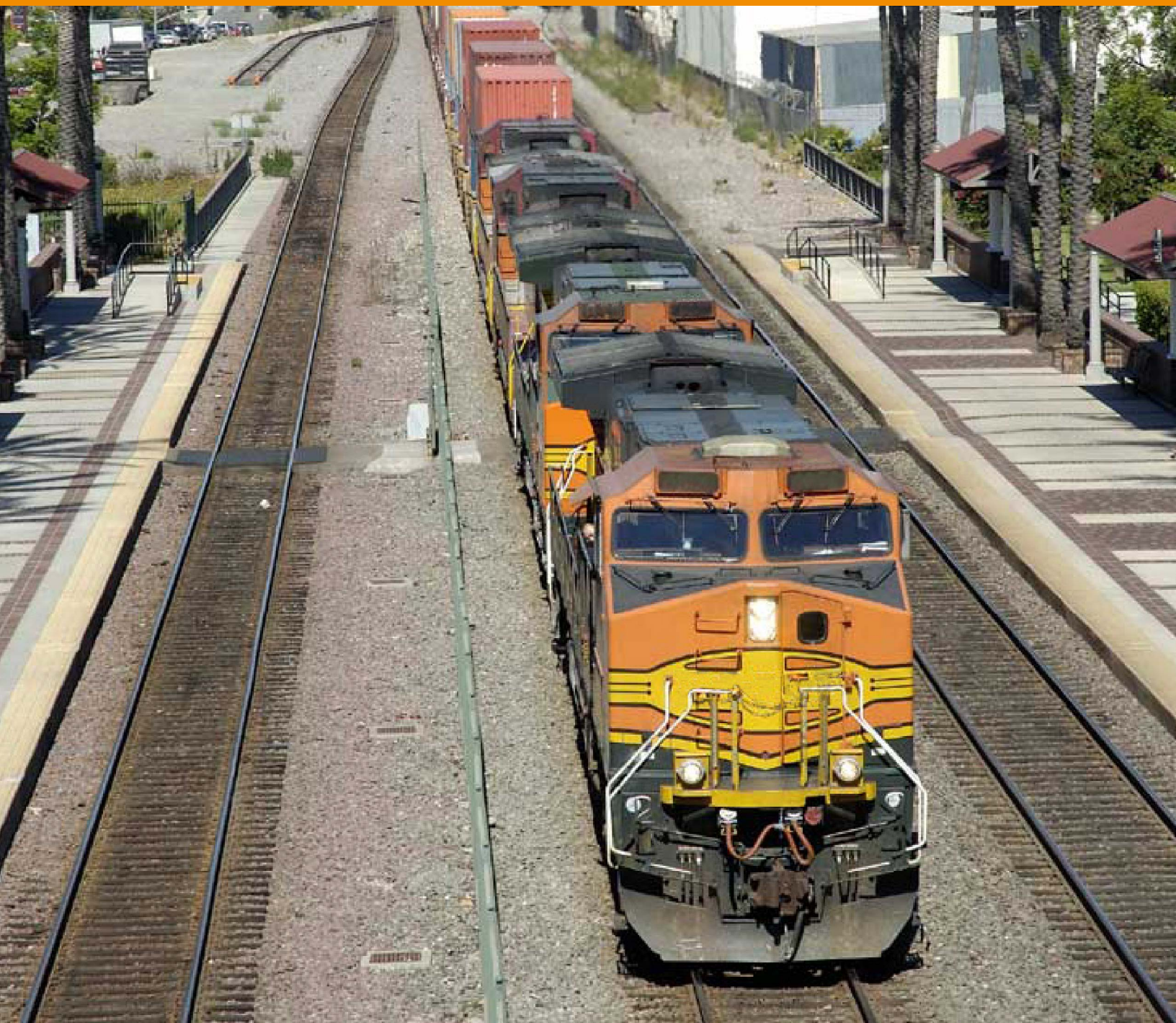


Railroad Safety Statistics 2007 Annual Report



U.S. Department of Transportation
Federal Railroad Administration

always expect a train



FOREWORD

The Federal Railroad Administration (FRA) has established an ultimate goal of “zero tolerance” for rail-related accidents, injuries, and fatalities. In pursuit of that goal, significant progress has been made, particularly over the past 6 years, in reducing the number of train collisions, derailments, highway-rail grade crossing incidents, and injuries to railroad workers. These results have been achieved because of a collaborative effort involving FRA, railroad management, rail labor, equipment suppliers, and contractors, as well as other Federal and State agencies whose mission involves ensuring railroad safety. Central to the success of this rail safety effort is the ability to understand the nature of rail-related accidents and to analyze trends in railroad safety.

The FRA’s *Railroad Safety Statistics–Annual Report 2007* is intended as a resource for FRA’s safety partners. It is also intended as a general reference source for individuals and organizations with an interest in rail safety issues. Statistical data, tables, and charts are provided to depict the nature and cause of many rail-related accidents and incidents that occurred in 2007. Furthermore, selected historical data is included to provide a baseline for understanding the railroad industry’s improving safety performance.

Note: Beginning with 2003, the accident/incident databases will remain open for 5 years after the end of the calendar year. Counts of accidents/incidents are not expected to change much after the publication of the annual report. You are encouraged to visit our safety data Web site located at <http://safetydata.fra.dot.gov/officeofsafety> to obtain current data. The counts in this publication were produced on April 8, 2009, and represent data received through January 2008.

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.

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

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

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

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

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

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

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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 recordkeeping and reporting requirements were put in place for 1997. These modifications did not redefine what was to be reported, but expanded 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 FRA regulations at Title 49 Code of Federal Regulations (CFR) Part 225 to use the current *FRA Guide for Preparing Accident/Incident Reports* ("Guide" or "reporting guide") when preparing its monthly report. The instructions and interpretations contained in this publication are provided to assist railroads in meeting this obligation.

Accident/Incident. This term is 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 on-track 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 2007 was \$8,200.)

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, HIGHWAY-RAIL 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 grade crossing 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 grade crossing incident resulting in reportable injuries. An accident of this type would require the completion of both Form FRA F 6180.57 and Form FRA F 6180.55a. 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 would be reported as a “trespasser” on Form FRA F 6180.55a, but the event would be 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 these numbers are identified in most tables in Chapter 1.

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

The data is presented in the following general format. First, there is a graphic historical review of the major indicators of railroad safety since 1995. Following this are overall totals for the 5-year period beginning with 2003, 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 Railroad counts.

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OVERVIEW OF ACCIDENT/INCIDENTS AND RATES

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

Category	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
---GRAND TOTAL---												
Accidents/incidents	17,690	16,698	16,501	16,776	16,919	16,086	14,403	14,370	14,510	14,255	13,697	13,697
Rate 1/	26.37	24.68	24.16	23.55	23.41	22.61	19.77	19.33	18.84	18.07	16.93	17.36
Deaths	1,039	1,063	1,008	932	937	971	951	865	891	884	903	845
Nonfatal conditions	12,558	11,767	11,459	11,700	11,643	10,985	11,103	9,264	9,192	9,511	8,710	9,461
---TRAIN ACCIDENTS----												
Rate 2/	3.64	3.54	3.77	3.89	4.13	4.25	3.76	4.06	4.39	4.14	3.69	3.38
Total number	2,443	2,397	2,575	2,768	2,983	3,023	2,738	3,019	3,382	3,262	2,984	2,666
Deaths	25	17	4	9	10	6	15	4	13	33	6	8
Injuries	281	183	129	130	275	310	1,884	232	347	789	222	297
Collisions	205	202	168	205	238	220	192	198	237	273	203	208
Derailments	1,816	1,741	1,757	1,961	2,112	2,234	1,989	2,133	2,432	2,302	2,184	1,918
On main line	941	867	934	858	976	1,025	886	965	1,019	1,004	969	832
On yard track	1,249	1,223	1,306	1,531	1,619	1,569	1,478	1,668	1,923	1,809	1,561	1,377
Yard track rate 3/	14.22	14.41	15.60	17.51	18.21	18.30	18.25	20.43	22.91	20.53	17.53	13.24
Other track rate 4/	2.05	1.98	2.12	1.98	2.15	2.32	1.95	2.04	2.13	2.07	1.98	1.88
Track caused	905	879	900	995	1,035	1,121	941	974	1,052	1,083	1,068	928
Track caused rate	1.35	1.30	1.32	1.40	1.43	1.58	1.29	1.31	1.37	1.37	1.32	1.18
Human factor caused	783	855	971	1,031	1,147	1,035	1,050	1,230	1,354	1,266	1,063	1,033
Equipment caused	318	271	307	321	372	427	367	361	429	369	348	320
Signal caused	49	39	38	49	70	42	50	58	70	63	50	49
Equip Dmg (millions \$)	160.908	152.092	162.561	164.654	169.172	200.752	173.982	198.698	225.421	225.851	213.091	210.985
Track Dmg (millions \$)	51.407	58.637	71.337	80.435	94.040	113.713	92.550	99.569	100.464	113.798	109.112	97.377
Hazmat												
Consists releasing	34	31	42	41	35	32	31	30	31	39	30	46
Cars releasing	69	38	66	75	75	57	56	41	49	52	71	76
People evacuated	8,547	8,812	2,058	996	5,258	52,620	5,438	2,260	5,938	7,636	3,682	11,698
---HIGHWAY-RAIL-----												
Rate 5/	6.34	5.71	5.14	4.90	4.84	4.55	4.22	4.00	4.00	3.88	3.63	3.49
Incidents	4,257	3,865	3,508	3,489	3,502	3,237	3,077	2,977	3,079	3,058	2,937	2,754
Deaths	488	461	431	402	425	421	357	334	371	359	369	335
Injuries	1,610	1,540	1,303	1,396	1,219	1,157	999	1,035	1,095	1,051	1,070	1,050
---OTHER INCIDENTS----												
Incidents 6/	10,990	10,436	10,418	10,519	10,434	9,826	8,588	8,374	8,049	7,935	7,776	8,277
Deaths	526	585	573	521	502	544	579	527	507	492	528	502
Injuries	10,667	10,044	10,027	10,174	10,149	9,518	8,220	7,997	7,750	7,671	7,418	8,114

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

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

Category	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
...EMPLOYEE COUNTS.....												
All accidents/incidents												
Rate 1/	3.66	3.31	3.27	3.39	3.44	3.30	2.94	2.78	2.64	2.44	2.17	2.22
Deaths	33	37	27	31	24	22	20	19	25	25	16	17
Nonfatal conditions	9,199	8,295	8,398	8,622	8,423	7,815	6,644	6,258	6,021	5,821	5,246	5,351
Cases with days absent	5,981	5,371	5,359	5,779	5,788	5,409	4,642	4,401	4,071	3,969	3,487	3,672
Percent of total	64.79	64.46	63.61	66.79	68.52	69.02	69.66	70.11	67.33	67.89	66.27	68.41
Sprains/strains	4,427	3,960	3,945	4,280	4,357	4,025	3,353	3,030	2,848	2,611	2,409	2,496
Occupational illnesses	157	128	171	141	129	167	120	182	253	287	271	220
...PASSENGERS ON TRAINS												
Rate 2/	3.86	4.29	3.69	3.33	4.10	4.78	5.83	4.69	4.58	6.11	5.64	8.52
Deaths	12	6	4	14	4	3	7	3	3	16	2	5
Injuries	513	601	535	481	658	746	877	727	702	946	913	1,461
In Train Accs/Highway-Rail												
Deaths	9	1	2	11	0	1	7	1	1	12	0	0
Rate	0.07	0.01	0.01	0.07	0.00	0.01	0.05	0.01	0.01	0.08	0.00	0.00
Injuries	139	94	30	54	95	149	304	152	117	335	157	235
...TRESPASSER COUNTS...												
Rate 3/	1.41	1.55	1.54	1.30	1.21	1.29	1.28	1.21	1.14	1.11	1.22	1.11
Deaths	471	533	536	479	463	511	540	498	472	458	511	470
Injuries	474	516	513	445	414	404	395	398	405	419	479	405
---OPERATIONS(millions)												
Total train miles 4/	670.924	676.716	682.895	712.453	722.877	711.550	728.674	743.331	770.152	788.818	809.114	788.935
Yard switching miles 5/	87.823	84.874	83.692	87.459	88.919	85.747	81.002	81.630	83.935	88.094	89.045	103.999
Employee hours 6/	504.599	503.918	514.870	509.997	490.926	475.120	454.102	451.148	458.399	478.458	485.730	483.214
Passengers carried 7/	397.394	408.619	439.958	464.885	501.750	517.249	503.930	494.264	513.293	522.507	548.557	580.546

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				
	2003	2004	2005	2006	2007	2003	2004	2005	2006	2007
A - Worker on duty(rr empl)	2	7	7	-	5	140	159	128	105	94
B - Employee not on duty	-	-	-	-	-	2	5	9	-	-
C - Passenger on train	-	1	12	-	-	78	89	302	62	168
D - Nontrespasser	-	-	1	-	1	4	-	1	2	2
E - Trespasser	2	1	4	4	2	1	-	1	4	3
F - Worker on duty(contractor)	-	1	-	2	-	4	7	5	4	1
G - Contractor(other)	-	-	-	-	-	1	1	-	-	3
J - Nontrespasser, off rr prop	-	3	9	-	-	2	86	343	45	26
--Total...	4	13	33	6	8	232	347	789	222	297

Highway-Rail Crossing (HRC) Incidents

Type Person	Fatalities					Nonfatal Conditions				
	2003	2004	2005	2006	2007	2003	2004	2005	2006	2007
A - Worker on duty(rr empl)	1	2	2	4	1	76	116	112	97	107
B - Employee not on duty	-	-	-	-	-	-	4	3	2	1
C - Passenger on train	1	-	-	-	-	74	28	33	95	67
D - Nontrespasser	198	222	226	233	180	661	673	633	635	561
E - Trespasser	133	145	130	130	154	218	252	264	225	277
F - Worker on duty(contractor)	1	-	-	-	-	2	-	-	-	4
G - Contractor(other)	-	-	-	-	-	-	1	2	-	25
J - Nontrespasser, off rr prop	-	2	1	2	-	4	21	4	16	8
--Total...	334	371	359	369	335	1,035	1,095	1,051	1,070	1,050

Other Incidents, Excluding HRC

Type Person	Fatalities					Nonfatal Conditions				
	2003	2004	2005	2006	2007	2003	2004	2005	2006	2007
A - Worker on duty(rr empl)	16	16	16	12	11	6,042	5,746	5,581	5,044	5,150
B - Employee not on duty	1	-	-	-	-	224	191	159	167	182
C - Passenger on train	2	2	4	2	5	575	585	611	756	1,226
D - Nontrespasser	7	14	12	2	10	381	452	461	543	726
E - Trespasser	496	471	454	507	468	397	405	418	475	402
F - Worker on duty(contractor)	2	1	2	2	-	179	152	175	195	200
G - Contractor(other)	2	2	3	3	5	186	199	233	209	207
H - Worker on duty(volunteer)	-	-	-	-	-	5	3	1	3	6
I - Volunteer(other)	-	-	-	-	-	2	2	-	4	2
J - Nontrespasser, off rr prop	1	1	1	-	3	6	15	32	22	13
--Total...	527	507	492	528	502	7,997	7,750	7,671	7,418	8,114

GRAND TOTAL

Type Person	Fatalities					Nonfatal Conditions				
	2003	2004	2005	2006	2007	2003	2004	2005	2006	2007
A - Worker on duty(rr empl)	19	25	25	16	17	6,258	6,021	5,821	5,246	5,351
B - Employee not on duty	1	-	-	-	-	226	200	171	169	183
C - Passenger on train	3	3	16	2	5	727	702	946	913	1,461
D - Nontrespasser	205	236	239	235	191	1,046	1,125	1,095	1,180	1,289
E - Trespasser	631	617	588	641	624	616	657	683	704	682
F - Worker on duty(contractor)	3	2	2	4	-	185	159	180	199	205
G - Contractor(other)	2	2	3	3	5	187	201	235	209	235
H - Worker on duty(volunteer)	-	-	-	-	-	5	3	1	3	6
I - Volunteer(other)	-	-	-	-	-	2	2	-	4	2
J - Nontrespasser, off rr prop	1	6	11	2	3	12	122	379	83	47
--Total...	865	891	884	903	845	9,264	9,192	9,511	8,710	9,461

TABLE 1-4 TOTAL CASUALTIES BY RAILROAD

Railroads	Fatalities					Nonfatal				
	2003	2004	2005	2006	2007	2003	2004	2005	2006	2007
Alton & Southern	-	-	-	1	-	11	7	11	7	4
Alaska RR Corp.	-	-	1	-	-	29	28	29	23	31
Amtrak	118	128	122	118	129	1,346	1,374	1,243	1,315	1,568
Burlington Northern Santa Fe	136	140	151	144	123	1,125	1,120	1,287	1,156	1,229
Belt Rwy Of Chicago	-	-	-	-	-	15	16	11	15	12
Canadian National	20	16	24	27	20	395	340	294	258	292
Canadian Pacific	9	3	10	5	8	147	114	83	83	103
Conrail Shared Assets	1	1	1	1	-	51	35	28	36	40
CSX Transportation	134	139	115	136	128	991	997	786	726	619
Dakota,Minnesota & Eastern	5	2	4	1	6	58	85	73	52	54
Florida East Coast	18	17	26	18	20	37	32	21	19	36
Guilford Rail System	3	1	2	2	1	23	10	15	12	24
Other Railroads	31	26	35	32	32	759	822	864	860	808
Indiana Harbor Belt	-	-	1	1	1	33	29	17	18	13
Kansas City Southern	17	25	13	13	17	141	180	140	118	120
Long Island Rail Road	7	4	9	3	9	324	334	312	372	533
MD Assn. of Rail Comm	-	2	1	2	1	7	8	8	8	19
Mass Bay Transit Auth.	5	4	5	9	12	120	90	94	136	80
Montreal, Maine & Atlantic	-	-	-	1	-	11	12	12	11	14
Metro North Commuter	1	4	3	2	9	436	380	294	259	253
Montana Rail Link	1	-	3	-	-	35	49	39	48	35
Northern IN Comm Trans	-	-	-	-	4	26	31	17	20	18
Northeast IL Reg Comm	16	13	16	8	13	262	264	409	240	276
New Jersey Transit Rail	8	17	9	10	14	235	191	201	219	171
Norfolk Southern Corp.	108	128	139	118	111	662	617	976	621	650
Paducah & Louisville	-	1	1	3	-	8	10	4	17	7
Port Auth Trans Hudson	-	-	-	-	-	170	171	158	146	203
Peninsula Comm San Mateo Cnty	7	5	4	9	3	32	39	26	26	33
Port Terminal RR Assn	-	-	-	-	-	17	14	28	10	47
Southern CA Reg Rail Auth.	13	5	17	9	9	59	24	103	21	25
Southeastern PA Trans.	-	7	5	2	2	232	246	343	351	576
Term RR Assn Of St. Louis	-	-	-	-	-	6	5	2	3	2
Union Pacific	207	203	167	226	172	1,381	1,467	1,524	1,459	1,521
Union RR (Pittsburgh)	-	-	-	-	-	30	18	17	9	5
Wheeling & Lake Erie	-	-	-	1	1	18	12	20	11	21
Wisconsin & Southern RR	-	-	-	1	-	32	21	22	25	19
Total	865	891	884	903	845	9,264	9,192	9,511	8,710	9,461

TABLE 1-5 TOTAL CASUALTIES BY STATE

States	Fatalities					Nonfatal					5 year Total	
	2003	2004	2005	2006	2007	2003	2004	2005	2006	2007	Kld	Nonf
Alabama	16	20	25	21	20	133	127	153	157	144	102	714
Alaska	-	-	1	-	-	43	43	56	40	51	1	233
Arizona	17	18	23	27	12	112	144	116	118	111	97	601
Arkansas	11	11	15	15	18	142	136	213	144	161	70	796
California	115	117	120	122	124	708	515	701	571	631	598	3,126
Colorado	6	4	9	17	5	135	142	167	155	130	41	729
Connecticut	2	7	6	2	8	128	114	105	106	113	25	566
Delaware	3	1	2	2	2	64	63	61	62	55	10	305
Dist Of Columbia	1	3	2	-	-	137	203	107	153	108	6	708
Florida	47	40	51	38	54	260	244	227	197	241	230	1,169
Georgia	31	35	27	16	33	227	184	165	177	175	142	928
Idaho	6	5	2	5	3	71	53	55	54	56	21	289
Illinois	58	59	54	53	62	846	849	954	794	1,016	286	4,459
Indiana	29	39	36	23	34	201	211	194	207	200	161	1,013
Iowa	11	8	10	8	12	120	151	166	122	150	49	709
Kansas	9	13	10	24	14	143	139	171	149	181	70	783
Kentucky	13	15	14	20	16	133	154	120	128	108	78	643
Louisiana	22	34	30	23	22	174	226	178	209	181	131	968
Maine	3	1	-	5	1	27	23	20	22	31	10	123
Maryland	8	10	12	11	10	95	81	71	74	103	51	424
Massachusetts	12	13	7	16	15	195	159	168	185	138	63	845
Michigan	15	17	11	23	9	187	185	122	142	127	75	763
Minnesota	17	19	11	20	12	172	172	152	141	168	79	805
Mississippi	12	19	22	17	9	95	152	106	86	82	79	521
Missouri	20	17	21	20	12	201	190	223	162	189	90	965
Montana	6	5	9	5	3	80	136	88	101	114	28	519
Nebraska	9	11	17	8	8	167	163	191	199	194	53	914
Nevada	6	3	5	6	4	25	24	30	44	30	24	153
New Hampshire	1	-	-	-	-	3	6	4	6	3	1	22
New Jersey	19	24	17	20	16	453	373	393	389	401	96	2,009
New Mexico	13	18	12	9	16	55	62	73	60	63	68	313
New York	30	24	27	16	24	970	945	771	845	981	121	4,512
North Carolina	21	32	24	29	26	107	113	105	113	98	132	536
North Dakota	6	2	8	2	4	62	71	55	51	51	22	290
Ohio	26	34	23	41	31	277	282	257	214	236	155	1,266
Oklahoma	20	21	11	21	13	97	103	102	100	112	86	514
Oregon	11	11	4	8	7	96	113	107	110	114	41	540
Pennsylvania	21	18	27	21	28	492	519	604	593	831	115	3,039
Rhode Island	1	1	-	2	2	29	22	13	18	12	6	94
South Carolina	12	18	29	21	17	98	84	370	79	77	97	708
South Dakota	1	1	3	2	1	37	42	31	34	22	8	166
Tennessee	22	17	18	22	13	156	146	139	118	108	92	667
Texas	88	75	72	93	83	559	668	683	666	688	411	3,264
Utah	4	9	3	2	-	37	59	53	41	56	18	246
Vermont	-	-	-	-	-	19	19	21	14	22	-	95
Virginia	13	4	5	7	5	166	132	154	132	132	34	716
Washington	20	23	20	21	16	188	162	212	168	197	100	927
West Virginia	10	9	6	9	7	95	75	71	60	62	41	363
Wisconsin	16	6	19	10	8	170	139	138	113	117	59	677
Wyoming	5	-	4	-	6	76	74	74	85	90	15	399
Total	865	891	884	903	845	9,263	9,192	9,510	8,708	9,461	4,388	46,134

TABLE 1-6 TOTAL EMPLOYEE ON DUTY CASES BY RAILROAD

Railroads	2003		2004		2005		2006		2007	
	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate
Alton & Southern	11	3.21	7	2.01	10	2.91	8	2.31	4	1.23
Alaska RR Corp.	26	3.66	28	3.77	29	3.65	22	2.70	30	3.74
Amtrak	791	4.19	825	4.34	651	3.54	593	3.28	485	2.67
Burlington Northern Santa Fe	748	2.03	668	1.72	773	1.89	651	1.51	841	2.00
Belt Rwy Of Chicago	14	2.70	16	3.12	8	1.57	14	2.92	12	2.61
Canadian National	328	3.55	276	3.08	240	2.81	195	2.35	218	2.72
Canadian Pacific	122	3.29	90	2.42	73	1.93	67	1.85	85	2.38
Conrail Shared Assets	33	2.49	20	1.62	11	0.94	13	1.16	19	1.74
CSX Transportation	742	2.33	703	2.33	602	1.79	500	1.47	408	1.24
Dakota,Minnesota & Eastern	45	4.92	70	6.96	51	4.92	40	3.83	38	3.54
Florida East Coast	14	1.83	13	1.68	10	1.23	5	0.61	14	1.78
Guilford Rail System	18	2.15	9	1.06	12	1.33	12	1.39	22	2.49
Other Railroads	558	4.92	653	8.35	670	11.47	665	11.55	612	6.04
Indiana Harbor Belt	31	4.07	26	3.27	15	1.83	14	1.77	11	1.36
Kansas City Southern	93	3.10	110	3.40	80	2.23	53	1.57	57	1.64
Long Island Rail Road	241	3.50	187	2.80	219	3.48	181	2.81	170	2.52
MD Assn. of Rail Comm	3	1.08	2	0.78	6	2.37	2	0.75	1	0.37
Mass Bay Transit Auth.	94	5.14	78	4.28	75	3.84	74	4.25	59	3.02
Montreal, Maine & Atlantic	10	5.00	12	5.37	12	4.83	10	3.84	13	5.21
Metro North Commuter	305	5.41	267	4.61	202	3.38	187	3.06	179	2.96
Montana Rail Link	30	3.15	41	4.22	33	3.28	45	4.34	31	3.00
Northern IN Comm Trans	23	7.08	27	8.43	15	4.82	3	0.97	5	1.60
Northeast IL Reg Comm	64	1.52	76	1.78	78	1.84	91	2.26	96	2.33
New Jersey Transit Rail	150	3.39	128	2.83	147	3.22	154	3.30	117	2.44
Norfolk Southern Corp.	410	1.40	353	1.19	396	1.23	338	1.06	378	1.18
Paducah & Louisville	6	2.20	7	2.55	4	1.55	12	4.67	5	1.80
Port Auth Trans Hudson	78	7.55	106	10.45	86	8.55	89	8.74	113	10.93
Peninsula Comm San Mateo Cnty	20	4.78	22	5.50	9	2.36	8	2.09	12	3.00
Port Terminal RR Assn	16	5.37	14	4.37	28	8.13	9	2.80	22	6.23
Southern CA Reg Rail Auth.	5	1.52	7	2.10	18	5.32	7	2.11	4	1.22
Southeastern PA Trans.	184	10.56	168	9.83	185	11.40	195	11.43	271	15.82
Term RR Assn Of St. Louis	5	1.84	4	1.38	2	0.68	3	1.01	2	0.74
Union Pacific	990	2.21	992	2.10	1,047	2.15	963	1.91	1,006	1.99
Union RR (Pittsburgh)	30	6.35	17	3.97	17	4.32	9	2.27	5	1.17
Wheeling & Lake Erie	9	2.34	5	1.20	10	2.23	8	1.79	7	1.68
Wisconsin & Southern RR	30	14.85	19	9.41	22	10.80	22	9.42	16	6.18

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

TABLE 1-7 TRAIN ACCIDENTS BY RAILROAD, EXCLUDING HRC

Railroads	2003		2004		2005		2006		2007	
	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate
Alton & Southern	14	15.34	16	15.78	18	17.15	11	10.71	13	13.42
Alaska RR Corp.	6	3.81	1	0.61	2	1.15	1	0.65	1	0.66
Amtrak	111	2.81	111	2.83	112	2.96	103	2.70	84	2.12
Burlington Northern Santa Fe	583	3.36	670	3.59	675	3.49	656	3.28	617	3.25
Belt Rwy Of Chicago	19	39.53	27	49.49	23	44.39	20	39.95	14	28.91
Canadian National	118	5.18	111	4.74	82	3.58	108	4.85	106	5.01
Canadian Pacific	31	2.85	32	2.87	31	2.65	22	1.85	29	2.52
Conrail Shared Assets	42	18.33	35	11.15	42	13.62	29	9.76	40	13.29
CSX Transportation	516	4.79	536	4.86	489	4.51	388	3.58	331	3.04
Dakota, Minnesota & Eastern	56	13.52	92	22.75	63	19.20	34	10.24	32	9.79
Florida East Coast	11	4.49	11	4.63	15	5.81	12	4.52	11	4.65
Guilford Rail System	6	4.09	5	3.41	6	4.22	10	6.87	3	1.88
Other Railroads	296	20.07	358	47.20	361	34.04	389	38.92	366	20.26
Indiana Harbor Belt	18	13.28	30	20.44	19	12.69	14	9.69	12	8.07
Kansas City Southern	109	12.66	133	15.35	124	14.19	85	7.32	90	7.90
Long Island Rail Road	12	1.46	13	1.60	12	1.46	9	1.07	5	0.59
MD Assn. of Rail Comm	-	-	4	3.27	2	1.66	3	2.51	-	-
Mass Bay Transit Auth.	2	0.51	1	0.26	-	-	1	0.25	4	0.99
Montreal, Maine & Atlantic	2	4.56	6	12.59	3	6.09	6	13.95	7	16.32
Metro North Commuter	70	8.10	56	6.31	40	4.46	52	5.60	39	4.09
Montana Rail Link	11	3.00	14	3.72	15	3.90	22	5.37	11	2.77
Northern IN Comm Trans	-	-	1	1.31	-	-	2	2.65	3	3.92
Northeast IL Reg Comm	3	0.34	6	0.65	6	0.65	4	0.42	10	1.04
New Jersey Transit Rail	42	4.95	48	5.44	30	3.17	34	3.57	38	3.80
Norfolk Southern Corp.	317	3.41	325	3.35	332	3.26	257	2.44	243	2.37
Paducah & Louisville	1	1.81	5	8.86	2	3.47	5	8.52	5	8.21
Port Auth Trans Hudson	2	0.96	2	0.95	3	1.38	1	0.47	7	3.45
Peninsula Comm San Mateo Cnty	-	-	2	1.62	3	2.17	3	2.11	2	1.40
Port Terminal RR Assn	12	9.67	14	11.32	5	3.91	7	5.47	8	6.25
Southern CA Reg Rail Auth.	-	-	2	0.94	8	4.05	2	0.87	-	-
Southeastern PA Trans.	15	2.82	10	1.98	9	1.76	9	1.72	17	3.28
Term RR Assn Of St. Louis	11	19.37	9	14.30	17	23.94	14	20.37	8	12.23
Union Pacific	801	4.21	962	4.98	954	4.79	891	4.38	722	3.72
Union RR (Pittsburgh)	6	46.24	6	48.04	3	24.46	5	39.31	2	14.73
Wheeling & Lake Erie	13	15.25	3	3.03	14	11.95	16	12.19	12	9.39
Wisconsin & Southern RR	5	17.19	2	6.64	4	13.37	5	15.28	10	27.45

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

TABLE 1-8 TRAIN ACCIDENTS BY STATE, EXCLUDING HRC

States	2003		2004		2005		2006		2007		5 year Total	
	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Cnt	%
Alabama	77	2.6	78	2.3	72	2.2	82	2.7	70	2.6	379	2.5
Alaska	6	0.2	2	0.1	2	0.1	1	0.0	1	0.0	12	0.1
Arizona	24	0.8	38	1.1	35	1.1	36	1.2	22	0.8	155	1.0
Arkansas	79	2.6	110	3.3	86	2.6	78	2.6	58	2.2	411	2.7
California	175	5.8	184	5.4	198	6.1	189	6.3	155	5.8	901	5.9
Colorado	50	1.7	61	1.8	65	2.0	64	2.1	74	2.8	314	2.1
Connecticut	43	1.4	34	1.0	37	1.1	34	1.1	21	0.8	169	1.1
Delaware	10	0.3	9	0.3	6	0.2	7	0.2	7	0.3	39	0.3
Dist Of Columbia	14	0.5	8	0.2	13	0.4	13	0.4	8	0.3	56	0.4
Florida	49	1.6	56	1.7	62	1.9	46	1.5	45	1.7	258	1.7
Georgia	84	2.8	86	2.5	97	3.0	88	2.9	62	2.3	417	2.7
Idaho	22	0.7	24	0.7	30	0.9	31	1.0	18	0.7	125	0.8
Illinois	261	8.6	274	8.1	246	7.5	237	7.9	215	8.1	1,233	8.1
Indiana	84	2.8	81	2.4	94	2.9	64	2.1	78	2.9	401	2.6
Iowa	73	2.4	105	3.1	76	2.3	81	2.7	73	2.7	408	2.7
Kansas	92	3.0	104	3.1	108	3.3	99	3.3	86	3.2	489	3.2
Kentucky	38	1.3	71	2.1	49	1.5	47	1.6	43	1.6	248	1.6
Louisiana	76	2.5	103	3.0	86	2.6	92	3.1	90	3.4	447	2.9
Maine	7	0.2	8	0.2	5	0.2	13	0.4	9	0.3	42	0.3
Maryland	39	1.3	42	1.2	41	1.3	32	1.1	17	0.6	171	1.1
Massachusetts	25	0.8	28	0.8	22	0.7	19	0.6	16	0.6	110	0.7
Michigan	34	1.1	32	0.9	36	1.1	43	1.4	37	1.4	182	1.2
Minnesota	68	2.3	72	2.1	67	2.1	57	1.9	62	2.3	326	2.1
Mississippi	33	1.1	57	1.7	50	1.5	36	1.2	37	1.4	213	1.4
Missouri	89	2.9	84	2.5	73	2.2	63	2.1	63	2.4	372	2.4
Montana	24	0.8	35	1.0	36	1.1	42	1.4	24	0.9	161	1.1
Nebraska	86	2.8	124	3.7	122	3.7	92	3.1	101	3.8	525	3.4
Nevada	8	0.3	17	0.5	14	0.4	19	0.6	7	0.3	65	0.4
New Hampshire	-	-	1	0.0	2	0.1	-	-	-	-	3	0.0
New Jersey	84	2.8	89	2.6	77	2.4	53	1.8	76	2.9	379	2.5
New Mexico	23	0.8	33	1.0	42	1.3	30	1.0	21	0.8	149	1.0
New York	117	3.9	105	3.1	106	3.2	98	3.3	80	3.0	506	3.3
North Carolina	52	1.7	38	1.1	29	0.9	31	1.0	26	1.0	176	1.1
North Dakota	18	0.6	17	0.5	25	0.8	21	0.7	28	1.1	109	0.7
Ohio	149	4.9	116	3.4	119	3.6	90	3.0	96	3.6	570	3.7
Oklahoma	51	1.7	66	2.0	69	2.1	62	2.1	71	2.7	319	2.1
Oregon	56	1.9	94	2.8	69	2.1	64	2.1	39	1.5	322	2.1
Pennsylvania	119	3.9	144	4.3	108	3.3	102	3.4	81	3.0	554	3.6
Rhode Island	1	0.0	8	0.2	1	0.0	3	0.1	1	0.0	14	0.1
South Carolina	19	0.6	39	1.2	26	0.8	17	0.6	21	0.8	122	0.8
South Dakota	16	0.5	33	1.0	25	0.8	10	0.3	15	0.6	99	0.6
Tennessee	70	2.3	71	2.1	68	2.1	68	2.3	60	2.3	337	2.2
Texas	316	10.5	355	10.5	396	12.1	357	12.0	325	12.2	1,749	11.4
Utah	40	1.3	29	0.9	31	1.0	37	1.2	36	1.4	173	1.1
Vermont	5	0.2	5	0.1	7	0.2	3	0.1	2	0.1	22	0.1
Virginia	57	1.9	39	1.2	55	1.7	53	1.8	41	1.5	245	1.6
Washington	63	2.1	68	2.0	67	2.1	59	2.0	53	2.0	310	2.0
West Virginia	18	0.6	27	0.8	42	1.3	30	1.0	23	0.9	140	0.9
Wisconsin	37	1.2	30	0.9	31	1.0	30	1.0	26	1.0	154	1.0
Wyoming	38	1.3	48	1.4	39	1.2	61	2.0	46	1.7	232	1.5
Total	3,019	100.0	3,382	100.0	3,262	100.0	2,984	100.0	2,666	100.0	15,313	100.0

TABLE 1-9 CONSISTS TRANSPORTING HAZMAT, BY RAILROAD

Railroads	2003			2004			2005			2006			2007		
	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls
Alton & Southern	2	2	-	7	4	1	2	1	-	1	-	-	2	-	-
Alaska RR Corp.	1	1	-	2	-	-	2	1	-	-	-	-	-	-	-
Amtrak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Burlington Northern Santa Fe	272	127	4	314	137	10	318	133	10	311	141	7	268	107	10
Belt Rwy Of Chicago	3	1	-	3	2	-	1	-	-	7	4	1	2	2	-
Canadian National	42	20	2	41	21	1	21	15	2	43	30	1	45	24	3
Canadian Pacific	12	2	1	13	3	-	5	3	-	7	4	-	3	3	-
Conrail Shared Assets	11	2	-	8	5	-	4	2	-	3	-	-	8	6	-
CSX Transportation	152	68	5	160	66	4	155	54	5	136	58	6	121	53	11
Dakota, Minnesota & Eastern	12	5	-	13	3	1	16	3	-	13	2	1	8	4	-
Florida East Coast	1	1	1	3	1	-	3	-	-	6	1	-	3	-	-
Guilford Rail System	3	2	-	3	-	-	5	5	-	6	1	-	1	1	-
Other Railroads	44	29	-	33	21	2	55	30	3	64	41	2	61	36	6
Indiana Harbor Belt	4	1	-	5	1	-	4	1	-	4	1	-	2	1	-
Kansas City Southern	41	20	2	52	23	-	51	22	-	20	10	-	40	21	1
Long Island Rail Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MD Assn. of Rail Comm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mass Bay Transit Auth.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Montreal, Maine & Atlantic	-	-	-	5	1	-	3	1	1	6	4	-	3	-	-
Metro North Commuter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Montana Rail Link	4	1	-	7	4	-	7	2	-	7	5	1	4	4	-
Northern IN Comm Trans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeast IL Reg Comm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Jersey Transit Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Norfolk Southern Corp.	41	16	7	59	27	5	59	24	5	49	16	6	37	16	7
Paducah & Louisville	-	-	-	3	3	-	-	-	-	2	-	-	2	2	2
Port Auth Trans Hudson	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peninsula Comm San Mateo Cnty	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Terminal RR Assn	6	5	-	5	5	-	1	-	-	1	-	-	4	2	-
Southern CA Reg Rail Auth.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern PA Trans.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Term RR Assn Of St. Louis	1	-	-	-	-	-	1	1	-	2	2	-	-	-	-
Union Pacific	150	91	8	166	78	7	218	97	12	198	86	5	195	86	6
Union RR (Pittsburgh)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wheeling & Lake Erie	4	3	-	-	-	-	3	1	1	5	3	-	4	-	-
Wisconsin & Southern RR	1	-	-	-	-	-	2	-	-	1	1	-	-	-	-
Total	807	397	30	902	405	31	936	396	39	892	410	30	813	368	46

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

TABLE 1-10 CONSISTS TRANSPORTING HAZMAT, BY STATE

States	2003			2004			2005			2006			2007		
	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls
Alabama	21	13	3	21	8	1	20	6	-	38	18	3	22	10	2
Alaska	1	1	-	2	-	-	2	1	-	-	-	-	-	-	-
Arizona	12	8	-	21	10	1	18	6	-	24	13	2	13	9	2
Arkansas	17	10	1	20	9	-	33	12	3	25	11	-	17	8	-
California	47	27	1	51	28	3	37	19	2	44	24	3	41	24	4
Colorado	12	5	1	22	13	1	17	14	-	17	10	1	18	6	1
Connecticut	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
Delaware	3	2	1	2	1	-	2	2	-	1	1	-	-	-	-
Dist Of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	11	5	1	11	6	-	13	4	1	12	4	-	11	5	1
Georgia	21	11	1	15	7	-	21	7	1	23	10	2	18	4	2
Idaho	5	2	-	3	1	1	6	-	-	11	6	-	8	4	-
Illinois	68	30	2	70	31	2	61	23	3	72	29	2	52	14	1
Indiana	18	7	1	20	9	1	16	10	1	11	3	1	19	6	1
Iowa	17	5	1	18	6	-	22	6	-	8	-	-	21	9	-
Kansas	28	16	1	24	13	1	33	14	1	43	18	2	43	18	1
Kentucky	9	4	-	19	7	-	9	4	-	11	1	-	11	5	4
Louisiana	28	19	2	50	26	-	43	19	1	44	25	1	52	25	1
Maine	2	1	-	6	1	-	5	3	1	11	5	-	3	-	-
Maryland	7	5	-	12	5	1	6	4	-	7	3	-	3	1	-
Massachusetts	2	1	-	5	1	-	3	2	-	5	4	-	2	1	-
Michigan	11	6	-	9	4	1	8	4	-	7	5	-	6	3	-
Minnesota	24	6	1	25	8	1	29	10	-	17	8	1	21	6	1
Mississippi	12	6	-	26	8	-	25	13	1	11	7	-	21	9	1
Missouri	31	12	1	18	6	1	24	10	1	16	8	-	20	8	2
Montana	9	3	-	17	7	-	14	4	-	22	10	1	7	5	-
Nebraska	22	12	-	33	17	2	27	14	-	10	5	-	14	5	-
Nevada	1	1	1	4	3	1	3	3	-	2	2	-	2	1	-
New Hampshire	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
New Jersey	9	3	-	10	6	-	6	2	-	4	2	-	10	7	-
New Mexico	14	9	-	17	7	-	31	18	1	12	5	-	11	5	-
New York	13	7	-	23	11	1	28	14	3	25	8	-	19	13	2
North Carolina	11	4	-	17	9	1	16	3	-	11	1	-	7	3	1
North Dakota	3	1	-	3	1	-	11	5	-	6	3	-	8	4	-
Ohio	36	14	1	29	12	1	32	10	1	28	16	2	23	11	4
Oklahoma	21	9	-	16	5	-	21	9	2	34	9	-	28	12	1
Oregon	9	3	-	17	5	1	9	7	1	16	7	-	10	2	-
Pennsylvania	30	12	-	24	11	2	22	8	1	20	8	4	12	7	1
Rhode Island	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
South Carolina	3	-	-	9	6	-	12	2	1	3	3	-	8	3	-
South Dakota	1	-	-	5	2	1	2	-	-	2	1	-	3	2	-
Tennessee	31	11	1	25	14	1	26	6	1	32	14	1	25	9	3
Texas	119	75	6	130	59	4	160	70	9	138	71	4	148	77	6
Utah	5	2	-	1	1	-	4	3	1	5	3	-	6	3	-
Vermont	1	1	-	1	-	-	2	-	-	1	1	-	2	2	2
Virginia	6	5	3	7	1	-	2	1	-	10	2	-	6	3	1
Washington	31	14	-	22	11	1	31	13	1	34	17	-	20	10	-
West Virginia	3	-	-	6	2	-	2	2	-	1	1	-	3	3	-
Wisconsin	14	4	-	8	3	-	10	3	-	10	4	-	7	2	-
Wyoming	8	5	-	7	3	-	10	5	1	8	4	-	12	4	1
Total	807	397	30	902	405	31	936	396	39	892	410	30	813	368	46

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

Railroads	At Public Crossing					At Private Crossing				
	2003	2004	2005	2006	2007	2003	2004	2005	2006	2007
Alton & Southern	-	-	1	-	1	-	-	-	-	-
Alaska RR Corp.	1	1	2	1	1	-	-	-	-	-
Amtrak	129	130	108	110	117	20	16	22	23	18
Burlington Northern Santa Fe	346	372	380	335	289	61	75	78	57	60
Belt Rwy Of Chicago	-	2	-	-	-	-	2	1	1	1
Canadian National	176	164	163	131	128	20	19	25	22	13
Canadian Pacific	32	25	27	22	26	7	4	10	2	7
Conrail Shared Assets	24	22	31	26	22	4	3	1	-	-
CSX Transportation	479	443	452	411	382	59	61	62	65	68
Dakota,Minnesota & Eastern	25	26	27	31	25	3	4	2	4	5
Florida East Coast	19	30	29	33	36	1	1	-	-	-
Guilford Rail System	9	2	-	-	-	1	1	-	-	-
Other Railroads	285	265	296	289	298	39	36	47	62	55
Indiana Harbor Belt	6	5	11	4	4	-	-	-	1	2
Kansas City Southern	105	119	100	99	68	13	8	8	5	12
Long Island Rail Road	5	7	14	10	11	-	-	-	-	-
MD Assn. of Rail Comm	2	1	-	-	2	-	1	-	-	-
Mass Bay Transit Auth.	6	10	3	6	3	-	-	1	-	-
Montreal, Maine & Atlantic	-	1	1	4	4	1	1	1	-	-
Metro North Commuter	1	2	2	2	2	1	2	-	1	-
Montana Rail Link	7	10	4	4	6	5	3	3	5	1
Northern IN Comm Trans	-	2	8	5	6	-	-	-	-	-
Northeast IL Reg Comm	28	25	22	23	15	-	-	-	2	-
New Jersey Transit Rail	9	15	7	8	10	1	-	-	2	-
Norfolk Southern Corp.	416	476	420	393	360	74	98	78	86	84
Paducah & Louisville	5	9	2	10	2	-	-	1	-	-
Peninsula Comm San Mateo Cnty	6	4	2	11	7	-	-	-	1	-
Port Terminal RR Assn	6	2	-	2	3	1	3	4	-	3
Southern CA Reg Rail Auth.	17	11	17	18	17	-	-	-	1	1
Southeastern PA Trans.	1	6	3	1	4	-	-	-	-	-
Term RR Assn Of St. Louis	1	2	-	3	2	-	-	-	-	-
Union Pacific	437	453	481	501	461	58	83	78	85	81
Union RR (Pittsburgh)	-	-	-	-	-	-	-	-	-	1
Wheeling & Lake Erie	17	12	15	12	20	2	-	1	-	-
Wisconsin & Southern RR	6	4	7	7	10	-	-	-	-	-
Total	2,606	2,658	2,635	2,512	2,342	371	421	423	425	412

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

States	At Public Crossing					At Private Crossing					At Public Crossing			At Private Crossing		
	2003	2004	2005	2006	2007	2003	2004	2005	2006	2007	Cnt	Kld	Nonf	Cnt	Kld	Nonf
Alabama	83	103	105	114	95	8	11	8	13	9	500	62	199	49	1	9
Alaska	1	1	2	1	1	-	-	-	-	-	6	-	1	-	-	-
Arizona	31	30	34	45	32	8	-	5	3	6	172	10	34	22	7	3
Arkansas	71	66	60	75	64	9	6	12	5	8	336	43	145	40	3	8
California	118	132	131	142	137	24	23	18	27	25	660	149	256	117	15	34
Colorado	29	29	32	35	22	6	7	4	10	9	147	20	69	36	-	17
Connecticut	-	7	6	6	3	4	3	-	2	-	22	5	10	9	2	4
Delaware	6	5	8	5	5	2	2	-	2	1	29	1	18	7	-	3
Dist Of Columbia	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-
Florida	91	97	89	106	81	8	11	14	12	9	464	72	141	54	8	50
Georgia	109	135	110	119	114	7	20	21	16	24	587	54	193	88	5	13
Idaho	18	18	21	19	20	3	6	2	3	1	96	13	22	15	1	8
Illinois	150	159	144	152	131	19	20	36	22	22	736	136	331	119	6	35
Indiana	135	151	165	133	147	11	8	11	6	16	731	96	182	52	3	9
Iowa	61	78	70	60	74	4	3	7	9	8	343	26	118	31	1	7
Kansas	50	64	55	51	49	8	8	8	6	8	269	40	105	38	1	16
Kentucky	73	64	66	55	60	18	16	20	12	15	318	35	102	81	6	30
Louisiana	132	142	119	126	95	14	25	12	18	26	614	76	248	95	4	42
Maine	8	4	4	7	5	3	2	1	-	-	28	2	9	6	1	2
Maryland	17	8	13	15	13	5	4	6	9	3	66	1	16	27	2	7
Massachusetts	15	15	10	10	7	1	3	1	1	2	57	6	45	8	-	3
Michigan	101	95	88	74	62	6	6	9	8	4	420	32	102	33	2	20
Minnesota	66	75	59	53	48	9	11	6	8	11	301	45	105	45	7	12
Mississippi	84	80	73	77	64	7	8	6	5	5	378	46	160	31	1	18
Missouri	54	46	54	48	34	11	13	10	12	9	236	44	119	55	5	28
Montana	16	14	15	12	15	10	7	5	7	3	72	6	20	32	6	9
Nebraska	39	47	44	28	41	3	11	6	9	11	199	33	74	40	4	13
Nevada	1	2	4	2	1	1	-	-	2	-	10	1	1	3	1	2
New Hampshire	1	1	2	1	1	-	-	-	1	1	6	-	1	2	-	-
New Jersey	39	40	41	34	25	11	3	3	9	5	179	29	41	31	-	5
New Mexico	8	14	17	8	11	4	7	3	2	3	58	14	26	19	10	10
New York	36	28	36	24	39	7	5	7	8	10	163	27	69	37	9	12
North Carolina	64	60	56	57	57	8	15	11	18	11	294	30	106	63	5	17
North Dakota	22	14	16	12	11	1	2	2	-	2	75	16	30	7	2	2
Ohio	116	121	127	113	114	10	18	10	16	6	591	54	194	60	6	12
Oklahoma	64	54	60	66	55	3	4	4	4	4	299	52	159	19	-	8
Oregon	23	21	19	19	19	8	9	8	9	7	101	11	24	41	2	7
Pennsylvania	71	67	68	51	56	17	12	12	11	25	313	16	83	77	2	8
Rhode Island	2	-	1	-	-	-	-	-	-	-	3	-	-	-	-	-
South Carolina	61	64	71	39	58	9	3	4	8	8	293	41	98	32	4	15
South Dakota	14	14	16	15	12	1	2	2	1	-	71	6	35	6	-	1
Tennessee	75	67	67	56	61	9	10	11	12	10	326	28	104	52	7	10
Texas	258	251	265	297	259	26	42	59	42	37	1,330	140	553	206	23	100
Utah	18	8	15	11	16	1	2	3	3	1	68	4	29	10	1	2
Vermont	2	4	3	2	3	1	1	1	1	1	14	-	7	5	-	2
Virginia	40	41	28	26	19	17	24	23	18	16	154	5	36	98	5	44
Washington	31	41	43	37	38	12	5	14	13	10	190	19	46	54	10	16
West Virginia	30	19	24	18	13	9	12	11	14	13	104	7	29	59	4	17
Wisconsin	69	60	77	52	53	5	9	7	6	6	311	28	101	33	2	8
Wyoming	3	1	1	3	2	3	2	-	1	1	10	1	5	7	2	2
Total	2,606	2,657	2,634	2,511	2,342	371	421	423	425	412	12,750	1582	4601	2,052	186	700

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

Railroads	Fatalities					Nonfatal				
	2003	2004	2005	2006	2007	2003	2004	2005	2006	2007
Alton & Southern	-	-	-	-	-	-	-	1	-	-
Alaska RR Corp.	-	-	-	-	-	1	-	-	-	-
Amtrak	52	46	45	49	59	125	64	86	99	108
Burlington Northern Santa Fe	55	52	71	58	47	165	184	232	182	143
Canadian National	9	12	12	18	8	53	54	47	43	63
Canadian Pacific	3	-	10	1	3	16	16	8	12	11
Conrail Shared Assets	1	-	-	-	-	9	3	6	6	4
CSX Transportation	52	59	48	52	46	160	205	93	133	143
Dakota,Minnesota & Eastern	4	1	2	1	4	14	13	21	8	10
Florida East Coast	2	7	10	4	3	11	11	2	6	11
Guilford Rail System	1	-	-	-	-	2	1	-	-	-
Other Railroads	11	17	16	18	17	82	67	91	77	90
Indiana Harbor Belt	-	-	1	-	-	-	1	-	2	1
Kansas City Southern	10	20	7	4	9	32	58	37	46	36
Long Island Rail Road	2	1	8	2	2	-	4	4	1	1
MD Assn. of Rail Comm	-	-	-	-	-	1	1	-	-	1
Mass Bay Transit Auth.	-	2	1	2	-	2	2	3	28	-
Montreal, Maine & Atlantic	-	-	-	1	-	1	-	-	1	1
Metro North Commuter	-	-	-	-	-	-	32	1	1	4
Montana Rail Link	1	-	-	-	-	4	3	1	2	1
Northern IN Comm Trans	-	-	-	-	3	-	1	1	3	1
Northeast IL Reg Comm	7	6	8	5	4	19	12	28	26	6
New Jersey Transit Rail	2	8	1	3	3	2	1	-	5	1
Norfolk Southern Corp.	42	61	55	42	41	121	142	144	148	135
Paducah & Louisville	-	-	-	2	-	3	4	-	4	1
Peninsula Comm San Mateo Cnty	1	-	-	5	1	-	2	-	2	-
Port Terminal RR Assn	-	-	-	-	-	1	1	1	1	25
Southern CA Reg Rail Auth.	9	2	1	4	5	26	4	1	3	5
Southeastern PA Trans.	-	-	-	-	2	1	2	-	-	12
Term RR Assn Of St. Louis	-	-	-	-	-	1	2	-	-	-
Union Pacific	70	77	63	96	77	172	198	234	226	221
Wheeling & Lake Erie	-	-	-	1	1	9	6	9	3	13
Wisconsin & Southern RR	-	-	-	1	-	2	1	-	2	2
Total	334	371	359	369	335	1,035	1,095	1,051	1,070	1,050

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

States	Fatalities					Nonfatal					5 year Total	
	2003	2004	2005	2006	2007	2003	2004	2005	2006	2007	Kld	Nonf
Alabama	10	10	17	11	15	38	36	46	49	39	63	208
Alaska	-	-	-	-	-	1	-	-	-	-	-	1
Arizona	7	2	2	6	-	3	9	5	11	9	17	37
Arkansas	9	8	8	9	12	23	28	40	27	35	46	153
California	27	33	23	36	45	66	54	59	39	72	164	290
Colorado	1	1	6	10	2	10	15	18	33	10	20	86
Connecticut	-	4	3	-	-	-	5	2	3	4	7	14
Delaware	-	-	1	-	-	4	7	3	4	3	1	21
Florida	14	19	17	10	20	36	35	21	35	64	80	191
Georgia	7	15	12	8	17	55	42	26	37	46	59	206
Idaho	3	4	1	3	3	7	11	6	2	4	14	30
Illinois	30	28	31	25	28	71	71	82	74	68	142	366
Indiana	20	26	21	13	19	37	37	32	37	48	99	191
Iowa	3	5	6	6	7	21	25	32	20	27	27	125
Kansas	3	7	7	15	9	28	16	32	27	18	41	121
Kentucky	8	8	7	9	9	24	33	26	28	21	41	132
Louisiana	15	23	20	8	14	43	66	44	80	57	80	290
Maine	1	-	-	1	1	3	3	2	2	1	3	11
Maryland	-	-	1	1	1	4	6	1	7	5	3	23
Massachusetts	-	3	1	2	-	3	7	6	30	2	6	48
Michigan	7	9	5	10	3	28	31	14	30	19	34	122
Minnesota	11	15	9	12	5	27	26	28	18	18	52	117
Mississippi	9	12	10	13	3	44	44	30	37	23	47	178
Missouri	9	9	17	7	7	32	31	32	26	26	49	147
Montana	4	2	3	1	2	5	9	4	7	4	12	29
Nebraska	5	7	12	5	8	12	18	22	19	16	37	87
Nevada	1	-	1	-	-	2	-	-	1	-	2	3
New Hampshire	-	-	-	-	-	-	-	-	1	-	-	1
New Jersey	7	8	2	9	3	13	7	11	11	4	29	46
New Mexico	3	5	4	5	7	7	9	7	6	7	24	36
New York	8	5	13	5	5	7	42	10	10	12	36	81
North Carolina	4	12	6	8	5	16	26	38	23	20	35	123
North Dakota	6	-	8	-	4	9	11	4	4	4	18	32
Ohio	13	14	8	17	8	47	35	46	38	40	60	206
Oklahoma	11	10	6	16	9	32	29	34	36	36	52	167
Oregon	3	7	1	1	1	7	7	4	9	4	13	31
Pennsylvania	3	1	5	4	5	13	15	22	13	28	18	91
South Carolina	5	12	9	12	7	25	27	17	14	30	45	113
South Dakota	1	-	2	2	1	8	9	9	7	3	6	36
Tennessee	8	6	7	8	6	18	27	28	20	21	35	114
Texas	36	26	23	44	34	108	110	144	150	141	163	653
Utah	-	3	2	-	-	6	7	9	3	6	5	31
Vermont	-	-	-	-	-	2	2	3	2	-	-	9
Virginia	7	1	2	-	-	27	21	13	7	12	10	80
Washington	6	4	6	7	6	10	11	14	11	16	29	62
West Virginia	3	3	1	4	-	21	8	4	9	4	11	46
Wisconsin	4	4	13	6	3	30	25	20	12	22	30	109
Wyoming	2	-	-	-	1	2	2	1	1	1	3	7
Total	334	371	359	369	335	1,035	1,095	1,051	1,070	1,050	1,768	5,301

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

Railroads	Fatalities					Nonfatal					5 year Total	
	2003	2004	2005	2006	2007	2003	2004	2005	2006	2007	Kld	Nonf
Alaska RR Corp.	-	-	1	-	-	1	-	-	-	1	1	2
Amtrak	64	77	71	67	65	22	26	28	26	20	344	122
Burlington Northern Santa Fe	70	77	73	82	66	41	68	66	98	84	368	357
Canadian National	9	4	8	9	10	12	9	9	9	9	40	48
Canadian Pacific	6	3	-	3	5	1	5	1	2	5	17	14
Conrail Shared Assets	-	1	1	1	-	2	1	1	4	3	3	11
CSX Transportation	77	75	62	84	80	55	67	58	57	49	378	286
Dakota,Minnesota & Eastern	1	1	2	-	2	-	3	1	3	1	6	8
Florida East Coast	16	10	16	14	17	8	7	6	6	10	73	37
Guilford Rail System	2	1	2	2	1	3	-	3	-	2	8	8
Other Railroads	17	6	14	13	13	19	14	11	23	13	63	80
Indiana Harbor Belt	-	-	-	1	-	1	2	1	2	1	1	7
Kansas City Southern	7	5	5	9	8	12	13	10	11	9	34	55
Long Island Rail Road	4	2	1	-	6	2	5	4	-	3	13	14
MD Assn. of Rail Comm	-	2	1	2	1	-	-	-	1	-	6	1
Mass Bay Transit Auth.	4	2	3	6	9	1	-	-	-	1	24	2
Metro North Commuter	1	1	3	1	9	2	1	3	4	1	15	11
Montana Rail Link	-	-	3	-	-	1	4	3	1	-	3	9
Northern IN Comm Trans	-	-	-	-	1	-	-	-	-	2	1	2
Northeast IL Reg Comm	8	6	6	2	4	8	7	4	6	10	26	35
New Jersey Transit Rail	6	9	7	6	11	4	4	5	9	3	39	25
Norfolk Southern Corp.	65	60	72	75	67	54	39	71	64	54	339	282
Paducah & Louisville	-	1	1	1	-	-	-	-	1	1	3	2
Port Auth Trans Hudson	-	-	-	-	-	-	2	3	-	-	-	5
Peninsula Comm San Mateo Cnty	6	5	4	4	2	1	3	4	3	2	21	13
Southern CA Reg Rail Auth.	2	3	5	5	4	3	-	3	-	1	19	7
Southeastern PA Trans.	-	6	2	2	-	1	-	-	1	1	10	3
Union Pacific	133	115	95	122	89	144	124	124	148	117	554	657
Wheeling & Lake Erie	-	-	-	-	-	-	-	-	-	1	-	1
Wisconsin & Southern RR	-	-	-	-	-	-	1	-	-	1	-	2
Total	498	472	458	511	470	398	405	419	479	405	2,409	2,106

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

States	Fatalities					Nonfatal					5 year Total	
	2003	2004	2005	2006	2007	2003	2004	2005	2006	2007	Kld	Nonf
Alabama	5	9	6	10	5	5	10	12	11	5	35	43
Alaska	-	-	1	-	-	1	-	-	-	1	1	2
Arizona	10	16	21	20	10	17	21	15	22	14	77	89
Arkansas	2	3	4	6	6	8	4	7	7	4	21	30
California	82	80	82	81	72	50	46	66	61	41	397	264
Colorado	5	2	3	7	2	2	12	13	12	14	19	53
Connecticut	2	1	3	2	8	2	1	1	3	3	16	10
Delaware	3	1	1	2	2	-	-	2	1	-	9	3
Dist Of Columbia	1	2	1	-	-	2	-	-	1	-	4	3
Florida	32	20	33	28	33	23	14	22	20	16	146	95
Georgia	22	19	15	8	14	15	14	14	16	12	78	71
Idaho	2	1	1	2	-	1	2	1	-	2	6	6
Illinois	26	25	19	25	25	29	28	19	28	34	120	138
Indiana	9	12	14	10	14	7	9	7	13	13	59	49
Iowa	6	3	2	-	4	2	2	2	2	3	15	11
Kansas	6	5	2	9	5	1	8	7	12	8	27	36
Kentucky	5	7	7	11	5	1	9	6	9	4	35	29
Louisiana	7	11	10	14	8	13	7	11	17	11	50	59
Maine	2	1	-	4	-	2	-	-	-	1	7	3
Maryland	8	10	10	10	9	4	3	10	2	2	47	21
Massachusetts	11	10	5	13	11	5	1	5	1	3	50	15
Michigan	7	6	5	12	6	10	10	3	2	4	36	29
Minnesota	5	4	2	6	6	4	2	3	6	11	23	26
Mississippi	2	6	8	4	6	6	4	8	7	6	26	31
Missouri	11	8	4	12	5	12	14	11	11	9	40	57
Montana	2	2	6	4	1	1	4	4	5	4	15	18
Nebraska	3	3	5	3	-	2	2	1	5	5	14	15
Nevada	5	3	4	6	4	5	4	4	8	2	22	23
New Hampshire	1	-	-	-	-	-	-	-	-	-	1	-
New Jersey	12	15	13	10	13	7	10	7	9	6	63	39
New Mexico	8	10	8	4	8	5	4	7	8	4	38	28
New York	19	14	14	9	18	8	14	12	6	10	74	50
North Carolina	17	20	18	21	21	5	15	12	14	16	97	62
North Dakota	-	2	-	2	-	2	1	2	1	1	4	7
Ohio	12	18	14	24	20	11	8	16	15	17	88	67
Oklahoma	9	9	4	5	4	5	7	4	6	7	31	29
Oregon	8	4	2	7	6	5	10	8	3	8	27	34
Pennsylvania	18	15	15	17	23	8	14	11	18	17	88	68
Rhode Island	1	1	-	2	2	-	1	-	1	-	6	2
South Carolina	5	6	10	9	10	5	2	7	11	2	40	27
South Dakota	-	1	1	-	-	1	2	-	3	-	2	6
Tennessee	13	11	11	13	7	12	3	8	6	3	55	32
Texas	51	42	44	49	47	54	53	40	70	47	233	264
Utah	2	5	-	1	-	4	1	2	-	4	8	11
Vermont	-	-	-	-	-	-	-	1	1	-	-	2
Virginia	6	2	3	7	5	14	7	3	9	6	23	39
Washington	13	19	14	13	10	12	14	14	10	17	69	67
West Virginia	7	6	5	5	7	7	4	5	1	3	30	20
Wisconsin	12	2	6	4	4	3	4	4	5	4	28	20
Wyoming	3	-	2	-	4	-	-	2	-	1	9	3
Total	498	472	458	511	470	398	405	419	479	405	2,409	2,106

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CHAPTER 2

CURRENT YEAR SUMMARY OF ACCIDENTS/INCIDENTS AND RATES

The FRA's regulations on reporting railroad accidents/incidents are found primarily in 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:

- Railroads that (1) operate freight trains only on track inside an installation that is not part of the general railroad system of transportation, or (2) own 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.
- Rail mass transit operations in urban areas that are not connected with the general railroad system of transportation.
- Railroads that (1) exclusively haul passengers inside an installation that is insular or (2) own 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 public highway-rail grade crossing that is in use.
 - An at-grade rail crossing that is in use.
 - A bridge over a public road or waters used for commercial navigation.
 - 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 runs on rails or electromagnetic guide ways, including (1) commuter or other short-haul railroad passenger service in metropolitan or suburban areas, 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.

"Railroad transportation" 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 I railroads, and other railroads reporting annual employees worked in excess of 400,000.

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

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

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TABLE 2-1 ACCIDENTS/INCIDENTS, BY MONTH, 2007

Months	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
January	1,152	66	797	217	2	19	248	30	104	687	34	674
February	1,123	48	754	220	-	29	268	26	99	635	22	626
March	1,159	65	787	230	-	20	188	24	51	741	41	716
April	1,042	61	668	197	-	4	216	22	59	629	39	605
May	1,182	69	954	226	-	20	204	31	78	752	38	856
June	1,126	76	746	212	-	10	205	28	67	709	48	669
July	1,194	80	807	265	1	13	221	28	121	708	51	673
August	1,223	87	835	229	1	6	240	38	100	754	48	729
September	1,161	81	743	236	-	5	228	31	75	697	50	663
October	1,230	83	860	234	-	22	258	30	125	738	53	713
November	986	61	793	177	4	137	218	19	78	591	38	578
December	1,119	68	717	223	-	12	260	28	93	636	40	612
Total	13,697	845	9,461	2,666	8	297	2,754	335	1,050	8,277	502	8,114

TABLE 2-2 ACCIDENT/INCIDENT RATES, BY MONTH, 2007

Months	Total Accident/ Incident	Train Accidents	Employee On Duty	Highway-rail Crossing	Other Events	Trespasser	Passenger On Trains	Passenger Train	Yard Track	Other Track
January	17.41	3.28	2.21	3.75	10.38	0.74	8.11	1.01	12.92	1.81
February	18.52	3.63	1.99	4.42	10.47	0.69	7.12	1.26	14.00	2.02
March	16.99	3.37	2.06	2.76	10.86	1.11	9.25	0.75	14.16	1.74
April	15.92	3.01	2.00	3.30	9.61	1.01	7.19	0.77	11.34	1.76
May	17.59	3.36	2.24	3.04	11.19	1.10	18.33	0.99	14.94	1.58
June	17.23	3.24	2.12	3.14	10.85	1.16	8.17	1.52	11.80	1.95
July	18.30	4.06	2.32	3.39	10.85	1.49	7.33	2.21	14.76	2.45
August	18.02	3.37	2.37	3.54	11.11	1.33	6.05	0.72	13.67	1.80
September	17.80	3.62	2.41	3.50	10.69	1.41	4.83	1.17	14.44	1.99
October	17.90	3.41	2.39	3.76	10.74	1.38	6.61	1.67	13.80	1.81
November	15.07	2.71	2.14	3.33	9.03	0.93	13.24	0.76	9.88	1.63
December	17.63	3.51	2.42	4.10	10.02	0.90	5.91	1.63	13.03	2.07
Total	17.36	3.38	2.22	3.49	10.49	1.11	8.52	1.21	13.24	1.88

TABLE 2-3 ACCIDENTS/INCIDENTS BY RAILROAD GROUPS, 2007

Groups	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
I	9,465	708	6,102	2,058	6	235	2,174	290	860	5,233	412	5,007
II	2,858	106	2,561	286	2	54	239	29	105	2,333	75	2,402
III	1,374	31	798	322	-	8	341	16	85	711	15	705
All	13,697	845	9,461	2,666	8	297	2,754	335	1,050	8,277	502	8,114

TABLE 2-4 OPERATIONAL DATA BY RAILROAD GROUPS, 2007

Groups	Train Miles	Freight Train Miles	Passenger Train Miles	Yard Switching Train Miles	Other Train Miles	Employee Hours	Passengers Carried
I	679,169,909	555,614,138	37,465,000	82,828,122	3,262,649	381,431,327	26,550,910
II	78,626,941	14,785,342	51,285,671	11,858,287	697,641	74,916,206	510,118,909
III	31,138,257	15,117,561	6,598,273	9,312,640	109,783	26,866,436	43,876,011
All	788,935,107	585,517,041	95,348,944	103,999,049	4,070,073	483,213,969	580,545,830

TABLE 2-5 ACCIDENT/INCIDENT RATES BY RAILROAD GROUPS, 2007

Groups	Total Accident/ Incident	Train Accidents	Employee On Duty	Highway-rail Crossing	Other Events	Trespasser	Passenger On Trains	Passenger Train	Yard Track	Other Track
I	13.94	3.03	1.82	3.20	7.70	1.09	13.99	1.39	13.62	1.56
II	36.35	3.64	3.42	3.04	29.67	1.45	5.77	1.19	12.14	2.13
III	44.13	10.34	4.53	10.95	22.83	0.77	5.56	0.30	11.27	9.94
Tot	17.36	3.38	2.22	3.49	10.49	1.11	8.52	1.21	13.24	1.88

TABLE 2-6 ACCIDENTS/INCIDENTS BY RAILROAD, 2007

	Group - Railroads	Total			Train Accidents			HRC Incidents			Other Incidents		
		Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
1	Amtrak	1,587	129	1,568	84	-	141	135	59	108	1,368	70	1,319
	Burlington Northern Santa Fe	2,052	123	1,229	617	2	24	349	47	143	1,086	74	1,062
	Canadian National	481	20	292	106	-	1	141	8	63	234	12	228
	Canadian Pacific	153	8	103	29	-	3	33	3	11	91	5	89
	CSX Transportation	1,318	128	619	331	-	6	450	46	143	537	82	470
	Kansas City Southern	254	17	120	90	-	6	80	9	36	84	8	78
	Norfolk Southern Corp.	1,248	111	650	243	-	5	444	41	135	561	70	510
	Union Pacific	2,536	172	1,521	722	4	49	542	77	221	1,272	91	1,251
2	Alton & Southern	18	-	4	13	-	-	1	-	-	4	-	4
	Alaska RR Corp.	33	-	31	1	-	-	1	-	-	31	-	31
	Belt Rwy Of Chicago	27	-	12	14	-	-	1	-	-	12	-	12
	Conrail Shared Assets	97	-	40	40	-	1	22	-	4	35	-	35
	Dakota, Minnesota & Eastern	108	6	54	32	-	-	30	4	10	46	2	44
	Florida East Coast	87	20	36	11	-	-	36	3	11	40	17	25
	Guilford Rail System	28	1	24	3	-	-	-	-	-	25	1	24
	Other Railroads	22	1	10	5	-	-	12	1	5	5	-	5
	Indiana Harbor Belt	31	1	13	12	-	-	6	-	1	13	1	12
	Long Island Rail Road	555	9	533	5	-	-	11	2	1	539	7	532
	MD Assn. of Rail Comm	21	1	19	-	-	-	2	-	1	19	1	18
	Mass Bay Transit Auth.	87	12	80	4	2	10	3	-	-	80	10	70
	Montreal, Maine & Atlantic	24	-	14	7	-	-	4	-	1	13	-	13
	Metro North Commuter	292	9	253	39	-	7	2	-	4	251	9	242
	Montana Rail Link	52	-	35	11	-	-	7	-	1	34	-	34
	Northern IN Comm Trans	22	4	18	3	-	5	6	3	1	13	1	12
	Northeast IL Reg Comm	293	13	276	10	-	10	15	4	6	268	9	260
	New Jersey Transit Rail	220	14	171	38	-	5	10	3	1	172	11	165
	Paducah & Louisville	12	-	7	5	-	1	2	-	1	5	-	5
	Port Auth Trans Hudson	192	-	203	7	-	10	-	-	-	185	-	193
	Peninsula Comm San Mateo Cnty	43	3	33	2	-	-	7	1	-	34	2	33
	Port Terminal RR Assn	36	-	47	8	-	-	6	-	25	22	-	22
	Southern CA Reg Rail Auth.	42	9	25	-	-	-	18	5	5	24	4	20
	Southeastern PA Trans.	452	2	576	17	-	5	4	2	12	431	-	559
	Term RR Assn Of St. Louis	12	-	2	8	-	-	2	-	-	2	-	2
	Union RR (Pittsburgh)	8	-	5	2	-	-	1	-	-	5	-	5
	Wheeling & Lake Erie	40	1	21	12	-	-	20	1	13	8	-	8
	Wisconsin & Southern RR	37	-	19	10	-	-	10	-	2	17	-	17
3	Other Railroads	1,413	31	798	361	-	8	341	16	85	711	15	705

Highway-Rail Counts Are Excluded From Other Categories

TABLE 2-7 ACCIDENT/INCIDENT RATES BY RAILROAD, 2007

	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	40.13	2.12	2.67	3.41	34.59	2.15	13.99	1.36	11.05	1.63
	Burlington Northern Santa Fe	10.80	3.25	2.00	1.84	5.72	0.79	.	.	21.39	1.68
	Canadian National	22.75	5.01	2.72	6.67	11.07	0.90	.	.	15.47	2.27
	Canadian Pacific	13.27	2.52	2.38	2.86	7.90	0.87	.	.	4.18	2.13
	CSX Transportation	12.09	3.04	1.24	4.13	4.93	1.18	.	.	11.86	1.55
	Kansas City Southern	22.29	7.90	1.64	7.02	7.37	1.49	.	.	17.97	5.06
	Norfolk Southern Corp.	12.19	2.37	1.18	4.34	5.48	1.18	.	.	8.88	1.31
	Union Pacific	13.06	3.72	1.99	2.79	6.55	1.06	.	.	15.43	1.87
2	Alton & Southern	18.59	13.42	1.23	1.03	4.13	.	.	.	12.39	.
	Alaska RR Corp.	21.82	0.66	3.74	0.66	20.50	0.66	.	.	.	1.23
	Belt Rwy Of Chicago	55.76	28.91	2.61	2.07	24.78	.	.	.	23.83	132.70
	Conrail Shared Assets	32.23	13.29	1.74	7.31	11.63	1.00	.	.	15.14	10.84
	Dakota,Minnesota & Eastern	33.05	9.79	3.54	9.18	14.08	0.92	.	.	22.03	7.82
	Florida East Coast	36.81	4.65	1.78	15.23	16.93	11.42	.	.	13.14	3.03
	Guilford Rail System	17.58	1.88	2.49	.	15.69	1.88	.	.	1.52	2.14
	Other Railroads	38.13	8.67	1.50	20.80	8.67	3.47	.	.	15.30	5.25
	Indiana Harbor Belt	20.85	8.07	1.36	4.04	8.74	0.67	.	.	11.31	1.94
	Long Island Rail Road	65.12	0.59	2.52	1.29	63.25	1.06	7.73	.	.	.
	MD Assn. of Rail Comm	17.87	.	0.37	1.70	16.17	0.85	5.36	.	.	.
	Mass Bay Transit Auth.	21.60	0.99	3.02	0.74	19.86	2.48	3.27	0.25	.	0.50
	Montreal, Maine & Atlantic	55.97	16.32	5.21	9.33	30.32	.	.	.	14.68	17.09
	Metro North Commuter	30.62	4.09	2.96	0.21	26.32	1.05	1.00	2.52	.	3.15
	Montana Rail Link	13.11	2.77	3.00	1.77	8.57	.	.	.	15.20	1.14
	Northern IN Comm Trans	28.78	3.92	1.60	7.85	17.01	3.92	5.64	1.31	.	3.92
	Northeast IL Reg Comm	30.52	1.04	2.33	1.56	27.92	1.46	7.05	0.68	1.24	1.00
	New Jersey Transit Rail	22.00	3.80	2.44	1.00	17.20	1.40	1.25	1.43	64.86	1.66
	Paducah & Louisville	19.70	8.21	1.80	3.28	8.21	1.64	.	.	15.35	6.26
	Port Auth Trans Hudson	94.76	3.45	10.93	.	91.31	.	6.52	2.27	7.57	2.84
	Peninsula Comm San Mateo Cnty	30.05	1.40	3.00	4.89	23.76	2.80	5.97	.	53.24	.
	Port Terminal RR Assn	28.13	6.25	6.23	4.69	17.19	.	.	.	3.13	.
	Southern CA Reg Rail Auth.	17.59	.	1.22	7.54	10.05	2.09	.	.	.	.
	Southeastern PA Trans.	87.31	3.28	15.82	0.77	83.26	0.19	41.00	2.51	.	2.90
	Term RR Assn Of St. Louis	18.35	12.23	0.74	3.06	3.06	.	.	.	7.64	.
	Union RR (Pittsburgh)	58.93	14.73	1.17	7.37	36.83	.	.	.	14.73	.
	Wheeling & Lake Erie	31.31	9.39	1.68	15.66	6.26	0.78	.	.	29.16	5.60
	Wisconsin & Southern RR	101.58	27.45	6.18	27.45	46.67	2.75	.	.	47.94	21.37
3	Other Railroads	45.38	11.59	4.53	10.95	22.83	0.77	5.56	0.30	12.99	11.00

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

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

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

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

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

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

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

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

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

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

TABLE 2-8 RAILROAD RANKINGS, 2007

Railroads		Train Miles	Hours	Total Rate	Train Acc Rate	EOD Rate	HRC Rate	Other Events	Tres Rate
1	ATK - Amtrak	5	5	40	2	3	3	35	2
	BNSF - Burlington Northern Santa Fe	2	2	11	3	2	2	6	1
	CN - Canadian National	6	6	23	5	3	7	11	1
	CP - Canadian Pacific	7	7	13	3	2	3	8	1
	CSX - CSX Transportation	3	3	12	3	1	4	5	1
	KCS - Kansas City Southern	8	8	22	8	2	7	7	1
	NS - Norfolk Southern Corp.	4	4	12	2	1	4	5	1
	UP - Union Pacific	1	1	13	4	2	3	7	1
2	ALS - Alton & Southern	20	21	19	13	1	1	4	0
	ARR - Alaska RR Corp.	14	13	22	1	4	1	20	1
	BRC - Belt Rwy Of Chicago	25	15	56	29	3	2	25	0
	CRSH - Conrail Shared Assets	9	7	32	13	2	7	12	1
	DME - Dakota, Minnesota & Eastern	8	8	33	10	4	9	14	1
	FEC - Florida East Coast	11	14	37	5	2	15	17	11
	GRS - Guilford Rail System	13	11	18	2	2	0	16	2
	IAIS - Other Railroads	24	28	38	9	2	21	9	3
	IHB - Indiana Harbor Belt	15	12	21	8	1	4	9	1
	LI - Long Island Rail Road	4	1	65	1	3	1	63	1
	MACZ - MD Assn. of Rail Comm	19	25	18	0	0	2	16	1
	MBTA - Mass Bay Transit Auth.	6	5	22	1	3	1	20	2
	MMA - Montreal, Maine & Atlantic	26	27	56	16	5	9	30	0
	MNCW - Metro North Commuter	3	2	31	4	3	0	26	1
	MRL - Montana Rail Link	7	9	13	3	3	2	9	0
	NICD - Northern IN Comm Trans	21	22	29	4	2	8	17	4
	NIRC - Northeast IL Reg Comm	2	4	31	1	2	2	28	1
	NJTR - New Jersey Transit Rail	1	3	22	4	2	1	17	1
	PAL - Paducah & Louisville	23	23	20	8	2	3	8	2
	PATH - Port Auth Trans Hudson	12	10	95	3	11	0	91	0
	PCMZ - Peninsula Comm San Mateo Cnty	16	18	30	1	3	5	24	3
	PTRA - Port Terminal RR Assn	17	19	28	6	6	5	17	0
	SCAX - Southern CA Reg Rail Auth.	10	20	18	0	1	8	10	2
	SEPA - Southeastern PA Trans.	5	6	87	3	16	1	83	0
	TRRA - Term RR Assn Of St. Louis	22	24	18	12	1	3	3	0
	URR - Union RR (Pittsburgh)	28	16	59	15	1	7	37	0
	WE - Wheeling & Lake Erie	18	17	31	9	2	16	6	1
	WSOR - Wisconsin & Southern RR	27	26	102	27	6	27	47	3

TABLE 2-9 OPERATIONAL DATA, BY RAILROAD, 2007

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	968,478	0.12	652,179	0.13	-	-	968,478	-	-	-
ARR	1,512,545	0.19	1,602,314	0.33	617,918	192,490	702,137	-	167,731	26
ATK	39,547,096	5.01	36,286,415	7.51	-	37,465,000	2,082,096	-	26,550,910	5,784
BNSF	189,953,159	24.08	84,255,691	17.44	174,803,616	-	15,149,543	-	-	-
BRC	484,214	0.06	919,384	0.19	22,607	-	461,607	-	-	-
CN	21,143,231	2.68	16,026,686	3.32	16,727,234	-	4,395,095	20,902	-	-
CP	11,525,436	1.46	7,150,283	1.48	9,369,761	-	2,155,675	-	-	-
CRSH	3,009,758	0.38	2,189,829	0.45	1,292,008	-	1,717,750	-	-	-
CSX	109,015,883	13.82	65,859,501	13.63	93,328,437	-	15,687,446	-	-	-
DME	3,268,161	0.41	2,146,939	0.44	2,814,225	-	453,936	-	-	-
FEC	2,363,284	0.30	1,571,125	0.33	1,982,822	-	380,462	-	-	-
GRS	1,592,891	0.20	1,765,384	0.37	936,105	-	656,786	-	-	-
IAIS	576,927	0.07	399,363	0.08	377,844	483	196,104	2,496	22,068	0
IHB	1,486,746	0.19	1,622,058	0.34	514,176	-	972,570	-	-	-
KCS	11,393,344	1.44	6,957,324	1.44	8,889,544	-	2,503,800	-	-	-
LI	8,522,179	1.08	13,516,034	2.80	-	8,522,179	-	-	86,098,475	2,314
MACZ	1,175,170	0.15	534,029	0.11	-	1,106,021	4,318	64,831	7,349,125	224
MBTA	4,027,585	0.51	3,905,179	0.81	-	4,027,585	-	-	38,961,413	459
MMA	428,808	0.05	498,909	0.10	292,558	-	136,250	-	-	-
MNCW	9,537,316	1.21	12,110,024	2.51	-	9,537,316	-	-	78,231,101	2,301
MRL	3,965,769	0.50	2,069,589	0.43	3,505,380	-	460,389	-	-	-
NICD	764,333	0.10	624,896	0.13	-	764,333	-	-	4,496,981	142
NIRC	9,599,538	1.22	8,242,881	1.71	601,075	7,344,844	1,617,289	36,330	82,748,965	1,858
NJTR	10,001,030	1.27	9,590,704	1.98	-	9,070,724	339,168	591,138	75,045,800	1,913
NS	102,362,845	12.97	63,854,617	13.21	87,943,111	-	14,419,734	-	-	-
PAL	609,285	0.08	555,772	0.12	478,951	-	130,334	-	-	-
PATH	2,026,097	0.26	2,068,188	0.43	-	1,761,822	264,275	-	81,005,137	353
PCMZ	1,431,026	0.18	800,802	0.17	-	1,393,457	37,569	-	11,424,657	235
PTRA	1,279,872	0.16	705,782	0.15	-	-	1,279,872	-	-	-
SCAX	2,387,721	0.30	657,956	0.14	-	2,387,721	-	-	11,206,838	385
SEPA	5,176,696	0.66	3,425,324	0.71	-	5,176,696	-	-	33,360,618	454
TRRA	654,055	0.08	537,133	0.11	-	-	654,055	-	-	-
UP	194,228,915	24.62	101,040,810	20.91	164,552,435	-	26,434,733	3,241,747	-	-
URR	135,757	0.02	854,816	0.18	-	-	135,757	-	-	-
WE	1,277,451	0.16	831,732	0.17	1,071,714	-	205,737	-	-	-
WSOR	364,249	0.05	517,881	0.11	277,959	-	83,444	2,846	-	-
XXXX	31,138,257	3.95	26,866,436	5.56	15,117,561	6,598,273	9,312,640	109,783	43,876,011	755
Total	788,935,107	100.0	483,213,969	100.0	585,517,041	95,348,944	103,999,049	4,070,073	580,545,830	17,202

XXXX = all other railroads

TABLE 2-10 OPERATIONAL DATA, BY MONTH, 2007

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	66,172,096	8.39	41,098,423	8.51	49,209,492	7,903,844	8,744,897	313,863	45,449,418	1,270
February	60,647,045	7.69	37,870,481	7.84	45,051,264	7,150,199	8,144,850	300,732	41,816,414	1,179
March	68,219,302	8.65	42,363,621	8.77	50,865,760	8,012,446	8,967,940	373,156	48,266,616	1,394
April	65,455,519	8.30	40,020,793	8.28	48,758,520	7,765,201	8,556,729	375,069	46,804,482	1,391
May	67,196,795	8.52	42,330,899	8.76	49,734,939	8,108,108	8,969,248	384,500	50,220,568	1,451
June	65,353,650	8.28	40,720,869	8.43	48,515,841	7,906,852	8,559,546	371,411	49,588,573	1,518
July	65,234,420	8.27	40,311,051	8.34	48,226,439	8,143,670	8,538,399	325,912	50,354,986	1,568
August	67,860,045	8.60	42,638,834	8.82	50,115,697	8,388,376	8,995,996	359,976	51,591,569	1,604
September	65,226,499	8.27	38,911,541	8.05	48,657,194	7,721,479	8,518,485	329,341	47,089,271	1,386
October	68,701,493	8.71	42,392,619	8.77	50,862,261	8,368,975	9,133,570	336,687	51,944,503	1,514
November	65,412,319	8.29	38,390,559	7.94	48,675,891	7,926,167	8,505,906	304,355	49,910,235	1,473
December	63,455,924	8.04	36,164,279	7.48	46,843,743	7,953,627	8,363,483	295,071	47,509,195	1,455
Total	788,935,107	100.0	483,213,969	100.0	585,517,041	95,348,944	103,999,049	4,070,073	580,545,830	17,202

TABLE 2-11 SUMMARY OF ACCIDENTS/INCIDENTS BY STATE, 2007

States	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
Alabama	276	20	144	70	-	7	104	15	39	102	5	98
Alaska	53	-	51	1	-	-	1	-	-	51	0	51
Arizona	171	12	111	22	-	2	38	-	9	111	12	100
Arkansas	233	18	161	58	-	25	72	12	35	103	6	101
California	926	124	631	155	4	10	162	45	72	609	75	549
Colorado	225	5	130	74	-	3	31	2	10	120	3	117
Connecticut	135	8	113	21	-	5	3	-	4	111	8	104
Delaware	66	2	55	7	-	-	6	-	3	53	2	52
Dist Of Columbia	116	-	108	8	-	-	-	-	-	108	0	108
Florida	339	54	241	45	-	2	90	20	64	204	34	175
Georgia	341	33	175	62	-	-	138	17	46	141	16	129
Idaho	87	3	56	18	-	3	21	3	4	48	0	49
Illinois	1,179	62	1,016	215	1	146	153	28	68	811	33	802
Indiana	397	34	200	78	-	8	163	19	48	156	15	144
Iowa	281	12	150	73	-	2	82	7	27	126	5	121
Kansas	291	14	181	86	-	7	57	9	18	148	5	156
Kentucky	208	16	108	43	-	2	75	9	21	90	7	85
Louisiana	330	22	181	90	-	2	121	14	57	119	8	122
Maine	44	1	31	9	-	-	5	1	1	30	0	30
Maryland	129	10	103	17	-	-	16	1	5	96	9	98
Massachusetts	163	15	138	16	2	10	9	-	2	138	13	126
Michigan	215	9	127	37	-	2	66	3	19	112	6	106
Minnesota	269	12	168	62	-	5	59	5	18	148	7	145
Mississippi	163	9	82	37	-	5	69	3	23	57	6	54
Missouri	264	12	189	63	-	3	43	7	26	158	5	160
Montana	152	3	114	24	-	-	18	2	4	110	1	110
Nebraska	323	8	194	101	-	-	52	8	16	170	0	178
Nevada	40	4	30	7	-	-	1	-	-	32	4	30
New Hampshire	5	-	3	0	-	-	2	-	-	3	0	3
New Jersey	496	16	401	76	-	12	30	3	4	390	13	385
New Mexico	97	16	63	21	-	-	14	7	7	62	9	56
New York	1,101	24	981	80	-	7	49	5	12	972	19	962
North Carolina	188	26	98	26	-	-	68	5	20	94	21	78
North Dakota	87	4	51	28	-	1	13	4	4	46	0	46
Ohio	425	31	236	96	-	-	120	8	40	209	23	196
Oklahoma	205	13	112	71	-	2	59	9	36	75	4	74
Oregon	177	7	114	39	-	1	26	1	4	112	6	109
Pennsylvania	848	28	831	81	-	6	81	5	28	686	23	797
Rhode Island	15	2	12	1	-	-	-	-	-	14	2	12
South Carolina	142	17	77	21	-	2	66	7	30	55	10	45
South Dakota	46	1	22	15	-	-	12	1	3	19	0	19
Tennessee	223	13	108	60	-	1	71	6	21	92	7	86
Texas	1,186	83	688	325	-	12	296	34	141	565	49	535
Utah	102	-	56	36	-	-	17	-	6	49	0	50
Vermont	28	-	22	2	-	-	4	-	-	22	0	22
Virginia	198	5	132	41	-	1	35	-	12	122	5	119
Washington	278	16	197	53	-	2	48	6	16	177	10	179
West Virginia	113	7	62	23	-	-	26	-	4	64	7	58
Wisconsin	185	8	117	26	-	-	59	3	22	100	5	95
Wyoming	136	6	90	46	1	1	3	1	1	87	4	88
Total	13,697	845	9,461	2,666	8	297	2,754	335	1,050	8,277	502	8,114

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CHAPTER 3

CASUALTY REPORTING

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

Requirements in effect from 1975 to April 2003

Any event connected with the operation of a railroad that results in one or more of the following consequences must be reported on Form FRA 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.
4. Any occupational illness of a railroad employee.

A railroad need not report the following:

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

Requirements in effect May 1, 2003

Each event or exposure arising from the operation of a railroad shall be reported on Form FRA F 6180.55a if the event or exposure is a discernable cause of one or more of the following outcomes, 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 any of the following:
 - i. A day away from work.
 - ii. Restricted work activity or job transfer.
 - 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.
 - 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 needlestick 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.
 - 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 grade 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 workplace activities, or exposures, that occur over a period of time, e.g., occupational illnesses. See § 225.19(d).

A railroad need not report any of the following:

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

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TABLE 3-1 CASUALTIES BY TYPE PERSON AND PRIMARY EVENT, 2007

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)	15	5,139	17	5,351	5	94	1	107	11	5,150
B - Employee not on duty	.	165	.	183	.	.	.	1	.	182
C - Passenger on train	5	1,114	5	1,461	.	168	.	67	5	1,226
D - Nontrespasser	166	1,101	191	1,289	1	2 180		561	10	726
E - Trespasser	597	601	624	682	2	3 154		277	468	402
F - Worker on duty(contractor)	.	193	.	205	.	1	.	4	.	200
G - Contractor(other)	5	200	5	235	.	3	.	25	5	207
H - Worker on duty(volunteer)	.	6	.	6	.	.	.	.	.	6
I - Volunteer(other)	.	2	.	2	.	.	.	.	.	2
J - Nontrespasser, off rr property	3	17	3	47	.	26	.	8	3	13
Total..	791	8,538	845	9,461	8	297 335		1,050	502	8,114

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, 2007

	Total	%	Type Person Codes					
			A	C	D	E	G	J
Amtrak	129	15.3	1	2	15	110	1	-
Burlington Northern Santa Fe	123	14.6	4	-	26	90	3	-
Canadian National	20	2.4	1	-	8	10	-	1
Canadian Pacific	8	0.9	-	-	2	6	-	-
CSX Transportation	128	15.1	1	-	35	92	-	-
Dakota, Minnesota & Eastern	6	0.7	-	-	-	6	-	-
Florida East Coast	20	2.4	-	-	-	20	-	-
Guilford Rail System	1	0.1	-	-	-	1	-	-
Other Railroads	32	3.8	1	1	10	19	1	-
Indiana Harbor Belt	1	0.1	1	-	-	-	-	-
Kansas City Southern	17	2.0	-	-	9	8	-	-
Long Island Rail Road	9	1.1	1	-	-	8	-	-
MD Assn. of Rail Comm	1	0.1	-	-	-	1	-	-
Mass Bay Transit Auth.	12	1.4	2	-	1	9	-	-
Metro North Commuter	9	1.1	-	-	-	9	-	-
Northern IN Comm Trans	4	0.5	-	-	-	4	-	-
Northeast IL Reg Comm	13	1.5	-	2	1	8	-	2
New Jersey Transit Rail	14	1.7	-	-	-	14	-	-
Norfolk Southern Corp.	111	13.1	2	-	32	77	-	-
Peninsula Comm San Mateo Cnty	3	0.4	-	-	-	3	-	-
Southern CA Reg Rail Auth.	9	1.1	-	-	-	9	-	-
Southeastern PA Trans.	2	0.2	-	-	-	2	-	-
Union Pacific	172	20.4	3	-	52	117	-	-
Wheeling & Lake Erie	1	0.1	-	-	-	1	-	-
Total	845	100	17	5	191	624	5	3

*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, 2007

States	Total	%	Type Person Codes					
			A	C	D	E	G	J
Alabama	20	2.4	-	-	11	9	-	-
Arizona	12	1.4	1	-	1	10	-	-
Arkansas	18	2.1	-	-	9	9	-	-
California	124	14.7	4	-	6	112	2	-
Colorado	5	0.6	-	-	1	3	1	-
Connecticut	8	0.9	-	-	-	8	-	-
Delaware	2	0.2	-	-	-	2	-	-
Florida	54	6.4	-	-	8	45	1	-
Georgia	33	3.9	-	-	13	19	1	-
Idaho	3	0.4	-	-	2	1	-	-
Illinois	62	7.3	1	2	14	42	-	3
Indiana	34	4.0	1	-	11	22	-	-
Iowa	12	1.4	-	-	6	6	-	-
Kansas	14	1.7	-	-	8	6	-	-
Kentucky	16	1.9	2	-	9	5	-	-
Louisiana	22	2.6	-	-	12	10	-	-
Maine	1	0.1	-	-	-	1	-	-
Maryland	10	1.2	-	-	1	9	-	-
Massachusetts	15	1.8	3	-	1	11	-	-
Michigan	9	1.1	-	-	1	8	-	-
Minnesota	12	1.4	-	1	3	8	-	-
Mississippi	9	1.1	-	-	3	6	-	-
Missouri	12	1.4	-	-	4	8	-	-
Montana	3	0.4	-	-	-	3	-	-
Nebraska	8	0.9	-	-	4	4	-	-
Nevada	4	0.5	-	-	-	4	-	-
New Jersey	16	1.9	-	-	-	16	-	-
New Mexico	16	1.9	-	1	4	11	-	-
New York	24	2.8	1	-	2	21	-	-
North Carolina	26	3.1	-	-	2	24	-	-
North Dakota	4	0.5	-	-	2	2	-	-
Ohio	31	3.7	2	1	3	25	-	-
Oklahoma	13	1.5	1	-	7	5	-	-
Oregon	7	0.8	-	-	1	6	-	-
Pennsylvania	28	3.3	-	-	1	27	-	-
Rhode Island	2	0.2	-	-	-	2	-	-
South Carolina	17	2.0	-	-	5	12	-	-
South Dakota	1	0.1	-	-	1	-	-	-
Tennessee	13	1.5	-	-	5	8	-	-
Texas	83	9.8	-	-	22	61	-	-
Virginia	5	0.6	-	-	-	5	-	-
Washington	16	1.9	-	-	3	13	-	-
West Virginia	7	0.8	-	-	-	7	-	-
Wisconsin	8	0.9	-	-	4	4	-	-
Wyoming	6	0.7	1	-	1	4	-	-
Total	845	100.0	17	5	191	624	5	3

*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, 2007

	Type Person Codes											
	Total	%	A	B	C	D	E	F	G	H	I	J
Alton & Southern	4	0.0	4	-	-	-	-	-	-	-	-	-
Alaska RR Corp.	31	0.3	30	-	-	-	1	-	-	-	-	-
Amtrak	1,568	16.6	484	31	807	194	45	2	4	-	-	1
Burlington Northern Santa Fe	1,229	13.0	837	30	-	92	131	21	118	-	-	-
Belt Rwy Of Chicago	12	0.1	12	-	-	-	-	-	-	-	-	-
Canadian National	292	3.1	217	5	-	60	10	-	-	-	-	-
Canadian Pacific	103	1.1	85	3	-	5	8	1	-	-	-	1
Conrail Shared Assets	40	0.4	19	-	-	16	3	2	-	-	-	-
CSX Transportation	619	6.5	407	11	-	89	95	7	5	-	-	5
Dakota,Minnesota & Eastern	54	0.6	38	-	-	-	11	-	5	-	-	-
Florida East Coast	36	0.4	14	-	-	3	18	-	1	-	-	-
Guilford Rail System	24	0.3	22	-	-	-	2	-	-	-	-	-
Other Railroads	808	8.5	611	5	41	57	38	30	15	5	2	4
Indiana Harbor Belt	13	0.1	10	1	-	-	2	-	-	-	-	-
Kansas City Southern	120	1.3	57	-	-	35	9	15	-	-	-	4
Long Island Rail Road	533	5.6	169	4	179	173	4	-	4	-	-	-
MD Assn. of Rail Comm	19	0.2	1	-	12	5	1	-	-	-	-	-
Mass Bay Transit Auth.	80	0.8	57	2	15	5	1	-	-	-	-	-
Montreal, Maine & Atlantic	14	0.1	13	-	-	1	-	-	-	-	-	-
Metro North Commuter	253	2.7	179	12	23	29	1	-	9	-	-	-
Montana Rail Link	35	0.4	31	1	-	2	-	-	1	-	-	-
Northern IN Comm Trans	18	0.2	5	-	8	2	3	-	-	-	-	-
Northeast IL Reg Comm	276	2.9	96	3	129	31	14	-	1	-	-	2
New Jersey Transit Rail	171	1.8	117	10	24	11	4	1	4	-	-	-
Norfolk Southern Corp.	650	6.9	376	7	-	100	91	50	25	1	-	-
Paducah & Louisville	7	0.1	5	-	-	-	2	-	-	-	-	-
Port Auth Trans Hudson	203	2.1	113	-	23	46	-	15	6	-	-	-
Peninsula Comm San Mateo Cnty	33	0.3	12	-	14	5	2	-	-	-	-	-
Port Terminal RR Assn	47	0.5	22	-	-	-	1	-	24	-	-	-
Southern CA Reg Rail Auth.	25	0.3	4	-	-	-	5	12	4	-	-	-
Southeastern PA Trans.	576	6.1	271	2	186	115	2	-	-	-	-	-
Term RR Assn Of St. Louis	2	0.0	2	-	-	-	-	-	-	-	-	-
Union Pacific	1,521	16.1	1,003	56	-	211	163	49	9	-	-	30
Union RR (Pittsburgh)	5	0.1	5	-	-	-	-	-	-	-	-	-
Wheeling & Lake Erie	21	0.2	7	-	-	-	14	-	-	-	-	-
Wisconsin & Southern RR	19	0.2	16	-	-	2	1	-	-	-	-	-
Total	9,461	100	5,351	183	1,461	1,289	682	205	235	6	2	47

*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, 2007

	Total	%	Type Person codes									
			A	B	C	D	E	F	G	H	I	J
Alabama	144	1.5	82	-	12	30	11	3	6	-	-	-
Alaska	51	0.5	48	-	2	-	1	-	-	-	-	-
Arizona	111	1.2	75	1	8	7	18	-	1	-	-	1
Arkansas	161	1.7	78	4	4	36	7	8	-	-	-	24
California	631	6.7	329	9	134	36	72	22	25	1	1	2
Colorado	130	1.4	81	4	17	9	15	3	1	-	-	-
Connecticut	113	1.2	84	3	17	4	3	-	2	-	-	-
Delaware	55	0.6	38	4	8	4	1	-	-	-	-	-
Dist Of Columbia	108	1.1	56	4	24	21	-	2	1	-	-	-
Florida	241	2.5	83	3	92	23	28	3	9	-	-	-
Georgia	175	1.8	93	1	19	20	29	7	4	1	-	1
Idaho	56	0.6	48	-	1	3	4	-	-	-	-	-
Illinois	1,016	10.7	438	13	314	125	52	36	34	1	-	3
Indiana	200	2.1	120	4	13	30	31	1	-	1	-	-
Iowa	150	1.6	97	3	9	25	8	4	4	-	-	-
Kansas	181	1.9	132	9	4	19	10	2	5	-	-	-
Kentucky	108	1.1	72	1	1	16	12	3	2	-	-	1
Louisiana	181	1.9	94	4	9	52	15	6	1	-	-	-
Maine	31	0.3	27	-	1	1	1	-	1	-	-	-
Maryland	103	1.1	52	4	26	11	5	5	-	-	-	-
Massachusetts	138	1.5	98	9	19	5	5	-	2	-	-	-
Michigan	127	1.3	81	3	10	16	8	6	2	1	-	-
Minnesota	168	1.8	121	3	7	13	16	4	4	-	-	-
Mississippi	82	0.9	37	-	14	17	8	1	1	-	-	4
Missouri	189	2.0	119	6	14	24	16	2	8	-	-	-
Montana	114	1.2	88	1	11	2	5	-	7	-	-	-
Nebraska	194	2.1	151	6	3	15	8	3	8	-	-	-
Nevada	30	0.3	19	-	6	2	2	1	-	-	-	-
New Hampshire	3	0.0	3	-	-	-	-	-	-	-	-	-
New Jersey	401	4.2	252	7	56	62	7	10	7	-	-	-
New Mexico	63	0.7	32	2	12	4	8	1	4	-	-	-
New York	981	10.4	457	21	216	249	14	10	12	-	-	2
North Carolina	98	1.0	36	-	19	18	21	3	1	-	-	-
North Dakota	51	0.5	40	1	5	3	2	-	-	-	-	-
Ohio	236	2.5	150	4	9	17	41	11	3	1	-	-
Oklahoma	112	1.2	59	1	-	34	12	4	2	-	-	-
Oregon	114	1.2	64	-	22	15	8	4	1	-	-	-
Pennsylvania	831	8.8	426	7	208	150	22	5	12	-	-	1
Rhode Island	12	0.1	8	-	4	-	-	-	-	-	-	-
South Carolina	77	0.8	29	1	11	19	13	-	1	-	-	3
South Dakota	22	0.2	17	1	-	-	3	-	1	-	-	-
Tennessee	108	1.1	66	4	3	20	4	3	6	-	1	1
Texas	688	7.3	427	21	26	70	88	19	34	-	-	3
Utah	56	0.6	33	3	10	6	4	-	-	-	-	-
Vermont	22	0.2	22	-	-	-	-	-	-	-	-	-
Virginia	132	1.4	62	2	38	12	11	4	3	-	-	-
Washington	197	2.1	124	2	18	15	22	8	8	-	-	-
West Virginia	62	0.7	49	1	1	4	4	1	2	-	-	-
Wisconsin	117	1.2	83	-	4	23	6	-	-	-	-	1
Wyoming	90	1.0	71	6	-	2	1	-	10	-	-	-
Total	9,461	100.0	5,351	183	1,461	1,289	682	205	235	6	2	47

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

TABLE 3-6 REPORTABLE CONDITIONS, ALL TYPE PERSONS, 2007

Condition	Cnt	%	Type of Person *									
			A	B	C	D	E	F	G	H	I	J
Bruise/contusion	1,793	17.4	703	35	525	308	142	37	41	-	-	2
Occ. Illness	228	2.2	220	2	-	-	-	2	3	1	-	-
Occ. illness,FATAL****	1	0.0	-	-	-	-	-	-	1	-	-	-
Crushing injury	109	1.1	57	-	3	11	20	9	6	-	1	2
Sprain/Str., other	70	0.7	29	3	4	24	8	2	-	-	-	-
Sprain/Str.,arm/hand	289	2.8	236	5	21	15	3	3	6	-	-	-
Sprain/Str.,leg/foot	934	9.1	675	27	138	70	3	16	5	-	-	-
Sprain/Str.,head/face	298	2.9	212	12	28	39	3	2	2	-	-	-
Sprain/Str.,torso	1,805	17.5	1,344	46	225	116	3	25	43	-	-	3
Cut/abrasion	1,397	13.6	620	16	268	271	124	43	49	2	1	3
Puncture wound	69	0.7	58	2	3	2	1	-	3	-	-	-
Needle stick	10	0.1	8	-	1	-	-	-	1	-	-	-
Electric shock/burn	37	0.4	30	1	-	3	1	2	-	-	-	-
Other burn	98	1.0	76	-	11	2	2	3	3	1	-	-
Dislocation	73	0.7	49	2	6	10	2	4	-	-	-	-
Fracture,other	8	0.1	5	-	-	1	1	-	1	-	-	-
Fracture,arm/hand	346	3.4	215	3	39	44	23	13	9	-	-	-
Fracture,leg/foot	341	3.3	160	3	59	66	29	11	12	-	-	1
Fracture,head/face	70	0.7	19	2	10	22	13	3	1	-	-	-
Fracture,torso	178	1.7	59	7	39	46	18	2	6	1	-	-
Fracture,multiple	21	0.2	2	-	-	10	7	1	1	-	-	-
Rupture/tear, tendon, e	72	0.7	56	-	6	7	-	2	1	-	-	-
Gunshot/knife wound	4	0.0	3	1	-	-	-	-	-	-	-	-
Animal/snake/insect bit	84	0.8	64	5	7	1	-	3	4	-	-	-
Dental related	49	0.5	27	1	11	8	-	-	1	1	-	-
Amputation,other	3	0.0	1	-	-	-	2	-	-	-	-	-
Amputation,arm/hand	52	0.5	28	-	1	2	20	1	-	-	-	-
Amputation,leg/foot	83	0.8	12	-	1	3	65	1	1	-	-	-
Fatality	844	8.2	17	-	5	191	624	-	4	-	-	3
Object in eye	101	1.0	89	2	3	1	-	1	5	-	-	-
Hernia	38	0.4	36	-	1	-	-	-	1	-	-	-
Concussion	84	0.8	35	3	7	17	16	3	1	-	-	2
Nervous shock	2	0.0	1	-	-	1	-	-	-	-	-	-
Internal injury	71	0.7	12	-	11	25	19	2	2	-	-	-
Skin reaction	56	0.5	25	-	1	1	-	-	1	-	-	28
One-time exp. to noise	8	0.1	8	-	-	-	-	-	-	-	-	-
Unspecified injury	474	4.6	92	5	26	161	157	8	20	-	-	5
One-time exp.-fumes	105	1.0	85	-	6	1	-	6	6	-	-	1
Other	1	0.0	-	-	-	1	-	-	-	-	-	-
Total	10,306	100.0	5,368	183	1,466	1,480	1,306	205	240	6	2	50

*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
AND TYPE PERSON, 2007**

Age		Total		Type of Person *									
		Cnt	%	A	B	C	D	E	F	G	H	I	J
Kld	Unk	65	0.6	-	-	-	4	61	-	-	-	-	-
	1-5	5	0.0	-	-	-	1	4	-	-	-	-	-
	6-10	7	0.1	-	-	-	4	3	-	-	-	-	-
	11-15	27	0.3	-	-	-	11	16	-	-	-	-	-
	16-20	72	0.7	-	-	-	15	57	-	-	-	-	-
	21-25	88	0.9	-	-	-	14	74	-	-	-	-	-
	26-30	61	0.6	-	-	2	11	46	-	2	-	-	-
	31-35	68	0.7	1	-	-	20	46	-	1	-	-	-
	36-40	66	0.6	1	-	-	15	48	-	-	-	-	2
	41-45	97	0.9	2	-	-	18	77	-	-	-	-	-
	46-50	82	0.8	4	-	-	18	59	-	1	-	-	-
	51-55	66	0.6	4	-	-	14	47	-	-	-	-	1
	56-60	58	0.6	4	-	-	11	42	-	1	-	-	-
	> 60	83	0.8	1	-	3	35	44	-	-	-	-	-
	Total	845	8.2	17	-	5	191	624	-	5	-	-	3
Nonfatal	Unk	642	6.2	1	-	351	192	58	14	24	1	-	1
	1-5	64	0.6	-	-	28	26	10	-	-	-	-	-
	6-10	65	0.6	-	-	21	33	8	-	-	-	-	3
	11-15	81	0.8	2	-	11	28	36	-	-	-	-	4
	16-20	257	2.5	64	3	15	65	91	9	6	-	-	4
	21-25	546	5.3	278	5	43	76	72	29	41	-	-	2
	26-30	790	7.7	518	13	47	104	59	19	25	1	-	4
	31-35	906	8.8	639	14	57	88	47	35	18	-	-	8
	36-40	1,015	9.8	706	21	67	88	57	29	40	-	-	7
	41-45	1,013	9.8	707	21	85	90	59	19	27	-	-	5
	46-50	1,042	10.1	725	22	93	90	60	24	24	-	-	4
	51-55	1,186	11.5	841	39	135	104	43	11	11	-	-	2
	56-60	978	9.5	695	35	108	87	33	10	6	1	-	3
	> 60	876	8.5	175	10	400	218	49	6	13	3	2	-
	Total	9,461	91.8	5,351	183	1,461	1,289	682	205	235	6	2	47
Total		10,306	100.0	5,368	183	1,466	1,480	1,306	205	240	6	2	50

*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, 2007

Month	Total Cnt	Type of Person *									
		A	B	C	D	E	F	G	H	I	J
Kld	January	66	3	-	-	17	46	-	-	-	-
	February	48	-	-	-	21	26	-	1	-	-
	March	65	1	-	-	11	53	-	-	-	-
	April	61	-	-	-	11	48	-	1	-	1
	May	69	1	-	-	14	54	-	-	-	-
	June	76	-	-	1	20	54	-	1	-	-
	July	80	2	-	1	13	63	-	1	-	-
	August	87	3	-	-	24	60	-	-	-	-
	September	81	-	-	1	19	61	-	-	-	-
	October	83	4	-	2	21	55	-	-	-	1
	November	61	2	-	-	10	48	-	-	-	1
	December	68	1	-	-	10	56	-	1	-	-
	Total	845	17	-	5	191	624	-	5	-	3
Nonfatal	January	797	452	26	103	109	37	31	37	-	2
	February	754	376	33	84	145	56	22	15	-	23
	March	787	435	18	129	110	47	17	27	-	4
	April	668	400	9	100	86	45	9	16	-	3
	May	954	473	11	266	106	62	12	21	2	1
	June	746	432	8	123	107	44	12	15	3	2
	July	807	465	15	114	96	76	22	16	-	2
	August	835	503	12	97	113	65	22	18	1	4
	September	743	468	8	66	95	66	20	16	-	3
	October	860	502	15	98	124	80	17	23	-	1
	November	793	408	10	195	97	49	14	19	-	1
	December	717	437	18	86	101	55	7	12	-	1
	Total	9,461	5,351	183	1,461	1,289	682	205	235	6	47
Total		10,306	5,368	183	1,466	1,480	1,306	205	240	6	50

*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 PERSON, 2007

Time	Total		Type of Person *									
	Cnt	%	A	B	C	D	E	F	G	H	I	J
AM												
1	225	2.2	131	3	14	13	57	4	3	-	-	-
2	263	2.6	154	4	13	16	67	2	6	-	-	1
3	189	1.8	123	6	6	14	34	4	2	-	-	-
4	211	2.0	115	3	15	20	50	3	5	-	-	-
5	213	2.1	116	20	9	34	27	4	3	-	-	-
6	291	2.8	136	19	47	46	31	8	4	-	-	-
7	513	5.0	234	15	78	101	31	13	39	-	-	2
8	600	5.8	334	4	100	88	42	12	14	1	1	4
9	596	5.8	358	5	59	91	34	24	23	-	-	2
10	816	7.9	556	4	65	104	57	16	14	-	-	-
11	822	8.0	434	8	186	96	50	17	27	2	-	2
12	264	2.6	125	3	27	33	67	2	3	1	-	3
Total	5,003	48.5	2,816	94	619	656	547	109	143	4	1	14
PM												
1	590	5.7	381	6	64	70	52	6	10	-	1	-
2	586	5.7	321	12	60	91	66	15	19	-	-	2
3	595	5.8	240	14	99	130	65	10	13	1	-	23
4	567	5.5	208	8	193	78	54	13	8	1	-	4
5	462	4.5	206	7	76	82	73	12	4	-	-	2
6	409	4.0	191	4	74	69	66	1	4	-	-	-
7	332	3.2	147	3	58	54	56	7	7	-	-	-
8	296	2.9	143	4	41	38	66	2	1	-	-	1
9	279	2.7	121	2	43	40	63	3	5	-	-	2
10	279	2.7	124	8	31	29	77	5	5	-	-	-
11	292	2.8	157	6	20	41	57	6	5	-	-	-
12	616	6.0	313	15	88	102	64	16	16	-	-	2
Total	5,303	51.5	2,552	89	847	824	759	96	97	2	1	36
Total	10,306	100	5,368	183	1,466	1,480	1,306	205	240	6	2	50

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 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, if 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 EMPLOYEES ON DUTY, 2007

Condition	Total		Days Absent			Absent Cases 1/		Term./	Days Restricted			Hazmat
	Cnt	%	Cnt	%	Avg.	Cnt	%	2/ Cnt	Cnt	%	Avg.	Exp. 3/ Cnt
Bruise/contusion	703	13.1	29,457	11.7	42	491	13.4	4	3,687	11.4	5	-
Occ. Illness	220	4.1	5,421	2.1	25	82	2.2	-	471	1.5	2	1
Crushing injury	57	1.1	2,294	0.9	40	37	1.0	-	447	1.4	8	-
Sprain/Str., other	29	0.5	2,239	0.9	77	25	0.7	-	75	0.2	3	-
Sprain/Str.,arm/hand	236	4.4	9,880	3.9	42	155	4.2	2	2,203	6.8	9	-
Sprain/Str.,leg/foot	675	12.6	37,352	14.8	55	539	14.7	1	5,714	17.6	8	-
Sprain/Str.,head/face	212	3.9	11,893	4.7	56	161	4.4	-	806	2.5	4	1
Sprain/Str.,torso	1,344	25.0	85,152	33.7	63	1,080	29.4	4	10,079	31.1	7	2
Cut/abrasion	620	11.5	6,796	2.7	11	242	6.6	1	1,681	5.2	3	1
Puncture wound	58	1.1	640	0.3	11	24	0.7	-	174	0.5	3	-
Needle stick	8	0.1	0	0.0	0	-	-	-	0	0.0	0	-
Electric shock/burn	30	0.6	1,876	0.7	63	23	0.6	-	24	0.1	1	-
Other burn	76	1.4	990	0.4	13	42	1.1	-	124	0.4	2	4
Dislocation	49	0.9	4,161	1.6	85	43	1.2	-	346	1.1	7	-
Fracture,other	5	0.1	235	0.1	47	4	0.1	-	122	0.4	24	-
Fracture,arm/hand	215	4.0	11,763	4.7	55	153	4.2	-	3,267	10.1	15	-
Fracture,leg/foot	160	3.0	15,301	6.1	96	149	4.1	2	1,261	3.9	8	-
Fracture,head/face	19	0.4	1,814	0.7	95	17	0.5	1	178	0.5	9	-
Fracture,torso	59	1.1	4,960	2.0	84	54	1.5	-	227	0.7	4	-
Fracture,multiple	2	0.0	205	0.1	103	2	0.1	-	0	0.0	0	-
Rupture/tear, tendon, etc	56	1.0	4,414	1.7	79	47	1.3	1	469	1.4	8	-
Gunshot/knife wound	3	0.1	1	0.0	0	1	0.0	-	0	0.0	0	-
Animal/snake/insect bite	64	1.2	470	0.2	7	18	0.5	-	5	0.0	0	-
Dental related	27	0.5	111	0.0	4	10	0.3	-	0	0.0	0	-
Amputation,other	1	0.0	14	0.0	14	1	0.0	-	0	0.0	0	-
Amputation,arm/hand	28	0.5	1,929	0.8	69	23	0.6	-	367	1.1	13	-
Amputation,leg/foot	12	0.2	2,185	0.9	182	12	0.3	-	0	0.0	0	1
Fatality	17	0.3	0	0.0	0	-	-	-	0	0.0	0	-
Object in eye	89	1.7	152	0.1	2	36	1.0	-	13	0.0	0	-
Hernia	36	0.7	1,975	0.8	55	33	0.9	-	323	1.0	9	-
Concussion	35	0.7	2,267	0.9	65	29	0.8	-	77	0.2	2	-
Nervous shock	1	0.0	5	0.0	5	1	0.0	-	0	0.0	0	-
Internal injury	12	0.2	1,056	0.4	88	10	0.3	-	0	0.0	0	-
Skin reaction	25	0.5	933	0.4	37	15	0.4	-	1	0.0	0	4
One-time exp. to noise	8	0.1	186	0.1	23	3	0.1	-	12	0.0	2	-
Unspecified injury	92	1.7	2,613	1.0	28	55	1.5	-	133	0.4	1	1
One-time exp.-fumes	85	1.6	1,583	0.6	19	55	1.5	-	133	0.4	2	20
Total	5,368	100	252,323	100	47	3,672	100	16	32,419	100	6	35

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

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TABLE 4-2 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY, BY RAILROAD, 2007

RR	Total		Deaths		Nonfatal		Days Absent			Absent Cases		Term./	Days Restricted			Hazmat
	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Avg.	Cnt	%	Cnt	Cnt	%	Avg.	Exp. Cnt
ALS	4	0.1	-	0.0	4	0.1	3	0.0	1	1	0.0	-	60	0.2	15	-
ARR	30	0.6	-	0.0	30	0.6	393	0.2	13	18	0.5	-	72	0.2	2	-
ATK	485	9.0	1	5.9	484	9.0	21,988	8.7	45	287	7.8	-	2,977	9.2	6	-
BNSF	841	15.7	4	23.5	837	15.6	37,137	14.7	44	575	15.7	2	5,651	17.4	7	12
BRC	12	0.2	-	0.0	12	0.2	137	0.1	11	8	0.2	-	19	0.1	2	-
CN	218	4.1	1	5.9	217	4.1	12,181	4.8	56	167	4.5	1	128	0.4	1	3
CP	85	1.6	-	0.0	85	1.6	4,437	1.8	52	64	1.7	2	250	0.8	3	-
CRSH	19	0.4	-	0.0	19	0.4	1,352	0.5	71	15	0.4	-	0	0.0	0	-
CSX	408	7.6	1	5.9	407	7.6	33,649	13.3	82	339	9.2	2	382	1.2	1	3
DME	38	0.7	-	0.0	38	0.7	1,920	0.8	51	33	0.9	2	302	0.9	8	-
FEC	14	0.3	-	0.0	14	0.3	1,461	0.6	104	11	0.3	-	10	0.0	1	-
GRS	22	0.4	-	0.0	22	0.4	515	0.2	23	13	0.4	-	52	0.2	2	-
IAIS	3	0.1	-	0.0	3	0.1	292	0.1	97	3	0.1	-	0	0.0	0	-
IHB	11	0.2	1	5.9	10	0.2	683	0.3	62	7	0.2	-	0	0.0	0	-
KCS	57	1.1	-	0.0	57	1.1	415	0.2	7	15	0.4	-	1,691	5.2	30	-
LI	170	3.2	1	5.9	169	3.2	3,046	1.2	18	146	4.0	-	3,564	11.0	21	-
MACZ	1	0.0	-	0.0	1	0.0	4	0.0	4	1	0.0	-	91	0.3	91	-
MBTA	59	1.1	2	11.8	57	1.1	675	0.3	11	35	1.0	-	0	0.0	0	-
MMA	13	0.2	-	0.0	13	0.2	86	0.0	7	5	0.1	-	60	0.2	5	-
MNCW	179	3.3	-	0.0	179	3.3	3,939	1.6	22	71	1.9	-	1,932	6.0	11	-
MRL	31	0.6	-	0.0	31	0.6	957	0.4	31	20	0.5	-	1,231	3.8	40	-
NICD	5	0.1	-	0.0	5	0.1	93	0.0	19	4	0.1	-	205	0.6	41	-
NIRC	96	1.8	-	0.0	96	1.8	3,274	1.3	34	69	1.9	-	198	0.6	2	-
NJTR	117	2.2	-	0.0	117	2.2	5,003	2.0	43	109	3.0	-	0	0.0	0	-
NS	378	7.0	2	11.8	376	7.0	33,885	13.4	90	295	8.0	-	477	1.5	1	5
PAL	5	0.1	-	0.0	5	0.1	319	0.1	64	4	0.1	-	0	0.0	0	-
PATH	113	2.1	-	0.0	113	2.1	1,102	0.4	10	109	3.0	-	0	0.0	0	-
PCMZ	12	0.2	-	0.0	12	0.2	266	0.1	22	9	0.2	-	160	0.5	13	-
PTRA	22	0.4	-	0.0	22	0.4	437	0.2	20	22	0.6	-	14	0.0	1	-
SCAX	4	0.1	-	0.0	4	0.1	54	0.0	14	3	0.1	-	6	0.0	2	-
SEPA	271	5.0	-	0.0	271	5.1	12,595	5.0	46	211	5.7	1	17	0.1	0	1
TRRA	2	0.0	-	0.0	2	0.0	240	0.1	120	2	0.1	-	60	0.2	30	-
UP	1,006	18.7	3	17.6	1,003	18.7	62,784	24.9	62	659	17.9	6	9,161	28.3	9	7
URR	5	0.1	-	0.0	5	0.1	42	0.0	8	1	0.0	-	225	0.7	45	-
WE	7	0.1	-	0.0	7	0.1	10	0.0	1	3	0.1	-	53	0.2	8	-
WSOR	16	0.3	-	0.0	16	0.3	107	0.0	7	10	0.3	-	147	0.5	9	-
XXXX	609	11.3	1	5.9	608	11.4	6,842	2.7	11	328	8.9	-	3,224	9.9	5	4
Tot.	5,368	100	17	100	5,351	100	252,323	100	47	3,672	100	16	32,419	100	6	35

XXXX = All other railroads

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TABLE 4-3 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY, BY STATE, 2007

	Total		Deaths		Nonfatal		Days Absent			Absent Cases		Term./	Days Restricted			Hazmat
	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Avg.	Cnt	%	Cnt	Cnt	%	Avg.	Exp. Cnt
AL	82	1.5	-	0.0	82	1.5	4,906	1.9	60	56	1.5	-	77	0.2	1	1
AK	48	0.9	-	0.0	48	0.9	483	0.2	10	34	0.9	-	72	0.2	2	-
AZ	76	1.4	1	5.9	75	1.4	3,942	1.6	52	59	1.6	-	692	2.1	9	-
AR	78	1.5	-	0.0	78	1.5	3,736	1.5	48	48	1.3	-	617	1.9	8	-
CA	333	6.2	4	23.5	329	6.1	13,227	5.2	40	209	5.7	3	2,877	8.9	9	1
CO	81	1.5	-	0.0	81	1.5	3,127	1.2	39	51	1.4	-	693	2.1	9	3
CT	84	1.6	-	0.0	84	1.6	3,452	1.4	41	42	1.1	-	412	1.3	5	-
DE	38	0.7	-	0.0	38	0.7	1,494	0.6	39	18	0.5	-	359	1.1	9	-
DC	56	1.0	-	0.0	56	1.0	1,388	0.6	25	22	0.6	-	138	0.4	2	-
FL	83	1.5	-	0.0	83	1.6	5,876	2.3	71	61	1.7	-	336	1.0	4	-
GA	93	1.7	-	0.0	93	1.7	6,300	2.5	68	66	1.8	-	142	0.4	2	-
ID	48	0.9	-	0.0	48	0.9	2,232	0.9	47	27	0.7	-	537	1.7	11	1
IL	439	8.2	1	5.9	438	8.2	24,206	9.6	55	315	8.6	1	1,860	5.7	4	-
IN	121	2.3	1	5.9	120	2.2	6,660	2.6	55	78	2.1	-	672	2.1	6	-
IA	97	1.8	-	0.0	97	1.8	4,119	1.6	42	63	1.7	2	591	1.8	6	-
KS	132	2.5	-	0.0	132	2.5	5,940	2.4	45	79	2.2	-	1,411	4.4	11	7
KY	74	1.4	2	11.8	72	1.3	7,033	2.8	95	64	1.7	-	79	0.2	1	5
LA	94	1.8	-	0.0	94	1.8	5,416	2.1	58	68	1.9	-	1,259	3.9	13	3
ME	27	0.5	-	0.0	27	0.5	369	0.1	14	14	0.4	-	95	0.3	4	-
MD	52	1.0	-	0.0	52	1.0	3,778	1.5	73	39	1.1	-	383	1.2	7	-
MA	101	1.9	3	17.6	98	1.8	2,358	0.9	23	62	1.7	-	104	0.3	1	-
MI	81	1.5	-	0.0	81	1.5	4,218	1.7	52	59	1.6	-	98	0.3	1	1
MN	121	2.3	-	0.0	121	2.3	4,957	2.0	41	71	1.9	2	665	2.1	5	-
MS	37	0.7	-	0.0	37	0.7	2,519	1.0	68	26	0.7	-	31	0.1	1	-
MO	119	2.2	-	0.0	119	2.2	5,208	2.1	44	80	2.2	-	841	2.6	7	-
MT	88	1.6	-	0.0	88	1.6	4,321	1.7	49	55	1.5	-	1,742	5.4	20	-
NE	151	2.8	-	0.0	151	2.8	7,179	2.8	48	96	2.6	1	975	3.0	6	3
NV	19	0.4	-	0.0	19	0.4	540	0.2	28	9	0.2	-	112	0.3	6	-
NH	3	0.1	-	0.0	3	0.1	11	0.0	4	2	0.1	-	0	0.0	0	-
NJ	252	4.7	-	0.0	252	4.7	8,252	3.3	33	228	6.2	-	237	0.7	1	1
NM	32	0.6	-	0.0	32	0.6	1,358	0.5	42	22	0.6	-	157	0.5	5	-
NY	458	8.5	1	5.9	457	8.5	12,381	4.9	27	309	8.4	-	5,407	16.7	12	-
NC	36	0.7	-	0.0	36	0.7	1,684	0.7	47	23	0.6	-	50	0.2	1	-
ND	40	0.7	-	0.0	40	0.7	1,455	0.6	36	30	0.8	-	244	0.8	6	-
OH	152	2.8	2	11.8	150	2.8	11,500	4.6	76	118	3.2	1	288	0.9	2	2
OK	60	1.1	1	5.9	59	1.1	1,734	0.7	29	32	0.9	-	317	1.0	5	-
OR	64	1.2	-	0.0	64	1.2	3,043	1.2	48	42	1.1	-	964	3.0	15	-
PA	426	7.9	-	0.0	426	8.0	19,887	7.9	47	301	8.2	2	668	2.1	2	1
RI	8	0.1	-	0.0	8	0.1	273	0.1	34	5	0.1	-	132	0.4	17	-
SC	29	0.5	-	0.0	29	0.5	1,724	0.7	59	21	0.6	-	61	0.2	2	-
SD	17	0.3	-	0.0	17	0.3	1,006	0.4	59	14	0.4	-	207	0.6	12	1
TN	66	1.2	-	0.0	66	1.2	3,365	1.3	51	50	1.4	-	99	0.3	2	-
TX	427	8.0	-	0.0	427	8.0	25,015	9.9	59	311	8.5	2	3,005	9.3	7	3
UT	33	0.6	-	0.0	33	0.6	1,255	0.5	38	16	0.4	-	427	1.3	13	-
VT	22	0.4	-	0.0	22	0.4	76	0.0	3	7	0.2	-	161	0.5	7	-
VA	62	1.2	-	0.0	62	1.2	5,159	2.0	83	54	1.5	-	83	0.3	1	1
WA	124	2.3	-	0.0	124	2.3	3,499	1.4	28	74	2.0	-	1,245	3.8	10	-
WV	49	0.9	-	0.0	49	0.9	3,276	1.3	67	35	1.0	-	77	0.2	2	-
WI	83	1.5	-	0.0	83	1.6	2,907	1.2	35	56	1.5	2	398	1.2	5	1
WY	72	1.3	1	5.9	71	1.3	4,479	1.8	62	51	1.4	-	322	1.0	4	-
Tot.	5,368	100	17	100	5,351	100	252,323	100	47	3,672	100	16	32,419	100	6	35

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TABLE 4-4 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY BY ACTIVITY, 2007

Activity	Total		Days Absent		Absent Cases		Term./	Days		Hazmat
	Cnt	%	Cnt	%	Cnt	%	Trans. Cnt	Restricted Cnt	%	Exp. Cnt
Adjusting coupler	17	0.3	1,521	0.6	12	0.3	-	1	0.0	-
Adjusting drawbar	21	0.4	1,461	0.6	16	0.4	-	380	1.2	-
Adjusting, other	34	0.6	832	0.3	18	0.5	-	125	0.4	-
Applying rail anchor/fastener	20	0.4	365	0.1	8	0.2	-	28	0.1	-
Bending, stooping	102	1.9	5,033	2.0	73	2.0	-	690	2.1	-
Carrying	55	1.0	3,214	1.3	42	1.1	1	321	1.0	-
Chaining, cabling car or locomotiv	3	0.1	186	0.1	2	0.1	-	0	0.0	-
Cleaning	59	1.1	1,765	0.7	31	0.8	-	153	0.5	1
Climbing over/on	68	1.3	3,116	1.2	49	1.3	-	388	1.2	-
Closing	66	1.2	1,470	0.6	37	1.0	-	465	1.4	-
Coupling electric cables	2	0.0	7	0.0	2	0.1	-	0	0.0	-
Coupling air hose	48	0.9	2,511	1.0	37	1.0	-	300	0.9	1
Crossing over	18	0.3	1,209	0.5	13	0.4	-	175	0.5	-
Crossing or crawling under	2	0.0	12	0.0	2	0.1	-	21	0.1	-
Crossing between	4	0.1	474	0.2	4	0.1	-	1	0.0	-
Cutting rail	12	0.2	859	0.3	8	0.2	-	0	0.0	-
Cutting vegetation	26	0.5	325	0.1	12	0.3	-	3	0.0	-
Cutting, other	55	1.0	621	0.2	24	0.7	-	108	0.3	-
Digging, excavating	16	0.3	635	0.3	11	0.3	-	94	0.3	-
Driving (motor vehicle, forklift,	139	2.6	5,951	2.4	94	2.6	2	483	1.5	-
Flagging	5	0.1	24	0.0	2	0.1	-	0	0.0	-
Fueling	5	0.1	210	0.1	4	0.1	-	0	0.0	-
Getting on	66	1.2	2,981	1.2	53	1.4	-	793	2.4	-
Getting off	127	2.4	6,341	2.5	100	2.7	-	1,330	4.1	-
Grinding	30	0.6	21	0.0	5	0.1	-	105	0.3	-
Handling baggage	13	0.2	590	0.2	10	0.3	-	18	0.1	-
Handling car parts	17	0.3	347	0.1	8	0.2	-	139	0.4	-
Handling material, general	41	0.8	1,502	0.6	20	0.5	-	87	0.3	-
Handling locomotive parts	13	0.2	137	0.1	4	0.1	-	84	0.3	-
Handling wheels/trucks	10	0.2	241	0.1	6	0.2	-	83	0.3	-
Handling, other	69	1.3	2,031	0.8	44	1.2	1	194	0.6	-
Handling other track material/supp	29	0.5	779	0.3	13	0.4	-	247	0.8	-
Handling poles	1	0.0	2	0.0	1	0.0	-	30	0.1	-
Handling tie plates	15	0.3	496	0.2	9	0.2	-	49	0.2	-
Handling ties	24	0.4	605	0.2	11	0.3	-	276	0.9	1
Handling rail	17	0.3	378	0.1	12	0.3	-	98	0.3	-
Inspecting	54	1.0	1,829	0.7	34	0.9	-	164	0.5	-
Installing	55	1.0	1,434	0.6	32	0.9	-	237	0.7	-
Jumping from	34	0.6	2,986	1.2	26	0.7	-	396	1.2	-
Jumping onto	3	0.1	68	0.0	1	0.0	-	1	0.0	-
Laying	4	0.1	232	0.1	4	0.1	-	22	0.1	-
Lifting other material	96	1.8	3,683	1.5	69	1.9	-	1,110	3.4	-
Lifting equipment (tools, parts, e	100	1.9	4,647	1.8	67	1.8	-	932	2.9	-
Lining switches	138	2.6	9,995	4.0	116	3.2	1	656	2.0	1
Lining, other	4	0.1	189	0.1	3	0.1	-	5	0.0	-
Loading/unloading	54	1.0	1,891	0.7	33	0.9	-	246	0.8	-
Maintaining	67	1.2	1,368	0.5	36	1.0	-	228	0.7	-
Opening	93	1.7	3,859	1.5	63	1.7	-	209	0.6	-
Opening/closing angle cock	14	0.3	283	0.1	4	0.1	-	69	0.2	-
Operating	181	3.4	10,818	4.3	134	3.6	2	1,091	3.4	-
Pulling pin lifter/operating uncou	36	0.7	3,097	1.2	31	0.8	-	177	0.5	-

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

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TABLE 4-4 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY BY ACTIVITY, 2007

Activity	Total		Days Absent		Absent Cases		Term./ Trans. Cnt	Days Restricted		Hazmat Exp. Cnt
	Cnt	%	Cnt	%	Cnt	%		Cnt	%	
Pulling	130	2.4	6,819	2.7	93	2.5	-	1,463	4.5	1
Pushing	52	1.0	2,475	1.0	41	1.1	-	452	1.4	-
Reaching	69	1.3	2,508	1.0	41	1.1	1	501	1.5	-
Removing rail anchors/fasteners	22	0.4	785	0.3	16	0.4	-	43	0.1	-
Repairing	67	1.2	1,801	0.7	29	0.8	-	204	0.6	-
Riding	315	5.9	18,639	7.4	258	7.0	2	1,047	3.2	6
Running	14	0.3	441	0.2	8	0.2	-	132	0.4	-
Sitting	210	3.9	10,728	4.3	153	4.2	1	606	1.9	4
Spiking (installation/removal)	58	1.1	1,345	0.5	31	0.8	-	340	1.0	-
Standing	362	6.7	13,542	5.4	188	5.1	2	1,019	3.1	15
Stepping up	44	0.8	1,234	0.5	30	0.8	-	201	0.6	-
Stepping down	174	3.2	9,583	3.8	140	3.8	-	1,808	5.6	-
Stepping over	46	0.9	2,217	0.9	35	1.0	-	386	1.2	-
Uncoupling air hose	12	0.2	434	0.2	6	0.2	-	85	0.3	-
Uncoupling steam hose	1	0.0	0	0.0	-	-	-	0	0.0	-
Uncoupling electric cables	5	0.1	484	0.2	4	0.1	-	15	0.0	-
Using hand tool	146	2.7	3,779	1.5	72	2.0	-	1,470	4.5	-
Using, other	19	0.4	374	0.1	6	0.2	-	107	0.3	-
Walking	879	16.4	49,541	19.6	669	18.2	2	6,429	19.8	4
Welding (includes field welding)	30	0.6	332	0.1	15	0.4	-	76	0.2	-
Handbrakes, applying	97	1.8	7,426	2.9	83	2.3	-	496	1.5	-
Handbrakes, releasing	51	1.0	3,842	1.5	42	1.1	-	338	1.0	-
Handbrakes, other	2	0.0	53	0.0	2	0.1	-	40	0.1	-
Derail, applying	7	0.1	476	0.2	6	0.2	-	169	0.5	-
Derail, removing	5	0.1	330	0.1	5	0.1	-	30	0.1	-
Derail, other	1	0.0	2	0.0	1	0.0	-	0	0.0	-
Other (Narrative must be provided)	64	1.2	2,064	0.8	38	1.0	-	295	0.9	-
Replacing	39	0.7	1,811	0.7	27	0.7	-	275	0.8	-
Ascending	25	0.5	1,901	0.8	19	0.5	-	342	1.1	-
Descending	78	1.5	6,383	2.5	68	1.9	-	503	1.6	-
Exercising	3	0.1	200	0.1	2	0.1	-	0	0.0	-
Getting in	17	0.3	880	0.3	9	0.2	-	106	0.3	-
Getting out	26	0.5	1,203	0.5	18	0.5	1	51	0.2	-
Moving	21	0.4	443	0.2	9	0.2	-	160	0.5	-
Washing	8	0.1	32	0.0	5	0.1	-	0	0.0	-
Servicing	24	0.4	1,082	0.4	14	0.4	-	99	0.3	1
Sanding	8	0.1	1,055	0.4	8	0.2	-	0	0.0	-
Arresting/apprehending/subduing	21	0.4	304	0.1	12	0.3	-	49	0.2	-
Sleeping	3	0.1	9	0.0	1	0.0	-	17	0.1	-
Stepped on	25	0.5	976	0.4	15	0.4	-	252	0.8	-
Lying down	6	0.1	159	0.1	3	0.1	-	1	0.0	-
Total	5,368	100	252,323	100	3,672	100	16	32,419	100	35

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

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TABLE 4-5 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY BY EVENT, 2007

Event	Total		Days Absent		Absent Cases		Term./ Trans. Cnt	Days Restricted		Hazmat Exp. Cnt
	Cnt	%	Cnt	%	Cnt	%		Cnt	%	
Aggravated pre-existing condition	69	1.3	3,150	1.2	54	1.5	-	542	1.7	-
Apprehending/removing from property	11	0.2	263	0.1	7	0.2	-	0	0.0	-
Assaulted by other	38	0.7	853	0.3	25	0.7	-	183	0.6	-
Assaulted by coworker	8	0.1	76	0.0	5	0.1	-	30	0.1	-
Bitten/stung by bee, spider, other insect	69	1.3	304	0.1	18	0.5	-	5	0.0	-
Bitten by animal	8	0.1	190	0.1	2	0.1	-	0	0.0	-
Bodily function/sudden movement, e.g., sneez	179	3.3	8,735	3.5	139	3.8	-	1,285	4.0	-
Caught in/compressed by hand tools	17	0.3	182	0.1	7	0.2	-	138	0.4	-
Caught in/compressed by other machinery	20	0.4	1,180	0.5	15	0.4	-	100	0.3	-
Caught in/crushed by materials	44	0.8	1,375	0.5	22	0.6	-	313	1.0	1
Caught in/compressed by powered hand tools	9	0.2	581	0.2	6	0.2	-	74	0.2	-
Cave in, slide, etc.	1	0.0	16	0.0	1	0.0	-	22	0.1	-
Climatic conditions, other (e.g., high wind	15	0.3	268	0.1	5	0.1	-	30	0.1	-
Climatic condition, exposure to environment	45	0.8	804	0.3	23	0.6	-	13	0.0	-
Collision - between on track equipment	96	1.8	6,581	2.6	75	2.0	2	416	1.3	-
Collision/impact - auto, truck, bus, van, e	230	4.3	11,755	4.7	180	4.9	-	959	3.0	-
Defective/malfunctioning equipment	83	1.5	6,033	2.4	66	1.8	-	522	1.6	2
Derailment	46	0.9	3,254	1.3	35	1.0	-	252	0.8	-
Electrical shock due to contact with 3rd ra	3	0.1	380	0.2	3	0.1	-	0	0.0	-
Electrical shock, other (explain in narrati	11	0.2	474	0.2	7	0.2	-	16	0.0	-
Electrical shock from hand tool	4	0.1	194	0.1	2	0.1	-	0	0.0	-
Exposure to fumes - inhalation	110	2.0	2,876	1.1	72	2.0	-	133	0.4	18
Exposure to chemicals - external	36	0.7	604	0.2	17	0.5	-	27	0.1	10
Exposure to poisonous plants	7	0.1	9	0.0	3	0.1	-	0	0.0	-
Exposure to noise over time	98	1.8	0	0.0	-	-	-	0	0.0	-
Exposure to noise - single incident	9	0.2	197	0.1	4	0.1	-	19	0.1	-
Exposure to welding light	7	0.1	14	0.0	6	0.2	-	3	0.0	-
Highway-rail collision/impact	107	2.0	8,409	3.3	92	2.5	-	731	2.3	-
Horseplay, practical joke, etc.	5	0.1	390	0.2	3	0.1	-	45	0.1	-
Lost balance	168	3.1	9,388	3.7	130	3.5	-	1,685	5.2	-
Missed handhold, grabiron, step, etc.	29	0.5	690	0.3	18	0.5	-	94	0.3	-
Needle puncture/prick/stick	11	0.2	20	0.0	1	0.0	-	24	0.1	-
Other impacts - on track equipment	17	0.3	1,239	0.5	14	0.4	1	25	0.1	-
Overexertion	663	12.4	41,694	16.5	534	14.5	1	5,605	17.3	-
Pushed/shoved into/against	22	0.4	1,656	0.7	19	0.5	-	185	0.6	-
Pushed/shoved onto	8	0.1	209	0.1	4	0.1	-	176	0.5	-
Pushed/shoved from	5	0.1	202	0.1	3	0.1	-	1	0.0	-
Ran into on-track equipment	6	0.1	195	0.1	4	0.1	-	10	0.0	-
Ran into object/equipment	24	0.4	756	0.3	14	0.4	2	156	0.5	-
Repetitive motion - work processes	57	1.1	2,944	1.2	41	1.1	-	290	0.9	-
Repetitive motion - typing, keyboard, etc.	2	0.0	0	0.0	-	-	-	1	0.0	-
Repetitive motion - tools	24	0.4	323	0.1	16	0.4	-	222	0.7	-
Repetitive motion - other (describe in narr	7	0.1	156	0.1	6	0.2	-	0	0.0	-
Rubbed, abraded, etc.	24	0.4	200	0.1	8	0.2	-	76	0.2	-
Shot	1	0.0	1	0.0	1	0.0	-	0	0.0	-
Slack action, draft, compressive buff/coupl	28	0.5	2,108	0.8	25	0.7	-	141	0.4	-
Slipped,fell,stumbled,etc. due to irregular	176	3.3	9,745	3.9	133	3.6	-	1,680	5.2	-
Slipped, fell, stumbled, etc. due to climat	207	3.9	11,625	4.6	155	4.2	-	1,475	4.5	-
Slipped,fell,stumbled,etc. on oil, grease,e	64	1.2	4,941	2.0	57	1.6	-	295	0.9	1

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TABLE 4-5 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY BY EVENT, 2007

Event	Total		Days Absent		Absent Cases		Term./	Days		Hazmat
	Cnt	%	Cnt	%	Cnt	%	Trans.	Cnt	%	Exp.
Slipped,fell,stumbled,etc. due to object,ba	287	5.3	19,145	7.6	229	6.2	1	1,995	6.2	-
Stabbing, knifing, etc.	8	0.1	23	0.0	4	0.1	-	0	0.0	-
Stepped on object	70	1.3	3,050	1.2	54	1.5	-	722	2.2	-
Struck by thrown or propelled object	71	1.3	898	0.4	32	0.9	-	389	1.2	-
Struck by object	294	5.5	8,002	3.2	164	4.5	1	1,101	3.4	-
Struck by on-track equipment	41	0.8	5,134	2.0	36	1.0	-	118	0.4	-
Struck by falling object	86	1.6	3,158	1.3	49	1.3	-	397	1.2	-
Struck against object	166	3.1	5,861	2.3	100	2.7	1	781	2.4	-
Sudden release of air	12	0.2	97	0.0	4	0.1	-	111	0.3	-
Sudden/unexpected movement of material	53	1.0	2,205	0.9	34	0.9	-	433	1.3	-
Sudden/unexpected movement of on-track equ	67	1.2	4,083	1.6	49	1.3	1	186	0.6	-
Sudden/unexpected movement of vehicle	50	0.9	3,168	1.3	42	1.1	-	333	1.0	-
Sustained viewing	1	0.0	180	0.1	1	0.0	-	0	0.0	-
Caught, crushed, pinched, other	211	3.9	5,571	2.2	120	3.3	1	1,604	4.9	-
On track equipment, other incidents	25	0.5	781	0.3	18	0.5	-	159	0.5	-
Slipped, fell, stumbled, other	406	7.6	23,894	9.5	304	8.3	4	3,161	9.8	-
Sudden, unexpected movement, other	129	2.4	8,067	3.2	88	2.4	1	820	2.5	1
Bumped	28	0.5	728	0.3	13	0.4	-	144	0.4	-
Burned	64	1.2	1,217	0.5	36	1.0	-	97	0.3	1
Blowing/falling debris	67	1.2	198	0.1	27	0.7	-	7	0.0	-
Sudden/Unexpected Movement of tools	53	1.0	2,342	0.9	27	0.7	-	607	1.9	-
Struck by Other Remote Control Locomotive	3	0.1	58	0.0	3	0.1	-	0	0.0	-
Caught Between Machinery	4	0.1	83	0.0	3	0.1	-	8	0.0	-
Slack adjustment during switching operation	11	0.2	1,042	0.4	10	0.3	-	84	0.3	-
Caught Between Equipment	23	0.4	2,094	0.8	16	0.4	-	160	0.5	-
Caught Between Material	9	0.2	25	0.0	3	0.1	-	128	0.4	1
Other (describe in narrative)	201	3.7	3,980	1.6	129	3.5	-	875	2.7	-
Total	5,368	100	252,323	100	3,672	100	16	32,419	100	35

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TABLE 4-6 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY BY LOCATION, 2007

Location	Total		Days Absent		Absent Cases		Term./ Trans. Cnt	Days Restricted		Hazmat Exp. Cnt
	Cnt	%	Cnt	%	Cnt	%		Cnt	%	
Main/branch	1,654	30.8	82,494	32.7	1,167	31.8	7	10,132	31.3	10
Yard	1,597	29.8	88,760	35.2	1,170	31.9	8	10,450	32.2	17
Siding	157	2.9	7,231	2.9	107	2.9	-	1,164	3.6	-
Industry	250	4.7	13,080	5.2	184	5.0	1	1,445	4.5	5
Repair	148	2.8	4,355	1.7	75	2.0	-	1,200	3.7	-
Break/lunch room	32	0.6	1,148	0.5	19	0.5	-	135	0.4	-
Freight terminal	33	0.6	2,204	0.9	30	0.8	-	87	0.3	2
Highway/roadway	232	4.3	12,113	4.8	180	4.9	-	907	2.8	-
Loading dock	17	0.3	126	0.0	8	0.2	-	381	1.2	-
Lodging facility	4	0.1	111	0.0	3	0.1	-	61	0.2	-
Office environment	97	1.8	2,811	1.1	51	1.4	-	324	1.0	-
Parking lot	73	1.4	3,509	1.4	48	1.3	-	326	1.0	-
Passenger terminal	366	6.8	8,899	3.5	200	5.4	-	1,431	4.4	-
Repair shop	524	9.8	18,730	7.4	305	8.3	-	3,258	10.0	-
Storage facility	51	1.0	2,610	1.0	42	1.1	-	363	1.1	-
Sidewalk/walkway	31	0.6	1,025	0.4	23	0.6	-	284	0.9	-
Other, (off site location	43	0.8	1,777	0.7	27	0.7	-	84	0.3	-
Other (explain in narrati	23	0.4	378	0.1	15	0.4	-	157	0.5	1
Other location (describe	36	0.7	962	0.4	18	0.5	-	230	0.7	-
Total	5,368	100	252,323	100	3,672	100	16	32,419	100	35

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

2/ Term = terminated, Trans = transferred

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TABLE 4-7 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY, BY JOB, 2007
Executives, Officials, and Staff Assistants

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Executives, officials, and staff assistants (miscellaneous)	-	4	-	6	9
Executives and general officers	-	2	-	28	18
Corporate staff managers	-	3	-	4	0
Regional/division officers, assistants and staff assistants	-	12	-	166	51
Transportation officers/managers	-	5	-	6	0
Total	-	26	-	210	78

Professional and Administrative

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Professional and administrative (miscellaneous)	-	1	-	2	0
Professional	-	11	-	261	31
Subprofessionals	-	13	-	40	25
Auditors, traveling auditors or accountants	-	2	-	180	0
General and administrative supervisors	-	12	1	207	32
Sales and traffic representatives and agents	-	5	-	180	0
Freight and other claim agents and investigators	-	1	-	0	0
Lieutenants and sergeants of police	-	7	-	360	0
Police officers, watchmen, guards (except crossing & bridge)	-	42	1	1,663	185
Inspectors, (except MOW & MOE), other investigators, etc	-	4	-	214	21
Buyers, and sales agents	-	2	-	80	0
Clerical technicians and clerical specialists	-	24	-	989	73
Office machine and data equipment operators	-	1	3	0	0
Secretaries, stenographers, and typists	-	5	-	8	35
General/other clerks (except yd clerk and crew dispatcher)	-	23	1	192	41
Telephone and switchboard operators	-	2	-	0	0
Building and office attendants	-	16	-	603	132
Messengers and office persons	-	1	1	12	0
Motor vehicle operators	-	49	1	1,661	360
Total	-	221	8	6,652	935

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TABLE 4-7 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY, BY JOB, 2007

Maintenance of Way and Structures

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Maintenance of way and structures (miscellaneous)	-	15	2	609	19
Supervisors, MOW, structures, communication & signals	-	29	2	559	352
MOW, structures, comm. & signals, & scale inspectors	-	24	3	704	214
Bridge and building gang foreman	1	18	4	1,041	73
Bridge and building carpenters	-	48	2	2,193	418
Bridge and building ironworkers	-	8	1	252	73
Bridge and building painters	-	7	-	194	0
Masons, bricklayers, plasterers, and plumbers	1	69	5	3,098	362
Bridge and building helpers and apprentices	-	21	-	837	259
Bridge/building gang and bridge/building dept laborers	-	45	1	1,527	245
Track gang foremen (extra gang work train laborers)	1	52	2	3,253	261
Gang or section foreman	2	74	6	2,633	573
Extra gang laborers	-	96	11	3,285	721
Section laborers	-	304	8	10,894	1,609
Machine operators	1	226	6	11,068	1,610
Gang foremen, communications and signals	-	14	2	455	429
Signalmen and signal maintainers	-	144	7	4,863	979
Linemen and groundmen and communications craftsman	-	40	5	1,804	200
Assistant signalmen and assistant signal maintainers	-	22	1	639	179
Signal helpers and signal maintainer helpers	-	22	3	868	119
Camp car cooks	-	1	-	0	0
Total	6	1,279	71	50,776	8,695

Maintenance of Equipment and Stores

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Maintenance of equipment and stores (miscellaneous)	-	22	-	464	232
Supervisors and general foremen, maintenance of equipment	-	21	-	315	223
Supervisors and general foremen, materials and stores	-	2	1	202	28
Equipment, shop, electrical inspectors	-	11	-	641	130
Materials and supplies inspectors	-	1	-	12	22
Storekeeper	-	11	1	310	20
Gang foremen, maintenance of equipment	-	22	1	1,626	370
Blacksmiths	-	2	-	1	32
Boilermakers	-	9	-	477	91
Carmen (freight)	-	206	6	9,771	1,792
Carmen (other)	-	118	1	3,281	1,164
Electrical workers (A)	1	139	4	5,870	903
Electrical workers (B)	-	8	-	61	24
Electrical workers (C)	-	6	-	99	7
Machinists	-	191	4	6,981	1,546
Sheet metal workers	-	36	4	1,429	122
Skilled trades, helpers, maintenance of equipment and stores	-	63	1	1,199	249
Apprentices, maintenance of equipment and stores	-	14	-	159	25

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TABLE 4-7 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY, BY JOB, 2007

Maintenance of Equipment and Stores

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Coach cleaners	-	83	3	2,817	279
Laborers: shops, enginehouses and power plants	-	87	1	4,000	638
Equipment operators/general laborers, materials and stores	-	19	-	1,130	119
Stationary engineers	-	3	-	273	0
Total	1	1,074	27	41,118	8,016

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)	-	3	1	17	1
Transportation supervisor and chief train dispatcher	-	-	1	0	0
Train dispatchers	-	1	1	180	0
Station, freight and passenger agents	-	10	1	163	8
Chief operators and wire chiefs	-	1	-	21	0
Clerk operators, towerman, train directors	-	6	-	294	1
Station masters & assts, super bag. agents, bag. agents, etc	-	1	2	6	0
Baggage, parcel room and station attendants	-	10	-	595	109
Gen/asst gnrl foremen,stations,warehouses,grain elev., docks	-	1	-	0	0
Grain elevator, and dock laborers	-	1	-	0	0
Station, and warehouse laborers	-	14	-	564	172
Truckers (station, warehouse and platforms)	-	13	-	217	247
Transportation and dining-service inspectors	-	1	-	13	0
Waiters and kitchen helpers (restaurant and dining car)	-	1	-	2	5
Chefs and cooks (restaurant and dining car)	-	7	-	393	15
Marine officers and workers and shore workers	-	1	-	180	0
Train attendants	-	67	1	2,786	786
Bridge operators and helpers	-	1	-	0	0
Bridge and crossing flagmen and gatemen	-	1	-	0	0
Yards clerks	-	17	-	503	68
Yardmasters and assistant yardmasters	-	9	-	594	0
Total	-	166	7	6,528	1,412

Transportation, Train and Engine

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Transportation, train and engine (miscellaneous)	-	30	3	1,028	93
Switchtenders	-	28	-	2,079	77
Car retarder operators and ground service employees	-	1	-	180	0
Outside hostlers	-	12	-	701	304
Outside hostler helpers	-	4	-	296	66
Inside hostler	-	2	-	123	0
Road passenger conductors	1	242	19	10,357	1,164
Assistant road passenger conductors and ticket collectors	-	70	7	3,104	69
Road freight conductors (through freight)	2	437	15	30,701	2,784

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TABLE 4-7 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY, BY JOB, 2007
Transportation, Train and Engine

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Road freight conductors (local and way freight)	-	238	5	14,499	1,391
Road passenger baggage person	-	2	-	58	0
Road Passenger brakemen and flagmen	-	16	-	369	784
Road freight brakemen and flagmen (through freight)	-	33	1	2,600	328
Road freight brakemen and flagmen (local and way freight)	1	96	3	5,408	570
Yard conductors and yard foremen	2	251	4	15,908	585
Yard brakemen and yard helpers	1	175	5	9,838	1,353
Road passenger engineers and motormen	-	101	22	4,230	366
Road freight engineers (through freight)	1	288	11	23,389	1,446
Road freight engineers (local and way freight)	1	84	3	5,356	104
Yard engineers	-	109	7	7,705	554
Road passenger firemen and helpers	-	2	-	0	25
Road freight firemen and helpers (through freight)	-	3	-	46	55
Road freight firemen and helpers (local and way freight)	-	1	-	0	30
Yard firemen and helpers	-	2	-	184	0
Remote control locomotive operator -operating	1	63	-	4,277	501
Remote control locomotive operator - not operating	-	75	2	4,603	634
Total	10	2,365	107	147,039	13,283

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TABLE 4-8 OCCUPATIONAL ILLNESSES OF EMPLOYEE ON DUTY, 2007

Illness	Total Cnt	%	Kld	Nonfatal	Days Absent	Absent Cases	Term./ Trans.	Days Restricted	Hazmat Exp.
Dermatitis	3	1.4	-	3	113	1	-	0	-
Rashes	4	1.8	-	4	2	1	-	0	-
Pneumonitis	1	0.5	-	1	12	1	-	0	-
Acute congestion, dust/gas/etc.	3	1.4	-	3	35	2	-	0	1
Misc. respiratory conditions	2	0.9	-	2	1	1	-	0	-
Heat/sun stroke	3	1.4	-	3	185	2	-	175	-
Heat exhaustion	33	15.0	-	33	288	13	-	12	-
Freezing/frostbite	1	0.5	-	1	0	-	-	9	-
Noise induced hearing loss	98	44.5	-	98	0	-	-	0	-
Synovitis	21	9.5	-	21	1,982	20	-	140	-
Tenosynovitis	5	2.3	-	5	43	3	-	70	-
Bursitis	1	0.5	-	1	13	1	-	0	-
Carpal tunnel syndrome	6	2.7	-	6	295	4	-	17	-
Misc. repeated trauma condition	11	5.0	-	11	1,174	10	-	48	-
Stress related syndromes	13	5.9	-	13	657	12	-	0	-
Misc. illnesses, unclassified	2	0.9	-	2	2	1	-	0	-
Emotional trauma/nervous shock	13	5.9	-	13	619	10	-	0	-
Total	220	100	-	220	5,421	82	-	471	1

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TABLE 4-9 OCCUPATIONAL ILLNESSES OF EMPLOYEE ON DUTY, BY RAILROAD, 2007

RR	Total		Kld	Nonfatal	Days Absent			Absent Cases		Term./ Trans.	Days Restricted			Hazmat Exp.
	Cnt	%			Cnt	%	Avg.	Cnt	%		Cnt	%	Avg.	Cnt
ATK	114	51.8	-	114	881	16.3	8	13	15.9	-	1	0.2	0	-
BNSF	42	19.1	-	42	2,965	54.7	71	32	39.0	-	140	29.7	3	1
CN	2	0.9	-	2	12	0.2	6	1	1.2	-	0	0.0	0	-
CP	1	0.5	-	1	0	0.0	0	-	-	-	0	0.0	0	-
CSX	7	3.2	-	7	322	5.9	46	3	3.7	-	0	0.0	0	-
KCS	4	1.8	-	4	18	0.3	5	3	3.7	-	175	37.2	44	-
LI	2	0.9	-	2	11	0.2	6	2	2.4	-	37	7.9	19	-
MBTA	2	0.9	-	2	64	1.2	32	1	1.2	-	0	0.0	0	-
MNCW	1	0.5	-	1	0	0.0	0	-	-	-	0	0.0	0	-
NJTR	1	0.5	-	1	2	0.0	2	1	1.2	-	0	0.0	0	-
NS	2	0.9	-	2	193	3.6	97	2	2.4	-	0	0.0	0	-
PAL	1	0.5	-	1	2	0.0	2	1	1.2	-	0	0.0	0	-
PATH	1	0.5	-	1	23	0.4	23	1	1.2	-	0	0.0	0	-
SCAX	1	0.5	-	1	14	0.3	14	1	1.2	-	0	0.0	0	-
UP	26	11.8	-	26	839	15.5	32	14	17.1	-	97	20.6	4	-
WSOR	1	0.5	-	1	0	0.0	0	-	-	-	0	0.0	0	-
XXXX	12	5.5	-	12	75	1.4	6	7	8.5	-	21	4.5	2	-
Tot.	220	100	-	220	5,421	100	25	82	100	-	471	100	2	1

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CHAPTER 5

TRAIN ACCIDENTS

Collisions, derailments, fires, explosions, acts of God, or other events involving the operation of railroad on-track equipment (standing or moving) and causing reportable damages greater than the reporting threshold for the year in which the accident/incident occurred must be reported using Form FRA F 6180.54. The reporting threshold for calendar years 1992-1996 was \$6,300. The reporting threshold for calendar year 1998 was \$6,600, in 2005 it was \$6,700, in 2006 it was \$7,700, and in 2007 it was \$8,200.

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

If the property of more than one railroad is involved in an accident/incident, the reporting threshold is calculated by including the damages suffered by all 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 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, whether there is agreement on the cause of the accident or not.

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

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

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

A railroad need not report the following:

1. Cars derailed on industry tracks by 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.

Car. A unit of on-track equipment, either: (1) equipment designed to be hauled by locomotives, or (2) equipment such as a track motor car, highway-rail vehicle, push car, crane, or ballast tamping machine.

Equipment consist. A train, locomotive(s), cut of cars, or a single car not coupled to another car or locomotive.

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 motor cars 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 running in connection with maintenance and improvement work, and material and supply trains running in connection with operations.

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TABLE 5-1 TRAIN ACCIDENTS BY RR, TYPE AND MAJOR CAUSE, 2007

Railroad	Total		Type of Accident				Reportable Damage	Casualties		Causes						
	Cnt	%	Coll	Der	HRC	Othr		Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk	
Alton & Southern	13	0.4	1	9	-	3	590,573	-	-	-	-	3	5	4	1	
Alaska RR Corp.	1	0.0	-	1	-	-	20,375	-	-	-	-	-	-	-	-	1
Amtrak	115	3.6	3	29	31	52	5,837,897	25	215	20	31	18	21	1	24	
Burlington Northern Santa Fe	669	20.9	31	474	52	112	97,062,516	7	55	70	52	264	78	6	199	
Belt Rwy Of Chicago	14	0.4	4	10	-	-	363,374	-	-	1	-	6	4	1	2	
Canadian National	114	3.6	13	67	8	26	6,107,257	-	6	10	8	54	6	-	36	
Canadian Pacific	32	1.0	3	22	3	4	2,483,100	1	3	2	3	11	3	-	13	
Conrail Shared Assets	40	1.2	5	31	-	4	1,421,583	-	1	2	-	20	2	1	15	
CSX Transportation	363	11.3	59	226	32	46	40,145,434	5	13	47	32	123	44	10	107	
Dakota, Minnesota & Eastern	33	1.0	2	24	1	6	5,296,964	-	1	1	1	13	2	-	16	
Florida East Coast	13	0.4	-	8	2	3	269,549	-	-	-	2	1	3	-	7	
Guilford Rail System	3	0.1	-	3	-	-	199,100	-	-	-	-	1	-	-	2	
Other Railroads	378	11.8	16	320	12	30	28,709,844	4	14	44	12	117	25	1	179	
Indiana Harbor Belt	12	0.4	3	8	-	1	206,142	-	-	-	-	8	2	1	1	
Kansas City Southern	97	3.0	9	68	7	13	9,113,847	2	11	5	7	36	9	-	40	
Long Island Rail Road	5	0.2	3	1	-	1	235,925	-	-	-	-	4	1	-	-	
MD Assn. of Rail Comm	1	0.0	-	-	1	-	2,500	-	-	-	1	-	-	-	-	
Mass Bay Transit Auth.	5	0.2	2	-	1	2	777,553	2	10	1	1	3	-	-	-	
Montreal, Maine & Atlantic	7	0.2	-	6	-	1	347,863	-	-	2	-	2	-	-	3	
Metro North Commuter	40	1.2	1	3	1	35	1,588,300	-	9	16	1	5	10	-	8	
Montana Rail Link	11	0.3	2	8	-	1	904,181	-	-	1	-	5	-	-	5	
Northern IN Comm Trans	4	0.1	1	1	1	1	254,594	-	5	-	1	2	1	-	-	
Northeast IL Reg Comm	10	0.3	1	8	-	1	280,387	-	10	1	-	4	1	-	4	
New Jersey Transit Rail	41	1.3	1	15	3	22	1,244,758	3	5	4	3	21	4	-	9	
Norfolk Southern Corp.	273	8.5	31	162	30	50	19,690,776	2	23	31	30	101	35	4	72	
Paducah & Louisville	5	0.2	-	5	-	-	574,345	-	1	1	-	3	1	-	-	
Port Auth Trans Hudson	7	0.2	1	3	-	3	1,028,607	-	10	3	-	3	1	-	-	
Peninsula Comm San Mateo Cnty	3	0.1	-	2	1	-	120,655	1	-	-	1	1	-	-	1	
Port Terminal RR Assn	8	0.2	3	4	-	1	268,700	-	-	-	-	6	1	-	1	
Southern CA Reg Rail Auth.	5	0.2	-	-	5	-	89,524	2	1	-	5	-	-	-	-	
Southeastern PA Trans.	20	0.6	-	3	3	14	566,831	1	17	6	3	2	2	6	1	
Term RR Assn Of St. Louis	8	0.2	-	7	-	1	149,127	-	-	-	-	6	2	-	-	
Union Pacific	827	25.8	38	544	105	140	93,270,521	23	106	82	105	262	106	18	254	
Union RR (Pittsburgh)	2	0.1	-	2	-	-	18,633	-	-	-	-	-	1	-	1	
Wheeling & Lake Erie	14	0.4	-	11	2	1	563,068	-	2	-	2	3	-	-	9	
Wisconsin & Southern RR	11	0.3	-	9	1	1	851,461	-	-	1	1	1	-	-	8	

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, 2007

State	Total		Type of Accident				Reportable Damage		Casualties			Causes					
	Accs	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk	
Alabama	74	2.5	9	54	4	7	9,038,209	2.8	1	11	9	4	20	7	1	33	
Alaska	1	0.0	-	1	-	-	20,375	0.0	-	-	-	-	-	-	-	1	
Arizona	29	1.0	1	19	7	2	1,450,837	0.5	-	7	4	7	9	3	-	6	
Arkansas	65	2.2	4	44	7	10	10,570,151	3.3	2	36	7	7	15	10	-	26	
California	177	6.1	8	112	22	35	22,996,325	7.2	21	47	8	22	76	20	1	50	
Colorado	78	2.7	-	58	4	16	8,310,539	2.6	1	7	7	4	30	9	-	28	
Connecticut	22	0.8	-	2	1	19	591,503	0.2	-	7	8	1	3	2	-	8	
Delaware	8	0.3	-	5	1	2	348,597	0.1	-	1	1	1	2	1	-	3	
Dist Of Columbi	8	0.3	-	5	-	3	495,830	0.2	-	-	1	-	4	1	-	2	
Florida	53	1.8	6	34	8	5	3,855,611	1.2	7	38	3	8	14	5	-	23	
Georgia	74	2.5	11	36	12	15	3,527,065	1.1	2	8	8	12	28	8	2	16	
Idaho	21	0.7	-	15	3	3	1,734,080	0.5	1	10	3	3	7	1	-	7	
Illinois	227	7.8	25	152	12	38	17,078,326	5.3	4	288	16	12	97	33	10	59	
Indiana	88	3.0	11	56	10	11	6,996,817	2.2	1	16	13	10	27	13	1	24	
Iowa	78	2.7	2	61	5	10	13,959,529	4.4	1	6	6	5	31	5	-	31	
Kansas	87	3.0	7	65	1	14	16,069,317	5.0	-	9	13	1	26	11	-	36	
Kentucky	49	1.7	5	32	6	6	6,350,529	2.0	2	4	9	6	21	3	-	10	
Louisiana	105	3.6	8	67	15	15	5,594,072	1.7	7	11	3	15	36	6	1	44	
Maine	9	0.3	-	8	-	1	395,763	0.1	-	-	2	-	2	-	-	5	
Maryland	20	0.7	4	8	3	5	853,050	0.3	1	-	7	3	7	2	-	1	
Massachusetts	17	0.6	2	5	1	9	1,271,146	0.4	4	20	5	1	5	3	-	3	
Michigan	38	1.3	3	32	1	2	1,701,990	0.5	-	3	3	1	19	3	-	12	
Minnesota	69	2.4	5	49	7	8	13,479,360	4.2	1	12	6	7	24	9	1	22	
Mississippi	42	1.4	2	29	5	6	3,637,835	1.1	2	9	3	5	12	4	-	18	
Missouri	71	2.4	4	51	8	8	11,585,630	3.6	1	12	10	8	16	6	1	30	
Montana	25	0.9	3	18	1	3	1,758,057	0.5	-	-	3	1	9	-	-	12	
Nebraska	109	3.7	2	74	8	25	33,452,770	10.4	1	4	20	8	37	11	4	29	
Nevada	7	0.2	-	5	-	2	367,914	0.1	-	-	-	-	3	2	-	2	
New Jersey	79	2.7	4	42	3	30	3,693,853	1.2	3	13	9	3	39	7	2	19	
New Mexico	24	0.8	3	15	3	3	4,898,779	1.5	2	3	5	3	10	1	-	5	
New York	81	2.8	15	29	1	36	7,612,055	2.4	-	18	12	1	29	19	1	19	
North Carolina	31	1.1	3	19	5	4	2,415,334	0.8	2	-	4	5	9	1	-	12	
North Dakota	31	1.1	1	24	3	3	6,557,783	2.0	1	2	3	3	9	1	-	15	
Ohio	103	3.5	9	69	7	18	9,894,705	3.1	-	3	18	7	33	11	3	31	
Oklahoma	77	2.6	1	61	6	9	8,249,788	2.6	4	8	4	6	20	13	1	33	
Oregon	40	1.4	-	36	1	3	2,455,157	0.8	-	2	5	1	13	4	-	17	
Pennsylvania	85	2.9	4	49	4	28	4,721,073	1.5	1	18	12	4	22	11	5	31	
Rhode Island	1	0.0	-	-	-	1	19,731	0.0	-	-	1	-	-	-	-	-	
South Carolina	27	0.9	2	17	6	2	4,862,258	1.5	-	7	2	6	9	2	-	8	
South Dakota	16	0.5	1	14	1	-	1,636,132	0.5	-	-	-	1	5	-	-	10	
Tennessee	62	2.1	10	35	2	15	4,925,263	1.5	-	2	5	2	27	9	4	15	
Texas	375	12.8	20	237	50	68	29,301,226	9.1	6	57	25	50	141	39	6	114	
Utah	39	1.3	1	28	3	7	3,131,883	1.0	-	1	5	3	16	6	3	6	
Vermont	2	0.1	-	2	-	-	581,719	0.2	-	-	1	-	-	-	-	1	
Virginia	42	1.4	7	28	1	6	5,771,899	1.8	-	4	9	1	12	7	2	11	
Washington	58	2.0	1	45	5	7	6,509,419	2.0	1	6	5	5	25	10	-	13	
West Virginia	24	0.8	1	21	1	1	3,768,328	1.2	-	1	5	1	8	4	-	6	
Wisconsin	29	1.0	-	23	3	3	2,810,552	0.9	1	-	2	3	5	3	-	16	
Wyoming	46	1.6	3	27	-	16	9,347,700	2.9	1	2	10	-	21	10	-	5	
Total	2,923	100	208	1,918	257	540	320,655,864	100.0	82	713	320	257	1,033	336	49	928	

TABLE 5-3 TRAIN ACCIDENTS BY MONTH, TYPE AND MAJOR CAUSE, 2007

Day	Total		Type of Accident				Reportable Damage		Casualties		Causes						
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk	
January	227	7.8	16	165	10	36	26,800,625	8.4	6	41	22	10	68	32	4	91	
February	240	8.2	11	166	20	43	25,896,112	8.1	2	40	42	20	75	26	4	73	
March	249	8.5	11	169	19	50	22,290,797	7.0	6	30	27	19	92	25	4	82	
April	219	7.5	22	145	22	30	27,418,477	8.6	3	23	23	22	71	27	-	76	
May	247	8.5	15	178	21	33	32,148,114	10.0	11	35	26	21	97	21	3	79	
June	228	7.8	9	149	16	54	29,734,481	9.3	5	20	24	16	81	41	4	62	
July	292	10.0	25	183	27	57	30,271,202	9.4	10	86	25	27	103	32	5	100	
August	253	8.7	25	161	24	43	20,171,220	6.3	9	33	21	24	100	24	3	81	
September	261	8.9	13	169	25	54	28,523,456	8.9	8	18	38	25	78	38	6	76	
October	266	9.1	21	163	32	50	24,351,307	7.6	10	72	26	32	108	20	6	74	
November	195	6.7	16	115	18	46	25,745,973	8.0	7	284	19	18	74	27	6	51	
December	246	8.4	24	155	23	44	27,304,100	8.5	5	31	27	23	86	23	4	83	
Total	2,923	100	208	1,918	257	540	320,655,864	100.0	82	713	320	257	1,033	336	49	928	

TABLE 5-4 TRAIN ACCIDENTS BY DAY, TYPE AND MAJOR CAUSE, 2007

Day	Total		Type of Accident				Reportable Damage		Casualties		Causes						
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk	
Sunday	370	12.7	21	258	16	75	42,386,553	13.2	6	33	55	16	128	49	6	116	
Monday	432	14.8	30	289	40	73	52,660,125	16.4	18	42	42	40	165	45	5	135	
Tuesday	417	14.3	25	270	37	85	46,301,634	14.4	14	102	43	37	134	48	2	153	
Wednesday	457	15.6	31	298	54	74	45,987,193	14.3	13	63	60	54	140	53	13	137	
Thursday	449	15.4	35	285	38	91	41,670,605	13.0	11	96	36	38	175	45	12	143	
Friday	448	15.3	37	292	51	68	41,916,798	13.1	11	316	47	51	165	47	4	134	
Saturday	350	12.0	29	226	21	74	49,732,956	15.5	9	61	37	21	126	49	7	110	
Total	2,923	100	208	1,918	257	540	320,655,864	100.0	82	713	320	257	1,033	336	49	928	

*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, 2007

Time	Total		Type of Accident				Reportable Damage		Casualties		Causes						
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk	
AM	1	110	3.8	9	77	2	22	7,163,884	2.2	3	5	7	2	59	12	1	29
	2	124	4.2	12	86	5	21	21,371,905	6.7	1	14	11	5	53	10	1	44
	3	120	4.1	11	84	1	24	26,782,596	8.4	-	9	13	1	54	17	1	34
	4	107	3.7	7	76	3	21	11,131,622	3.5	1	3	15	3	47	12	3	27
	5	117	4.0	11	86	4	16	18,777,041	5.9	1	2	19	4	42	15	3	34
	6	83	2.8	5	55	6	17	7,342,494	2.3	2	6	15	6	23	13	2	24
	7	113	3.9	4	66	21	22	13,711,942	4.3	3	15	15	21	29	8	4	36
	8	132	4.5	6	84	20	22	22,967,257	7.2	3	37	26	20	27	13	2	44
	9	119	4.1	8	70	16	25	9,673,391	3.0	3	20	9	16	43	11	1	39
	10	140	4.8	9	84	20	27	8,695,745	2.7	4	18	14	20	43	10	2	51
	11	131	4.5	15	75	16	25	14,770,831	4.6	4	288	12	16	43	7	3	50
	12	119	4.1	11	77	8	23	10,055,158	3.1	8	12	6	8	51	17	-	37
Sub	1,415	48.4	108	920	122	265	172,443,866	53.8	33	429	162	122	514	145	23	449	
PM	1	137	4.7	7	92	22	16	11,509,998	3.6	6	46	16	22	31	16	2	50
	2	146	5.0	7	95	20	24	13,795,723	4.3	10	27	16	20	39	16	4	51
	3	142	4.9	6	86	18	32	25,747,202	8.0	8	103	18	18	50	13	-	43
	4	130	4.4	10	83	15	22	14,002,554	4.4	4	21	13	15	34	14	2	52
	5	145	5.0	12	97	10	26	8,207,021	2.6	2	6	16	10	55	15	4	45
	6	115	3.9	7	77	8	23	10,406,823	3.2	3	3	11	8	44	16	3	33
	7	120	4.1	7	82	7	24	10,924,164	3.4	2	9	7	7	46	16	-	44
	8	118	4.0	9	84	4	21	7,354,133	2.3	-	8	10	4	49	26	1	28
	9	103	3.5	7	70	4	22	11,205,487	3.5	2	16	11	4	45	13	1	29
	10	125	4.3	11	81	4	29	12,271,199	3.8	4	3	20	4	45	22	3	31
	11	105	3.6	8	76	6	15	9,287,068	2.9	-	12	11	6	42	12	1	33
	12	122	4.2	9	75	17	21	13,500,626	4.2	8	30	9	17	39	12	5	40
Sub	1,508	51.6	100	998	135	275	148,211,998	46.2	49	284	158	135	519	191	26	479	
Total	2,923	100	208	1,918	257	540	320,655,864	100	82	713	320	257	1,033	336	49	928	

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, 2007

Type Accident	Total		Reportable Damage		Casualties			Causes					
	Cnt	%	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk	
Derailments	1,918	65.6	256,345,360	79.9	-	79	249	-	564	180	28	897	
Head on collision	10	0.3	4,154,288	1.3	4	36	-	-	9	1	-	-	
Rear end collision	13	0.4	3,799,487	1.2	4	280	-	-	13	-	-	-	
Side collision	148	5.1	16,246,806	5.1	-	27	1	-	131	10	3	3	
Raking collision	36	1.2	2,082,759	0.6	-	-	1	-	28	6	-	1	
Broken train coll.	1	0.0	19,834	0.0	-	-	1	-	-	-	-	-	
Highway-rail Impact	257	8.8	12,294,195	3.8	70	221	-	257	-	-	-	-	
Obstruction impact	75	2.6	4,671,950	1.5	3	16	1	-	10	61	-	3	
Fire/violent rupture	14	0.5	2,834,322	0.9	-	8	11	-	-	2	-	1	
Other impacts	312	10.7	13,199,824	4.1	-	39	10	-	238	48	12	4	
Other events	139	4.8	5,007,039	1.6	1	7	46	-	40	28	6	19	
Total	2,923	100	320,655,864	100	82	713	320	257	1,033	336	49	928	

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

TABLE 5-7 TRAIN ACCIDENTS BY SUBCAUSE AND TYPE, 2007

Causes	Total		Type of Accident				Reportable Damage		Casualties	
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal
Brakes	28	1.0	2	23	-	3	2,160,553	0.7	-	-
Trailer/Container on Flatcar	2	0.1	-	2	-	-	89,700	0.0	-	-
Body	31	1.1	-	25	-	6	2,604,779	0.8	-	-
Coupler & Draft System	35	1.2	1	30	-	4	4,041,667	1.3	-	-
Truck Components	60	2.1	-	58	-	2	8,058,798	2.5	-	-
Axles & Journal Bearings	50	1.7	-	50	-	-	13,786,225	4.3	-	2
Wheels	49	1.7	-	48	-	1	19,727,590	6.2	-	22
Locomotives	51	1.7	-	3	-	48	2,735,574	0.9	-	5
Doors	9	0.3	-	8	-	1	1,370,760	0.4	-	-
Other Mechanical	5	0.2	-	2	-	3	926,666	0.3	-	3
Brakes, Use of	105	3.6	20	34	-	51	9,441,270	2.9	-	30
Employee Physical Condition	6	0.2	-	1	-	5	541,453	0.2	-	-
Flagging, Fixed, Hand & Radio	39	1.3	17	10	-	12	10,927,896	3.4	4	275
General Switching Rules	382	13.1	83	162	-	137	16,387,598	5.1	-	11
Main Track Authority	33	1.1	11	5	-	17	4,415,519	1.4	4	56
Train Handling/Makeup	122	4.2	2	112	-	8	10,726,200	3.3	-	4
Speed	90	3.1	18	52	-	20	8,224,583	2.6	-	19
Switches, Use of	212	7.3	18	173	-	21	8,371,989	2.6	-	5
Miscellaneous Human Factors	44	1.5	12	15	-	17	1,909,122	0.6	1	18
Environmental Conditions	36	1.2	-	33	-	3	8,337,792	2.6	-	2
Loading Procedures	42	1.4	4	31	-	7	3,183,733	1.0	-	-
Highway-Rail Incidents	258	8.8	-	1	257	-	12,309,195	3.8	70	221
Unusual Operational Situations	173	5.9	8	66	-	99	11,555,237	3.6	3	11
Other Miscellaneous Causes	84	2.9	5	49	-	30	6,081,499	1.9	-	4
Signal Defects	49	1.7	3	28	-	18	1,620,517	0.5	-	-
Roadbed	45	1.5	-	39	-	6	8,351,732	2.6	-	2
Track Geometry	370	12.7	1	367	-	2	45,595,872	14.2	-	10
Rail, Joint Bar & Anchors	316	10.8	2	314	-	-	81,956,084	25.6	-	6
Frogs, Switches, Appliances	173	5.9	1	169	-	3	11,611,139	3.6	-	1
Other Track Defects	24	0.8	-	8	-	16	3,605,122	1.1	-	6
Total	2,923	100	208	1,918	257	540	320,655,864	100.0	82	713

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

TABLE 5-8 TRAIN ACCIDENTS WITH CONTRIBUTING CAUSE, 2007

Contributing Cause	Total		Type of Accident				Type of Track				
	Cnt	%	Coll	Der	HRC	Othr	Main	Yard	Siding	Industry	Other
Brakes	4	1.2	-	4	-	-	2	1	1	-	-
Body	1	0.3	-	1	-	-	-	1	-	-	-
Coupler & Draft System	3	0.9	1	1	-	1	1	2	-	-	-
Truck Components	9	2.7	-	9	-	-	3	5	-	-	1
Axles & Journal Bearings	2	0.6	-	2	-	-	1	-	-	1	-
Wheels	8	2.4	-	8	-	-	5	2	-	1	-
Locomotives	3	0.9	-	-	-	3	2	1	-	-	-
Other Mechanical	1	0.3	-	-	-	1	1	-	-	-	-
Brakes, Use of	10	3.0	3	3	-	4	3	4	-	3	-
Employee Physical Condition	2	0.6	2	-	-	-	1	-	1	-	-
Flagging, Fixed, Hand & Radio	4	1.2	1	2	-	1	-	3	-	1	-
General Switching Rules	57	17.0	6	28	-	23	1	39	4	12	1
Main Track Authority	6	1.8	3	2	-	1	5	1	-	-	-
Train Handling/Makeup	29	8.6	-	27	-	2	15	12	2	-	-
Speed	22	6.5	10	9	-	3	7	13	2	-	-
Switches, Use of	24	7.1	-	21	-	3	3	16	1	4	-
Miscellaneous Human Factors	6	1.8	1	1	-	4	2	2	-	2	-
Environmental Conditions	8	2.4	-	5	-	3	1	3	1	3	-
Loading Procedures	5	1.5	1	2	-	2	2	2	-	1	-
Highway-Rail Incidents	25	7.4	-	1	24	-	24	1	-	-	-
Unusual Operational Situations	5	1.5	1	4	-	-	2	2	-	1	-
Other Miscellaneous Causes	11	3.3	2	6	1	2	4	2	1	4	-
Signal Defects	2	0.6	-	1	-	1	1	1	-	-	-
Roadbed	14	4.2	-	13	-	1	7	4	1	2	-
Track Geometry	33	9.8	1	32	-	-	15	7	1	8	2
Rail, Joint Bar & Anchors	21	6.3	1	20	-	-	10	9	1	1	-
Frogs, Switches, Appliances	18	5.4	-	16	-	2	-	11	-	6	1
Other Track Defects	3	0.9	-	2	-	1	1	-	1	1	-
Total	336	100	33	220	25	58	119	144	17	51	5

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

TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2007

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	3	0.1	1	1	1	-	1	2	171,100	-	-
Failure to secure engine- rr empl	11	0.4	6	2	3	1	9	1	829,526	-	13
Fail to secure car hnd brk -rr emp	29	1.0	4	9	16	5	19	5	1,333,567	-	9
Fail to release hand brk - rr emp	6	0.2	-	4	2	2	1	3	1,126,214	-	-
Fail to apply suff. hand brakes -rr emp	28	1.0	5	8	15	4	23	1	3,700,243	-	2
Fail to apply car hnd brks -rr emp	16	0.5	3	4	9	3	11	2	1,519,990	-	-
Fail to secure equip - not rr emp	5	0.2	-	3	2	2	1	2	514,236	-	6
Fail to ctrl car spd use hnd brk-r emp	1	0.0	1	-	-	1	-	-	85,000	-	-
Use of brakes, other	6	0.2	-	3	3	1	4	1	161,394	-	-
Impairment because of drugs or alcohol	1	0.0	-	-	1	1	-	-	25,600	-	-
Incapacitation due to injury/illness	1	0.0	-	-	1	-	1	-	30,000	-	-
Employee asleep	3	0.1	-	1	2	-	1	2	461,853	-	-
Employee physical condition, other	1	0.0	-	-	1	-	1	-	24,000	-	-
Absence of fixed signal (Blue Signal)	1	0.0	-	-	1	-	1	-	19,725	-	-
Hand signal, failure to comply	1	0.0	-	-	1	-	1	-	200,000	-	-
Hand signal, failure to give/receive	2	0.1	-	1	1	-	-	2	31,233	-	-
Radio communication, failure to comply	9	0.3	2	2	5	2	5	2	297,118	-	-
Radio communication, improper	2	0.1	1	1	-	1	1	-	211,568	-	-
Radio comm., failure to give/receive	4	0.1	1	2	1	-	3	1	208,652	-	-
Failure to comply with failed equipment detector warning or with applicable train inspection rules.	2	0.1	-	2	-	2	-	-	268,984	-	-
Fixed signal (other than automatic block or interlocking signal), failure to comply.	9	0.3	5	2	2	4	2	3	2,144,831	4	6
Automatic block or interlocking signal displaying a stop indication - failure to comply.*	6	0.2	5	-	1	4	1	1	5,222,387	-	7
Automatic block or interlocking signal displaying other than a stop indication - failure to comply.*	3	0.1	3	-	-	3	-	-	2,323,398	-	262
Car(s) shoved out & left out of clear	7	0.2	2	1	4	1	5	1	265,348	-	2
Cars left foul	53	1.8	7	6	40	1	41	11	1,099,931	-	-
Derail, failure to apply or remove	20	0.7	-	19	1	1	10	9	982,242	-	-
Instruction to trn/yd crew improper	7	0.2	2	2	3	-	6	1	309,393	-	-
Shoving movement, absence of man	101	3.5	36	44	21	6	74	21	7,100,362	-	4
Shoving movement, failure to control	81	2.8	22	36	23	1	60	20	3,252,470	-	3
Skate, failure to remove or place	3	0.1	-	3	-	-	3	-	45,999	-	-
Failure to stretch cars before shoving	6	0.2	-	4	2	-	5	1	111,334	-	-
Failure to couple	16	0.5	2	5	9	-	14	2	328,262	-	2
Passed couplers	28	1.0	-	23	5	-	27	1	664,112	-	-
Retarder, improper manual operation	5	0.2	2	-	3	-	5	-	266,484	-	-
Manual intervention of classification yard automatic control system modes by operator	4	0.1	2	-	2	-	4	-	178,661	-	-
Humping or cutting off in motion equipment susceptible to damage, or to cause damage to other equipment	3	0.1	-	1	2	-	3	-	42,695	-	-
Kicking or dropping cars, inadequate precautions	30	1.0	3	11	16	1	28	1	742,554	-	-
Other general switching rules	18	0.6	5	7	6	1	15	2	997,751	-	-
Failure to stop train in clear	13	0.4	6	4	3	5	7	1	622,414	-	6
Motor car/on-trk rules, fail to comply	13	0.4	2	1	10	11	-	2	2,391,107	-	23
Movement without authority - rr emp	2	0.1	1	-	1	2	-	-	107,026	-	4
Fail to comply with trn order, etc.	2	0.1	1	-	1	2	-	-	667,253	-	3

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

TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2007

MAJOR CAUSE= Human Factors

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Other main track authority causes	3	0.1	1	-	2	3	-	-	627,719	4	20
Improper train make-up at init term	2	0.1	-	2	-	1	1	-	97,450	-	-
Buff/slack action excess, trn handling	35	1.2	-	34	1	13	15	7	2,986,867	-	-
Buff/slack action excess, trn make-up	9	0.3	-	8	1	1	7	1	1,296,726	-	-
Lat DB force on curve xcess trn hndng	7	0.2	-	7	-	1	4	2	315,996	-	-
Lat DB force on curve excess, make-up	4	0.1	-	4	-	-	4	-	170,715	-	-
Lat drawbar force-short/long car combo	5	0.2	-	5	-	-	5	-	111,068	-	-
Improper train make-up	2	0.1	-	2	-	1	-	1	17,059	-	-
Improper train inspection	4	0.1	-	3	1	4	-	-	104,207	-	-
Automatic brake, insufficient	1	0.0	-	-	1	-	-	1	39,000	-	2
Automatic brake, excessive	2	0.1	-	2	-	1	1	-	257,768	-	-
Automatic brake, other improper use	2	0.1	-	2	-	-	1	1	30,600	-	-
Fail to allow air brks to release	3	0.1	-	3	-	-	3	-	81,661	-	-
Fail to cut-in brake valves-loco	1	0.0	-	-	1	-	1	-	28,023	-	-
Dynamic brake, insufficient	1	0.0	-	1	-	-	1	-	8,500	-	-
Dynamic brake, excessive	2	0.1	-	2	-	2	-	-	438,802	-	-
Dynamic brake, too rapid adjustment	4	0.1	-	4	-	2	1	1	251,961	-	-
Dynamic brake, other improper use	1	0.0	-	1	-	1	-	-	163,500	-	-
Throttle (power), improper use	4	0.1	-	4	-	2	2	-	292,190	-	-
Throttle (power), too rapid adjustment	2	0.1	-	2	-	-	2	-	38,226	-	-
Excessive horsepower	9	0.3	-	8	1	-	8	1	538,377	-	1
Independent brake, improper use	15	0.5	-	14	1	3	11	1	838,152	-	-
Other train handling/makeup	7	0.2	2	4	1	4	3	-	2,619,352	-	1
Coupling speed excessive	13	0.4	-	5	8	2	8	3	434,077	-	-
Switch movement, excessive speed	9	0.3	1	6	2	-	8	1	529,936	-	-
Train inside yard limits, excess speed	3	0.1	1	2	-	3	-	-	60,631	-	-
Train outside yd limits, excess speed	6	0.2	-	6	-	6	-	-	1,271,496	-	-
Failure to comply with restricted speed	6	0.2	1	3	2	5	-	1	177,612	-	1
Train outside yd limits(nonblk),exc spd	7	0.2	-	7	-	7	-	-	3,088,916	-	-
Failure to comply with restricted speed or its equivalent not in connection with a block or interlocking signal.	40	1.4	14	19	7	5	28	7	2,188,611	-	18
Speed, other	6	0.2	1	4	1	2	4	-	473,304	-	-
Spring Switch not clear before reverse	4	0.1	-	4	-	3	1	-	192,676	-	-
Switch improperly lined	141	4.8	17	107	17	13	111	17	5,776,238	-	-
Switch not latched or locked	21	0.7	-	20	1	-	20	1	837,678	-	-
Switch previously run through	31	1.1	-	31	-	5	22	4	966,644	-	-
Radio controlled switch not locked effectively	1	0.0	-	1	-	-	1	-	145,390	-	-
Use of switches, other	14	0.5	1	10	3	5	9	-	453,363	-	5
Tampering - safety/protective device	1	0.0	1	-	-	-	1	-	102,177	-	-
Human factors - track	7	0.2	2	3	2	6	1	-	222,083	-	4
Human factors - signal	1	0.0	-	1	-	1	-	-	1,150	-	-
Human factors -motive power & equipment	8	0.3	2	4	2	1	6	1	216,960	-	-
Oversized loads or Excess Height/Width cars, mis-routed or switched.	5	0.2	3	-	2	3	2	-	145,858	-	-
Motor car or other on-track equipment rules (other than main track authority) - Failure to Comply.	14	0.5	1	2	11	11	-	3	835,488	1	13
Other train operation/human factors	6	0.2	2	4	-	4	2	-	303,251	-	1

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

TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2007

MAJOR CAUSE= Human Factors

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Computer system configuration/management error (non vendor)	2	0.1	1	1	-	1	1	-	82,155	-	-
Total	1,033	35.3	181	564	288	190	688	155	70,945,630	9	418

MAJOR CAUSE= Signal Defects

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Radio controlled switch not locked effectively	1	0.0	-	1	-	-	1	-	25,364	-	-
Classyard autocontrol sys switch fail	5	0.2	-	2	3	-	5	-	92,712	-	-
Class yd auto ctrl sys retarder fail	17	0.6	1	9	7	-	17	-	364,877	-	-
Power switch failure	14	0.5	-	13	1	4	10	-	850,991	-	-
Radio communication equipment failure	1	0.0	-	1	-	-	-	1	21,475	-	-
Computer system design error (vendor)	1	0.0	-	-	1	-	1	-	60,226	-	-
Classification yard automatic control system - Inadequate/insufficient control	3	0.1	1	-	2	-	3	-	83,218	-	-
Other signal failures	7	0.2	1	2	4	3	4	-	121,654	-	-
Total	49	1.7	3	28	18	7	41	1	1,620,517	-	-

MAJOR CAUSE= Track Defects

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Roadbed settled or soft	36	1.2	-	34	2	15	11	10	5,983,421	-	1
Washout/rain/slide/etc. dmg -track	8	0.3	-	5	3	6	1	1	2,345,494	-	1
Other roadbed defects	1	0.0	-	-	1	-	1	-	22,817	-	-
Cross level of track irregular(joints)	32	1.1	1	31	-	17	12	3	2,125,388	-	1
Cross level track irreg.(not at joints)	40	1.4	-	38	2	22	9	9	7,574,502	-	-
Deviate frm uniform top of rail profile	2	0.1	-	2	-	2	-	-	181,162	-	-
Insufficient ballast section	1	0.0	-	1	-	1	-	-	17,300	-	-
Superelevation improper, excessive,etc.	3	0.1	-	3	-	2	-	1	1,034,658	-	-
Superelevation runoff improper	3	0.1	-	3	-	3	-	-	259,773	-	-
Trk alignmnt irreg-not buckled/sunkink	14	0.5	-	14	-	6	5	3	2,867,221	-	-
Track alignment irreg(buckled/sunkink)	34	1.2	-	34	-	27	2	5	14,137,194	-	1
Wide gage(defective/missing crossties)	186	6.4	-	186	-	24	90	72	12,310,015	-	1
Wide gage(spikes/other rail fasteners)	23	0.8	-	23	-	1	17	5	1,746,922	-	-
Wide gage(loose,broke, etc, gage rods)	4	0.1	-	4	-	2	2	-	221,961	-	-
Wide gage (due to worn rails)	18	0.6	-	18	-	2	7	9	715,751	-	7
Other track geometry defects	10	0.3	-	10	-	3	3	4	2,404,025	-	-
Bolt hole crack or break	11	0.4	-	11	-	3	3	5	3,732,191	-	-
Broken base of rail	19	0.7	-	19	-	5	10	4	3,210,980	-	-
Broken weld (plant)	1	0.0	-	1	-	-	-	1	21,975	-	-
Broken weld (field)	11	0.4	-	11	-	8	3	-	4,539,895	-	-

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

TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2007

MAJOR CAUSE= Track Defects

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Defective or missing cross ties	14	0.5	-	14	-	1	9	4	550,419	-	-
Defect/missing spike-oth rail fastener	11	0.4	-	11	-	4	6	1	4,885,077	-	-
Detail fracture - shelling/head check	39	1.3	-	39	-	20	17	2	13,350,754	-	4
Head and web sep(outside jt bar limit)	14	0.5	1	13	-	3	8	3	1,311,072	-	-
Head & web separation-in jt bar limit	7	0.2	-	7	-	1	3	3	1,832,720	-	-
Horizontal split head	11	0.4	-	11	-	3	7	1	788,554	-	1
Joint bar broken (compromise)	3	0.1	-	3	-	2	1	-	239,176	-	-
Joint bar broken (insulated)	1	0.0	-	1	-	1	-	-	1,297,391	-	-
Joint bar broken (noninsulated)	6	0.2	-	6	-	4	1	1	2,648,006	-	-
Joint bolts, broken, or missing	5	0.2	-	5	-	1	3	1	170,635	-	-
Mismatched rail-head contour	2	0.1	-	2	-	-	2	-	154,197	-	-
Transverse/compound fissure	92	3.1	-	92	-	42	43	7	19,517,962	-	1
Vertical split head	42	1.4	-	42	-	12	21	9	4,705,454	-	-
Worn rail	12	0.4	-	12	-	4	6	2	2,407,587	-	-
Other rail and joint bar defects	15	0.5	1	14	-	10	3	2	16,592,039	-	-
Derail, defective	2	0.1	-	2	-	-	2	-	271,934	-	-
Guard rail loose/broken or mislocated	7	0.2	-	7	-	-	3	4	220,953	-	-
Railroad crossing frog, worn or broken	1	0.0	-	1	-	1	-	-	35,000	-	-
Retarder worn, broken, malfunctioning	2	0.1	1	-	1	-	2	-	46,435	-	-
Retarder yard skate defective	2	0.1	-	1	1	-	2	-	37,795	-	-
Spring/power swtch mech. malfunction	6	0.2	-	6	-	-	5	1	195,310	-	-
Stock rail worn, broken, disconnected	4	0.1	-	4	-	2	1	1	92,358	-	-
Switch (hand op) stand mechanism defect	4	0.1	-	4	-	-	2	2	240,894	-	-
Swtch connect/operate rod broke/defect	1	0.0	-	1	-	1	-	-	20,300	-	-
Switch damaged or out of adjustment	23	0.8	-	23	-	4	13	6	852,871	-	-
Switch lug/crank broken	2	0.1	-	2	-	-	2	-	37,925	-	-
Switch out of adj. insuff. anchoring	11	0.4	-	11	-	1	8	2	387,165	-	-
Switch point worn or broken	68	2.3	-	67	1	10	37	21	4,921,244	-	1
Switch rod worn, bent, broken, etc.	1	0.0	-	1	-	-	1	-	90,326	-	-
Turnout frog (rigid) worn, or broken	5	0.2	-	5	-	1	2	2	338,949	-	-
Turnout frog(self guarded)-worn/broken	2	0.1	-	2	-	-	2	-	29,490	-	-
Turnout frog (spring) worn, or broken	2	0.1	-	2	-	2	-	-	77,281	-	-
Switch pt gap(btw n swt pt & stock rail)	20	0.7	-	20	-	5	11	4	3,214,740	-	-
Oth frog, switch, trk appliance defect	10	0.3	-	10	-	3	6	1	500,169	-	-
Bridge misalignment or failure	4	0.1	-	4	-	3	1	-	2,927,638	-	6
Flangeway clogged	3	0.1	-	3	-	-	1	2	200,644	-	-
Catenary system defect	12	0.4	-	-	12	11	1	-	329,382	-	-
Other way and structure defect	5	0.2	-	1	4	4	-	1	147,458	-	-
Total	928	31.7	4	897	27	305	408	215	151,119,949	-	25

MAJOR CAUSE= Mechanical/Electrical

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Air hose uncoupled or burst	1	0.0	-	1	-	-	1	-	245,750	-	-
Broken brake pipe or connections	3	0.1	-	3	-	-	3	-	48,608	-	-
Oth brk component dmg,worn,broke,etc.	4	0.1	-	4	-	2	2	-	277,900	-	-
Oth brk parts dmg,worm,broke,etc.(LOCO)	1	0.0	-	1	-	-	1	-	19,300	-	-
Brk valve malf. (undesired emergency)	1	0.0	-	1	-	-	1	-	31,100	-	-

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

TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2007

MAJOR CAUSE= Mechanical/Electrical

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Brake valve malf. (stuck brake, etc.)	5	0.2	-	4	1	2	2	1	552,735	-	-
Rigging down or dragging	7	0.2	-	7	-	3	2	2	767,449	-	-
Other brake defects, cars	5	0.2	1	2	2	1	2	2	118,411	-	-
Hnd brk link and/or connect defect	1	0.0	1	-	-	-	1	-	99,300	-	-
Broken or defective tiedown equipment	2	0.1	-	2	-	2	-	-	89,700	-	-
Body bolster broken or defective	1	0.0	-	1	-	1	-	-	43,000	-	-
Center sill broken or bent	12	0.4	-	9	3	10	2	-	625,737	-	-
Draft sill broken or bent	3	0.1	-	1	2	2	1	-	323,694	-	-
Center plate broken or defective	2	0.1	-	2	-	-	2	-	46,660	-	-
Ctr plate disengaged from truck	5	0.2	-	5	-	2	3	-	1,029,169	-	-
Center plate attachment defective	1	0.0	-	1	-	1	-	-	25,475	-	-
Side sill broken	3	0.1	-	3	-	3	-	-	51,721	-	-
Other body defects, (CAR)	4	0.1	-	3	1	1	2	1	459,323	-	-
Knuckle broken or defective	3	0.1	1	2	-	1	2	-	67,060	-	-
Knuckle broken or defective (LOCO)	1	0.0	-	1	-	1	-	-	18,877	-	-
Coupler mismatch, high/low	2	0.1	-	2	-	-	2	-	276,468	-	-
Coupler drawhead broken or defective	1	0.0	-	1	-	-	-	1	31,248	-	-
Coupler retainer pin/cross key missing	11	0.4	-	10	1	10	1	-	769,981	-	-
Draft gear/mechanism broke/defective	7	0.2	-	5	2	3	4	-	333,792	-	-
Coupler carrier broken or defective	3	0.1	-	3	-	-	3	-	76,489	-	-
Oth coupler/draft system defects-car	6	0.2	-	5	1	4	2	-	2,443,201	-	-
Oth coupler/draft sys defects-loco	1	0.0	-	1	-	-	1	-	24,551	-	-
Side bearing clearance insufficient	13	0.4	-	12	1	5	5	3	853,981	-	-
Side bearing clearance excessive	5	0.2	-	4	1	3	1	1	231,910	-	-
Side bearing(s) broken	3	0.1	-	3	-	2	1	-	87,957	-	-
Side frame broken	3	0.1	-	3	-	2	1	-	774,607	-	-
Truck bolster stiff	12	0.4	-	12	-	4	3	5	626,278	-	-
Truck bolster stiff (LOCO)	2	0.1	-	2	-	1	1	-	49,850	-	-
Defective snubbing	5	0.2	-	5	-	4	1	-	1,747,803	-	-
Broken, missing, or defective springs	1	0.0	-	1	-	1	-	-	1,228,422	-	-
Other truck component defects, (CAR)	6	0.2	-	6	-	3	3	-	1,066,726	-	-
Truck bolster stiff (failure to slew)	9	0.3	-	9	-	5	4	-	1,346,120	-	-
Truck hunting	1	0.0	-	1	-	-	1	-	45,144	-	-
Broken/bent axle between wheel seats	10	0.3	-	10	-	10	-	-	1,137,796	-	-
Broke/bent axle btwn wheel seats-loco	4	0.1	-	4	-	4	-	-	1,468,654	-	-
Journal (plain) failure from overheat	2	0.1	-	2	-	2	-	-	179,762	-	-
Journal (roller bearing) overheating	20	0.7	-	20	-	19	-	1	3,369,679	-	-
Journal fractured, new cold break	9	0.3	-	9	-	9	-	-	6,798,953	-	-
Oth axle/journal bearing defect-car	3	0.1	-	3	-	3	-	-	757,055	-	-
Oth axle/journal bearing defect-loco	2	0.1	-	2	-	2	-	-	74,326	-	2
Broken flange	2	0.1	-	2	-	1	1	-	43,616	-	-
Broken rim	11	0.4	-	11	-	9	-	2	11,897,929	-	-
Broken plate	12	0.4	-	11	1	12	-	-	5,268,789	-	22
Worn Flange	6	0.2	-	6	-	1	3	2	424,508	-	-
Worn flange (LOCO)	1	0.0	-	1	-	-	-	1	22,012	-	-
Damaged flange or tread (flat)	2	0.1	-	2	-	2	-	-	25,470	-	-
Damaged flange or tread (build up)	10	0.3	-	10	-	6	4	-	595,629	-	-
Loose wheel	3	0.1	-	3	-	3	-	-	1,335,827	-	-
Other wheel defects (CAR)	1	0.0	-	1	-	1	-	-	25,926	-	-
Thermal crack, flange or tread	1	0.0	-	1	-	1	-	-	87,884	-	-
Running gear failure (LOCO)	1	0.0	-	1	-	1	-	-	318,870	-	-

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

TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2007

MAJOR CAUSE= Mechanical/Electrical

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Traction motor failure (LOCO)	7	0.2	-	2	5	3	3	1	200,467	-	2
Oil or fuel fire (LOCO)	4	0.1	-	-	4	3	1	-	1,141,686	-	2
Electrically caused fire (LOCO)	4	0.1	-	-	4	2	2	-	305,558	-	1
Current collector system (LOCO)	1	0.0	-	-	1	1	-	-	17,284	-	-
Remote control equip inoperative (LOCO)	1	0.0	-	-	1	-	1	-	0	-	-
Pantograph defect (LOCO)	29	1.0	-	-	29	28	1	-	524,691	-	-
Other LOCO defects	4	0.1	-	-	4	1	3	-	227,018	-	-
Bottom outlet car door open	3	0.1	-	3	-	1	-	2	153,181	-	-
Bottom outlet door attachment defect	4	0.1	-	4	-	2	-	2	835,807	-	-
Other car door defects	2	0.1	-	1	1	1	1	-	381,772	-	-
Other mechanical/electrical failures	2	0.1	-	1	1	-	2	-	25,116	-	-
Other mechanical/electrical fail(LOCO)	3	0.1	-	1	2	1	1	1	901,550	-	3
Total	320	10.9	3	249	68	208	84	28	55,502,312	-	32

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	14	0.5	-	13	-	1	4	4	6	477,617	-	-
Extreme environmental - TORNADO	3	0.1	-	3	-	-	3	-	-	1,038,798	-	-
Extreme environmental - FLOOD	9	0.3	-	9	-	-	5	3	1	6,060,575	-	2
Extreme wind velocity	6	0.2	-	4	-	2	2	3	1	682,615	-	-
Other extreme environmental conditions	4	0.1	-	4	-	-	2	2	-	78,187	-	-
Load shifted	7	0.2	1	3	-	3	4	1	2	538,102	-	-
Load fell from car	4	0.1	2	1	-	1	2	1	1	349,256	-	-
Overloaded car	8	0.3	-	8	-	-	4	1	3	405,321	-	-
Improperly loaded car	14	0.5	-	14	-	-	11	2	1	786,867	-	-
Overloaded container/trailer on flat car	1	0.0	-	1	-	-	1	-	-	553,122	-	-
Improperly loaded contain/trail on car	2	0.1	-	2	-	-	2	-	-	330,485	-	-
Miscellaneous loading procedures	6	0.2	1	2	-	3	1	-	5	220,580	-	-
Hwy user impairment-drug/alcohol use	4	0.1	-	-	4	-	3	-	1	361,547	-	-
Highway user inattentiveness	86	2.9	-	1	85	-	81	3	2	2,461,097	32	49
Hwy user misjudgement	35	1.2	-	-	35	-	34	-	1	2,357,540	6	35
Highway user cited for violation	67	2.3	-	-	67	-	65	-	2	3,567,729	2	44
Highway user unable to stop, weather	1	0.0	-	-	1	-	1	-	-	72,054	-	1
Highway user deliberately disregarded crossing warning devices	29	1.0	-	-	29	-	28	-	1	2,091,484	19	72
Other causes (highway-rail collisions)	36	1.2	-	-	36	-	36	-	-	1,397,744	11	20
Object/equipment (mtr veh) on track	29	1.0	-	-	-	29	26	1	2	656,143	3	7

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

TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2007
MAJOR CAUSE= Miscellaneous

Causes	Total		Type of Accident				Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	HRC	Othr	Main	Yard	Other		Kld	Nonfatal
Obj/equip on/fouling track, other	39	1.3	-	5	-	34	24	8	7	3,956,547	-	4
Harmonic rock off, etc.	34	1.2	-	34	-	-	7	26	1	3,352,464	-	-
Auto hump retarder failed to slow car	17	0.6	2	4	-	11	-	17	-	527,258	-	-
Yard skate slid and failed to stop car	17	0.6	6	1	-	10	-	17	-	738,679	-	-
Lading chains/straps fouling switches	7	0.2	-	6	-	1	1	5	1	1,022,868	-	-
Lading chains or straps fouling wheels	1	0.0	-	1	-	-	-	1	-	12,000	-	-
Passed couplers (automated classification yard)	29	1.0	-	15	-	14	-	29	-	1,289,278	-	-
Interference(not vandals)with RR op.	12	0.4	-	5	-	7	7	1	4	484,879	-	-
Vandalism of on-track equipment	3	0.1	1	-	-	2	-	2	1	603,500	-	-
Vandalism of track or track appliances	13	0.4	-	11	-	2	3	7	3	1,231,303	-	-
Fail by non-rr empto control spd of car	13	0.4	1	10	-	2	1	1	11	550,465	-	-
Cause under investigation	1	0.0	-	1	-	-	-	1	-	433,101	-	-
Track damage caused by non-railroad interference with track structure	4	0.1	-	4	-	-	1	1	2	299,107	-	-
Investigation complete, cause could not be determined	14	0.5	-	7	-	7	5	8	1	1,389,957	-	3
Other miscellaneous causes	24	0.8	3	11	-	10	6	13	5	1,089,187	-	1
Total	593	20.3	17	180	257	139	370	158	65	41,467,456	73	238

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

TABLE 5-10 TRAIN ACCIDENTS BY TYPE TRACK AND CLASS, 2007

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	154	5.3	10	126	4	14	15,537,661	-	17	20	4	44	14	1	71	
	2	185	6.3	5	142	13	25	32,498,821	3	37	34	13	31	18	5	84	
	3	208	7.1	17	102	42	47	39,827,353	10	366	41	42	50	28	-	47	
	4	378	12.9	11	166	144	57	101,802,636	47	176	85	144	48	38	-	63	
	5	106	3.6	2	39	44	21	25,618,760	18	51	17	44	11	17	1	16	
	6	8	0.3	-	-	-	8	364,826	-	-	3	-	-	3	-	2	
	?	10	0.3	-	-	-	10	321,971	-	-	7	-	-	2	-	1	
	X	31	1.1	1	27	1	2	2,261,497	-	-	1	1	6	2	-	21	
	-Sub	1,080	36.9	46	602	248	184	218,233,525	78	647	208	248	190	122	7	305	
Yard	1	1,250	42.8	129	863	-	258	59,335,155	-	34	77	-	631	136	36	370	
	2	72	2.5	5	49	-	18	4,434,410	-	-	5	-	29	15	5	18	
	3	6	0.2	-	5	1	-	228,119	-	1	-	1	4	-	-	1	
	4	1	0.0	-	-	-	1	25,314	-	-	-	-	1	-	-	-	
	5	2	0.1	-	1	1	-	26,503	-	-	-	1	1	-	-	-	
	6	1	0.0	-	-	-	1	21,941	-	-	1	-	-	-	-	-	
	X	47	1.6	4	35	-	8	1,488,826	-	-	1	-	22	5	-	19	
	-Sub	1,379	47.2	138	953	2	286	65,560,268	-	35	84	2	688	156	41	408	
Siding	1	70	2.4	5	60	1	4	7,257,892	-	7	3	1	29	5	-	32	
	2	17	0.6	1	10	-	6	1,920,374	-	3	2	-	8	2	-	5	
	3	22	0.8	-	18	-	4	6,426,172	-	7	1	-	8	1	-	12	
	4	4	0.1	-	1	-	3	121,050	-	1	1	-	2	1	-	-	
	5	2	0.1	-	2	-	-	272,139	-	-	1	-	-	-	-	1	
	X	8	0.3	-	8	-	-	242,424	-	-	1	-	3	1	-	3	
	-Sub	123	4.2	6	99	1	17	16,240,051	-	18	9	1	50	10	-	53	
Industry	1	262	9.0	15	202	3	42	12,467,266	2	5	12	3	85	42	-	120	
	2	7	0.2	-	5	-	2	189,249	-	-	1	-	2	1	-	3	
	3	4	0.1	-	3	-	1	778,550	-	3	1	-	2	-	-	1	
	4	1	0.0	-	1	-	-	38,365	-	-	-	-	-	-	-	1	
	X	42	1.4	1	36	-	5	1,621,380	-	-	3	-	12	2	1	24	
	-Sub	316	10.8	16	247	3	50	15,094,810	2	8	17	3	101	45	1	149	
Other	?	25	0.9	2	17	3	3	5,527,210	2	5	2	3	4	3	-	13	
	-Sub	25	0.9	2	17	3	3	5,527,210	2	5	2	3	4	3	-	13	
Total		2,923	100	208	1,918	257	540	320,655,864	82	713	320	257	1,033	336	49	928	

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

TABLE 5-11 TRAIN ACCIDENTS BY TYPE TRACK AND CONSIST SPEED, 2007

Track - Spd Rng		Total		Type of Accident				Reportable Damage	Casualties		Causes					
		Cnt	%	Coll	Der	HRC	Othr	Amount	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
Main	?	26	0.9	-	8	1	17	3,934,435	1	-	4	1	3	12	1	5
	1 - 9	210	7.2	9	162	7	32	17,482,464	2	10	27	7	71	22	2	81
	10-19	228	7.8	18	169	16	25	35,674,048	1	52	48	16	58	20	2	84
	20-29	188	6.4	9	121	25	33	43,103,834	9	46	48	25	30	18	2	65
	30-39	113	3.9	7	52	41	13	31,676,502	3	334	26	41	15	17	-	14
	40-49	156	5.3	1	69	72	14	63,263,261	16	70	31	72	7	10	-	36
	50-59	69	2.4	1	14	41	13	14,192,486	10	48	10	41	3	7	-	8
	60-69	43	1.5	1	6	24	12	6,848,522	13	76	5	24	2	6	-	6
	>= 70	47	1.6	-	1	21	25	2,057,973	23	11	9	21	1	10	-	6
	-Sub	1,080	36.9	46	602	248	184	218,233,525	78	647	208	248	190	122	7	305
Yard	?	35	1.2	1	13	-	21	1,430,810	-	1	8	-	11	12	1	3
	1 - 9	1,181	40.4	117	845	1	218	50,630,976	-	19	61	1	597	115	33	374
	10-19	151	5.2	20	88	1	42	12,340,712	-	14	13	1	74	26	6	31
	20-29	8	0.3	-	5	-	3	439,244	-	1	2	-	3	2	1	-
	30-39	4	0.1	-	2	-	2	718,526	-	-	-	-	3	1	-	-
	-Sub	1,379	47.2	138	953	2	286	65,560,268	-	35	84	2	688	156	41	408
Siding	?	3	0.1	-	2	-	1	39,523	-	1	-	-	2	1	-	-
	1 - 9	73	2.5	2	60	1	10	5,455,214	-	5	5	1	31	6	-	30
	10-19	28	1.0	1	24	-	3	2,871,671	-	1	2	-	12	1	-	13
	20-29	14	0.5	-	11	-	3	3,630,063	-	7	2	-	3	2	-	7
	30-39	1	0.0	1	-	-	-	470,169	-	4	-	-	1	-	-	-
	40-49	4	0.1	2	2	-	-	3,773,411	-	-	-	-	1	-	-	3
	-Sub	123	4.2	6	99	1	17	16,240,051	-	18	9	1	50	10	-	53
Industry	?	6	0.2	-	1	1	4	1,170,822	-	4	2	1	-	2	-	1
	1 - 9	283	9.7	13	227	2	41	11,490,274	2	3	14	2	87	40	1	139
	10-19	26	0.9	3	18	-	5	2,404,227	-	1	1	-	14	3	-	8
	40-49	1	0.0	-	1	-	-	29,487	-	-	-	-	-	-	-	1
	-Sub	316	10.8	16	247	3	50	15,094,810	2	8	17	3	101	45	1	149
Other	1 - 9	12	0.4	1	10	-	1	684,390	-	-	-	-	3	-	-	9
	10-19	5	0.2	1	4	-	-	1,383,664	-	2	1	-	1	1	-	2
	20-29	3	0.1	-	2	1	-	472,277	-	-	1	1	-	-	-	1
	30-39	1	0.0	-	-	-	1	40,000	2	-	-	-	-	1	-	-
	40-49	2	0.1	-	-	1	1	24,846	-	2	-	1	-	1	-	-
	60-69	2	0.1	-	1	1	-	2,922,033	-	1	-	1	-	-	-	1
	-Sub	25	0.9	2	17	3	3	5,527,210	2	5	2	3	4	3	-	13
Total		2,923	100	208	1,918	257	540	320,655,864	82	713	320	257	1,033	336	49	928

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

TABLE 5-12 TRAIN ACCIDENTS BY WEATHER CONDITION, 2007

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	69	2.4	3	47	6	13	10,131,102	-	1	13	6	19	5	2	24	
	Cloudy	23	0.8	-	18	1	4	3,026,177	-	-	3	1	8	3	-	8	
	Rain	6	0.2	-	3	-	3	3,048,809	-	-	1	-	2	1	-	2	
	Sleet	1	0.0	-	1	-	-	52,998	-	-	1	-	-	-	-	-	
	Snow	3	0.1	-	3	-	-	62,659	-	-	1	-	1	1	-	-	
	-- Sub	102	3.5	3	72	7	20	16,321,745	-	1	19	7	30	10	2	34	
Day	Clear	1,027	35.1	54	652	133	188	103,243,170	44	490	114	133	309	102	17	352	
	Cloudy	358	12.2	24	214	53	67	39,558,985	13	83	41	53	92	37	9	126	
	Rain	68	2.3	11	38	7	12	6,770,163	2	29	6	7	28	7	2	18	
	Fog	4	0.1	-	-	3	1	156,973	-	5	1	3	-	-	-	-	
	Sleet	1	0.0	-	1	-	-	19,744	-	-	-	-	-	-	-	1	
	Snow	15	0.5	2	10	-	3	4,280,519	-	1	3	-	4	-	1	7	
	-- Sub	1,473	50.4	91	915	196	271	154,029,554	59	608	165	196	433	146	29	504	
Dusk	Clear	76	2.6	4	56	5	11	5,202,536	-	4	6	5	27	10	2	26	
	Cloudy	24	0.8	1	17	4	2	709,961	1	5	2	4	8	1	-	9	
	Rain	7	0.2	1	6	-	-	1,479,733	-	1	-	-	2	3	-	2	
	Snow	2	0.1	-	2	-	-	318,803	-	-	-	-	-	1	-	1	
	-- Sub	109	3.7	6	81	9	13	7,711,033	1	10	8	9	37	15	2	38	
Dark	Clear	766	26.2	70	518	29	149	83,565,449	18	43	75	29	348	97	5	212	
	Cloudy	294	10.1	27	206	9	52	41,272,935	3	42	38	9	117	38	5	87	
	Rain	111	3.8	5	79	5	22	9,950,390	1	9	6	5	41	22	3	34	
	Fog	25	0.9	2	15	1	7	1,719,392	-	-	1	1	9	5	1	8	
	Sleet	4	0.1	1	3	-	-	72,381	-	-	-	-	2	-	-	2	
	Snow	39	1.3	3	29	1	6	6,012,985	-	-	8	1	16	3	2	9	
	-- Sub	1,239	42.4	108	850	45	236	142,593,532	22	94	128	45	533	165	16	352	
Total		2,923	100	208	1,918	257	540	320,655,864	82	713	320	257	1,033	336	49	928	

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

TABLE 5-13 TRAIN ACCIDENTS BY CONSIST LENGTH, 2007

Length	Consists		Type of Accident				Equipment Damage		Causes						
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Eqp	HRC	Hmn	Othr	Sig	Trk	
???	3	0.1	2	1	-	-	91,157	0.0	1	-	2	-	-	-	-
1	255	7.4	54	51	9	141	6,951,703	3.2	12	9	165	44	14	11	
2-5	395	11.5	57	157	25	156	13,116,169	6.0	17	25	203	60	26	64	
6-10	274	8.0	26	104	25	119	7,798,535	3.5	39	25	115	40	-	55	
11-15	190	5.5	18	109	21	42	5,397,262	2.5	11	21	97	14	2	45	
16-20	159	4.6	19	96	7	37	3,269,086	1.5	3	7	74	15	6	54	
21-25	159	4.6	19	103	10	27	5,583,500	2.5	7	10	77	16	1	48	
26-30	149	4.3	24	90	8	27	5,853,363	2.7	8	8	77	12	2	42	
31-35	107	3.1	11	76	7	13	3,607,726	1.6	15	7	38	18	-	29	
36-40	94	2.7	11	60	6	17	2,949,591	1.3	8	6	44	7	1	28	
41-45	124	3.6	13	88	9	14	6,425,980	2.9	12	9	45	8	1	49	
46-50	95	2.8	16	64	6	9	2,601,166	1.2	5	6	33	10	-	41	
51-60	195	5.7	18	140	16	21	7,757,142	3.5	12	16	70	19	5	73	
61-70	189	5.5	19	131	13	26	14,004,555	6.4	17	13	60	21	3	75	
71-80	174	5.1	21	119	22	12	9,876,315	4.5	19	22	63	13	1	56	
81-90	145	4.2	12	108	11	14	14,201,216	6.5	19	11	43	19	1	52	
91-100	147	4.3	10	107	15	15	13,710,005	6.2	24	15	43	12	1	52	
101-110	192	5.6	13	139	20	20	18,720,189	8.5	29	20	47	22	2	72	
111-120	131	3.8	12	102	6	11	24,158,672	11.0	27	6	35	16	-	47	
121-130	109	3.2	8	70	16	15	23,152,219	10.5	22	16	33	9	-	29	
131-140	98	2.9	9	75	5	9	19,522,362	8.9	17	5	26	10	-	40	
141-150	24	0.7	3	18	2	1	3,706,857	1.7	4	2	5	3	-	10	
>= 151	27	0.8	3	22	-	2	7,700,019	3.5	5	-	9	6	-	7	
Total	3,435	100	398	2,030	259	748	220,154,789	100.0	333	259	1,404	394	66	979	

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

TABLE 5-14 TRAIN ACCIDENTS BY TYPE TRACK AND CONSIST, 2007

Track - Equipment		Consists		Type of Accident					Primary Cause						
		Cnt	%	Avg Len.	Coll	Der	HRC	Othr	Eqp	HRC	Hmn	Othr	Sig	Trk	
Main	Freight Train	858	25.0	80	28	520	181	63	157	181	117	71	1	265	
	Psgr Train	126	3.7	8	2	11	18	63	28	18	5	25	3	15	
	Commuter Train	41	1.2	6	1	7	12	17	7	12	6	5	-	7	
	Work Train	6	0.2	36	2	3	1	-	1	1	2	1	-	1	
	Single Car	7	0.2	1	-	1	-	5	-	-	1	4	-	1	
	Cut of Cars	11	0.3	29	2	3	-	1	1	-	4	-	-	-	
	Yard/ Switch	42	1.2	43	3	22	2	4	2	2	16	4	2	5	
	Light loco(s)	16	0.5	2	1	3	7	2	1	7	4	1	-	-	
	Maint/ Insp car	24	0.7	1	2	4	3	9	-	3	14	1	-	-	
	Spec MOW Eqp	29	0.8	3	3	2	3	8	1	3	11	1	-	-	
	-Sub total	1,160	33.8	62	44	576	227	172	198	227	180	113	6	295	
Yard	Freight Train	359	10.5	71	20	250	-	15	16	-	117	10	2	140	
	Psgr Train	14	0.4	7	-	6	-	8	5	-	5	-	1	3	
	Commuter Train	9	0.3	7	1	3	-	3	1	-	4	-	-	2	
	Work Train	3	0.1	10	1	1	-	1	1	-	1	-	1	-	
	Single Car	112	3.3	1	11	10	-	36	4	-	27	19	6	1	
	Cut of Cars	173	5.0	21	12	40	-	57	4	-	64	22	8	11	
	Yard/ Switch	953	27.7	41	74	558	-	144	46	-	397	90	20	223	
	Light loco(s)	120	3.5	2	18	42	2	19	4	2	58	7	1	9	
	Maint/ Insp car	2	0.1	2	1	-	-	1	-	-	1	1	-	-	
	Spec MOW Eqp	4	0.1	1	-	-	-	1	-	-	-	1	-	-	
	-Sub total	1,749	50.9	39	138	910	2	285	81	2	674	150	39	389	
Siding	Freight Train	88	2.6	74	2	64	1	5	6	1	21	6	-	38	
	Psgr Train	5	0.1	11	-	3	-	-	-	-	2	-	-	1	
	Work Train	1	0.0	7	-	-	-	-	-	-	-	-	-	-	
	Single Car	3	0.1	1	-	2	-	-	-	-	2	-	-	-	
	Cut of Cars	10	0.3	52	1	3	-	3	-	-	3	3	-	1	
	Yard/ Switch	20	0.6	67	1	15	-	1	2	-	8	-	-	7	
	Light loco(s)	9	0.3	2	2	2	-	3	1	-	6	-	-	-	
	Maint/ Insp car	2	0.1	1	-	-	-	2	-	-	2	-	-	-	
	Spec MOW Eqp	3	0.1	1	-	-	-	2	-	-	2	-	-	-	
	-Sub total	141	4.1	60	6	89	1	16	9	1	46	9	-	47	
	Industry	Freight Train	132	3.8	63	6	100	1	11	7	1	38	18	-	54
Work Train		1	0.0	20	-	1	-	-	-	-	-	-	-	1	
Single Car		6	0.2	1	-	2	-	2	-	-	2	2	-	-	
Cut of Cars		32	0.9	21	3	8	-	7	-	-	11	4	1	2	
Yard/ Switch		163	4.7	39	4	127	2	20	8	2	39	17	-	87	
Light loco(s)		17	0.5	2	3	4	-	6	1	-	7	2	-	3	
Spec MOW Eqp		3	0.1	2	-	-	-	3	1	-	2	-	-	-	
-Sub total		354	10.3	43	16	242	3	49	17	3	99	43	1	147	
Other	Freight Train	18	0.5	91	1	9	2	2	2	2	2	3	-	5	
	Single Car	1	0.0	1	1	-	-	-	-	-	1	-	-	-	
	Cut of Cars	1	0.0	30	-	-	-	1	-	-	1	-	-	-	
	Yard/ Switch	9	0.3	59	-	7	-	-	-	-	-	-	-	7	
	Light loco(s)	1	0.0	4	-	1	-	-	-	-	-	-	-	1	
	Maint/ Insp car	1	0.0	1	-	-	1	-	-	1	-	-	-	-	
-Sub total	31	0.9	71	2	17	3	3	2	3	4	3	-	13		
Total		3,435	100	48	206	1,834	236	525	307	236	1,003	318	46	891	

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

TABLE 5-15 TRAIN ACCIDENTS BY CONSIST LENGTH AND TYPE CONSIST,2007

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
???	-	-	-	-	-	-	-	3	-	-
1	-	1	-	-	127	-	2	62	28	35
2-5	20	34	18	1	2	82	142	93	1	2
6-10	32	79	30	2	-	25	101	5	-	-
11-15	43	28	2	2	-	19	95	-	-	1
16-20	50	2	-	2	-	20	85	-	-	-
21-25	57	1	-	-	-	10	91	-	-	-
26-30	52	-	-	-	-	11	86	-	-	-
31-35	43	-	-	3	-	7	54	-	-	-
36-40	40	-	-	-	-	7	47	-	-	-
41-45	51	-	-	-	-	8	65	-	-	-
46-50	50	-	-	-	-	7	38	-	-	-
51-60	105	-	-	-	-	6	83	-	-	1
61-70	112	-	-	-	-	6	71	-	-	-
71-80	109	-	-	-	-	7	58	-	-	-
81-90	109	-	-	-	-	4	32	-	-	-
91-100	114	-	-	1	-	3	29	-	-	-
101-110	142	-	-	-	-	3	47	-	-	-
111-120	110	-	-	-	-	1	20	-	-	-
121-130	98	-	-	-	-	1	10	-	-	-
131-140	79	-	-	-	-	-	19	-	-	-
141-150	21	-	-	-	-	-	3	-	-	-
>= 151	18	-	-	-	-	-	9	-	-	-
Total	1,455	145	50	11	129	227	1,187	163	29	39

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

TABLE 5-16 INVOLVEMENT IN TRAIN ACCIDENTS BY TYPE CONSIST, 2007

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	1,406	43.2	87	1,023	187	109	825	349	85	131	16	199	187	357	118	4	541	
Psgr Train	143	4.4	3	23	36	81	124	14	5	-	-	34	36	14	31	7	21	
Commuter Train	49	1.5	3	10	13	23	40	9	-	-	-	9	13	12	6	-	9	
Work Train	11	0.3	3	5	1	2	6	3	1	1	-	2	1	4	1	1	2	
Single Car	113	3.5	22	23	-	68	7	96	3	6	1	5	-	62	31	11	4	
Cut of Cars	210	6.5	32	74	-	104	10	159	10	30	1	8	-	130	38	12	22	
Yard/ Switch	1,119	34.4	115	773	4	227	41	888	20	161	9	62	4	552	128	25	348	
Light loco(s)	152	4.7	40	58	9	45	16	109	9	17	1	8	9	107	12	2	14	
Maint/ Insp car	26	0.8	3	4	4	15	21	2	2	-	1	-	4	20	2	-	-	
Spec MOW Eqp	26	0.8	4	2	3	17	19	2	2	3	-	2	3	18	3	-	-	
Total	3,255	100	312	1,995	257	691	1,109	1,631	137	349	29	329	257	1,276	370	62	961	

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

TABLE 5-17 DAMAGE BY TRACK TYPE, 2007

Track	Total Damage		Equip Damage		Track Damage	
	Amount	Avg	Amount	Avg	Amount	Avg
Main	218,233,525	170,762	149,545,107	117,015	68,688,418	53,747
Yard	65,560,268	35,806	42,779,082	23,364	22,781,186	12,442
Siding	16,240,051	99,025	12,317,687	75,108	3,922,364	23,917
Industry	15,094,810	41,469	11,698,571	32,139	3,396,239	9,330
Other	5,527,210	104,287	3,816,541	72,010	1,710,669	32,277
Total	320,655,864	86,899	220,156,988	59,663	100,498,876	27,235

TABLE 5-18 DAMAGE BY CONSIST TYPE, 2007

Type Equipment	Total Damage		Equip Damage		Track Damage	
	Amount	Avg	Amount	Avg	Amount	Avg
Freight Train	234,732,586	161,328	162,995,904	112,025	71,736,682	49,304
Psgr Train	7,721,481	53,252	7,445,381	51,347	276,100	1,904
Commuter Train	2,374,607	47,492	2,194,899	43,898	179,708	3,594
Work Train	477,586	43,417	456,236	41,476	21,350	1,941
Single Car	2,512,334	19,475	1,422,471	11,027	1,089,863	8,449
Cut of Cars	5,087,872	22,414	4,232,601	18,646	855,271	3,768
Yard/ Switch	47,379,893	39,916	30,245,006	25,480	17,134,887	14,435
Light loco(s)	6,939,446	42,573	6,037,203	37,038	902,243	5,535
Maint/ Insp car	1,977,092	68,176	1,919,092	66,176	58,000	2,000
Spec MOW Eqp	3,426,667	87,863	3,205,996	82,205	220,671	5,658
Other	8,026,300	31,476	2,199	9	8,024,101	31,467
Total	320,655,864	86,899	220,156,988	59,663	100,498,876	27,235

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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, in 2005 it was \$6,700, in 2006 it was \$7,700, and in 2007 it was \$8,200.

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 is 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, 2007

Railroad	Hazmat Consists			Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing		Cnt	Damaged	Releasing	Cnt	People
Alton & Southern	2	-	-	67	2	-	-	-	-
Burlington Northern Santa Fe	268	107	10	15,863	3,115	244	11	4	515
Belt Rwy Of Chicago	2	2	-	80	8	8	-	-	-
Canadian National	45	24	3	3,271	733	69	3	1	200
Canadian Pacific	3	3	-	113	18	8	-	-	-
Conrail Shared Assets	8	6	-	345	92	22	-	-	-
CSX Transportation	121	53	11	7,246	1,410	172	31	10	9,709
Dakota, Minnesota & Eastern	8	4	-	587	81	10	-	-	-
Florida East Coast	3	-	-	156	12	-	-	-	-
Guilford Rail System	1	1	-	45	5	3	-	-	-
Other Railroads	61	36	6	3,208	619	161	12	3	503
Indiana Harbor Belt	2	1	-	132	18	3	-	-	-
Kansas City Southern	40	21	1	2,106	366	61	2	2	292
Montreal, Maine & Atlantic	3	-	-	183	11	-	-	-	-
Montana Rail Link	4	4	-	134	41	13	-	-	-
Norfolk Southern Corp.	37	16	7	2,386	358	42	9	1	100
Paducah & Louisville	2	2	2	55	9	4	2	-	-
Port Auth Trans Hudson	-	-	-	-	0	0	0	-	712
Port Terminal RR Assn	4	2	-	85	73	6	-	-	-
Union Pacific	195	86	6	12,286	2,255	249	6	1	2
Wheeling & Lake Erie	4	-	-	119	11	-	-	-	-
Total	813	368	46	48,467	9,237	1,075	76	22	12,033

TABLE 6-2 CONSISTS TRANSPORTING HAZMAT, BY STATE, 2007

States	Hazmat Consists			Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing		Cnt	Damaged	Releasing	Cnt	People
Alabama	22	10	2	1,301	215	38	4	2	495
Arizona	13	9	2	643	207	34	4	-	-
Arkansas	17	8	-	1,170	191	15	-	-	-
California	41	24	4	2,635	476	58	4	1	2
Colorado	18	6	1	933	274	12	1	1	20
Florida	11	5	1	570	99	13	1	1	160
Georgia	18	4	2	1,144	139	4	2	1	100
Idaho	8	4	-	505	128	9	-	-	-
Illinois	52	14	1	3,436	511	28	1	1	300
Indiana	19	6	1	1,512	238	20	2	-	-
Iowa	21	9	-	1,333	204	48	-	-	-
Kansas	43	18	1	3,022	550	52	2	-	-
Kentucky	11	5	4	612	100	19	10	2	660
Louisiana	52	25	1	2,669	593	64	1	2	83
Maine	3	-	-	183	11	-	-	-	-
Maryland	3	1	-	193	5	3	-	-	-
Massachusetts	2	1	-	106	17	3	-	-	-
Michigan	6	3	-	530	137	15	-	-	-
Minnesota	21	6	1	1,463	137	17	1	2	420
Mississippi	21	9	1	1,597	330	31	2	2	412
Missouri	20	8	2	1,403	125	14	2	1	75
Montana	7	5	-	247	75	17	-	-	-
Nebraska	14	5	-	789	90	12	-	-	-
Nevada	2	1	-	125	10	3	-	-	-
New Jersey	10	7	-	716	254	25	0	-	712
New Mexico	11	5	-	427	104	12	-	-	-
New York	19	13	2	751	246	53	7	3	6,294
North Carolina	7	3	1	486	133	5	1	-	-
North Dakota	8	4	-	489	55	9	-	-	-
Ohio	23	11	4	1,248	167	38	11	1	1,400
Oklahoma	28	12	1	1,869	296	38	1	-	-
Oregon	10	2	-	678	47	2	-	-	-
Pennsylvania	12	7	1	561	44	21	2	-	-
South Carolina	8	3	-	374	51	3	-	-	-
South Dakota	3	2	-	185	140	6	-	-	-
Tennessee	25	9	3	1,453	220	17	4	-	-
Texas	148	77	6	7,461	1,989	219	6	-	-
Utah	6	3	-	280	63	12	-	-	-
Vermont	2	2	2	26	16	16	5	1	400
Virginia	6	3	1	595	49	6	1	-	-
Washington	20	10	-	1,164	151	19	-	-	-
West Virginia	3	3	-	145	76	24	-	1	500
Wisconsin	7	2	-	649	126	2	-	-	-
Wyoming	12	4	1	789	148	19	1	-	-
Total	813	368	46	48,467	9,237	1,075	76	22	12,033

TABLE 6-3 CONSISTS TRANSPORTING HAZMAT, BY SUBCAUSE, 2007

Causes	Hazmat Consists			Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing		Cnt	Damaged	Releasing	Cnt	People
Brakes	6	2	2	388	58	3	2	-	-
Trailer/Container on Flatcar	-	-	-	-	0	0	0	-	210
Body	12	7	2	1,007	135	19	4	1	455
Coupler & Draft System	12	3	-	694	98	6	-	-	-
Truck Components	22	10	3	1,548	362	41	10	1	500
Axles & Journal Bearings	12	4	-	1,050	143	15	-	1	500
Wheels	11	4	1	926	109	14	1	-	-
Locomotives	5	-	-	430	137	-	-	-	-
Doors	3	2	1	158	21	3	1	-	-
Other Mechanical	1	-	-	104	3	-	-	-	-
Brakes, Use of	33	20	2	1,206	231	44	2	4	6,274
Employee Physical Condition	3	-	-	113	14	-	-	-	-
Flagging, Fixed, Hand & Radio	15	6	-	1,031	174	11	-	-	-
General Switching Rules	124	62	7	4,695	967	127	7	1	400
Main Track Authority	6	2	-	456	202	15	-	-	-
Train Handling/Makeup	53	19	1	4,489	573	55	1	1	300
Speed	34	14	1	1,614	333	33	1	-	200
Switches, Use of	63	32	5	3,837	795	81	9	1	100
Miscellaneous Human Factors	8	3	1	514	141	6	1	-	-
Environmental Conditions	9	4	-	521	54	10	-	-	-
Loading Procedures	3	2	1	148	11	3	1	-	-
Highway-Rail Incidents	65	6	-	4,326	718	27	0	1	335
Unusual Operational Situations	34	17	1	1,550	250	32	1	2	42
Other Miscellaneous Causes	12	6	-	1,282	258	16	0	-	302
Signal Defects	14	6	-	584	109	28	-	-	-
Roadbed	11	7	1	546	87	21	1	1	80
Track Geometry	94	49	2	5,510	1,033	150	2	1	3
Rail, Joint Bar & Anchors	95	56	13	6,462	1,345	223	29	7	2,332
Frogs, Switches, Appliances	50	22	2	3,188	841	85	3	-	-
Other Track Defects	3	3	-	90	35	7	-	-	-
Total	813	368	46	48,467	9,237	1,075	76	22	12,033

TABLE 6-4 CONSISTS TRANSPORTING HAZMAT, BY ACCIDENT TYPE, 2007

Type Accident	Hazmat Consists			Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing		Cnt	Damaged	Releasing	Cnt	People
Derailments	541	275	39	34,238	6,607	881	69	17	5,522
Head on collision	4	2	1	251	58	2	1	1	160
Rear end collision	1	1	-	1	1	1	-	-	-
Side collision	74	23	1	4,516	786	57	1	-	-
Raking collision	8	2	-	487	77	4	-	-	-
Highway-rail Impact	64	6	-	4,277	717	27	0	1	335
Obstruction impact	10	3	1	687	88	8	1	1	2
Fire/violent rupture	1	-	-	60	27	-	-	-	-
Other impacts	102	53	4	3,391	702	82	4	2	6,014
Other events	8	3	-	559	174	13	-	-	-
Total	813	368	46	48,467	9,237	1,075	76	22	12,033

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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, in 2005 it was \$6,700, in 2006 it was \$7,700, and in 2007 it was \$8,200.

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

Suicides or attempted suicides, as determined by a coroner or other public authority, at highway-rail grade crossing sites are not reportable. However, the event may be reportable under other criteria. For example, reportable conditions to others must be recorded on Form FRA F 6180.55a, e.g., the engineer sustained a fractured arm.

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

Each reportable casualty resulting from a highway-rail grade crossing impact must also be reported on Form FRA 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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TABLE 7-1 TOTAL HIGHWAY-RAIL INCIDENTS, BY RAILROAD, 2007

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	-	-	-	-	-	-	-	-	-	-	-
Alaska RR Corp.	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Amtrak	135	59	108	95	32	67	22	19	3	17	8	37	1	-	1
Burlington Northern Santa Fe	349	47	143	268	28	111	21	13	6	58	6	25	2	-	1
Belt Rwy Of Chicago	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Canadian National	141	8	63	124	5	57	4	3	1	13	-	5	-	-	-
Canadian Pacific	33	3	11	23	1	7	3	-	1	7	2	3	-	-	-
Conrail Shared Assets	22	-	4	21	-	4	1	-	-	-	-	-	-	-	-
CSX Transportation	450	46	143	370	31	128	12	7	2	67	8	13	1	-	-
Dakota,Minnesota & Eastern	30	4	10	25	4	8	-	-	-	5	-	2	-	-	-
Florida East Coast	36	3	11	27	-	9	9	3	2	-	-	-	-	-	-
Other Railroads	353	17	90	286	13	68	12	2	8	54	2	14	1	-	-
Indiana Harbor Belt	6	-	1	4	-	1	-	-	-	2	-	-	-	-	-
Kansas City Southern	80	9	36	68	8	33	-	-	-	12	1	3	-	-	-
Long Island Rail Road	11	2	1	4	-	-	7	2	1	-	-	-	-	-	-
MD Assn. of Rail Comm	2	-	1	2	-	1	-	-	-	-	-	-	-	-	-
Mass Bay Transit Auth.	3	-	-	3	-	-	-	-	-	-	-	-	-	-	-
Montreal, Maine & Atlantic	4	-	1	4	-	1	-	-	-	-	-	-	-	-	-
Metro North Commuter	2	-	4	2	-	4	-	-	-	-	-	-	-	-	-
Montana Rail Link	7	-	1	6	-	1	-	-	-	1	-	-	-	-	-
Northern IN Comm Trans	6	3	1	6	3	1	-	-	-	-	-	-	-	-	-
Northeast IL Reg Comm	15	4	6	13	3	4	2	1	2	-	-	-	-	-	-
New Jersey Transit Rail	10	3	1	10	3	1	-	-	-	-	-	-	-	-	-
Norfolk Southern Corp.	444	41	135	346	27	113	14	8	5	83	5	17	1	1	-
Paducah & Louisville	2	-	1	2	-	1	-	-	-	-	-	-	-	-	-
Peninsula Comm San Mateo Cnty	7	1	-	4	1	-	3	-	-	-	-	-	-	-	-
Port Terminal RR Assn	6	-	25	3	-	-	-	-	-	3	-	25	-	-	-
Southern CA Reg Rail Auth.	18	5	5	15	4	4	2	1	1	1	-	-	-	-	-
Southeastern PA Trans.	4	2	12	3	1	12	1	1	-	-	-	-	-	-	-
Term RR Assn Of St. Louis	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Union Pacific	542	77	221	438	60	186	23	10	4	76	5	28	5	2	3
Union RR (Pittsburgh)	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Wheeling & Lake Erie	20	1	13	20	1	13	-	-	-	-	-	-	-	-	-
Wisconsin & Southern RR	10	-	2	9	-	2	1	-	-	-	-	-	-	-	-
Total	2,754	335	1,050	2,205	225	837	137	70	36	401	37	172	11	3	5

TABLE 7-2 TOTAL HIGHWAY-RAIL INCIDENTS, BY STATE, 2007

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	104	15	39	94	14	38	1	1	-	9	-	1	-	-	-
Alaska	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Arizona	38	-	9	29	-	5	3	-	2	6	-	2	-	-	-
Arkansas	72	12	35	60	8	34	4	2	-	8	2	1	-	-	-
California	162	45	72	114	27	61	23	15	7	25	3	4	-	-	-
Colorado	31	2	10	22	2	5	-	-	-	9	-	5	-	-	-
Connecticut	3	-	4	3	-	4	-	-	-	-	-	-	-	-	-
Delaware	6	-	3	5	-	3	-	-	-	1	-	-	-	-	-
Florida	90	20	64	70	11	28	11	5	2	9	4	34	-	-	-
Georgia	138	17	46	108	13	41	6	3	1	24	1	4	-	-	-
Idaho	21	3	4	18	2	4	2	1	-	1	-	-	-	-	-
Illinois	153	28	68	113	16	53	18	12	5	21	-	10	1	-	-
Indiana	163	19	48	140	14	44	7	4	2	16	1	2	-	-	-
Iowa	82	7	27	71	6	26	3	1	1	8	-	-	-	-	-
Kansas	57	9	18	45	7	13	4	2	1	8	-	4	-	-	-
Kentucky	75	9	21	58	7	14	2	-	1	15	2	6	-	-	-
Louisiana	121	14	57	95	11	48	-	-	-	26	3	9	-	-	-
Maine	5	1	1	5	1	1	-	-	-	-	-	-	-	-	-
Maryland	16	1	5	13	-	3	-	-	-	3	1	2	-	-	-
Massachusetts	9	-	2	7	-	1	-	-	-	1	-	-	1	-	1
Michigan	66	3	19	60	1	16	2	2	-	4	-	3	-	-	-
Minnesota	59	5	18	47	3	13	1	1	-	11	1	5	-	-	-
Mississippi	69	3	23	64	2	21	-	-	-	5	1	2	-	-	-
Missouri	43	7	26	33	6	18	1	-	-	8	1	7	1	-	1
Montana	18	2	4	13	-	3	2	2	-	3	-	1	-	-	-
Nebraska	52	8	16	39	6	12	2	1	-	9	-	2	2	1	2
Nevada	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
New Hampshire	2	-	-	1	-	-	-	-	-	1	-	-	-	-	-
New Jersey	30	3	4	25	3	3	-	-	-	5	-	1	-	-	-
New Mexico	14	7	7	9	3	6	2	2	-	2	2	-	1	-	1
New York	49	5	12	31	-	10	8	3	1	9	2	1	1	-	-
North Carolina	68	5	20	56	4	19	1	1	-	10	-	1	1	-	-
North Dakota	13	4	4	9	2	3	2	1	1	2	1	-	-	-	-
Ohio	120	8	40	110	5	39	4	3	1	6	-	-	-	-	-
Oklahoma	59	9	36	52	8	34	3	1	2	4	-	-	-	-	-
Oregon	26	1	4	18	-	3	1	-	1	5	-	-	2	1	-
Pennsylvania	81	5	28	52	2	24	4	2	1	24	-	3	1	1	-
South Carolina	66	7	30	55	3	24	3	1	2	8	3	4	-	-	-
South Dakota	12	1	3	12	1	3	-	-	-	-	-	-	-	-	-
Tennessee	71	6	21	60	3	19	1	-	1	10	3	1	-	-	-
Texas	296	34	141	255	29	100	4	1	1	37	4	40	-	-	-
Utah	17	-	6	14	-	6	2	-	-	1	-	-	-	-	-
Vermont	4	-	-	3	-	-	-	-	-	1	-	-	-	-	-
Virginia	35	-	12	19	-	9	-	-	-	16	-	3	-	-	-
Washington	48	6	16	33	2	5	5	3	1	10	1	10	-	-	-
West Virginia	26	-	4	13	-	4	-	-	-	13	-	-	-	-	-
Wisconsin	59	3	22	48	2	16	5	-	2	6	1	4	-	-	-
Wyoming	3	1	1	2	1	1	-	-	-	1	-	-	-	-	-
Total	2,754	335	1,050	2,205	225	837	137	70	36	401	37	172	11	3	5

TABLE 7-3 TOTAL HRC CASUALTIES, BY STATE AND AGE GROUP, 2007

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	10	17	4.7	6	-	7	33	46	4.4
Arizona	-	-	-	2	2	0.6	1	-	-	4	5	0.5
Arkansas	1	-	1	6	8	2.2	3	1	7	29	40	3.8
California	1	2	2	18	23	6.4	6	2	5	46	59	5.6
Colorado	-	1	1	4	6	1.7	1	1	1	15	18	1.7
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	4.7	5	-	4	12	21	2.0
Georgia	-	-	3	9	12	3.3	2	2	2	20	26	2.5
Idaho	-	-	-	1	1	0.3	-	-	-	6	6	0.6
Illinois	1	1	3	26	31	8.6	10	3	10	59	82	7.8
Indiana	-	-	3	18	21	5.8	4	2	4	22	32	3.0
Iowa	-	-	1	5	6	1.7	1	3	6	22	32	3.0
Kansas	-	-	-	7	7	1.9	2	1	5	24	32	3.0
Kentucky	-	-	3	4	7	1.9	6	-	9	11	26	2.5
Louisiana	-	4	3	13	20	5.6	6	5	6	27	44	4.2
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	4	14	1.3
Minnesota	2	1	4	2	9	2.5	2	3	6	17	28	2.7
Mississippi	-	-	2	8	10	2.8	5	3	5	17	30	2.9
Missouri	-	-	2	15	17	4.7	4	8	2	18	32	3.0
Montana	-	-	-	3	3	0.8	-	-	1	3	4	0.4
Nebraska	-	1	4	7	12	3.3	4	2	5	11	22	2.1
Nevada	-	-	-	1	1	0.3	-	-	-	-	0	0.0
New Jersey	-	-	-	2	2	0.6	4	-	-	7	11	1.0
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	-	2	35	38	3.6
North Dakota	-	-	2	6	8	2.2	-	-	-	4	4	0.4
Ohio	-	1	2	5	8	2.2	3	3	6	34	46	4.4
Oklahoma	1	-	1	4	6	1.7	6	-	5	23	34	3.2
Oregon	-	-	-	1	1	0.3	1	-	1	2	4	0.4
Pennsylvania	-	-	3	2	5	1.4	4	-	5	13	22	2.1
South Carolina	-	-	2	7	9	2.5	-	2	4	11	17	1.6
South Dakota	-	1	-	1	2	0.6	3	1	-	5	9	0.9
Tennessee	2	-	-	5	7	1.9	3	-	5	20	28	2.7
Texas	-	-	1	22	23	6.4	8	4	18	114	144	13.7
Utah	-	-	-	2	2	0.6	-	1	-	8	9	0.9
Vermont	-	-	-	-	0	0.0	1	-	-	2	3	0.3
Virginia	-	-	-	2	2	0.6	-	2	2	9	13	1.2
Washington	-	-	-	6	6	1.7	1	2	-	11	14	1.3
West Virginia	-	-	-	1	1	0.3	1	1	-	2	4	0.4
Wisconsin	1	1	1	10	13	3.6	2	-	3	15	20	1.9
Wyoming	-	-	-	-	0	0.0	-	-	-	1	1	0.1
Total	16	18	52	273	359	100.0	116	52	142	741	1,051	100.0

TABLE 7-4 TOTAL HIGHWAY-RAIL INCIDENTS, BY MONTH, 2007

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	248	30	104	193	16	62	17	11	7	35	3	35	3	-	-
February	268	26	99	230	20	92	6	3	1	32	3	6	-	-	-
March	188	24	51	153	18	45	7	4	-	27	2	6	1	-	-
April	216	22	59	162	14	38	11	4	6	42	3	15	1	1	-
May	204	31	78	156	19	62	15	9	3	32	2	13	1	1	-
June	205	28	67	160	23	57	6	4	2	37	1	7	2	-	1
July	221	28	121	180	17	81	14	7	1	25	3	36	2	1	3
August	240	38	100	189	25	84	15	8	5	36	5	11	-	-	-
September	228	31	75	178	22	65	15	5	4	35	4	6	-	-	-
October	258	30	125	205	19	100	13	4	6	39	7	18	1	-	1
November	218	19	78	173	12	69	10	5	1	35	2	8	-	-	-
December	260	28	93	226	20	82	8	6	-	26	2	11	-	-	-
Total	2,754	335	1,050	2,205	225	837	137	70	36	401	37	172	11	3	5

TABLE 7-5 TOTAL HIGHWAY-RAIL INCIDENTS, BY DAY, 2007

Rail Equip Struck Highway User

Day	Total Incidents		Total		At Public Crossing						At Private Crossing					
					Motor Vehicle			Other			Motor Vehicle			Other		
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Sunday	195	7.08	40	77	152	31	62	9	5	2	34	4	13	-	-	-
Monday	311	11.29	39	101	231	22	77	14	7	4	65	10	19	1	-	1
Tuesday	338	12.27	40	167	257	26	88	23	9	6	55	5	72	3	-	1
Wednesday	363	13.18	41	102	282	29	80	17	8	6	61	3	16	3	1	-
Thursday	353	12.82	46	147	282	29	127	19	13	3	50	3	17	2	1	-
Friday	381	13.83	42	138	286	21	113	25	14	6	70	7	19	-	-	-
Saturday	245	8.90	42	89	194	26	74	19	10	5	30	5	7	2	1	3
Total	2,186	79.38	290	821	1,684	184	621	126	66	32	365	37	163	11	3	5

Highway User Struck Rail Equip

Day	Total Incidents		Total		At Public Crossing						At Private Crossing		
					Motor Vehicle			Other			Motor Vehicle		
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Sunday	64	2.32	6	34	61	6	33	1	-	-	2	-	1
Monday	72	2.61	7	23	67	7	21	1	-	1	4	-	1
Tuesday	85	3.09	6	27	77	4	25	3	2	-	5	-	2
Wednesday	82	2.98	6	30	75	5	27	3	1	2	4	-	1
Thursday	95	3.45	11	39	86	11	36	1	-	1	8	-	2
Friday	75	2.72	3	39	65	2	38	2	1	-	8	-	1
Saturday	95	3.45	6	37	90	6	36	-	-	-	5	-	1
Total	568	20.62	45	229	521	41	216	11	4	4	36	-	9

Grand Total

Day	Total Incidents		Total		At Public Crossing						At Private Crossing					
					Motor Vehicle			Other			Motor Vehicle			Other		
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Sunday	259	9.40	46	111	213	37	95	10	5	2	36	4	14	-	-	-
Monday	383	13.91	46	124	298	29	98	15	7	5	69	10	20	1	-	1
Tuesday	423	15.36	46	194	334	30	113	26	11	6	60	5	74	3	-	1
Wednesday	445	16.16	47	132	357	34	107	20	9	8	65	3	17	3	1	-
Thursday	448	16.27	57	186	368	40	163	20	13	4	58	3	19	2	1	-
Friday	456	16.56	45	177	351	23	151	27	15	6	78	7	20	-	-	-
Saturday	340	12.35	48	126	284	32	110	19	10	5	35	5	8	2	1	3
Total	2,754	100.0	335	1050	2,205	225	837	137	70	36	401	37	172	11	3	5

TABLE 7-6 TOTAL HIGHWAY-RAIL INCIDENTS, BY HOUR OF DAY, 2007

Hour of Day	Total Incidents		Total		At Public Crossing						At Private Crossing					
					Motor Vehicle			Other			Motor Vehicle			Other		
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
AM																
1	60	2.18	8	10	53	6	10	3	1	-	4	1	-	-	-	-
2	84	3.05	6	23	71	4	19	3	1	1	9	-	1	1	1	2
3	55	2.00	5	13	47	5	12	-	-	-	8	-	1	-	-	-
4	57	2.07	7	12	46	6	10	4	1	1	7	-	1	-	-	-
5	65	2.36	8	20	53	8	18	1	-	-	11	-	2	-	-	-
6	70	2.54	5	21	60	3	18	2	2	-	8	-	3	-	-	-
7	134	4.87	11	77	108	8	44	5	1	3	21	2	30	-	-	-
8	127	4.61	16	41	106	10	36	7	3	1	14	3	4	-	-	-
9	143	5.19	15	57	111	13	48	2	1	-	30	1	9	-	-	-
10	154	5.59	23	55	119	17	43	6	5	1	27	1	11	2	-	-
11	154	5.59	18	73	111	11	52	8	4	1	34	3	19	1	-	1
12	77	2.80	14	23	62	10	21	5	3	2	10	1	-	-	-	-
Total	1,180	42.85	136	425	947	101	331	46	22	10	183	12	81	4	1	3
PM																
1	156	5.66	20	63	116	12	49	8	4	4	30	3	10	2	1	-
2	168	6.10	31	63	134	20	52	7	5	1	26	6	9	1	-	1
3	180	6.54	23	136	155	19	95	5	1	3	20	3	38	-	-	-
4	164	5.95	18	50	120	11	41	8	4	1	36	3	8	-	-	-
5	153	5.56	22	49	125	13	45	9	6	2	18	3	2	1	-	-
6	120	4.36	16	44	102	11	41	7	3	2	11	2	1	-	-	-
7	114	4.14	11	36	89	5	30	9	5	2	15	1	3	1	-	1
8	99	3.59	15	27	76	5	22	13	9	2	10	1	3	-	-	-
9	80	2.90	9	34	62	5	26	6	4	2	11	-	6	1	-	-
10	85	3.09	9	25	71	8	20	4	1	2	10	-	3	-	-	-
11	101	3.67	9	27	82	3	26	10	5	1	9	1	-	-	-	-
12	154	5.59	16	71	126	12	59	5	1	4	22	2	8	1	1	-
Total	1,574	57.15	199	625	1,258	124	506	91	48	26	218	25	91	7	2	2
Total	2,754	100.0	335	1050	2,205	225	837	137	70	36	401	37	172	11	3	5

TABLE 7-7 TOTAL HIGHWAY-RAIL INCIDENTS, BY TYPE HIGHWAY USER, 2007

Rail Equip Struck Highway User

Highway User	Total Incidents		Total		At Public Crossing						At Private Crossing					
					Motor Vehicle			Other			Motor Vehicle			Other		
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Car	863	31.34	101	275	778	89	259	-	-	-	85	12	16	-	-	-
Truck	158	5.74	25	117	124	22	75	-	-	-	34	3	42	-	-	-
Trk& Trail	445	16.16	14	133	324	8	103	-	-	-	121	6	30	-	-	-
Pickup Trk	349	12.67	45	136	275	36	101	-	-	-	74	9	35	-	-	-
Van	103	3.74	19	55	85	17	51	-	-	-	18	2	4	-	-	-
Bus	2	0.07	-	24	1	-	-	-	-	-	1	-	24	-	-	-
School Bus	1	0.04	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Motorcycle	3	0.11	1	-	3	1	-	-	-	-	-	-	-	-	-	-
Oth Mtr V.	125	4.54	16	44	93	11	32	-	-	-	32	5	12	-	-	-
Pedestrian	101	3.67	55	28	-	-	-	96	53	26	-	-	-	5	2	2
Other	36	1.31	14	9	-	-	-	30	13	6	-	-	-	6	1	3
Total	2,186	79.38	290	821	1,684	184	621	126	66	32	365	37	163	11	3	5

Highway User Struck Rail Equip

Highway User	Total Incidents		Total		At Public Crossing						At Private Crossing		
					Motor Vehicle			Other			Motor Vehicle		
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Car	290	10.53	10	119	285	10	117	-	-	-	5	-	2
Truck	41	1.49	2	9	33	2	7	-	-	-	8	-	2
Trk& Trail	40	1.45	4	10	27	4	9	-	-	-	13	-	1
Pickup Trk	122	4.43	9	53	114	9	49	-	-	-	8	-	4
Van	26	0.94	-	9	26	-	9	-	-	-	-	-	-
Motorcycle	4	0.15	1	2	4	1	2	-	-	-	-	-	-
Oth Mtr V.	34	1.23	15	23	32	15	23	-	-	-	2	-	-
Pedestrian	6	0.22	2	2	-	-	-	6	2	2	-	-	-
Other	5	0.18	2	2	-	-	-	5	2	2	-	-	-
Total	568	20.62	45	229	521	41	216	11	4	4	36	-	9

Grand Total

Highway User	Total Incidents		Total		At Public Crossing						At Private Crossing					
					Motor Vehicle			Other			Motor Vehicle			Other		
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Car	1,153	41.87	111	394	1,063	99	376	-	-	-	90	12	18	-	-	-
Truck	199	7.23	27	126	157	24	82	-	-	-	42	3	44	-	-	-
Trk& Trail	485	17.61	18	143	351	12	112	-	-	-	134	6	31	-	-	-
Pickup Trk	471	17.10	54	189	389	45	150	-	-	-	82	9	39	-	-	-
Van	129	4.68	19	64	111	17	60	-	-	-	18	2	4	-	-	-
Bus	2	0.07	-	24	1	-	-	-	-	-	1	-	24	-	-	-
School Bus	1	0.04	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Motorcycle	7	0.25	2	2	7	2	2	-	-	-	-	-	-	-	-	-
Oth Mtr V.	159	5.77	31	67	125	26	55	-	-	-	34	5	12	-	-	-
Pedestrian	107	3.89	57	30	-	-	-	102	55	28	-	-	-	5	2	2
Other	41	1.49	16	11	-	-	-	35	15	8	-	-	-	6	1	3
Total	2,754	100.0	335	1050	2,205	225	837	137	70	36	401	37	172	11	3	5

TABLE 7-8 TOTAL HIGHWAY-RAIL INCIDENTS, BY USER, 2007
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	863	31.3	631	60	38	9	2	1	43	56	11	12
Truck	158	5.7	99	19	3	1	1	-	17	12	5	1
Trk& Trail	445	16.2	338	17	4	-	-	-	49	33	2	2
Pickup Trk	349	12.7	273	25	3	1	1	-	22	14	4	6
Van	103	3.7	75	6	2	2	-	-	10	7	-	1
Bus	2	0.1	-	-	1	-	-	-	-	1	-	-
School Bus	1	0.0	1	-	-	-	-	-	-	-	-	-
Motorcycle	3	0.1	3	-	-	-	-	-	-	-	-	-
Oth Mtr V.	125	4.5	106	2	-	-	-	-	7	8	1	1
Pedestrian	101	3.7	59	36	3	-	-	-	-	2	-	1
Other	36	1.3	25	3	1	-	-	-	2	5	-	-
Total	2,186	79.4	1,610	168	55	13	4	1	150	138	23	24

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	290	10.5	204	8	2	-	1	2	40	21	5	7
Truck	41	1.5	29	1	1	-	-	-	7	3	-	-
Trk& Trail	40	1.5	24	-	-	-	-	1	11	3	-	1
Pickup Trk	122	4.4	90	2	-	1	-	-	10	12	3	4
Van	26	0.9	18	-	-	-	-	1	3	1	-	3
Motorcycle	4	0.1	4	-	-	-	-	-	-	-	-	-
Oth Mtr V.	34	1.2	24	-	-	1	-	1	6	1	1	-
Pedestrian	6	0.2	4	-	-	-	-	-	1	-	1	-
Other	5	0.2	3	1	-	-	-	-	1	-	-	-
Total	568	20.6	400	12	3	2	1	5	79	41	10	15

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	1,153	41.9	835	68	40	9	3	3	83	77	16	19
Truck	199	7.2	128	20	4	1	1	-	24	15	5	1
Trk& Trail	485	17.6	362	17	4	-	-	1	60	36	2	3
Pickup Trk	471	17.1	363	27	3	2	1	-	32	26	7	10
Van	129	4.7	93	6	2	2	-	1	13	8	-	4
Bus	2	0.1	-	-	1	-	-	-	-	1	-	-
School Bus	1	0.0	1	-	-	-	-	-	-	-	-	-
Motorcycle	7	0.3	7	-	-	-	-	-	-	-	-	-
Oth Mtr V.	159	5.8	130	2	-	1	-	1	13	9	2	1
Pedestrian	107	3.9	63	36	3	-	-	-	1	2	1	1
Other	41	1.5	28	4	1	-	-	-	3	5	-	-
Total	2,754	100.0	2,010	180	58	15	5	6	229	179	33	39

TABLE 7-9 TOTAL HIGHWAY-RAIL INCIDENTS, BY WARNING DEVICE, 2007

Warning	Total Incidents		Total		At Public Crossing						At Private Crossing					
					Motor Vehicle			Other			Motor Vehicle			Other		
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Unknown	79	2.87	3	15	11	-	2	2	1	1	64	2	12	2	-	-
Other	11	0.40	1	3	-	-	-	-	-	-	11	1	3	-	-	-
Cross bucks	647	23.49	61	258	569	51	233	8	3	1	68	7	24	2	-	-
Stop signs	469	17.03	65	248	246	37	116	4	1	-	213	24	128	6	3	4
Special warning	41	1.49	-	9	26	-	8	-	-	-	15	-	1	-	-	-
HWTS,WW,Bells	21	0.76	-	5	21	-	5	-	-	-	-	-	-	-	-	-
Flashing lights	453	16.45	46	153	428	43	146	5	-	3	20	3	4	-	-	-
Gates	1,033	37.51	159	359	904	94	327	118	65	31	10	-	-	1	-	1
Total	2,754	100.0	335	1,050	2,205	225	837	137	70	36	401	37	172	11	3	5

TABLE 7-10 TOTAL HIGHWAY-RAIL INCIDENTS, BY WEATHER, 2007

Rail Equip Struck Highway User

Type Weather	Total Incidents		At Public Crossing									At Private Crossing					
			Total		Motor Vehicle			Other			Motor Vehicle			Other			
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	
Clear	1,550	56.28	215	605	1,201	143	475	91	44	24	252	28	103	6	-	3	
Cloudy	423	15.36	56	143	320	30	105	25	17	6	76	7	30	2	2	2	
Rain	140	5.08	13	55	108	7	27	6	3	1	23	2	27	3	1	-	
Fog	25	0.91	1	6	18	1	2	1	-	1	6	-	3	-	-	-	
Sleet	4	0.15	-	3	3	-	3	-	-	-	1	-	-	-	-	-	
Snow	44	1.60	5	9	34	3	9	3	2	-	7	-	-	-	-	-	
Total	2,186	79.38	290	821	1,684	184	621	126	66	32	365	37	163	11	3	5	

Highway User Struck Rail Equip

Type Weather	Total Incidents		At Public Crossing									At Private Crossing		
			Total		Motor Vehicle			Other			Motor Vehicle			
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	
Clear	363	13.18	30	134	334	27	129	9	3	3	20	-	2	
Cloudy	127	4.61	13	53	113	12	47	2	1	1	12	-	5	
Rain	35	1.27	2	22	32	2	21	-	-	-	3	-	1	
Fog	19	0.69	-	13	19	-	13	-	-	-	-	-	-	
Snow	24	0.87	-	7	23	-	6	-	-	-	1	-	1	
Total	568	20.62	45	229	521	41	216	11	4	4	36	-	9	

Grand total

Type Weather		Total Incidents		At Public Crossing										At Private Crossing					
				Total		Motor Vehicle			Other					Motor Vehicle			Other		
		Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal		
Clear	1,913	69.46	245	739	1,535	170	604	100	47	27	272	28	105	6	-	3			
Cloudy	550	19.97	69	196	433	42	152	27	18	7	88	7	35	2	2	2			
Rain	175	6.35	15	77	140	9	48	6	3	1	26	2	28	3	1	-			
Fog	44	1.60	1	19	37	1	15	1	-	1	6	-	3	-	-	-			
Sleet	4	0.15	-	3	3	-	3	-	-	-	1	-	-	-	-	-			
Snow	68	2.47	5	16	57	3	15	3	2	-	8	-	1	-	-	-			
Total	2,754	100.0	335	1,050	2,205	225	837	137	70	36	401	37	172	11	3	5			

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CHAPTER 8

HIGHWAY-RAIL INCIDENTS AT PUBLIC CROSSINGS THAT INVOLVE MOTOR VEHICLES

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

- Q1. A man driving a truck did not see a train occupying a highway-rail grade crossing and lost control of his vehicle when he slammed on the brakes to avoid a collision. His truck ended up in the ditch with considerable damage, and he broke his arm. Which 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 hit a signal stand at a highway crossing and was injured, but there was no on-track equipment present, nor were railroad employees in the vicinity. Is this reportable?
- A2. No. The regulation exempts the reporting of motor vehicle accidents at highway-rail grade crossing sites when they do not involve the presence of on-track equipment or railroad employees.
- Q3. A motorist in an off-road vehicle was waiting behind several automobiles at a crossing site where the gates were down and a standing train was occupying the track. He apparently became impatient and drove his vehicle off the highway and parallel to the track to a point where he could cross over the track behind the train. His vehicle stalled on a parallel set of tracks and he was unable to start it. He exited his truck just before a train on the adjacent track hit it. Should this be reported as a highway-rail accident/incident or any other type?
- A3. An event such as this would not qualify as a highway-rail grade crossing collision since the motor vehicle operator had left the highway of his own choosing and his vehicle was struck at a location other than a designated crossing site. The event would be reportable as an obstruction accident on Form 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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TABLE 8-1 RATES FOR MOTOR VEHICLE INCIDENTS AT PUBLIC CROSSINGS BY STATE, 2007

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	94	3.26	1.99	1.58	14	0.49	0.30	0.24	38	1.32	8.03	0.06
Alaska	1	0.46	0.14	0.19	.	.	.	.	.	.	.	.
Arizona	29	3.85	0.67	1.11	.	.	.	.	5	0.66	1.16	0.02
Arkansas	60	2.04	2.92	1.70	8	0.27	0.39	0.23	34	1.16	16.56	0.10
California	114	1.77	0.34	0.33	27	0.42	0.08	0.08	61	0.95	1.80	0.02
Colorado	22	1.26	1.14	0.66	2	0.11	0.10	0.06	5	0.29	2.60	0.02
Connecticut	3	0.81	0.10	0.23	.	.	.	.	4	1.08	1.28	0.03
Delaware	5	1.81	0.60	0.41	.	.	.	.	3	1.08	3.59	0.02
Dist Of Columbia	.	.	.	.	.	.	.	.	.	.	.	.
Florida	70	1.79	0.41	0.36	11	0.28	0.06	0.06	28	0.71	1.65	0.01
Georgia	108	1.96	1.28	1.18	13	0.24	0.15	0.14	41	0.74	4.86	0.04
Hawaii	.	.	.	.	.	.	.	.	.	.	.	.
Idaho	18	1.39	1.36	1.05	2	0.15	0.15	0.12	4	0.31	3.02	0.02
Illinois	113	1.42	1.11	0.56	16	0.20	0.16	0.08	53	0.66	5.21	0.03
Indiana	140	2.34	2.74	1.01	14	0.23	0.27	0.10	44	0.74	8.62	0.03
Iowa	71	1.61	2.02	1.32	6	0.14	0.17	0.11	26	0.59	7.41	0.05
Kansas	45	0.79	1.83	0.97	7	0.12	0.28	0.15	13	0.23	5.28	0.03
Kentucky	58	2.43	1.60	1.55	7	0.29	0.19	0.19	14	0.59	3.87	0.04
Louisiana	95	2.98	2.41	1.48	11	0.34	0.28	0.17	48	1.50	12.20	0.07
Maine	5	0.60	0.45	0.25	1	0.12	0.09	0.05	1	0.12	0.89	0.01
Maryland	13	1.96	0.29	0.54	.	.	.	.	3	0.45	0.66	0.01
Massachusetts	7	0.84	0.13	0.14	.	.	.	.	1	0.12	0.18	0.00
Michigan	60	1.22	0.71	0.43	1	0.02	0.01	0.01	16	0.32	1.90	0.01
Minnesota	47	1.00	0.96	0.72	3	0.06	0.06	0.05	13	0.28	2.64	0.02
Mississippi	64	2.74	3.16	1.50	2	0.09	0.10	0.05	21	0.90	10.37	0.05
Missouri	33	0.82	0.65	0.78	6	0.15	0.12	0.14	18	0.45	3.57	0.04
Montana	13	0.93	1.13	1.02	.	.	.	.	3	0.22	2.60	0.02
Nebraska	39	1.28	2.20	2.02	6	0.20	0.34	0.31	12	0.39	6.78	0.06
Nevada	1	0.36	0.07	0.14	.	.	.	.	.	.	.	.
New Hampshire	1	0.29	0.09	0.14	.	.	.	.	.	.	.	.
New Jersey	25	1.61	0.41	0.27	3	0.19	0.05	0.03	3	0.19	0.49	0.00
New Mexico	9	1.23	0.55	0.94	3	0.41	0.18	0.31	6	0.82	3.69	0.06
New York	31	1.09	0.27	0.41	.	.	.	.	10	0.35	0.87	0.01
North Carolina	56	1.38	0.87	0.50	4	0.10	0.06	0.04	19	0.47	2.96	0.02
North Dakota	9	0.26	1.22	0.86	2	0.06	0.27	0.19	3	0.09	4.07	0.03
Ohio	110	1.80	0.99	0.75	5	0.08	0.04	0.03	39	0.64	3.49	0.03
Oklahoma	52	1.33	1.58	1.21	8	0.20	0.24	0.19	34	0.87	10.32	0.08
Oregon	18	0.85	0.59	0.40	.	.	.	.	3	0.14	0.98	0.01
Pennsylvania	52	1.22	0.51	0.42	2	0.05	0.02	0.02	24	0.56	2.35	0.02
Rhode Island	.	.	.	.	.	.	.	.	.	.	.	.
South Carolina	55	2.00	1.55	0.90	3	0.11	0.08	0.05	24	0.87	6.78	0.04
South Dakota	12	0.60	1.34	1.05	1	0.05	0.11	0.09	3	0.15	3.34	0.03
Tennessee	60	2.11	1.15	1.03	3	0.11	0.06	0.05	19	0.67	3.64	0.03
Texas	255	2.63	1.43	0.72	29	0.30	0.16	0.08	100	1.03	5.59	0.03
Utah	14	1.81	0.61	0.79	.	.	.	.	6	0.78	2.62	0.03
Vermont	3	0.60	0.48	0.39	.	.	.	.	.	.	.	.
Virginia	19	0.95	0.28	0.35	.	.	.	.	9	0.45	1.34	0.02
Washington	33	1.30	0.56	0.71	2	0.08	0.03	0.04	5	0.20	0.85	0.01
West Virginia	13	0.88	0.88	0.82	.	.	.	.	4	0.27	2.70	0.03
Wisconsin	48	1.17	0.92	0.53	2	0.05	0.04	0.02	16	0.39	3.05	0.02
Wyoming	2	0.51	0.29	0.57	1	0.25	0.15	0.29	1	0.25	1.47	0.03
Total...	2,205	1.60	0.88	0.69	225	0.16	0.09	0.07	837	0.61	3.35	0.03

TABLE 8-2 RATES FOR MOTOR VEHICLE INCIDENTS AT PUBLIC CROSSINGS, BY WARNING DEVICE, 2007

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	11	0.29	0.13	.	.	.	2	0.05	0.00	3,754
Other	.	.	.	.	.	.	.	.	.	395
Cross bucks	569	1.02	1.42	51	0.09	0.13	233	0.42	0.06	55,688
Stop signs	246	2.19	4.27	37	0.33	0.64	116	1.03	0.20	11,244
Special warning	26	1.10	0.32	.	.	.	8	0.34	0.01	2,358
HWTS,WW,Bells	21	1.72	0.46	.	.	.	5	0.41	0.01	1,222
Flashing lights	428	1.89	0.48	43	0.19	0.05	146	0.65	0.02	22,634
Gates	904	2.24	0.55	94	0.23	0.06	327	0.81	0.02	40,339
Total	2,205	1.60	0.69	225	0.16	0.07	837	0.61	0.03	137,634

TABLES 8-3 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS, BY RAILROAD AND TYPE WARNING, 2007

Railroads	Types of Warning							Type Incident	
	Unknown	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
Amtrak	-	12	7	-	-	6	70	86	9
Burlington Northern Santa Fe	2	74	13	4	1	46	128	206	62
Canadian National	-	40	20	1	-	35	28	93	31
Canadian Pacific	1	4	6	-	-	2	10	21	2
Conrail Shared Assets	1	1	2	2	-	10	5	10	11
CSX Transportation	1	66	36	4	-	97	166	280	90
Dakota,Minnesota & Eastern	-	13	5	-	-	6	1	16	9
Florida East Coast	-	-	-	-	-	-	27	22	5
Other Railroads	2	130	32	7	16	65	34	187	99
Indiana Harbor Belt	-	-	-	-	-	-	4	-	4
Kansas City Southern	-	40	-	1	1	11	15	50	18
Long Island Rail Road	-	-	-	-	-	-	4	4	-
MD Assn. of Rail Comm	-	-	-	-	-	-	2	2	-
Mass Bay Transit Auth.	-	-	-	-	-	2	1	2	1
Montreal, Maine & Atlantic	-	2	-	-	-	1	1	2	2
Metro North Commuter	-	-	1	-	-	-	1	2	-
Montana Rail Link	-	4	1	-	1	-	-	3	3
Northern IN Comm Trans	-	-	-	-	1	2	3	4	2
Northeast IL Reg Comm	-	-	-	-	-	-	13	13	-
New Jersey Transit Rail	-	-	-	-	-	-	10	9	1
Norfolk Southern Corp.	2	57	44	2	-	75	166	290	56
Paducah & Louisville	-	1	-	-	-	1	-	2	-
Peninsula Comm San Mateo Cnty	-	-	-	-	-	-	4	4	-
Port Terminal RR Assn	-	3	-	-	-	-	-	1	2
Southern CA Reg Rail Auth.	-	-	-	-	-	-	15	15	-
Southeastern PA Trans.	-	-	-	-	-	-	3	3	-
Term RR Assn Of St. Louis	-	-	-	-	-	2	-	1	1
Union Pacific	2	104	72	5	1	64	190	341	97
Wheeling & Lake Erie	-	17	2	-	-	1	-	11	9
Wisconsin & Southern RR	-	-	5	-	-	2	2	4	5
Total	11	569	246	26	21	428	904	1,684	521

**TABLES 8-4 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY STATE AND TYPE WARNING, 2007**

States	Type of Warning						
	Unknown	Cross bucks	Stop signs	Special warning	HWTS, WW,Bells	Flashing lights	Gates
Alabama	-	18	21	1	1	30	23
Alaska	-	1	-	-	-	-	-
Arizona	-	1	-	1	-	12	15
Arkansas	-	16	19	2	2	11	10
California	-	10	1	1	4	8	90
Colorado	-	9	5	-	-	-	8
Connecticut	-	-	1	-	-	-	2
Delaware	-	-	-	-	-	3	2
Florida	-	2	3	-	1	4	60
Georgia	1	18	24	1	-	20	44
Idaho	-	2	12	-	-	3	1
Illinois	2	24	4	-	-	30	53
Indiana	-	20	15	1	1	37	66
Iowa	-	39	6	-	1	13	12
Kansas	-	24	3	-	-	3	15
Kentucky	-	12	2	-	-	30	14
Louisiana	1	41	13	1	-	18	21
Maine	-	2	1	-	-	1	1
Maryland	-	2	1	1	-	5	4
Massachusetts	-	-	-	-	-	4	3
Michigan	-	13	14	1	-	12	20
Minnesota	-	15	11	-	-	12	9
Mississippi	-	15	10	1	-	19	19
Missouri	-	15	1	2	2	6	7
Montana	-	8	1	1	1	-	2
Nebraska	-	19	3	-	-	1	16
Nevada	-	-	-	-	-	-	1
New Hampshire	-	1	-	-	-	-	-
New Jersey	1	1	1	1	-	7	14
New Mexico	-	1	1	-	1	1	5
New York	-	1	-	-	1	6	23
North Carolina	1	19	-	-	-	7	29
North Dakota	-	6	-	-	-	-	3
Ohio	-	43	4	2	-	13	48
Oklahoma	-	28	1	-	-	10	13
Oregon	1	4	7	-	1	-	5
Pennsylvania	2	16	4	2	2	13	13
South Carolina	-	11	9	-	-	9	26
South Dakota	-	8	1	-	-	3	-
Tennessee	-	19	4	1	-	13	23
Texas	1	56	20	1	1	34	142
Utah	-	4	5	1	-	3	1
Vermont	-	2	1	-	-	-	-
Virginia	-	3	-	1	-	3	12
Washington	1	8	4	3	2	5	10
West Virginia	-	3	-	-	-	6	4
Wisconsin	-	9	13	-	-	12	14
Wyoming	-	-	-	-	-	1	1
Total	11	569	246	26	21	428	904

**TABLE 8-5 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY TYPE CONSIST AND CONSIST SPEED, 2007**

Rail Equip Struck Highway User

Consist Speed								Whistle Ban?			
	Total	Freight Train	Psgr Trn	Work Train	Car(s)	Yard Switch	Light loco(s)	A	Unk	Yes	No
Unknown	-	-	-	-	-	-	-	-	-	-	-
1-9	256	114	10	-	14	71	34	13	3	20	233
10-19	209	136	11	1	7	17	31	6	7	6	196
20-29	277	246	10	3	2	2	12	2	2	15	260
30-39	334	307	14	4	-	2	7	-	8	15	311
40-49	348	317	20	3	-	-	8	-	7	15	326
50-59	154	131	18	1	-	1	3	-	5	3	146
>= 60	106	26	77	-	1	-	2	-	6	3	97
Total	1,684	1,277	160	12	24	93	97	21	38	77	1,569

Highway User Struck Rail Equip

Consist Speed								Whistle Ban?			
	Total	Freight Train	Psgr Trn	Work Train	Car(s)	Yard Switch	Light loco(s)	A	Unk	Yes	No
Unknown	62	40	-	-	7	9	2	4	-	3	59
1-9	141	65	3	-	6	43	16	8	2	6	133
10-19	99	72	2	1	-	13	9	2	4	6	89
20-29	65	59	2	-	-	-	3	1	1	2	62
30-39	49	47	1	-	1	-	-	-	1	3	45
40-49	67	63	1	-	-	-	3	-	1	4	62
50-59	32	28	1	1	-	-	2	-	-	1	31
>= 60	6	1	4	-	-	-	1	-	1	-	5
Total	521	375	14	2	14	65	36	15	10	25	486

Grand Total

Consist Speed								Whistle Ban?			
	Total	Freight Train	Psgr Trn	Work Train	Car(s)	Yard Switch	Light loco(s)	A	Unk	Yes	No
Unknown	62	40	-	-	7	9	2	4	-	3	59
1-9	397	179	13	-	20	114	50	21	5	26	366
10-19	308	208	13	2	7	30	40	8	11	12	285
20-29	342	305	12	3	2	2	15	3	3	17	322
30-39	383	354	15	4	1	2	7	-	9	18	356
40-49	415	380	21	3	-	-	11	-	8	19	388
50-59	186	159	19	2	-	1	5	-	5	4	177
>= 60	112	27	81	-	1	-	3	-	7	3	102
Total	2,205	1,652	174	14	38	158	133	36	48	102	2,055

**TABLE 8-6 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY TYPE WARNING, MOTORIST ACTION, AND WARNING LOCATION, 2007**

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	10	0.5	-	1	7	-	2	9	1	-	-
Cross bucks	424	19.2	-	32	279	109	4	1	397	25	1
Stop signs	206	9.3	-	29	117	59	1	-	199	7	-
Special warning	12	0.5	-	1	7	4	-	-	12	-	-
HWTs,WW,Bells	11	0.5	-	-	6	5	-	-	11	-	-
Flashing lights	286	13.0	-	31	159	94	2	-	283	3	-
Gates	735	33.3	214	15	8	347	151	-	713	19	3
Total	1,684	76.4	214	109	583	618	160	10	1,616	54	4

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	1	0.0	-	-	1	-	-	1	-	-	-
Cross bucks	145	6.6	-	6	136	-	3	-	133	11	1
Stop signs	40	1.8	-	1	39	-	-	-	38	2	-
Special warning	14	0.6	-	2	11	-	1	-	11	3	-
HWTs,WW,Bells	10	0.5	-	3	7	-	-	-	9	1	-
Flashing lights	142	6.4	-	9	130	-	3	-	138	4	-
Gates	169	7.7	140	8	3	1	17	-	167	2	-
Total	521	23.6	140	29	327	1	24	1	496	23	1

Grand Total

Type Warning	Total		Motorist					Warning Location			
	Cnt	%	Drove around thru gate	Stopped then proceed	Did not stop	Other	Unknown	Not reported	Both sides	Veh Apr	Opp. Veh Apr
Unknown	11	0.5	-	1	8	-	2	10	1	-	-
Cross bucks	569	25.8	-	38	415	109	7	1	530	36	2
Stop signs	246	11.2	-	30	156	59	1	-	237	9	-
Special warning	26	1.2	-	3	18	4	1	-	23	3	-
HWTs,WW,Bells	21	1.0	-	3	13	5	-	-	20	1	-
Flashing lights	428	19.4	-	40	289	94	5	-	421	7	-
Gates	904	41.0	354	23	11	348	168	-	880	21	3
Total	2,205	100.0	354	138	910	619	184	11	2,112	77	5

**TABLE 8-7 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY TYPE VEHICLE, VEHICLE SPEED AND DRIVER GENDER, 2007**

Rail Equip Struck Highway User

Vehicle Speed									Driver Gender	
	Total	Car	Trucks	Trk& Trail	Van	Buses	Oth Mtr V.	?	M	F
Unknown	97	50	19	20	3	-	5	10	56	31
Stopped	726	376	142	127	38	2	41	53	478	195
1-9	393	144	115	91	16	-	27	7	288	98
10-19	232	94	55	57	14	-	12	2	173	57
20-29	142	65	45	19	8	-	5	1	103	38
30-39	57	33	11	8	3	-	2	1	42	14
40-49	24	9	7	1	3	-	4	1	14	9
50-59	9	5	4	-	-	-	-	1	6	2
>= 60	4	2	1	1	-	-	-	-	3	1
Total	1,684	778	399	324	85	2	96	76	1,163	445

Highway User Struck Rail Equip

Vehicle Speed									Driver Gender	
	Total	Car	Trucks	Trk& Trail	Van	Buses	Oth Mtr V.	?	M	F
Unknown	32	15	10	4	1	-	2	2	27	3
Stopped	1	-	-	-	-	-	1	-	1	-
1-9	164	102	37	9	7	-	9	6	110	48
10-19	87	45	26	4	9	-	3	3	65	19
20-29	74	41	23	2	2	-	6	7	48	19
30-39	61	34	14	3	5	-	5	-	43	18
40-49	51	29	18	1	1	-	2	1	39	11
50-59	32	11	14	3	1	-	3	-	27	5
>= 60	19	8	5	1	-	-	5	-	17	2
Total	521	285	147	27	26	-	36	19	377	125

Grand Total

Vehicle Speed									Driver Gender	
	Total	Car	Trucks	Trk& Trail	Van	Buses	Oth Mtr V.	?	M	F
Unknown	129	65	29	24	4	-	7	12	83	34
Stopped	727	376	142	127	38	2	42	53	479	195
1-9	557	246	152	100	23	-	36	13	398	146
10-19	319	139	81	61	23	-	15	5	238	76
20-29	216	106	68	21	10	-	11	8	151	57
30-39	118	67	25	11	8	-	7	1	85	32
40-49	75	38	25	2	4	-	6	2	53	20
50-59	41	16	18	3	1	-	3	1	33	7
>= 60	23	10	6	2	-	-	5	-	20	3
Total	2,205	1,063	546	351	111	2	132	95	1,540	570

**TABLE 8-8 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY VEHICLE SPEED, WEATHER AND CONDITION OF DRIVER, 2007**

Rail Equip Struck Highway User

Vehicle Speed								Driver			
	Total	Clear	Cloudy	Rain	Fog	Sleet	Snow	?	Kld	Nonfatal	Unhurt
Unknown	97	65	21	6	3	1	1	1	9	20	67
Stopped	726	515	127	55	9	-	20	9	25	82	610
1-9	393	279	84	20	2	2	6	2	42	120	229
10-19	232	168	45	15	1	-	3	1	23	76	132
20-29	142	105	25	8	1	-	3	-	16	36	90
30-39	57	39	13	3	1	-	1	-	7	19	31
40-49	24	22	2	-	-	-	-	-	5	9	10
50-59	9	5	2	1	1	-	-	-	2	3	4
>= 60	4	3	1	-	-	-	-	-	-	3	1
Total	1,684	1,201	320	108	18	3	34	13	129	368	1,174

Highway User Struck Rail Equip

Vehicle Speed								Driver			
	Total	Clear	Cloudy	Rain	Fog	Sleet	Snow	?	Kld	Nonfatal	Unhurt
Unknown	32	20	5	3	3	-	1	-	-	13	19
Stopped	1	-	-	1	-	-	-	-	-	-	1
1-9	164	107	36	6	8	-	7	1	1	41	121
10-19	87	56	16	7	3	-	5	-	3	13	71
20-29	74	47	18	6	1	-	2	-	3	21	50
30-39	61	38	13	3	2	-	5	1	1	25	34
40-49	51	36	7	4	2	-	2	-	-	21	30
50-59	32	18	11	2	-	-	1	-	8	12	12
>= 60	19	12	7	-	-	-	-	-	8	9	2
Total	521	334	113	32	19	-	23	2	24	155	340

Grand Total

Vehicle Speed								Driver			
	Total	Clear	Cloudy	Rain	Fog	Sleet	Snow	?	Kld	Nonfatal	Unhurt
Unknown	129	85	26	9	6	1	2	1	9	33	86
Stopped	727	515	127	56	9	-	20	9	25	82	611
1-9	557	386	120	26	10	2	13	3	43	161	350
10-19	319	224	61	22	4	-	8	1	26	89	203
20-29	216	152	43	14	2	-	5	-	19	57	140
30-39	118	77	26	6	3	-	6	1	8	44	65
40-49	75	58	9	4	2	-	2	-	5	30	40
50-59	41	23	13	3	1	-	1	-	10	15	16
>= 60	23	15	8	-	-	-	-	-	8	12	3
Total	2,205	1,535	433	140	37	3	57	15	153	523	1,514

**TABLE 8-9 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY DRIVER AGE, GENDER, AND TYPE VEHICLE, 2007**

Age	Total		Type Vehicle										Driver Gender		
	Cnt	%	Car	Truck	Trk& Pickup		Van	Bus	School	Motorcycle	Oth	?	M	F	
					Trail	Trk			Bus		Mtr				V.
Unknown	333	15.1	183	30	34	52	18	-	-		1	15	92	183	58
11-15	12	0.5	7	1	-	-	-	-	-		-	4	-	8	4
16-20	195	8.8	138	8	3	30	4	-	-		-	12	-	121	74
21-25	229	10.4	134	16	10	43	12	-	-		1	13	-	159	70
26-30	250	11.3	133	17	34	47	7	-	-		-	12	-	190	60
31-35	167	7.6	73	15	30	23	16	-	-		2	8	-	121	46
36-40	164	7.4	60	12	44	27	8	-	-		-	13	-	127	37
41-45	174	7.9	54	12	46	36	15	-	-		1	10	1	132	41
46-50	162	7.3	49	16	46	27	12	-	-		-	12	1	121	40
51-55	151	6.8	52	10	47	29	7	1	-		1	4	-	120	31
56-60	116	5.3	51	9	23	21	6	-	-		-	6	-	78	38
61-65	65	2.9	23	3	14	13	3	-	-		1	8	-	52	13
66-70	58	2.6	23	3	13	15	1	-	1		-	2	1	45	12
Other	129	5.9	83	5	7	26	2	-	-		-	6	-	83	46
Total	2,205	100.0	1,063	157	351	389	111	1	1		7	125	95	1,540	570

**TABLE 8-10 MOTOR VEHICLES THAT STRUCK CONSIST AT PUBLIC CROSSINGS,
BY CONSIST LENGTH, PORTION OF TRAIN STRUCK AND WARNING TYPE, 2007**

Consist Length	Position of Consist Struck						Type of Warning						
	Total	1st car/ loco	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Unknown	Cross bucks	Stop signs	Special warning	HWTS, WW, Bells	Flashing lights	Gates
1	35	35	-	-	-	-	-	12	2	-	-	12	9
2-5	73	58	-	2	4	9	1	24	6	5	4	21	12
6-10	38	31	1	-	3	3	-	12	4	4	1	15	2
11-15	38	26	2	3	4	3	-	14	2	2	-	8	12
16-20	22	13	4	-	3	2	-	6	3	1	1	4	7
21-25	15	9	2	-	1	3	-	4	1	-	2	5	3
26-30	23	13	2	3	2	3	-	8	1	-	-	10	4
31-35	16	7	5	3	1	-	-	2	2	-	-	8	4
36-40	18	9	2	2	5	-	-	6	1	-	-	5	6
41-45	11	5	3	1	-	2	-	4	-	-	-	3	4
46-50	18	8	4	3	1	2	-	3	2	-	-	7	6
51-60	29	14	6	4	2	3	-	8	1	-	1	5	14
61-70	18	8	5	1	3	1	-	5	1	-	-	4	8
71-80	24	10	4	2	3	5	-	6	2	-	-	4	12
81-90	29	14	10	1	1	3	-	6	2	-	-	7	14
91-100	16	5	2	1	1	7	-	4	1	-	-	5	6
> 100	98	23	32	16	8	19	-	21	9	2	1	19	46
-Total	521	288	84	42	42	65	1	145	40	14	10	142	169

**TABLE 8-11 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY CONSIST LENGTH, TYPE CONSIST, AND DRIVER GENDER, 2007**

Rail Equip Struck Highway User

Train Equip Breakdown by Consist Length										Driver Gender	
Consist Length	Freight		Psgr Comm Work		Car(s)	Yard Switch	Light loco(s)	A	?	M	F
	Total	Train	Trn	Train							
???	1	-	-	-	-	-	-	1	-	1	-
1	83	-	-	-	23	-	40	20	3	52	28
2-5	161	39	51	4	1	13	53	-	7	97	57
6-10	151	59	68	2	-	18	4	-	5	102	44
11-15	115	60	40	1	-	14	-	-	4	75	36
16-20	65	53	1	-	-	11	-	-	4	45	16
21-25	60	57	-	-	-	3	-	-	2	44	14
26-30	52	46	-	1	-	5	-	-	3	32	17
31-35	56	50	-	1	-	5	-	-	7	39	10
36-40	59	54	-	-	-	5	-	-	4	40	15
41-45	63	57	-	-	-	6	-	-	2	44	17
46-50	35	32	-	1	-	2	-	-	1	23	11
51-60	111	107	-	1	-	3	-	-	4	83	24
61-70	95	95	-	-	-	-	-	-	1	70	24
71-80	100	97	-	-	-	3	-	-	3	77	20
81-90	86	83	-	-	-	3	-	-	3	57	26
91-100	97	95	-	1	-	1	-	-	12	69	16
> 100	294	293	-	-	-	1	-	-	11	213	70
Total	1,684	1,277	160	12	24	93	97	21	76	1,163	445

Highway User Struck Rail Equip

Highway User Struck Rail Equip										Driver Gender	
Consist Length											
	Total	Freight Train	Psgr Trn	Work Train	Car(s)	Yard Switch	Light loco(s)	A	?	M	F
???	-	-	-	-	-	-	-	-	-	-	-
1	35	-	-	-	8	-	13	14	1	24	10
2-5	73	24	4	-	2	19	23	1	3	56	14
6-10	38	19	4	-	2	13	-	-	-	26	12
11-15	38	21	6	-	1	10	-	-	3	24	11
16-20	22	19	-	-	1	2	-	-	1	15	6
21-25	15	13	-	-	-	2	-	-	-	13	2
26-30	23	17	-	1	-	5	-	-	2	15	6
31-35	16	14	-	-	-	2	-	-	-	13	3
36-40	18	14	-	-	-	4	-	-	1	11	6
41-45	11	9	-	-	-	2	-	-	-	9	2
46-50	18	17	-	-	-	1	-	-	-	13	5
51-60	29	28	-	-	-	1	-	-	2	22	5
61-70	18	18	-	-	-	-	-	-	-	15	3
71-80	24	23	-	1	-	-	-	-	-	17	7
81-90	29	28	-	-	-	1	-	-	1	22	6
91-100	16	16	-	-	-	-	-	-	1	11	4
> 100	98	95	-	-	-	3	-	-	4	71	23
Total	521	375	14	2	14	65	36	15	19	377	125

**TABLE 8-12 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY TYPE CONSIST, NUMBER OF PEOPLE ON TRAIN, AND TYPE PERSON HURT, 2007**

Consist	People on Train		Total		Hwy User		RR Employees		Others	
	Total	Avg	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal
Freight Train	3,835	2	162	642	161	594	1	51	0	-3
Psgr Train	15,978	131	35	88	35	38	0	12	0	38
Commuter Train	8,828	170	15	9	15	8	0	0	0	1
Work Train	30	2	1	3	1	3	0	0	0	0
Single Car	4	1	-	1	0	1	0	0	0	0
Cut of Cars	6	1	-	2	0	2	0	0	0	0
Yard/ Switch	437	3	8	39	8	38	0	3	0	-2
Light loco(s)	318	2	3	31	3	27	0	4	0	0
Maint Insp car	42	2	-	10	0	8	0	6	0	-4
Spec MOW Eqp	42	1	1	12	1	12	0	0	0	0
Total	29,520	13	225	837	224	731	1	76	0	30

**TABLE 8-13 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY TYPE VEHICLE, NUMBER OF OCCUPANTS, AND VEHICLE DAMAGE, 2007**

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	1,267	1	4,904,815	4,614	99	376	99	371	0	8	0	-3
Truck	188	1	1,458,670	9,291	24	82	24	46	0	14	0	22
Trk& Trail	346	1	5,951,688	16,956	12	112	11	58	1	44	0	10
Pickup Trk	494	1	2,068,861	5,318	45	150	45	145	0	5	0	0
Van	145	1	505,162	4,551	17	60	17	56	0	3	0	1
Bus	12	12	1,000	1,000	-	-	0	0	0	0	0	0
School Bus	16	16	2,000	2,000	-	-	0	0	0	0	0	0
Motorcycle	4	1	24,000	3,429	2	2	2	2	0	0	0	0
Oth Mtr V.	154	1	1,107,900	8,863	26	55	26	53	0	2	0	0
Total	2,626	1	16,024,096	7,267	225	837	224	731	1	76	0	30

**TABLE 8-14 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY TYPE WARNING. POSITION ON CROSSING AND IF HAZMAT WAS RELEASED, 2007**

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	10	0.5	1	1	8	-	-	3	-	7
Cross bucks	424	19.2	15	99	310	-	4	93	1	326
Stop signs	206	9.3	8	51	146	1	-	50	-	156
Special warning	12	0.5	-	4	8	-	-	1	-	11
HWTS,WW,Bells	11	0.5	-	3	6	2	-	1	-	10
Flashing lights	286	13.0	15	78	191	2	-	55	1	230
Gates	735	33.3	108	343	245	39	2	194	5	534
Total	1,684	76.4	147	579	914	44	6	397	7	1,274

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	1	0.0	-	-	1	-	-	-	-	1
Cross bucks	145	6.6	-	-	144	1	-	25	-	120
Stop signs	40	1.8	-	-	40	-	-	9	-	31
Special warning	14	0.6	-	-	14	-	-	3	-	11
HWTS,WW,Bells	10	0.5	-	-	10	-	-	1	-	9
Flashing lights	142	6.4	-	-	142	-	1	29	-	112
Gates	169	7.7	-	1	167	1	-	45	1	123
Total	521	23.6	-	1	518	2	1	112	1	407

Grand Total

Type Warning	Total		Position on Crossing				Hazmat Released By			
	Cnt	%	Stalled	Stopped	Moving	Trapped	Hwy User	Rail User	Both	Neither
Unknown	11	0.5	1	1	9	-	-	3	-	8
Cross bucks	569	25.8	15	99	454	1	4	118	1	446
Stop signs	246	11.2	8	51	186	1	-	59	-	187
Special warning	26	1.2	-	4	22	-	-	4	-	22
HWTS,WW,Bells	21	1.0	-	3	16	2	-	2	-	19
Flashing lights	428	19.4	15	78	333	2	1	84	1	342
Gates	904	41.0	108	344	412	40	2	239	6	657
Total	2,205	100.0	147	580	1,432	46	7	509	8	1,681

**TABLE 8-15 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY TYPE VEHICLE AND WARNING, 2007**

Rail Equip Struck Highway User

Type Vehicle	Total		Unknown	Cross bucks	Stop signs	Special warning	HWTS, WW, Bells	Flashing lights	Gates
	Cnt	%							
Car	778	35.3	2	173	67	6	6	141	383
Truck	124	5.6	1	45	22	2	2	15	37
Trk& Trail	324	14.7	3	90	43	-	2	56	130
Pickup Trk	275	12.5	1	75	44	2	1	49	103
Van	85	3.9	1	16	14	2	-	13	39
Bus	1	0.0	-	-	-	-	-	-	1
School Bus	1	0.0	-	-	1	-	-	-	-
Motorcycle	3	0.1	-	-	1	-	-	-	2
Oth Mtr V.	93	4.2	2	25	14	-	-	12	40
Total	1,684	76.4	10	424	206	12	11	286	735

Highway User Struck Rail Equip

Type Vehicle	Total		Unknown	Cross bucks	Stop signs	Special warning	HWTS, WW, Bells	Flashing lights	Gates
	Cnt	%							
Car	285	12.9	1	79	21	9	9	68	98
Truck	33	1.5	-	9	1	2	-	15	6
Trk& Trail	27	1.2	-	10	1	-	-	6	10
Pickup Trk	114	5.2	-	38	14	2	1	32	27
Van	26	1.2	-	4	-	1	-	11	10
Bus	-	0.0	-	-	-	-	-	-	-
School Bus	-	0.0	-	-	-	-	-	-	-
Motorcycle	4	0.2	-	2	1	-	-	1	-
Oth Mtr V.	32	1.5	-	3	2	-	-	9	18
Total	521	23.6	1	145	40	14	10	142	169

Grand Total

Type Vehicle	Total		Unknown	Cross bucks	Stop signs	Special warning	HWTS, WW, Bells	Flashing lights	Gates
	Cnt	%							
Car	1,063	48.2	3	252	88	15	15	209	481
Truck	157	7.1	1	54	23	4	2	30	43
Trk& Trail	351	15.9	3	100	44	-	2	62	140
Pickup Trk	389	17.6	1	113	58	4	2	81	130
Van	111	5.0	1	20	14	3	-	24	49
Bus	1	0.0	-	-	-	-	-	-	1
School Bus	1	0.0	-	-	1	-	-	-	-
Motorcycle	7	0.3	-	2	2	-	-	1	2
Oth Mtr V.	125	5.7	2	28	16	-	-	21	58
Total	2,205	100.0	11	569	246	26	21	428	904

**TABLE 8-16 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSING,
BY WARNING STATUS FOR ACCIDENTS OCCURING AT CROSSINGS
WITH TRAIN ACTIVATED DEVICES BY TYPE VEHICLE, 2007**

Rail Equip Struck Highway User

Type Vehicle	Status of Warning System								
	Total	Unknown	Provided Minimum 20 Secs.	Alleged > 60 Secs.	Alleged < 20 Secs.	Alleged No Warning	Confirm > 60 Secs.	Confirm < 20 Secs.	Confirm No Warning
Car	530	-	508	8	2	-	1	-	11
Truck	54	-	51	1	1	-	-	-	1
Trk& Trail	188	-	185	1	1	-	-	-	1
Pickup Trk	153	-	147	2	-	-	-	-	4
Van	52	-	47	3	-	-	1	-	1
Bus	1	-	1	-	-	-	-	-	-
Motorcycle	2	-	2	-	-	-	-	-	-
Oth Mtr V.	52	-	52	-	-	-	-	-	-
Total	1,032	-	993	15	4	-	2	-	18

Highway User Struck Rail Equip

Type Vehicle	Status of Warning System								
	Total	Unknown	Provided Minimum 20 Secs.	Alleged > 60 Secs.	Alleged < 20 Secs.	Alleged No Warning	Confirm > 60 Secs.	Confirm < 20 Secs.	Confirm No Warning
Car	175	1	167	2	1	-	-	1	3
Truck	21	-	20	-	1	-	-	-	-
Trk& Trail	16	-	15	-	-	-	-	-	1
Pickup Trk	60	-	57	-	1	-	-	-	2
Van	21	-	19	1	-	1	-	-	-
Bus	-	-	-	-	-	-	-	-	-
Motorcycle	1	-	-	-	-	-	-	-	1
Oth Mtr V.	27	-	25	1	-	-	-	-	1
Total	321	1	303	4	3	1	-	1	8

Grand Total

Type Vehicle	Status of Warning System								
	Total	Unknown	Provided Minimum 20 Secs.	Alleged > 60 Secs.	Alleged < 20 Secs.	Alleged No Warning	Confirm > 60 Secs.	Confirm < 20 Secs.	Confirm No Warning
Car	705	1	675	10	3	-	1	1	14
Truck	75	-	71	1	2	-	-	-	1
Trk& Trail	204	-	200	1	1	-	-	-	2
Pickup Trk	213	-	204	2	1	-	-	-	6
Van	73	-	66	4	-	1	1	-	1
Bus	1	-	1	-	-	-	-	-	-
Motorcycle	3	-	2	-	-	-	-	-	1
Oth Mtr V.	79	-	77	1	-	-	-	-	1
Total	1,353	1	1,296	19	7	1	2	1	26

CHAPTER 9

HIGHWAY-RAIL GRADE CROSSING INVENTORY

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

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

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

The Inventory Data File is a record of grade crossing locations, and physical and operational characteristics to provide information for the administration and statistical analysis of crossings. This information is reported on a voluntary basis to FRA on the U.S. DOT-AAR Crossing Inventory Form (6180.71).

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

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

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TABLE 9-1 AT-GRADE HIGHWAY-RAIL CROSSINGS, BY RAILROAD, 2007

Railroads	Total		Pedestrian		Private Vehicle		Public Vehicle	
	Cnt	%	Cnt	%	Cnt	%	Cnt	%
Alton & Southern	40	0.0	-	-	25	0.0	15	0.0
Alaska RR Corp.	330	0.1	9	0.0	106	0.0	215	0.1
Amtrak	288	0.1	19	0.0	63	0.0	206	0.1
Bangor & Aroostook	504	0.2	5	0.0	342	0.2	157	0.1
Burlington Northern Santa Fe	27,270	12.1	201	0.1	9,509	4.2	17,560	7.8
Belt Rwy Of Chicago	119	0.1	-	-	83	0.0	36	0.0
Canadian National	10,578	4.7	125	0.1	3,695	1.6	6,758	3.0
Canadian Pacific	4,109	1.8	62	0.0	2,035	0.9	2,012	0.9
Conrail Shared Assets	2,256	1.0	20	0.0	855	0.4	1,381	0.6
CSX Transportation	26,313	11.7	300	0.1	9,065	4.0	16,948	7.5
Dakota,Minnesota & Eastern	3,103	1.4	16	0.0	1,093	0.5	1,994	0.9
Florida East Coast	841	0.4	12	0.0	108	0.0	721	0.3
Guilford Rail System	1,201	0.5	12	0.0	528	0.2	661	0.3
Other Railroads	70,729	31.5	545	0.2	29,078	12.9	41,106	18.3
Indiana Harbor Belt	93	0.0	-	-	37	0.0	56	0.0
Kansas City Southern	4,903	2.2	10	0.0	1,984	0.9	2,909	1.3
Long Island Rail Road	345	0.2	11	0.0	45	0.0	289	0.1
MD Assn. of Rail Comm	133	0.1	4	0.0	78	0.0	51	0.0
Mass Bay Transit Auth.	340	0.2	8	0.0	33	0.0	299	0.1
Metro North Commuter	165	0.1	5	0.0	71	0.0	89	0.0
Montana Rail Link	1,121	0.5	3	0.0	706	0.3	412	0.2
Northern IN Comm Trans	139	0.1	7	0.0	23	0.0	109	0.0
Northeast IL Reg Comm	397	0.2	115	0.1	28	0.0	254	0.1
New Jersey Transit Rail	466	0.2	25	0.0	92	0.0	349	0.2
Norfolk Southern Corp.	28,729	12.8	124	0.1	10,958	4.9	17,647	7.9
Paducah & Louisville	374	0.2	4	0.0	149	0.1	221	0.1
Port Auth Trans Hudson	2	0.0	-	-	2	0.0	-	-
Port Terminal RR Assn	171	0.1	1	0.0	101	0.0	69	0.0
Southern CA Reg Rail Auth.	352	0.2	19	0.0	34	0.0	299	0.1
Southeastern PA Trans.	254	0.1	11	0.0	32	0.0	211	0.1
Term RR Assn Of St. Louis	125	0.1	-	-	11	0.0	114	0.1
Union Pacific	36,621	16.3	255	0.1	13,250	5.9	23,116	10.3
Union RR (Pittsburgh)	53	0.0	6	0.0	39	0.0	8	0.0
Wheeling & Lake Erie	978	0.4	8	0.0	413	0.2	557	0.2
Wisconsin & Southern RR	1,329	0.6	21	0.0	503	0.2	805	0.4
Total	224,771	100.0	1,963	0.9	85,174	37.9	137,634	61.2

TABLE 9-2 AT-GRADE HIGHWAY-RAIL CROSSINGS, BY STATE, 2007

States	Total		Pedestrian		Private Vehicle		Public Vehicle	
	Cnt	%	Cnt	%	Cnt	%	Cnt	%
Alabama	4,518	2.0	18	0.0	1,617	0.7	2,883	1.3
Alaska	334	0.1	9	0.0	106	0.0	219	0.1
Arizona	1,269	0.6	6	0.0	509	0.2	754	0.3
Arkansas	4,353	1.9	8	0.0	1,406	0.6	2,939	1.3
California	10,117	4.5	153	0.1	3,530	1.6	6,434	2.9
Colorado	2,834	1.3	23	0.0	1,069	0.5	1,742	0.8
Connecticut	657	0.3	9	0.0	278	0.1	370	0.2
Delaware	423	0.2	2	0.0	144	0.1	277	0.1
Dist Of Columbia	40	0.0	10	0.0	22	0.0	8	0.0
Florida	5,264	2.3	61	0.0	1,284	0.6	3,919	1.7
Georgia	7,906	3.5	40	0.0	2,355	1.0	5,511	2.5
Hawaii	8	0.0	-	-	-	-	8	0.0
Idaho	2,432	1.1	13	0.0	1,125	0.5	1,294	0.6
Illinois	12,316	5.5	341	0.2	3,998	1.8	7,977	3.5
Indiana	7,988	3.6	47	0.0	1,966	0.9	5,975	2.7
Iowa	7,321	3.3	44	0.0	2,876	1.3	4,401	2.0
Kansas	8,783	3.9	27	0.0	3,064	1.4	5,692	2.5
Kentucky	4,811	2.1	35	0.0	2,394	1.1	2,382	1.1
Louisiana	6,027	2.7	32	0.0	2,803	1.2	3,192	1.4
Maine	1,679	0.7	9	0.0	834	0.4	836	0.4
Maryland	1,351	0.6	20	0.0	668	0.3	663	0.3
Massachusetts	1,360	0.6	25	0.0	499	0.2	836	0.4
Michigan	7,270	3.2	71	0.0	2,262	1.0	4,937	2.2
Minnesota	7,369	3.3	56	0.0	2,628	1.2	4,685	2.1
Mississippi	4,254	1.9	16	0.0	1,899	0.8	2,339	1.0
Missouri	6,883	3.1	60	0.0	2,783	1.2	4,040	1.8
Montana	3,264	1.5	15	0.0	1,855	0.8	1,394	0.6
Nebraska	5,062	2.3	9	0.0	2,000	0.9	3,053	1.4
Nevada	500	0.2	3	0.0	220	0.1	277	0.1
New Hampshire	604	0.3	16	0.0	240	0.1	348	0.2
New Jersey	2,103	0.9	47	0.0	504	0.2	1,552	0.7
New Mexico	1,217	0.5	-	-	488	0.2	729	0.3
New York	5,699	2.5	76	0.0	2,781	1.2	2,842	1.3
North Carolina	7,071	3.1	51	0.0	2,967	1.3	4,053	1.8
North Dakota	4,870	2.2	15	0.0	1,338	0.6	3,517	1.6
Ohio	9,279	4.1	35	0.0	3,125	1.4	6,119	2.7
Oklahoma	5,281	2.3	13	0.0	1,358	0.6	3,910	1.7
Oregon	4,730	2.1	82	0.0	2,532	1.1	2,116	0.9
Pennsylvania	7,404	3.3	102	0.0	3,028	1.3	4,274	1.9
Rhode Island	137	0.1	26	0.0	39	0.0	72	0.0
South Carolina	3,992	1.8	9	0.0	1,231	0.5	2,752	1.2
South Dakota	3,090	1.4	7	0.0	1,094	0.5	1,989	0.9
Tennessee	4,592	2.0	22	0.0	1,730	0.8	2,840	1.3
Texas	15,102	6.7	31	0.0	5,370	2.4	9,701	4.3
Utah	1,338	0.6	3	0.0	563	0.3	772	0.3
Vermont	1,167	0.5	44	0.0	625	0.3	498	0.2
Virginia	4,579	2.0	40	0.0	2,546	1.1	1,993	0.9
Washington	5,131	2.3	42	0.0	2,557	1.1	2,532	1.1
West Virginia	3,412	1.5	52	0.0	1,875	0.8	1,485	0.7
Wisconsin	6,485	2.9	87	0.0	2,288	1.0	4,110	1.8
Wyoming	1,095	0.5	1	0.0	701	0.3	393	0.2
Total	224,771	100.0	1,963	0.9	85,174	37.9	137,634	61.2

**TABLE 9-3 PUBLIC AT-GRADE CROSSINGS,
BY WARNING DEVICE AND RAILROAD, 2007**

Railroads	Total		Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS, WW, Bells	Flashing lights	Gates
	Cnt	%								
Alton & Southern	15	0.01	-	-	3	-	-	-	7	5
Alaska RR Corp.	215	0.16	8	2	89	28	7	-	18	63
Amtrak	206	0.15	7	2	10	6	5	-	5	171
Bangor & Aroostook	157	0.11	-	-	58	3	5	-	86	5
Burlington Northern Santa Fe	17,560	12.76	307	20	8,182	770	114	75	1,933	6,159
Belt Rwy Of Chicago	36	0.03	4	-	13	-	1	-	8	10
Canadian National	6,758	4.91	79	18	2,329	876	58	28	1,451	1,919
Canadian Pacific	2,012	1.46	45	1	886	250	5	6	156	663
Conrail Shared Assets	1,381	1.00	123	29	315	26	216	24	471	177
CSX Transportation	16,948	12.31	420	11	3,970	1,363	290	182	3,295	7,417
Dakota, Minnesota & Eastern	1,994	1.45	33	-	1,172	207	5	7	318	252
Florida East Coast	721	0.52	9	-	34	4	27	-	32	615
Guilford Rail System	661	0.48	20	4	149	32	61	8	218	169
Other Railroads	41,106	29.87	1,304	221	22,034	3,997	1,019	501	7,173	4,857
Indiana Harbor Belt	56	0.04	2	-	11	-	1	-	12	30
Kansas City Southern	2,909	2.11	56	-	1,540	143	12	17	440	701
Long Island Rail Road	289	0.21	-	1	5	-	-	-	-	283
MD Assn. of Rail Comm	51	0.04	7	-	11	6	4	7	9	7
Mass Bay Transit Auth.	299	0.22	14	-	35	2	17	3	23	205
Metro North Commuter	89	0.06	2	-	13	1	7	1	29	36
Montana Rail Link	412	0.30	6	-	202	40	-	-	66	98
Northern IN Comm Trans	109	0.08	5	-	27	5	-	1	37	34
Northeast IL Reg Comm	254	0.18	41	-	-	1	-	-	5	207
New Jersey Transit Rail	349	0.25	7	-	26	1	7	1	75	232
Norfolk Southern Corp.	17,647	12.82	578	48	5,162	1,438	285	85	3,213	6,838
Paducah & Louisville	221	0.16	10	-	86	11	-	1	93	20
Port Terminal RR Assn	69	0.05	6	-	24	3	-	-	11	25
Southern CA Reg Rail Auth.	299	0.22	-	-	4	1	-	7	14	273
Southeastern PA Trans.	211	0.15	33	7	17	11	13	21	41	68
Term RR Assn Of St. Louis	114	0.08	1	-	12	2	39	-	18	42
Union Pacific	23,116	16.80	614	31	8,815	1,722	159	230	2,952	8,593
Union RR (Pittsburgh)	8	0.01	-	-	-	-	-	5	1	2
Wheeling & Lake Erie	557	0.40	7	-	274	21	1	3	139	112
Wisconsin & Southern RR	805	0.58	6	-	180	274	-	9	285	51
Total	137,634	100.0	3,754	395	55,688	11,244	2,358	1,222	22,634	40,339

**TABLE 9-4 PUBLIC AT-GRADE CROSSINGS,
BY WARNING DEVICE AND STATE, 2007**

States	Total		Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS, WW, Bells	Flashing lights	Gates	AADT
	Cnt	%									
Alabama	2,883	2.09	43	8	801	687	18	85	522	719	5,935,141
Alaska	219	0.16	9	2	92	28	7	-	18	63	513,318
Arizona	754	0.55	28	-	220	72	12	4	48	370	2,615,903
Arkansas	2,939	2.14	110	1	1,694	222	67	26	388	431	3,532,311
California	6,434	4.67	109	15	2,066	231	28	198	804	2,983	34,740,239
Colorado	1,742	1.27	36	7	848	173	23	27	178	450	3,320,037
Connecticut	370	0.27	14	-	28	48	29	5	142	104	1,299,187
Delaware	277	0.20	8	1	21	1	19	1	168	58	1,207,362
Dist Of Columbia	8	0.01	-	-	-	2	4	-	2	-	144,200
Florida	3,919	2.85	67	6	795	148	79	8	535	2,281	19,394,555
Georgia	5,511	4.00	122	8	2,024	937	92	115	271	1,942	9,164,833
Hawaii	8	0.01	-	1	6	1	-	-	-	-	27,000
Idaho	1,294	0.94	6	-	426	537	1	4	172	148	1,711,447
Illinois	7,977	5.80	202	4	2,770	80	85	45	2,007	2,784	20,349,481
Indiana	5,975	4.34	147	11	1,642	985	9	66	1,321	1,794	13,818,654
Iowa	4,401	3.20	21	3	2,135	445	21	24	834	918	5,367,497
Kansas	5,692	4.14	73	5	3,702	191	66	32	430	1,193	4,655,218
Kentucky	2,382	1.73	120	-	987	51	47	9	733	435	3,752,225
Louisiana	3,192	2.32	146	11	1,470	239	25	9	529	763	6,407,217
Maine	836	0.61	7	-	273	11	64	4	393	84	1,963,607
Maryland	663	0.48	26	-	222	45	24	23	203	120	2,407,566
Massachusetts	836	0.61	38	3	113	8	61	14	287	312	5,091,479
Michigan	4,937	3.59	128	6	1,080	1,347	86	25	1,243	1,022	13,962,557
Minnesota	4,685	3.40	73	6	2,231	932	16	6	457	964	6,501,275
Mississippi	2,339	1.70	67	66	862	442	27	6	459	410	4,270,530
Missouri	4,040	2.94	155	3	2,079	118	68	41	755	821	4,229,319
Montana	1,394	1.01	27	8	859	85	6	1	164	244	1,278,248
Nebraska	3,053	2.22	74	4	1,968	190	4	5	185	623	1,927,338
Nevada	277	0.20	1	2	121	10	2	1	23	117	728,283
New Hampshire	348	0.25	4	1	99	44	33	2	122	43	739,251
New Jersey	1,552	1.13	72	-	305	17	120	19	584	435	9,157,834
New Mexico	729	0.53	11	4	366	17	1	5	89	236	960,171
New York	2,842	2.06	77	17	518	23	148	66	354	1,639	7,594,835
North Carolina	4,053	2.94	164	10	1,429	74	105	19	591	1,661	11,166,564
North Dakota	3,517	2.56	34	-	2,860	64	-	-	33	526	1,049,782
Ohio	6,119	4.45	65	1	2,455	159	52	25	1,031	2,331	14,758,252
Oklahoma	3,910	2.84	59	7	2,388	99	55	17	516	769	4,295,393
Oregon	2,116	1.54	113	30	730	402	79	35	112	615	4,526,149
Pennsylvania	4,274	3.11	221	121	1,434	133	333	65	1,136	831	12,450,044
Rhode Island	72	0.05	8	1	4	1	9	17	16	16	410,800
South Carolina	2,752	2.00	13	-	651	596	93	4	386	1,009	6,133,202
South Dakota	1,989	1.45	71	-	1,625	29	-	-	222	42	1,146,779
Tennessee	2,840	2.06	207	1	1,114	162	123	14	633	586	5,823,418
Texas	9,701	7.05	269	5	3,744	239	66	59	998	4,321	35,286,861
Utah	772	0.56	63	4	257	60	51	19	109	209	1,770,113
Vermont	498	0.36	8	-	188	28	34	2	206	32	764,326
Virginia	1,993	1.45	54	2	447	8	7	9	363	1,103	5,398,003
Washington	2,532	1.84	222	3	1,237	96	38	25	335	576	4,616,822
West Virginia	1,485	1.08	108	6	658	23	17	5	442	226	1,586,931
Wisconsin	4,110	2.99	44	1	1,525	697	3	30	1,024	786	8,986,107
Wyoming	393	0.29	10	-	119	7	1	1	61	194	348,761
Total	137,634	100.0	3,754	395	55,688	11,244	2,358	1,222	22,634	40,339	319,286,425

**TABLE 9-5 PRIVATE/PEDESTRIAN AT-GRADE CROSSINGS,
BY TYPE DEVELOPMENT AND RAILROAD,2007**

Railroads	Total		Not reported	Farm	Residential	Recreational	Industrial
	Cnt	%					
Alton & Southern	25	0.03	-	8	5	1	11
Alaska RR Corp.	106	0.12	1	3	13	6	83
Amtrak	63	0.07	-	27	12	2	22
Bangor & Aroostook	342	0.40	-	148	33	45	116
Burlington Northern Santa Fe	9,509	11.16	6	6,500	724	386	1,893
Belt Rwy Of Chicago	83	0.10	-	-	-	-	83
Canadian National	3,695	4.33	17	2,216	408	59	995
Canadian Pacific	2,036	2.39	2	1,427	182	71	354
Conrail Shared Assets	855	1.00	4	325	78	24	424
CSX Transportation	9,074	10.65	408	4,687	1,690	158	2,131
Dakota,Minnesota & Eastern	1,095	1.28	3	878	85	14	115
Florida East Coast	110	0.13	86	3	2	1	18
Guilford Rail System	528	0.62	-	158	52	22	296
Other Railroads	29,109	34.15	309	17,533	3,846	597	6,824
Indiana Harbor Belt	37	0.04	4	-	-	-	33
Kansas City Southern	1,984	2.33	6	1,370	204	11	393
Long Island Rail Road	45	0.05	-	33	3	3	6
MD Assn. of Rail Comm	78	0.09	-	50	10	2	16
Mass Bay Transit Auth.	33	0.04	3	10	7	1	12
Metro North Commuter	71	0.08	1	14	11	8	37
Montana Rail Link	706	0.83	-	490	61	16	139
Northern IN Comm Trans	28	0.03	8	6	-	2	12
Northeast IL Reg Comm	39	0.05	9	2	7	1	20
New Jersey Transit Rail	92	0.11	1	35	19	4	33
Norfolk Southern Corp.	10,962	12.86	826	5,553	2,383	151	2,049
Paducah & Louisville	149	0.17	1	64	34	-	50
Port Auth Trans Hudson	2	0.00	-	1	-	-	1
Port Terminal RR Assn	101	0.12	-	2	-	-	99
Southern CA Reg Rail Auth.	36	0.04	1	9	7	3	16
Southeastern PA Trans.	32	0.04	-	11	10	2	9
Term RR Assn Of St. Louis	11	0.01	-	3	-	-	8
Union Pacific	13,250	15.54	138	8,508	1,210	145	3,249
Union RR (Pittsburgh)	39	0.05	-	-	-	-	39
Wheeling & Lake Erie	413	0.48	2	217	37	6	151
Wisconsin & Southern RR	503	0.59	-	402	19	9	73
Total	85,241	100.0	1,836	50,693	11,152	1,750	19,810

**TABLE 9-6 PRIVATE/PEDESTRIAN AT-GRADE CROSSINGS,
BY TYPE DEVELOPMENT AND STATE, 2007**

States	Total		Not reported	Farm	Residential	Recreational	Industrial
	Cnt	%					
Alabama	1,617	1.90	18	914	285	21	379
Alaska	106	0.12	1	3	13	6	83
Arizona	509	0.60	3	306	19	12	169
Arkansas	1,406	1.65	1	920	205	19	261
California	3,533	4.14	13	1,703	273	91	1,453
Colorado	1,069	1.25	1	667	198	20	183
Connecticut	278	0.33	3	55	39	33	148
Delaware	144	0.17	-	68	43	4	29
Dist Of Columbia	30	0.04	2	-	1	-	27
Florida	1,293	1.52	239	395	166	23	470
Georgia	2,355	2.76	6	1,267	552	33	497
Idaho	1,125	1.32	-	727	42	15	341
Illinois	4,008	4.70	16	2,608	375	69	940
Indiana	1,976	2.32	102	1,182	370	20	302
Iowa	2,876	3.37	10	2,081	286	53	446
Kansas	3,064	3.59	-	2,590	154	14	306
Kentucky	2,394	2.81	2	1,371	651	15	355
Louisiana	2,803	3.29	2	1,529	429	25	818
Maine	834	0.98	-	348	114	72	300
Maryland	668	0.78	20	341	83	13	211
Massachusetts	499	0.59	4	158	60	35	242
Michigan	2,263	2.65	5	1,143	331	92	692
Minnesota	2,632	3.09	7	1,875	222	62	466
Mississippi	1,899	2.23	15	1,223	374	14	273
Missouri	2,783	3.26	1	1,990	303	39	450
Montana	1,855	2.18	-	1,450	104	37	264
Nebraska	2,000	2.35	-	1,718	71	55	156
Nevada	220	0.26	139	31	2	7	41
New Hampshire	243	0.29	1	107	51	29	55
New Jersey	504	0.59	4	145	56	8	291
New Mexico	488	0.57	-	346	23	26	93
New York	2,789	3.27	8	1,801	360	156	464
North Carolina	2,969	3.48	12	1,359	837	31	730
North Dakota	1,338	1.57	-	1,213	14	7	104
Ohio	3,125	3.67	23	1,974	343	36	749
Oklahoma	1,358	1.59	2	972	133	15	236
Oregon	2,532	2.97	2	1,161	322	39	1,008
Pennsylvania	3,029	3.55	18	1,209	562	140	1,100
Rhode Island	49	0.06	-	5	8	6	30
South Carolina	1,231	1.44	4	581	295	17	334
South Dakota	1,094	1.28	4	918	65	7	100
Tennessee	1,731	2.03	9	954	392	24	352
Texas	5,370	6.30	6	3,509	546	47	1,262
Utah	563	0.66	-	361	25	14	163
Vermont	625	0.73	-	438	58	26	103
Virginia	2,543	2.98	1,124	913	187	15	304
Washington	2,557	3.00	6	1,204	340	101	906
West Virginia	1,875	2.20	1	815	588	43	428
Wisconsin	2,288	2.68	1	1,491	170	54	572
Wyoming	701	0.82	1	554	12	10	124
Total	85,241	100.0	1,836	50,693	11,152	1,750	19,810

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CHAPTER 10

TRESPASSERS NOT AT HIGHWAY-RAIL GRADE 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 grade crossing should not be classified as a trespasser unless the crossing is protected by gates or other similar barriers that were closed when the person entered 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. The casualties that summarize highway-rail grade crossing incidents can be found in Chapters 7 and 8.

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**TABLE 10-1 REPORTABLE CONDITIONS TO TRESPASSERS,
BY AGE, NOT AT HRC, 2007**

Condition	Age of Trespasser														
	Tot	Unk	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	> 60
Bruise/contusion	65	3	-	1	8	8	8	5	4	4	4	8	5	4	3
Crushing injury	13	3	-	-	1	2	1	-	3	1	1	-	-	-	1
Sprain/Str.,arm/hand	2	-	-	-	-	1	1	-	-	-	-	-	-	-	-
Sprain/Str.,leg/foot	3	-	-	-	-	-	1	1	-	1	-	-	-	-	-
Sprain/Str.,head/fac	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Sprain/Str.,torso	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Sprain/Str., other	2	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Cut/abrasion	84	-	-	1	3	11	7	11	4	9	11	11	7	5	4
Puncture wound	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Electric shock/burn	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Other burn	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Dislocation	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Fracture,arm/hand	17	1	-	-	1	2	2	2	1	2	1	3	1	-	1
Fracture,leg/foot	23	1	-	-	1	8	-	2	3	3	2	-	1	2	-
Fracture,head/face	8	-	-	-	-	1	3	-	-	-	1	-	-	1	2
Fracture,torso	13	2	-	-	1	3	-	2	-	-	-	2	-	1	2
Fracture,multiple	7	-	-	-	-	3	-	-	1	-	1	2	-	-	-
Fracture,other	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Amputation,arm/hand	20	1	-	-	-	2	2	-	1	5	2	2	1	2	2
Amputation,leg/foot	65	4	1	2	4	12	3	7	7	6	7	5	4	3	-
Amputation,other	2	-	-	-	-	-	1	-	-	-	1	-	-	-	-
Fatality	470	49	1	1	11	39	57	30	40	42	67	46	41	31	15
Concussion	10	-	-	-	-	2	2	3	-	-	2	1	-	-	-
Internal injury	8	-	-	-	-	-	2	1	2	1	1	-	-	1	-
Unspecified injury	55	12	-	-	2	4	10	5	6	4	5	5	1	1	-
Total	875	77	2	5	32	100	100	69	73	79	106	86	64	52	30

TABLE 10-2 TRESPASSERS KILLED, BY RAILROAD AND AGE, NOT AT HRC, 2007

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
Amtrak	65	8	-	-	3	6	7	7	3	4	7	11	2	6	1
Burlington Northern Santa Fe	66	4	-	-	1	6	6	2	10	5	12	4	10	4	2
Canadian National	10	-	-	-	-	3	1	-	-	1	-	1	3	1	-
Canadian Pacific	5	-	-	-	-	1	-	-	2	1	-	1	-	-	-
CSX Transportation	80	13	-	1	-	7	8	3	7	9	15	9	6	2	-
Dakota,Minnesota & Eastern	2	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Florida East Coast	17	-	-	-	1	-	3	1	2	1	3	2	3	1	-
Guilford Rail System	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Kansas City Southern	8	2	-	-	-	-	-	2	-	1	2	1	-	-	-
Long Island Rail Road	6	1	-	-	1	2	-	-	-	-	2	-	-	-	-
MD Assn. of Rail Comm	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Mass Bay Transit Auth.	9	8	-	-	-	-	-	-	-	-	-	-	-	1	-
Metro North Commuter	9	1	-	-	-	-	-	2	1	-	-	1	3	-	1
Northern IN Comm Trans	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Northeast IL Reg Comm	4	-	-	-	-	-	-	1	-	-	-	1	-	1	1
New Jersey Transit Rail	11	2	-	-	2	-	3	-	1	-	1	1	1	-	-
Norfolk Southern Corp.	67	-	-	-	2	6	9	4	6	7	11	6	7	7	2
Peninsula Comm San Mateo Cnty	2	-	-	-	-	-	1	-	-	-	-	-	1	-	-
Southern CA Reg Rail Auth.	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Union Pacific	89	-	1	-	1	8	16	7	7	10	12	8	3	8	8
Other Railroads	13	5	-	-	-	-	1	1	-	3	2	-	1	-	-
Total	470	49	1	1	11	39	57	30	40	42	67	46	41	31	15

TABLE 10-3 TRESPASSERS KILLED, BY STATE AND AGE, NOT AT HRC, 2007

States	Age of Trespasser															
	Tot	Unk	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	> 60	
Alabama	5	1	-	-	-	-	1	-	-	1	1	-	1	-	-	
Arizona	10	1	-	-	-	-	1	-	3	1	-	2	1	-	1	
Arkansas	6	-	-	-	1	-	1	-	2	1	-	-	-	1	-	
California	72	6	-	-	2	7	7	9	3	6	7	9	4	8	4	
Colorado	2	-	-	-	-	-	-	-	1	-	-	-	1	-	-	
Connecticut	8	1	-	-	-	-	-	-	1	-	1	2	2	-	1	
Delaware	2	-	-	-	-	-	-	-	-	1	-	-	1	-	-	
Florida	33	1	-	-	1	-	5	3	4	4	5	5	4	1	-	
Georgia	14	3	-	-	-	-	1	-	1	5	2	1	-	1	-	
Illinois	25	2	-	-	-	2	6	1	1	-	5	4	1	2	1	
Indiana	14	3	-	-	-	1	3	1	2	1	1	-	1	1	-	
Iowa	4	-	-	-	1	-	-	-	1	-	-	-	1	1	-	
Kansas	5	-	-	-	-	1	-	-	-	-	-	-	1	1	2	
Kentucky	5	1	-	-	-	-	-	-	-	-	2	-	-	2	-	
Louisiana	8	-	-	-	-	-	1	1	-	1	1	1	3	-	-	
Maryland	9	2	-	-	-	2	2	1	-	-	2	-	-	-	-	
Massachusetts	11	7	-	-	1	-	1	-	-	-	1	-	-	1	-	
Michigan	6	3	-	-	-	2	-	-	-	1	-	-	-	-	-	
Minnesota	6	-	-	-	-	-	1	-	3	-	-	1	1	-	-	
Mississippi	6	1	-	-	-	-	-	-	-	1	3	1	-	-	-	
Missouri	5	-	-	-	-	-	1	1	-	-	1	-	1	-	1	
Montana	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
Nevada	4	-	-	-	-	-	-	1	-	-	2	1	-	-	-	
New Jersey	13	2	-	-	2	2	2	-	1	1	1	1	1	-	-	
New Mexico	8	1	-	-	-	-	-	1	-	1	3	1	1	-	-	
New York	18	3	-	-	1	3	1	2	1	-	5	1	1	-	-	
North Carolina	21	1	-	-	-	1	3	2	2	4	1	4	1	2	-	
Ohio	20	-	-	-	2	4	1	2	1	-	4	2	2	1	1	
Oklahoma	4	-	-	-	-	-	-	-	1	2	-	1	-	-	-	
Oregon	6	1	-	-	-	1	1	-	1	-	-	1	-	1	-	
Pennsylvania	23	2	-	1	-	1	4	1	3	4	-	2	3	1	1	
Rhode Island	2	1	-	-	-	-	1	-	-	-	-	-	-	-	-	
South Carolina	10	2	-	-	-	1	1	-	-	-	3	-	2	1	-	
Tennessee	7	-	-	-	-	-	-	-	-	-	3	1	3	-	-	
Texas	47	4	1	-	-	6	6	1	4	5	9	3	2	3	3	
Virginia	5	-	-	-	-	-	1	-	1	1	1	-	-	1	-	
Washington	10	-	-	-	-	2	2	1	-	-	2	1	1	1	-	
West Virginia	7	-	-	-	-	1	-	1	1	1	1	1	1	-	-	
Wisconsin	4	-	-	-	-	2	-	-	1	-	-	-	-	1	-	
Wyoming	4	-	-	-	-	-	3	-	1	-	-	-	-	-	-	
Total	470	49	1	1	11	39	57	30	40	42	67	46	41	31	15	

TABLE 10-4 TRESPASSERS INJURED, BY RAILROAD AND AGE, NOT AT HRC, 2007

Railroads	Age of Trespasser															
	Cnt	%	Unk	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	> 60
Alaska RR Corp.	1	0.2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Amtrak	20	4.9	-	-	-	1	1	3	-	1	1	2	3	4	2	2
Burlington Northern Santa Fe	84	20.7	10	1	-	6	14	11	8	5	7	4	7	3	6	2
Canadian National	9	2.2	-	-	-	-	3	-	1	1	1	-	3	-	-	-
Canadian Pacific	5	1.2	-	-	-	1	2	1	-	-	-	1	-	-	-	-
Conrail Shared Assets	3	0.7	-	-	-	1	-	1	-	-	-	-	1	-	-	-
CSX Transportation	49	12.1	5	-	-	1	8	2	7	2	4	6	7	2	1	4
Dakota, Minnesota & Eastern	1	0.2	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Florida East Coast	10	2.5	1	-	-	-	1	-	1	2	1	1	1	2	-	-
Guilford Rail System	2	0.5	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Other Railroads	13	3.2	7	-	-	1	1	2	-	-	-	-	1	1	-	-
Indiana Harbor Belt	1	0.2	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Kansas City Southern	9	2.2	-	-	-	-	3	1	2	-	1	-	1	-	-	1
Long Island Rail Road	3	0.7	-	-	-	-	1	-	-	1	-	-	-	-	1	-
Mass Bay Transit Auth.	1	0.2	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Metro North Commuter	1	0.2	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Northern IN Comm Trans	2	0.5	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Northeast IL Reg Comm	10	2.5	1	-	-	1	2	-	-	-	1	1	-	1	2	1
New Jersey Transit Rail	3	0.7	-	-	-	-	-	1	-	-	-	1	1	-	-	-
Norfolk Southern Corp.	54	13.3	-	-	1	2	3	7	4	8	6	8	5	4	5	1
Paducah & Louisville	1	0.2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Peninsula Comm San Mateo Cnty	2	0.5	1	-	-	-	-	-	-	-	-	-	1	-	-	-
Southern CA Reg Rail Auth.	1	0.2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern PA Trans.	1	0.2	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Union Pacific	117	28.9	-	-	3	6	22	12	15	13	14	11	9	6	2	4
Wheeling & Lake Erie	1	0.2	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Wisconsin & Southern RR	1	0.2	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Total	405	100	28	1	4	21	61	43	39	33	37	39	40	23	21	15

TABLE 10-5 TRESPASSERS INJURED, BY STATE AND AGE, NOT AT HRC, 2007

States	Age of Trespasser															
	Cnt	%	Unk	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	> 60
Alabama	5	1.2	-	-	-	-	-	-	2	-	-	1	-	-	2	-
Alaska	1	0.2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Arizona	14	3.5	-	-	-	-	2	3	1	3	4	-	-	-	1	-
Arkansas	4	1.0	-	-	-	-	1	1	-	1	-	-	1	-	-	-
California	41	10.1	4	-	-	-	3	7	7	3	2	2	7	2	2	2
Colorado	14	3.5	-	-	-	1	2	2	1	2	1	1	2	1	1	-
Connecticut	3	0.7	1	-	-	-	-	-	-	-	-	1	-	1	-	-
Florida	16	4.0	2	-	-	-	1	-	1	3	1	1	2	3	1	1
Georgia	12	3.0	2	-	-	-	1	2	-	2	1	1	-	1	2	-
Idaho	2	0.5	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Illinois	34	8.4	2	-	-	1	8	4	1	1	4	5	1	3	2	2
Indiana	13	3.2	1	-	-	-	3	1	2	-	1	3	1	-	1	-
Iowa	3	0.7	-	-	-	-	1	2	-	-	-	-	-	-	-	-
Kansas	8	2.0	-	-	-	2	1	2	-	-	-	2	1	-	-	-
Kentucky	4	1.0	1	-	-	1	1	1	-	-	-	-	-	-	-	-
Louisiana	11	2.7	-	-	2	-	-	-	-	2	2	2	1	-	-	2
Maine	1	0.2	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Maryland	2	0.5	-	-	-	-	-	-	-	-	-	1	-	1	-	-
Massachusetts	3	0.7	-	-	-	-	-	-	1	-	-	2	-	-	-	-
Michigan	4	1.0	-	-	-	1	1	-	1	1	-	-	-	-	-	-
Minnesota	11	2.7	1	-	-	1	2	3	2	-	1	1	-	-	-	-
Mississippi	6	1.5	1	-	-	-	2	-	1	-	-	-	1	-	1	-
Missouri	9	2.2	-	-	-	1	1	1	1	1	2	-	1	1	-	-
Montana	4	1.0	1	-	-	-	-	-	-	1	-	1	-	-	-	1
Nebraska	5	1.2	-	-	-	2	-	-	-	-	-	-	1	1	1	-
Nevada	2	0.5	-	-	-	-	1	-	-	-	1	-	-	-	-	-
New Jersey	6	1.5	1	-	-	-	-	2	-	-	1	-	2	-	-	-
New Mexico	4	1.0	1	-	-	-	-	-	1	-	2	-	-	-	-	-
New York	10	2.5	-	-	-	1	2	1	1	2	1	1	-	-	1	-
North Carolina	16	4.0	-	-	-	-	1	-	-	3	1	4	3	2	1	1
North Dakota	1	0.2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Ohio	17	4.2	2	-	-	1	1	1	2	2	2	2	3	-	-	1
Oklahoma	7	1.7	3	-	-	-	-	3	1	-	-	-	-	-	-	-
Oregon	8	2.0	1	-	-	-	2	-	1	-	2	-	-	-	1	1
Pennsylvania	17	4.2	1	-	-	2	2	-	2	1	1	2	3	1	1	1
South Carolina	2	0.5	-	-	-	-	1	1	-	-	-	-	-	-	-	-
Tennessee	3	0.7	-	1	-	-	-	1	-	-	-	-	1	-	-	-
Texas	47	11.6	2	-	1	4	13	3	7	2	1	3	3	4	2	2
Utah	4	1.0	-	-	-	-	1	1	-	-	2	-	-	-	-	-
Virginia	6	1.5	-	-	1	-	-	1	-	-	1	1	-	2	-	-
Washington	17	4.2	-	-	-	1	4	-	3	2	2	1	3	-	-	1
West Virginia	3	0.7	-	-	-	-	-	-	-	-	1	1	1	-	-	-
Wisconsin	4	1.0	-	-	-	1	-	-	-	1	-	-	1	-	1	-
Wyoming	1	0.2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Total	405	100	28	1	4	21	61	43	39	33	37	39	40	23	21	15

**TABLE 10-6 TRESPASSER CASUALTIES, BY STATE AND AGE GROUP,
NOT AT HRC, 2007**

States	Deaths				Total Killed		Nonfatal Cases				Total Injured	
	Age Group						Age Group					
	Unk	< 16	16-21	> 21	Cnt	%	Unk	< 16	16-21	> 21	Cnt	%
Alabama	1	-	1	3	5	1.1	-	-	-	5	5	1.2
Alaska	-	-	-	-	0	0.0	1	-	-	-	1	0.2
Arizona	1	-	-	9	10	2.1	-	-	3	11	14	3.5
Arkansas	-	1	-	5	6	1.3	-	-	2	2	4	1.0
California	6	2	8	56	72	15.3	4	-	3	34	41	10.1
Colorado	-	-	-	2	2	0.4	-	1	3	10	14	3.5
Connecticut	1	-	-	7	8	1.7	1	-	-	2	3	0.7
Delaware	-	-	-	2	2	0.4	-	-	-	-	0	0.0
Florida	1	1	1	30	33	7.0	2	-	1	13	16	4.0
Georgia	3	-	-	11	14	3.0	2	-	1	9	12	3.0
Idaho	-	-	-	-	0	0.0	-	1	1	-	2	0.5
Illinois	2	-	4	19	25	5.3	2	1	9	22	34	8.4
Indiana	3	-	1	10	14	3.0	1	-	4	8	13	3.2
Iowa	-	1	-	3	4	0.9	-	-	1	2	3	0.7
Kansas	-	-	1	4	5	1.1	-	2	1	5	8	2.0
Kentucky	1	-	-	4	5	1.1	1	1	1	1	4	1.0
Louisiana	-	-	-	8	8	1.7	-	2	-	9	11	2.7
Maine	-	-	-	-	0	0.0	-	-	-	1	1	0.2
Maryland	2	-	3	4	9	1.9	-	-	-	2	2	0.5
Massachusetts	7	1	-	3	11	2.3	-	-	-	3	3	0.7
Michigan	3	-	2	1	6	1.3	-	1	1	2	4	1.0
Minnesota	-	-	-	6	6	1.3	1	1	4	5	11	2.7
Mississippi	1	-	-	5	6	1.3	1	-	2	3	6	1.5
Missouri	-	-	-	5	5	1.1	-	1	2	6	9	2.2
Montana	-	-	-	1	1	0.2	1	-	-	3	4	1.0
Nebraska	-	-	-	-	0	0.0	-	2	-	3	5	1.2
Nevada	-	-	-	4	4	0.9	-	-	1	1	2	0.5
New Jersey	2	2	2	7	13	2.8	1	-	2	3	6	1.5
New Mexico	1	-	-	7	8	1.7	1	-	-	3	4	1.0
New York	3	1	4	10	18	3.8	-	1	2	7	10	2.5
North Carolina	1	-	2	18	21	4.5	-	-	1	15	16	4.0
North Dakota	-	-	-	-	0	0.0	-	-	1	-	1	0.2
Ohio	-	2	5	13	20	4.3	2	1	1	13	17	4.2
Oklahoma	-	-	-	4	4	0.9	3	-	-	4	7	1.7
Oregon	1	-	1	4	6	1.3	1	-	2	5	8	2.0
Pennsylvania	2	1	3	17	23	4.9	1	2	2	12	17	4.2
Rhode Island	1	-	-	1	2	0.4	-	-	-	-	0	0.0
South Carolina	2	-	2	6	10	2.1	-	-	1	1	2	0.5
Tennessee	-	-	-	7	7	1.5	-	1	1	1	3	0.7
Texas	4	1	7	35	47	10.0	2	5	14	26	47	11.6
Utah	-	-	-	-	0	0.0	-	-	2	2	4	1.0
Virginia	-	-	-	5	5	1.1	-	1	-	5	6	1.5
Washington	-	-	2	8	10	2.1	-	1	4	12	17	4.2
West Virginia	-	-	1	6	7	1.5	-	-	-	3	3	0.7
Wisconsin	-	-	2	2	4	0.9	-	1	-	3	4	1.0
Wyoming	-	-	-	4	4	0.9	-	-	1	-	1	0.2
Total	49	13	52	356	470	100.0	28	26	74	277	405	100.0

TABLE 10-7 TRESPASSER CASUALTIES, BY MONTH AND DAY, NOT AT HRC, 2007

Cond Month		Total		Day Of The Week								Age of Person			
		Cnt	%	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Unk	< 16	16-21	> 21	
Kld	January	32	3.7	5	3	5	6	2	8	3	-	4	1	27	
	February	21	2.4	3	2	2	5	1	6	2	4	-	1	16	
	March	39	4.5	5	4	7	5	6	4	8	1	1	5	32	
	April	37	4.2	7	5	5	4	6	2	8	4	2	5	26	
	May	36	4.1	8	4	6	5	6	4	3	2	1	2	31	
	June	44	5.0	6	9	7	6	2	9	5	8	2	10	24	
	July	46	5.3	12	6	7	4	4	4	9	8	1	5	32	
	August	43	4.9	4	10	1	8	5	9	6	7	-	5	31	
	September	49	5.6	10	4	5	6	2	6	16	1	-	7	41	
	October	46	5.3	10	3	7	6	6	6	8	5	2	4	35	
	November	39	4.5	5	6	4	5	9	6	4	3	-	5	31	
	December	38	4.3	5	4	4	10	3	7	5	6	-	2	30	
Total		470	53.7	80	60	60	70	52	71	77	49	13	52	356	
Nonfatal	January	17	1.9	1	3	5	4	-	1	3	1	-	3	13	
	February	21	2.4	-	4	2	4	6	1	4	1	-	3	17	
	March	37	4.2	4	5	4	4	5	7	8	2	3	4	28	
	April	29	3.3	10	6	1	3	2	3	4	3	3	6	17	
	May	38	4.3	7	4	11	5	3	5	3	4	3	6	25	
	June	32	3.7	6	3	6	1	3	6	7	-	2	6	24	
	July	51	5.8	3	9	4	9	7	5	14	4	3	16	28	
	August	47	5.4	11	3	7	4	7	9	6	3	3	7	34	
	September	43	4.9	11	10	5	3	3	5	6	2	3	10	28	
	October	49	5.6	8	5	6	8	10	5	7	5	2	7	35	
	November	22	2.5	4	2	1	1	2	9	3	2	2	3	15	
	December	19	2.2	4	7	1	3	1	-	3	1	2	3	13	
Total		405	46.3	69	61	53	49	49	56	68	28	26	74	277	
Total		875	100	149	121	113	119	101	127	145	77	39	126	633	

TABLE 10-8 TRESPASSER CASUALTIES, BY TIME AND DAY, NOT AT HRC, 2007

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	49	5	6	4	4	3	3	5	5	2	-	2	5	2	3
	2	51	6	3	2	3	6	1	3	4	1	3	4	6	2	7
	3	27	3	5	1	-	1	-	2	1	1	2	3	-	1	7
	4	46	8	4	2	-	3	1	5	2	1	1	7	1	7	4
	5	22	2	3	3	2	3	-	-	-	2	1	-	-	3	3
	6	23	-	2	2	2	1	1	3	1	-	2	2	3	3	1
	7	13	2	-	2	1	1	-	1	2	2	1	-	-	1	-
	8	30	1	2	3	1	1	-	3	1	4	2	2	2	4	4
	9	18	4	1	1	-	3	-	2	-	-	1	2	4	-	-
	10	32	4	3	2	2	1	1	3	2	-	4	1	1	5	3
	11	32	4	2	3	2	5	3	-	2	2	2	2	1	3	1
	12	47	7	8	2	4	-	2	4	1	3	-	6	4	4	2
Total	390	46	39	27	21	28	12	31	21	18	19	31	27	35	35	
PM	1	25	3	1	2	2	1	3	2	1	-	4	1	1	3	1
	2	39	2	4	2	1	7	3	2	2	4	3	3	1	3	2
	3	43	2	2	3	6	2	2	4	2	1	4	4	4	2	5
	4	31	1	1	5	4	2	4	2	-	1	1	3	2	4	1
	5	39	2	-	2	6	1	1	7	2	6	-	4	2	3	3
	6	47	7	6	2	3	2	2	3	4	4	3	5	2	3	1
	7	37	2	4	2	4	1	3	2	4	3	2	2	3	3	2
	8	50	4	5	2	2	3	6	1	5	3	-	7	2	3	7
	9	41	3	2	4	1	2	3	6	3	2	4	3	2	3	3
	10	56	2	3	3	5	5	4	4	1	6	5	6	5	5	2
	11	44	2	1	6	3	2	4	5	2	2	1	2	3	6	5
	12	33	4	1	-	3	4	6	1	2	2	3	-	2	4	1
Total	485	34	30	33	40	32	41	39	28	34	30	40	29	42	33	
Total	875	80	69	60	61	60	53	70	49	52	49	71	56	77	68	

TABLE 10-9 TRESPASSER CASUALTIES, BY LOCATION, NOT AT HRC, 2007

Location	Total		Fatal		Nonfatal		Age of Person			
	Cnt	%	Cnt	%	Cnt	%	Unk	< 16	16-21	> 21
Alongside of on-track equipment	66	7.5	19	4.0	47	11.6	1	5	9	51
Beside track	164	18.7	61	13.0	103	25.4	6	13	22	123
Between tracks	142	16.2	100	21.3	42	10.4	13	4	22	103
Between cars/locomotives	28	3.2	7	1.5	21	5.2	4	1	4	19
In car	7	0.8	3	0.6	4	1.0	3	-	1	3
In/operating vehicle	24	2.7	6	1.3	18	4.4	3	3	5	13
In tower	2	0.2	1	0.2	1	0.2	-	-	-	2
In tunnel	1	0.1	1	0.2	-	0.0	-	-	-	1
On bridge/trestle	34	3.9	14	3.0	20	4.9	-	3	7	24
On highway-rail crossing	11	1.3	7	1.5	4	1.0	1	-	-	10
On other rail crossing	1	0.1	-	0.0	1	0.2	-	-	-	1
On side of car	23	2.6	4	0.9	19	4.7	2	1	10	10
On track	329	37.6	227	48.3	102	25.2	33	8	39	249
On end of car	7	0.8	2	0.4	5	1.2	-	-	2	5
Other location on locomotive	1	0.1	1	0.2	-	0.0	-	-	-	1
Under car	9	1.0	3	0.6	6	1.5	2	-	1	6
Under locomotive	3	0.3	2	0.4	1	0.2	-	-	-	3
Car, on top of (rail car)	4	0.5	1	0.2	3	0.7	-	1	1	2
Other location	19	2.2	11	2.3	8	2.0	9	-	3	7
Total	875	100	470	100	405	100	77	39	126	633

TABLE 10-10 TRESPASSER CASUALTIES, BY EVENT, NOT AT HRC, 2007

Location	Total		Fatal		Nonfatal		Age of Person			
	Cnt	%	Cnt	%	Cnt	%	Unk	< 16	16-21	> 21
Assaulted by other	2	0.2	1	0.2	1	0.2	-	-	1	1
Bodily function/sudden movement, e.g.,sneezing,t	1	0.1	-	0.0	1	0.2	-	-	-	1
Collision - between on track equipment	1	0.1	1	0.2	-	0.0	-	-	-	1
Collision/impact - auto, truck, bus, van, etc.	13	1.5	2	0.4	11	2.7	1	-	3	9
Electrical shock due to contact with 3rd rail, c	2	0.2	2	0.4	-	0.0	-	-	1	1
Electrical shock, other (explain in narrative)	2	0.2	2	0.4	-	0.0	-	-	2	-
Horseplay, practical joke, etc.	1	0.1	-	0.0	1	0.2	-	-	-	1
Lost balance	30	3.4	9	1.9	21	5.2	1	1	7	21
Missed handhold, grabiron, step, etc.	2	0.2	-	0.0	2	0.5	-	1	-	1
Other impacts - on track equipment	3	0.3	2	0.4	1	0.2	-	-	1	2
Pushed/shoved onto	1	0.1	-	0.0	1	0.2	-	-	-	1
Pushed/shoved from	3	0.3	1	0.2	2	0.5	-	1	2	-
Ran into on-track equipment	9	1.0	2	0.4	7	1.7	1	-	4	4
Ran into object/equipment	7	0.8	1	0.2	6	1.5	-	3	1	3
Slack action, draft, compressive buff/coupling	1	0.1	-	0.0	1	0.2	-	-	-	1
Slipped,fell,stumbled,etc. due to irregular surf	1	0.1	-	0.0	1	0.2	-	-	-	1
Slipped,fell,stumbled,etc. due to object,ballast	2	0.2	-	0.0	2	0.5	-	-	-	2
Struck by object	11	1.3	4	0.9	7	1.7	-	-	-	11
Struck by on-track equipment	646	73.8	396	84.3	250	61.7	49	21	86	490
Struck against object	8	0.9	4	0.9	4	1.0	1	-	2	5
Sudden/unexpected movement of on-track equipmen	7	0.8	1	0.2	6	1.5	-	-	-	7
Sudden/unexpected movement of vehicle	4	0.5	1	0.2	3	0.7	-	-	-	4
Thrill seeking	7	0.8	1	0.2	6	1.5	-	1	-	6
Caught, crushed, pinched, other	11	1.3	1	0.2	10	2.5	1	-	3	7
On track equipment, other incidents	6	0.7	2	0.4	4	1.0	-	1	1	4
Slipped, fell, stumbled, other	49	5.6	16	3.4	33	8.1	3	9	9	28
Sudden, unexpected movement, other	11	1.3	3	0.6	8	2.0	3	-	1	7
Burned	2	0.2	1	0.2	1	0.2	-	-	-	2
Struck by Own Remote Control Locomotive	1	0.1	-	0.0	1	0.2	1	-	-	-
Caught Between Equipment	3	0.3	-	0.0	3	0.7	2	-	-	1
Other (describe in narrative)	28	3.2	17	3.6	11	2.7	14	1	2	11
Total	875	100	470	100	405	100	77	39	126	633

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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 grade 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
Psgr	Passenger on train
RR	Railroad
Rng	Range
Sig	Signal
Spd	Speed
Term	Terminated
Trans	Transferred
Tres	Trespasser
Trk	Track
Trn	Train
Unk	Unknown
Veh	Vehicle
WW	Wiwags
w/o	Without

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APPENDIX B

2007 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 current number of open crossings, and the changes in the warning devices. The last recalculation and adjustment was made for calendar year 2005 and were used in the Procedure dated 2005.

The process for determining the three new “normalizing constants” for 2007 is performed by making the sum of the calculated accident prediction values for all currently *open* public at-grade crossings for calendar years 2001-2005, as of December 2006, equal to the sum of the *observed* number of 2006 accidents that occurred at the same crossings. This process is performed for each of the respective three formulae for the three types of warning device categories: (1) passive, (2) flashing lights, and (3) gates. This process normalizes the calculated prediction for the current trend in accident data (which is downward) for each of the three types of warning device categories, and adjusts for the current total number of open crossings (which is downward) and the accidents occurring at them, and any changes in warning devices at any of the crossings currently open.

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

The new constants were determined for the national model using all open public crossings in the National Inventory File as of December 2006. Those using the DOT model should update their models by replacing the old constants with the new recalculated values. The “normalizing constants” are located in the computer program ACPD.NEW as shown in the *User's Guide Third Edition* at the top of Page A-4, Appendix A1 and in RESAL.NEW on Page B-3, Appendix B1.

As of December 2007, these new constants will be in the 2007 PCAPS Computer Program and Internet version WBAPS located on the FRA Web site at <http://safetydata.fra.dot.gov/officeofsafety/>.

The table on the following page lists the new and prior-year constants.

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

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

wpdata\ACPD\ACPD Constants 2007.wpd

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2007

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
AN Rwy LLC [AN]	-	-	-	-	-	-	-	-	-	-	-	-
Aberdeen & Rockfish RR Co. [AR]	2	-	1	-	-	-	2	-	1	-	-	-
Aberdeen, Carolina & Western RR [ACWR]	-	-	-	-	-	-	-	-	-	-	-	-
Abilene & Smokey Valley RR [AVSX]	-	-	-	-	-	-	-	-	-	-	-	-
Acadiana Rwy Co. [AKDN]	-	-	-	-	-	-	-	-	-	-	-	-
Adirondack Scenic RR [ADCX]	2	-	1	-	-	-	1	-	-	1	-	1
Adrian & Blissfield RR [ADBF]	1	-	-	-	-	-	1	-	-	-	-	-
Akron Barberton Cluster Rwy Co. [AB]	-	-	-	-	-	-	-	-	-	-	-	-
Alabama & Florida Rwy Co. [AF]	-	-	-	-	-	-	-	-	-	-	-	-
Alabama & Gulf Coast Rwy LLC [AGR]	8	-	-	6	-	-	2	-	-	-	-	-
Alabama & Tennessee River Rwy LLC [ATN]	5	-	3	-	-	-	3	-	1	2	-	2
Alabama RR Co., Inc. [ALAB]	-	-	-	-	-	-	-	-	-	-	-	-
Alabama Southern RR [ABS]	6	-	2	4	-	-	-	-	-	2	-	2
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]	1	-	1	-	-	-	-	-	-	1	-	1
Algiers, Winslow & Western Rwy Co. [AWW]	-	-	-	-	-	-	-	-	-	-	-	-
Aliquippa & Ohio River RR Co. [AOR]	-	-	-	-	-	-	-	-	-	-	-	-
Allegheny Valley RR Co. [AVR]	4	-	2	2	-	-	1	-	1	1	-	1
Alliance Term. RR LLC [ATR]	1	-	1	-	-	-	-	-	-	1	-	1
Altamont Commuter Express Authority [ACEX]	2	1	1	-	-	-	1	1	-	1	-	1
Angelina & Neches River RR Co. [ANR]	1	-	1	-	-	-	-	-	-	1	-	1
Ann Arbor RR [AA]	2	-	2	-	-	-	-	-	-	2	-	2
Apache Rwy Co. [APA]	1	-	1	-	-	-	-	-	-	1	-	1
Appalachian & Ohio RR [AO]	7	-	2	3	-	-	3	-	1	1	-	1
Appanoose County Community RR Co. [APNC]	-	-	-	-	-	-	-	-	-	-	-	-
Arcade & Attica RR Corp. [ARA]	-	-	-	-	-	-	-	-	-	-	-	-
Arizona & California RR Co. [ARZC]	-	-	-	-	-	-	-	-	-	-	-	-
Arizona Central RR, Inc. [AZCR]	-	-	-	-	-	-	-	-	-	-	-	-
Arizona Eastern RR [AZER]	9	-	3	5	-	-	1	-	-	3	-	3
Arkansas & Missouri RR Co. [AM]	10	-	3	3	-	-	6	-	2	1	-	1
Arkansas Louisiana & Mississippi RR Co. [ALM]	-	-	-	-	-	-	-	-	-	-	-	-
Arkansas Midland RR Co., Inc. [AKMD]	2	-	1	-	-	-	1	-	-	1	-	1
Arkansas Southern RR [ARS]	1	-	-	1	-	-	-	-	-	-	-	-
Arkansas-Oklahoma RR Inc. [AOK]	3	-	-	3	-	-	-	-	-	-	-	-
Ashland Rwy Inc. [ASRY]	6	-	6	-	-	-	-	-	-	6	-	6
Ashtubula, Carson & Jefferson RR [ACJR]	-	-	-	-	-	-	-	-	-	-	-	-
Athens Line LLC, The [ABR]	-	-	-	-	-	-	-	-	-	-	-	-
Atlantic & Western Rwy, L.P. [ATW]	1	-	1	-	-	-	-	-	-	1	-	1
Austin & Texas Central RR [ATCX]	-	-	-	-	-	-	-	-	-	-	-	-
Austin Area Term. RR [AUAR]	7	-	4	1	-	-	2	-	-	4	-	4
Austin Western RR [AWRR]	1	-	-	1	-	-	-	-	-	-	-	-
Austin, Todd & Ladd RR Co. [ATLT]	-	-	-	-	-	-	-	-	-	-	-	-
B&H Rail Corp [BHX]	-	-	-	-	-	-	-	-	-	-	-	-
BG & CM RR [BGCM]	-	-	-	-	-	-	-	-	-	-	-	-
Ballard Term. RR Co LLC [BDTL]	-	-	-	-	-	-	-	-	-	-	-	-
Batten Kill RR [BKRR]	-	-	-	-	-	-	-	-	-	-	-	-
Bauxite & Northern Rwy Co. [BXN]	-	-	-	-	-	-	-	-	-	-	-	-
Bay Coast RR [BCR]	1	-	-	-	-	-	1	-	-	-	-	-
Bay Colony RR [BCLR]	2	-	1	-	-	-	1	-	-	1	-	1

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2007

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Bay Line RR, L.L.C., The [BAYL]	4	-	2	-	-	-	2	-	-	2	-	2
Bee Line RR, Inc. [BLRR]	-	-	-	-	-	-	-	-	-	-	-	-
Beech Mountain RR Co. [BEEM]	-	-	-	-	-	-	-	-	-	-	-	-
Belfast & Moosehead Lake RR Co. [BML]	-	-	-	-	-	-	-	-	-	-	-	-
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]	5	1	2	2	-	-	1	1	-	2	-	2
Black Hills Central RR [BHC]	-	-	-	-	-	-	-	-	-	-	-	-
Black River & Western RR [BRW]	-	-	-	-	-	-	-	-	-	-	-	-
Blacklands RR, The [BLR]	-	-	-	-	-	-	-	-	-	-	-	-
Blackwell Northern Gateway RR Co. [BNG]	-	-	-	-	-	-	-	-	-	-	-	-
Bloomer Shippers Connecting RR Co. [BLOL]	2	-	-	2	-	-	-	-	-	-	-	-
Boone Scenic Valley [BSVY]	1	-	1	-	-	-	-	-	-	1	-	1
Border Pacific RR [BOP]	-	-	-	-	-	-	-	-	-	-	-	-
Brandywine Scenic RR Co. [BSRX]	-	-	-	-	-	-	-	-	-	-	-	-
Brandywine Valley RR Co. [BVRY]	2	-	1	-	-	-	1	-	-	1	-	1
Brownsville & Rio Grande International RR [BRG]	5	-	5	-	-	-	-	-	-	5	-	5
Buckeye Central Scenic RR [BCRR]	-	-	-	-	-	-	-	-	-	-	-	-
Buckingham Branch RR Co. [BB]	6	-	3	3	-	-	1	-	1	2	-	2
Buffalo & Pittsburgh RR, Inc. [BPRR]	13	-	5	4	-	-	4	-	-	5	-	5
Buffalo Southern RR, Inc. [BSOR]	-	-	-	-	-	-	-	-	-	-	-	-
Burlington Junction Rwy [BJRY]	-	-	-	-	-	-	-	-	-	-	-	-
C & NC RR Corp. [CNUR]	-	-	-	-	-	-	-	-	-	-	-	-
CHICAGO, FT. WAYNE & EASTERN [CFE]	5	1	1	2	-	-	2	-	1	1	1	-
CMC RR Inc. [CMC]	8	-	3	5	-	-	-	-	-	3	-	3
Caddo Valley RR Co. [CVYR]	3	-	3	-	-	-	-	-	-	3	-	3
Caldwell County RR Co. [CWCY]	-	-	-	-	-	-	-	-	-	-	-	-
California Northern RR Co. [CFNR]	3	-	3	-	-	-	3	-	3	-	-	-
California State RR Museum [CSRM]	2	-	2	-	-	-	-	-	-	2	-	2
Camp Chase Industrial RR Corp [CCRA]	1	-	-	1	-	-	-	-	-	-	-	-
Caney Fork & Western RR [CFWR]	-	-	-	-	-	-	-	-	-	-	-	-
Canon City And Royal Gorge RR, LLC [CRRX]	3	-	3	-	-	-	-	-	-	3	-	3
Canton RR Co. [CTN]	-	-	-	-	-	-	-	-	-	-	-	-
Cape Cod Central [CCCX]	-	-	-	-	-	-	-	-	-	-	-	-
Cargill Inc. GOSCNA [CGIV]	-	-	-	-	-	-	-	-	-	-	-	-
Carolina Coastal Rwy, Inc. [CLNA]	-	-	-	-	-	-	-	-	-	-	-	-
Carolina Southern RR Co., The [CALA]	1	-	-	1	-	-	-	-	-	-	-	-
Carrizo Gorge Rwy Inc. [CZRY]	1	-	-	1	-	-	-	-	-	-	-	-
Carthage, Knightstown & Shirley RR [CKSI]	-	-	-	-	-	-	-	-	-	-	-	-
Cascade & Columbia River RR [CSCD]	-	-	-	-	-	-	-	-	-	-	-	-
Cass Scenic [CASS]	8	-	9	-	-	-	-	-	-	8	-	9
Catskill Mountain RR [CMRR]	-	-	-	-	-	-	-	-	-	-	-	-
Cedar Rapids & Iowa City Rwy Co. [CIC]	9	-	3	3	-	-	3	-	-	3	-	3
Central California Traction Co. [CCT]	4	-	1	-	-	-	3	-	-	1	-	1
Central Illinois RR Co. [CIRY]	-	-	-	-	-	-	-	-	-	-	-	-
Central Indiana & Western RR Co. [CEIW]	-	-	-	-	-	-	-	-	-	-	-	-
Central Midland Rwy Co. [CMR]	-	-	-	-	-	-	-	-	-	-	-	-
Central Montana RR [CM]	-	-	-	-	-	-	-	-	-	-	-	-
Central Oregon & Pacific RR, Inc. [CORP]	2	-	1	-	-	-	1	-	-	1	-	1

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2007

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Central RR Co. Of Indiana [CIND]	-	-	-	-	-	-	-	-	-	-	-	-
Central RR Co. Of Indianapolis [CERA]	4	-	-	-	-	-	4	-	-	-	-	-
Central Washington RR Co. [CWA]	3	-	2	-	-	-	1	-	-	2	-	2
Charlotte Southern RR Co. [CHS]	-	-	-	-	-	-	-	-	-	-	-	-
Chattahoochee Bay RR [CHAT]	-	-	-	-	-	-	-	-	-	-	-	-
Chattahoochee Industrial RR [CIRR]	-	-	-	-	-	-	-	-	-	-	-	-
Chattooga & Chickamauga RR [CKKY]	2	-	-	2	-	-	-	-	-	-	-	-
Chehalis & Centralia RR Association [CHCX]	-	-	-	-	-	-	-	-	-	-	-	-
Chesapeake & Albemarle RR Co. [CA]	-	-	-	-	-	-	-	-	-	-	-	-
Chesapeake & Indiana RR [CKIN]	-	-	-	-	-	-	-	-	-	-	-	-
Chestnut Ridge Rwy Co. [CHR]	1	-	1	-	-	-	1	-	1	-	-	-
Chicago Rail Link [CRL]	7	-	-	6	-	-	1	-	-	-	-	-
Chicago Southshore & South Bend RR [CSS]	3	-	1	1	-	-	1	-	-	1	-	1
Chicago Term. RR [CTM]	-	-	-	-	-	-	-	-	-	-	-	-
Chicago-Chemung RR Corp. [CCUO]	-	-	-	-	-	-	-	-	-	-	-	-
Cimarron Valley RR L C [CVR]	2	-	1	-	-	-	1	-	-	1	-	1
Cincinnati Rwy Co., The [CNRX]	-	-	-	-	-	-	-	-	-	-	-	-
City Of Prineville Rwy [COP]	1	-	-	-	-	-	1	-	-	-	-	-
City of Keokuk [KEOK]	-	-	-	-	-	-	-	-	-	-	-	-
Claremont Concord RR Corp. [CCRR]	-	-	-	-	-	-	-	-	-	-	-	-
Clarendon & Pittsford RR Co. [CLP]	1	-	1	-	-	-	-	-	-	1	-	1
Cleveland Commercial RR Co., LLC [CCRL]	2	-	1	-	-	-	2	-	1	-	-	-
Cleveland Works Rwy Co. [CWRO]	7	-	2	3	-	-	2	-	-	2	-	2
Clinton Term. RR Co. [CTR]	-	-	-	-	-	-	-	-	-	-	-	-
Cloquet Term. RR Co., Inc. [CTRR]	2	-	2	-	-	-	-	-	-	2	-	2
Colorado & Wyoming Rwy Co. [CW]	3	-	1	2	-	-	-	-	-	1	-	1
Columbia & Cowlitz Rwy Co. [CLC]	2	-	2	-	-	-	-	-	-	2	-	2
Columbia Basin RR Co. Inc. [CBRW]	5	-	5	-	-	-	-	-	-	5	-	5
Columbia Business Center [CBCX]	-	-	-	-	-	-	-	-	-	-	-	-
Columbia Term. RR Co. [CT]	1	-	-	-	-	-	1	-	-	-	-	-
Columbus & Greenville Rwy Co. [CAGY]	4	-	1	-	-	-	4	-	1	-	-	-
Columbus & Ohio River RR [CUOH]	6	-	2	-	-	-	4	-	-	2	-	2
Commonwealth Rwy, Inc. [CWRY]	-	-	-	-	-	-	-	-	-	-	-	-
Conecuh Valley RR [COEH]	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut Department Of Transportation [CDOT]	3	-	3	-	-	-	-	-	-	3	-	3
Connecticut Southern RR Inc. [CSO]	2	-	1	1	-	-	-	-	-	1	-	1
Consolidated Grain & Barge Co. [CGBX]	1	-	-	1	-	-	-	-	-	-	-	-
Conway Scenic RR [CONW]	3	-	1	-	-	-	2	-	-	1	-	1
Coopersville & Marne RR [CMRX]	-	-	-	-	-	-	-	-	-	-	-	-
Copper Basin Rwy, Inc. [CBRY]	-	-	-	-	-	-	-	-	-	-	-	-
Corpus Christi Term. RR Inc. [CCPN]	2	-	1	1	-	-	-	-	-	1	-	1
Crab Orchard & Egyptian RR [COER]	-	-	-	-	-	-	-	-	-	-	-	-
Cumbres & Toltec Scenic RR [CTSR]	4	1	3	-	-	-	-	-	-	4	1	3
Cuyahoga Valley Scenic Rwy [CVSX]	3	-	3	-	-	-	-	-	-	3	-	3
D & I RR Co. [DAIR]	-	-	-	-	-	-	-	-	-	-	-	-
Dakota Northern RR, Inc. [DN]	-	-	-	-	-	-	-	-	-	-	-	-
Dakota Southern Rwy Co. [DSRC]	-	-	-	-	-	-	-	-	-	-	-	-
Dakota, Missouri Valley & Western RR, Inc. [DMVW]	10	-	6	4	-	-	1	-	1	5	-	5
Dallas, Garland & Northeastern RR [DGNO]	6	-	-	5	-	-	1	-	-	-	-	-
Dardanelle & Russellville RR [DR]	-	-	-	-	-	-	-	-	-	-	-	-
DeQueen & Eastern RR Co. [DQE]	7	2	5	2	-	-	2	2	2	3	-	3
Decatur Junction Rwy Co. [DT]	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2007

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Delaware & Ulster Rail Ride [DURR]	-	-	-	-	-	-	-	-	-	-	-	-
Delaware Coast Line RR [DCLR]	-	-	-	-	-	-	-	-	-	-	-	-
Delaware Lackawanna RR [DL]	7	-	4	2	-	-	1	-	-	4	-	4
Delray Connecting RR Co. [DC]	1	-	1	-	-	-	-	-	-	1	-	1
Delta Southern RR Co. [DSRR]	-	-	-	-	-	-	-	-	-	-	-	-
Delta Valley & Southern Rwy Co. [DVS]	-	-	-	-	-	-	-	-	-	-	-	-
Denver Rock Island RR [DRIR]	-	-	-	-	-	-	-	-	-	-	-	-
Dependable Rail Services [DPRX]	1	-	1	-	-	-	-	-	-	1	-	1
Depew, Lancaster & Western RR Co., Inc. [DLWR]	1	-	1	-	-	-	-	-	-	1	-	1
Detroit Connecting RR [DCON]	-	-	-	-	-	-	-	-	-	-	-	-
Detroit Edison [DE]	3	-	2	-	-	-	1	-	-	2	-	2
Dubois County RR [DCRR]	-	-	-	-	-	-	-	-	-	-	-	-
Durango & Silverton Narrow Gauge RR Co. [DSNG]	15	-	13	1	-	-	2	-	1	12	-	12
East Brookfield & Spencer RR LLC [EBSR]	-	-	-	-	-	-	-	-	-	-	-	-
East Camden & Highland RR Co. [EACH]	2	-	1	1	-	-	-	-	-	1	-	1
East Chattanooga Belt Rwy Co. [ECTB]	-	-	-	-	-	-	-	-	-	-	-	-
East Cooper & Berkeley RR [ECBR]	-	-	-	-	-	-	-	-	-	-	-	-
East Erie Commercial RR [EEC]	-	-	-	-	-	-	-	-	-	-	-	-
East Jersey RR & Term. Co. [EJR]	-	-	-	-	-	-	-	-	-	-	-	-
East Penn RR LLC [ESPN]	2	-	-	-	-	-	2	-	-	-	-	-
East Penn Rwy, Inc. [EPRY]	-	-	-	-	-	-	-	-	-	-	-	-
East Tennessee Rwy, L.P. [ETRY]	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Alabama Rwy Co. [EARY]	2	-	-	-	-	-	2	-	-	-	-	-
Eastern Idaho RR [EIRR]	9	-	4	-	-	-	6	-	1	3	-	3
Eastern Illinois RR Co. [EIRC]	1	-	1	-	-	-	-	-	-	1	-	1
Eastern Maine RR Co. [EMRY]	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Washington Gateway RR Co. [EWG]	1	-	-	1	-	-	-	-	-	-	-	-
Econo Rail Corp. [TXTX]	10	-	-	8	-	-	2	-	-	-	-	-
Effingham RR Co. [EFRR]	-	-	-	-	-	-	-	-	-	-	-	-
El Dorado & Wesson Rwy Co. [EDW]	-	-	-	-	-	-	-	-	-	-	-	-
Elk River RR, Inc. [ELKR]	-	-	-	-	-	-	-	-	-	-	-	-
Ellis and Eastern Co. [EERZ]	3	-	2	-	-	-	1	-	-	2	-	2
Erie Western Rwy [EWR]	-	-	-	-	-	-	-	-	-	-	-	-
Escalante Western Rwy [ESWR]	-	-	-	-	-	-	-	-	-	-	-	-
Escanaba & Lake Superior RR Co. [ELS]	12	-	11	-	-	-	1	-	-	11	-	11
Evansville Western Rwy, Inc. [EVWR]	5	-	3	-	-	-	3	-	1	2	-	2
Everett RR Co. [EV]	4	-	5	-	-	-	2	-	2	2	-	3
Exel Switching Service [ESSV]	-	-	-	-	-	-	-	-	-	-	-	-
Falls Creek RR [FCR]	1	-	1	-	-	-	-	-	-	1	-	1
Falls Road RR Co. Inc. [FRR]	3	1	2	-	-	-	-	-	-	3	1	2
Farmrail Corp. [FMRC]	3	-	1	1	-	-	1	-	-	1	-	1
Fayette Central RR [FCRV]	-	-	-	-	-	-	-	-	-	-	-	-
Fillmore And Western [FMWX]	-	-	-	-	-	-	-	-	-	-	-	-
Finger Lakes Rwy Corp. [FGLK]	7	-	3	-	-	-	5	-	1	2	-	2
First Coast RR Inc. [FCRD]	1	-	-	1	-	-	-	-	-	-	-	-
Flats Industrial RR [FIR]	-	-	-	-	-	-	-	-	-	-	-	-
Florida Central RR Co. [FCEN]	1	-	1	-	-	-	-	-	-	1	-	1
Florida Midland RR Co., Inc. [FMID]	-	-	-	-	-	-	-	-	-	-	-	-
Florida Northern RR Co., Inc. [FNOR]	3	-	2	-	-	-	1	-	-	2	-	2
Flying J / Big West Oil [FLYJ]	-	-	-	-	-	-	-	-	-	-	-	-
Fordyce & Princeton RR Co. [FP]	-	-	-	-	-	-	-	-	-	-	-	-
Fore River Transportation Corp. [FRVT]	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2007

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Fort Smith RR Co. [FSR]	3	-	2	-	-	-	1	-	-	2	-	2
Fort Worth & Western RR [FWWR]	18	-	7	5	-	-	8	-	2	5	-	5
Fremont & Elkhorn Valley RR [FEVR]	-	-	-	-	-	-	-	-	-	-	-	-
Frontier Rail Switch Service [FRRV]	-	-	-	-	-	-	-	-	-	-	-	-
Fulton County RR Co. [FC]	-	-	-	-	-	-	-	-	-	-	-	-
Galveston RR, L.P. [GVSR]	3	-	-	3	-	-	-	-	-	-	-	-
Garden City Western Rwy Co. [GCW]	1	-	-	-	-	-	1	-	-	-	-	-
Gateway Eastern RR Co. [GWWE]	1	-	1	-	-	-	-	-	-	1	-	1
Georgetown RR Co. [GRR]	2	-	1	-	-	-	1	-	-	1	-	1
Georgia & Florida Rwy [GFRR]	2	-	1	1	-	-	1	-	1	-	-	-
Georgia Central Rwy, L.P. [GC]	1	-	-	-	-	-	1	-	-	-	-	-
Georgia Midland RR, Inc. [GMR]	-	-	-	-	-	-	-	-	-	-	-	-
Georgia Northeastern RR Co. [GNRR]	10	-	6	2	-	-	2	-	-	6	-	6
Georgia Southwestern RR Inc. [GSWR]	1	-	-	1	-	-	-	-	-	-	-	-
Georgia Woodlands RR [GWRC]	-	-	-	-	-	-	-	-	-	-	-	-
Gettysburg and Northern RR [GET]	2	-	2	-	-	-	-	-	-	2	-	2
Giant Cement [GICX]	-	-	-	-	-	-	-	-	-	-	-	-
Gloster Southern RR [GLSR]	-	-	-	-	-	-	-	-	-	-	-	-
Golden Isles Term. RR, Inc. [GITM]	3	-	2	-	-	-	1	-	-	2	-	2
Golden Triangle RR Co. [GTRA]	-	-	-	-	-	-	-	-	-	-	-	-
Grafton & Upton RR Co. [GU]	-	-	-	-	-	-	-	-	-	-	-	-
Grainbelt Corp. [GNBC]	6	-	4	2	-	-	1	-	1	3	-	3
Grand Canyon Rwy [GCRX]	36	-	36	-	-	-	-	-	-	36	-	36
Grand Rapids Eastern RR Inc. [GR]	1	-	1	-	-	-	1	-	1	-	-	-
Grapevine Vintage RR [GRVV]	-	-	-	-	-	-	-	-	-	-	-	-
Great Lakes Central RR [GLC]	7	-	3	2	-	-	2	-	-	3	-	3
Great Northwest RR, Inc. [GRNW]	2	-	1	1	-	-	-	-	-	1	-	1
Great Smoky Mountains Rwy, The [GSM]	5	-	6	-	-	-	-	-	-	5	-	6
Great Walton RR Co. [GRWR]	1	-	-	-	-	-	1	-	-	-	-	-
Great Western Rwy of Colorado, LLC [GWR]	11	-	4	6	-	-	1	-	-	4	-	4
Green Mountain RR Corp. [GMRC]	8	-	6	-	-	-	2	-	-	6	-	6
Greenville & Western Rwy Co. LLC [GRLW]	-	-	-	-	-	-	-	-	-	-	-	-
Gulf, Colorado San Saba Rwy Corp. [GCSR]	-	-	-	-	-	-	-	-	-	-	-	-
Hampton & Branchville RR Co. [HB]	-	-	-	-	-	-	-	-	-	-	-	-
Hartwell RR Co. [HRT]	-	-	-	-	-	-	-	-	-	-	-	-
Hawaiian Rwy Society [HRSX]	-	-	-	-	-	-	-	-	-	-	-	-
Heart of Georgia RR, Inc. [HOG]	-	-	-	-	-	-	-	-	-	-	-	-
Heber Valley RR Utah [HVRX]	8	-	8	-	-	-	-	-	-	8	-	8
Heritage RR Corp [HR]	-	-	-	-	-	-	-	-	-	-	-	-
High Point, Thomasville & Denton RR Co. [HPTD]	2	-	-	1	-	-	1	-	-	-	-	-
Hiwassee River RR [HWRV]	-	-	-	-	-	-	-	-	-	-	-	-
Hocking Valley Scenic Rwy [HVSRR]	1	-	-	-	-	-	1	-	-	-	-	-
Hollis & Eastern RR Co. [HE]	-	-	-	-	-	-	-	-	-	-	-	-
Honey Creek RR, Inc. [HCRR]	1	-	1	1	-	1	-	-	-	-	-	-
Hoosier Southern RR [HOS]	-	-	-	-	-	-	-	-	-	-	-	-
Hoosier Valley RR Museum [HVMV]	-	-	-	-	-	-	-	-	-	-	-	-
Housatonic RR Co., Inc. [HRRC]	3	-	1	2	-	-	-	-	-	1	-	1
Huckleberry RR [HRR]	-	-	-	-	-	-	-	-	-	-	-	-
Huntsville & Madison county RR Authority [HMCR]	-	-	-	-	-	-	-	-	-	-	-	-
Huron & Eastern Rwy [HESR]	8	-	3	2	-	-	3	-	-	3	-	3
ITS Technologies & Logistics, LLC. [ITSL]	1	-	-	1	-	-	-	-	-	-	-	-
Idaho Northern & Pacific RR Co. [INPR]	4	-	3	-	-	-	1	-	-	3	-	3

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2007

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Illinois & Midland RR Inc. [IMRR]	9	-	3	3	-	-	3	-	-	3	-	3
Illinois Railnet Inc. [IR]	-	-	-	-	-	-	-	-	-	-	-	-
Illinois Rwy Museum [IRYM]	-	-	-	-	-	-	-	-	-	-	-	-
Illinois Western RR Co. [ILW]	-	-	-	-	-	-	-	-	-	-	-	-
Indian Creek RR Co. [ICRK]	-	-	-	-	-	-	-	-	-	-	-	-
Indiana & Ohio Rwy [IORY]	20	-	10	4	-	-	8	-	2	8	-	8
Indiana Eastern RR LLC [IERR]	-	-	-	-	-	-	-	-	-	-	-	-
Indiana Northeastern RR Co., Incorporated [IN]	1	-	1	-	-	-	-	-	-	1	-	1
Indiana Rail Road Co. [INRD]	27	2	18	8	-	-	9	2	8	10	-	10
Indiana Rwy Museum [IRM]	-	-	-	-	-	-	-	-	-	-	-	-
Indiana Southern RR Co., Inc. [ISRR]	2	-	-	1	-	-	1	-	-	-	-	-
Indiana Southwestern Rwy Co. [ISW]	-	-	-	-	-	-	-	-	-	-	-	-
Indiana Transportation Museum [ITMZ]	-	-	-	-	-	-	-	-	-	-	-	-
Inland Lakes Rwy [ILRV]	-	-	-	-	-	-	-	-	-	-	-	-
Intermodal Transfer, LLC [RSIX]	-	-	-	-	-	-	-	-	-	-	-	-
Iowa Northern Rwy Co. [IANR]	20	1	6	6	-	-	9	1	1	5	-	5
Iowa River RR Inc [IARR]	1	-	-	-	-	-	1	-	-	-	-	-
Iowa Traction RR Co. [IATR]	-	-	-	-	-	-	-	-	-	-	-	-
Jacintoport International, LP [JCIV]	-	-	-	-	-	-	-	-	-	-	-	-
Jefferson Warrior RR [JEFW]	1	-	1	-	-	-	-	-	-	1	-	1
Johnson County Airport Commission [JCAX]	-	-	-	-	-	-	-	-	-	-	-	-
Joppa & Eastern RR Co. [JERX]	-	-	-	-	-	-	-	-	-	-	-	-
Juniata Valley RR Co. [JVRR]	-	-	-	-	-	-	-	-	-	-	-	-
K.W.T. Rwy, Inc. [KWT]	2	1	-	-	-	-	2	1	-	-	-	-
Kankakee, Beaverville & Southern RR Co. [KBSR]	1	-	1	-	-	-	-	-	-	1	-	1
Kansas City Term. Rwy Co. [KCT]	1	-	-	1	-	-	-	-	-	-	-	-
Kansas City Transportation Co LLC [KCTL]	-	-	-	-	-	-	-	-	-	-	-	-
Kansas and Oklahoma RR [KO]	11	-	3	5	-	-	3	-	-	3	-	3
Kaw River RR [KAW]	1	-	-	-	-	-	1	-	-	-	-	-
Kendallville Term. Rwy Co. [KTR]	-	-	-	-	-	-	-	-	-	-	-	-
Kentucky & Tennessee Rwy [KT]	-	-	-	-	-	-	-	-	-	-	-	-
Kentucky Rwy Museum [KRM]	-	-	-	-	-	-	-	-	-	-	-	-
Keokuk Junction Rwy [KJRY]	1	-	-	1	-	-	-	-	-	-	-	-
Kettle Falls International Rwy LLC [KFR]	2	-	2	1	-	-	1	-	2	-	-	-
Kiamichi RR Co. LLC [KRR]	15	-	4	9	-	-	4	-	2	2	-	2
Kiski Junction RR [KJR]	-	-	-	-	-	-	-	-	-	-	-	-
Klamath Northern Rwy Co. [KNOR]	-	-	-	-	-	-	-	-	-	-	-	-
Knox & Kane RR Co. [KKRR]	-	-	-	-	-	-	-	-	-	-	-	-
Knoxville & Holston River RR Co., Inc. [KXHR]	1	-	1	-	-	-	-	-	-	1	-	1
Kyle RR Co. [KYLE]	7	-	2	4	-	-	1	-	-	2	-	2
Lahaina Kaanapoli And Pacific [LKP]	-	-	-	-	-	-	-	-	-	-	-	-
Lake Charlse Harbor District [LCHD]	1	-	-	-	-	-	1	-	-	-	-	-
Lake Michigan & Indiana RR Co. [LMIC]	2	-	2	-	-	-	-	-	-	2	-	2
Lake Shore Rwy [LSRX]	-	-	-	-	-	-	-	-	-	-	-	-
Lake State Rwy Co. [LSRC]	23	-	8	13	-	-	3	-	1	7	-	7
Lake Superior & Ishpeming RR Co. [LSI]	5	-	5	-	-	-	-	-	-	5	-	5
Lake Superior & Mississippi RR [LSMR]	-	-	-	-	-	-	-	-	-	-	-	-
Lake Superior RR Museum [LSMT]	-	-	-	-	-	-	-	-	-	-	-	-
Lake Term. RR Co. [LT]	1	-	1	-	-	-	-	-	-	1	-	1
Lake Whatcom Rwy [LWAT]	-	-	-	-	-	-	-	-	-	-	-	-
Lancaster & Chester Rwy Co. [LC]	5	-	4	1	-	-	-	-	-	4	-	4
Landisville Term. & Transfer Co. [LNVN]	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2007

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Laona & Northern Rwy [LNO]	-	-	-	-	-	-	-	-	-	-	-	-
Lapree Industrial RR [LIRR]	-	-	-	-	-	-	-	-	-	-	-	-
Laurinburg & Southern RR Co. [LRS]	1	-	1	-	-	-	-	-	-	1	-	1
Leadville, Colorado & Southern RR, Co. [LCSR]	-	-	-	-	-	-	-	-	-	-	-	-
Lehigh Valley Rail Management [LVRX]	-	-	-	-	-	-	-	-	-	-	-	-
Litchfield Industrial RR [LFIZ]	-	-	-	-	-	-	-	-	-	-	-	-
Little Kanawha River Rail [LKRR]	-	-	-	-	-	-	-	-	-	-	-	-
Little River RR [LRR]	-	-	-	-	-	-	-	-	-	-	-	-
Little Rock & Western Rwy, L.P. [LRWN]	1	-	-	1	-	-	-	-	-	-	-	-
Little Rock Port RR Co. [LRPA]	1	-	1	-	-	-	-	-	-	1	-	1
Livonia, Avon & Lakeville RR Corp. [LAL]	-	-	-	-	-	-	-	-	-	-	-	-
Lodestar Logistics [LDLV]	-	-	-	-	-	-	-	-	-	-	-	-
Logansport & Eel River Short Line Co., Inc. [LER]	-	-	-	-	-	-	-	-	-	-	-	-
Lone Star Industries [LSIZ]	-	-	-	-	-	-	-	-	-	-	-	-
Longview Switching [LS]	1	-	-	1	-	-	-	-	-	-	-	-
Los Angeles County Metropolitan Trans Authority [L	3	2	4	-	-	-	3	2	4	-	-	-
Los Angeles Junction Rwy Co. [LAJ]	3	-	3	-	-	-	-	-	-	3	-	3
Louisiana & Delta RR [LDRR]	1	-	1	1	-	1	-	-	-	-	-	-
Louisiana & North West RR Co. [LNW]	4	-	2	2	-	-	-	-	-	2	-	2
Louisiana Southern [LAS]	8	-	1	6	-	-	1	-	-	1	-	1
Louisville & Indiana RR Co. [LIRC]	8	-	4	1	-	-	3	-	-	4	-	4
Louisville & Wadley Rwy Co. [LW]	-	-	-	-	-	-	-	-	-	-	-	-
Louisville, New Albany & Corydon RR [LNAL]	-	-	-	-	-	-	-	-	-	-	-	-
Lowville & Beaver River RR Co. [LBR]	-	-	-	-	-	-	-	-	-	-	-	-
Luxapalila Valley RR Inc. [LXVR]	-	-	-	-	-	-	-	-	-	-	-	-
Luzerene & Susquehanna Rwy Co. [LSX]	-	-	-	-	-	-	-	-	-	-	-	-
Lycoming Valley RR Co. [LVRR]	-	-	-	-	-	-	-	-	-	-	-	-
M & B RR LLC [MNBR]	17	2	12	10	-	6	2	1	2	5	1	4
MNTX	-	-	-	-	-	-	-	-	-	-	-	-
Madison RR Division [CMPA]	-	-	-	-	-	-	-	-	-	-	-	-
Magma Arizona RR Co. [MAA]	-	-	-	-	-	-	-	-	-	-	-	-
Mahoning Valley RR Co. [MVRV]	-	-	-	-	-	-	-	-	-	-	-	-
Maine Eastern RR [MERR]	2	-	2	-	-	-	-	-	-	2	-	2
Manufacturers' Junction Rwy Co. [MJ]	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturers' Rwy Co. [MRS]	5	-	5	-	-	-	-	-	-	5	-	5
Marquette Rail LLC [MQT]	6	-	1	1	-	-	4	-	-	1	-	1
Maryland & Delaware RR Co. [MDDE]	1	-	1	-	-	-	-	-	-	1	-	1
Maryland Midland Rwy, Inc. [MMID]	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts Central RR Corp. [MCER]	-	-	-	-	-	-	-	-	-	-	-	-
Massena Term. RR Co. [MSTR]	-	-	-	-	-	-	-	-	-	-	-	-
Maumee & Western RR Corp. [MAW]	2	1	1	-	-	-	-	-	-	2	1	1
Mccloud Rwy Co. [MCR]	-	-	-	-	-	-	-	-	-	-	-	-
Mckeesport Connecting RR Co. [MKC]	1	-	1	-	-	-	-	-	-	1	-	1
Meeker Southern RR [MSN]	-	-	-	-	-	-	-	-	-	-	-	-
Meridian Southern Rwy LLC [MDS]	-	-	-	-	-	-	-	-	-	-	-	-
Michigan Air-Line Rwy Co. [MAL]	-	-	-	-	-	-	-	-	-	-	-	-
Michigan Shore RR [MS]	3	-	1	-	-	-	2	-	-	1	-	1
Michigan Southern RR Co., Inc. [MSO]	-	-	-	-	-	-	-	-	-	-	-	-
Michigan State Trust For Rwy Preservation [MSTP]	1	-	1	-	-	-	-	-	-	1	-	1
Mid-Continent Rwy [MCRY]	1	-	1	-	-	-	-	-	-	1	-	1
Mid-Michigan RR Co. [MMRR]	-	-	-	-	-	-	-	-	-	-	-	-
Middletown & Hummelstown RR Co. [MIDH]	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2007

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
Middletown & New Jersey Rwy Co., Inc. [MNJ]	-	-	-	-	-	-	-	-	-	-	-	-
Midlands Rwy [MDRY]	-	-	-	-	-	-	-	-	-	-	-	-
Milford-Bennington RR Co. [MBRX]	-	-	-	-	-	-	-	-	-	-	-	-
Minnesota Commercial Rwy [MNNR]	19	-	15	1	-	-	3	-	-	15	-	15
Minnesota Northern RR Inc. [MNN]	2	-	-	1	-	-	1	-	-	-	-	-
Minnesota Prairie Line, Inc. [MPLI]	-	-	-	-	-	-	-	-	-	-	-	-
Minnesota Southern Rwy, Inc. [MSWY]	-	-	-	-	-	-	-	-	-	-	-	-
Minnesota Zephyr, Limited [MZL]	-	-	-	-	-	-	-	-	-	-	-	-
Minnesota, Dakota & Western Rwy Co. [MDW]	1	-	1	-	-	-	-	-	-	1	-	1
Mission Mountain RR [MMT]	3	-	1	-	-	-	2	-	-	1	-	1
Mississippi & Skuna Valley RR Co. [MSV]	-	-	-	-	-	-	-	-	-	-	-	-
Mississippi Central RR Co. [MSCI]	-	-	-	-	-	-	-	-	-	-	-	-
Mississippi Export RR Co. [MSE]	5	-	4	-	-	-	1	-	-	4	-	4
Mississippi Southern RR [MSR]	1	-	-	1	-	-	-	-	-	-	-	-
Mississippi Tennessee RR LLC [MTNR]	1	-	-	-	-	-	1	-	-	-	-	-
Mississippi Rwy Cooperative, Inc. [MSRW]	-	-	-	-	-	-	-	-	-	-	-	-
Missouri & Northern Arkansas RR Co., Inc. [MNA]	16	-	7	4	-	-	7	-	2	5	-	5
Missouri & Valley Park RR Corp [MVP]	2	-	1	1	-	-	-	-	-	1	-	1
Missouri North Central RR [MNC]	-	-	-	-	-	-	-	-	-	-	-	-
Modesto & Empire Traction Co. [MET]	5	-	2	-	-	-	3	-	-	2	-	2
Modoc Northern RR Co. [MNRR]	-	-	-	-	-	-	-	-	-	-	-	-
Mohawk, Adirondack & Northern RR Corp. [MHWA]	1	-	2	-	-	-	1	-	2	-	-	-
Monticello Rwy Museum [MRMZ]	-	-	-	-	-	-	-	-	-	-	-	-
Morehead & South Fork RR Co. Inc. [MHSF]	-	-	-	-	-	-	-	-	-	-	-	-
Morristown & Erie Rwy, Inc. [ME]	3	-	3	-	-	-	-	-	-	3	-	3
Moscow, Camden & San Augustine RR [MCSA]	-	-	-	-	-	-	-	-	-	-	-	-
Mount Hood Rwy Co. [MH]	1	-	1	-	-	-	-	-	-	1	-	1
Mount Rainier Scenic RR [MRSR]	-	-	-	-	-	-	-	-	-	-	-	-
Mount Vernon Term. Rwy, Inc. [MVT]	-	-	-	-	-	-	-	-	-	-	-	-
Municipality Of East Troy [METW]	-	-	-	-	-	-	-	-	-	-	-	-
N C Transportation Museum Foundation [NCMX]	-	-	-	-	-	-	-	-	-	-	-	-
Name not on file [HKGX]	-	-	-	-	-	-	-	-	-	-	-	-
Napa Valley RR [NVRN]	-	-	-	-	-	-	-	-	-	-	-	-
Nash County RR [NCYR]	2	-	1	-	-	-	1	-	-	1	-	1
Nashville & Eastern RR [NERR]	7	-	6	-	-	-	1	-	-	6	-	6
Nashville & Western RR Corp. [NWR]	-	-	-	-	-	-	-	-	-	-	-	-
Naugatuck RR Co. Inc. [NAUG]	-	-	-	-	-	-	-	-	-	-	-	-
Nebkota Rwy, Inc. [NRI]	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska Central RR [NCRC]	3	-	1	-	-	-	2	-	-	1	-	1
Nebraska Northeastern Rwy Co. [NENE]	1	-	1	-	-	-	-	-	-	1	-	1
Nebraska, Kansas, Colorado Railnet [NKCR]	1	-	1	-	-	-	1	-	1	-	-	-
Nevada Northern Rwy [NNRX]	-	-	-	-	-	-	-	-	-	-	-	-
Nevada Southern Rwy [NVSV]	-	-	-	-	-	-	-	-	-	-	-	-
New Castle Industrial RR [NCIR]	-	-	-	-	-	-	-	-	-	-	-	-
New England Central RR [NECR]	4	-	3	1	-	-	-	-	-	3	-	3
New England Southern RR Co., Inc. [NEGS]	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire Central RR, Inc. [NHCR]	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire North Coast RR [NHN]	-	-	-	-	-	-	-	-	-	-	-	-
New Hope & Ivyland Rail Road [NHRR]	-	-	-	-	-	-	-	-	-	-	-	-
New Hope Valley Rwy/NC RR Museum [NHVX]	-	-	-	-	-	-	-	-	-	-	-	-
New Jersey Rail Carrier, LLC. [NJRC]	-	-	-	-	-	-	-	-	-	-	-	-
New Mexico Rail Runner Express [NMRX]	4	3	2	-	-	-	2	3	-	2	-	2

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2007

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
New Orleans & Gulf Coast Rwy Co. Inc. [NOGC]	13	-	6	4	-	-	4	-	1	5	-	5
New Orleans Public Belt RR [NOPB]	10	-	5	4	-	-	1	-	-	5	-	5
New York & Atlantic Rwy Co. [NYA]	8	-	5	2	-	-	1	-	-	5	-	5
New York & Greenwood Lake Rwy [NYGL]	-	-	-	-	-	-	-	-	-	-	-	-
New York & Lake Erie [NYLE]	-	-	-	-	-	-	-	-	-	-	-	-
New York & Ogdensburg Rwy Co. Inc. [NYOG]	1	-	1	-	-	-	-	-	-	1	-	1
New York Container Term. [NYCT]	-	-	-	-	-	-	-	-	-	-	-	-
New York New Jersey Rail LLC [NYNJ]	-	-	-	-	-	-	-	-	-	-	-	-
New York, Susquehanna & Western RR Co. [NYSW]	13	-	10	3	-	-	1	-	1	9	-	9
Newburgh & South Shore RR [NSR]	-	-	-	-	-	-	-	-	-	-	-	-
Newport Dinner Train [NPDX]	-	-	-	-	-	-	-	-	-	-	-	-
Niles Canyon Rwy [NICX]	-	-	-	-	-	-	-	-	-	-	-	-
Nimishillen & Tuscarawas, LLC [NTRY]	2	-	4	-	-	-	-	-	-	2	-	4
Nittany & Bald Eagle [NBER]	1	-	1	-	-	-	-	-	-	1	-	1
Norfolk & Portsmouth Belt Line RR Co. [NPB]	1	-	-	1	-	-	-	-	-	-	-	-
North Carolina & Virginia RR Co. [NCVA]	1	-	-	1	-	-	-	-	-	-	-	-
North Shore RR [NSHR]	-	-	-	-	-	-	-	-	-	-	-	-
North Shore Scenic RR [NSSR]	-	-	-	-	-	-	-	-	-	-	-	-
Northern Lines Rwy LLC [NLR]	1	-	-	-	-	-	1	-	-	-	-	-
Northern Ohio & Western Rwy, LTD. [NOW]	-	-	-	-	-	-	-	-	-	-	-	-
Northern Plains RR, Inc. [NPR]	9	-	7	2	-	-	-	-	-	7	-	7
Northwestern Oklahoma RR Co. [NOKL]	-	-	-	-	-	-	-	-	-	-	-	-
Oakland Term. Rwy [OTR]	-	-	-	-	-	-	-	-	-	-	-	-
Ohi Rail Corp. [OHIC]	-	-	-	-	-	-	-	-	-	-	-	-
Ohio Central RR Co. [OHCR]	2	-	2	-	-	-	-	-	-	2	-	2
Ohio Southern RR Co. [OSRR]	-	-	-	-	-	-	-	-	-	-	-	-
Ohio Valley RR Co. [OVR]	-	-	-	-	-	-	-	-	-	-	-	-
Oil Creek & Titusville Lines [OCTL]	-	-	-	-	-	-	-	-	-	-	-	-
Oklahoma Rwy Museum Ltd [OKRX]	-	-	-	-	-	-	-	-	-	-	-	-
Old Augusta RR Co. [OAR]	1	-	-	1	-	-	-	-	-	-	-	-
Omaha, Lincoln & Beatrice Rwy Co. [OLB]	-	-	-	-	-	-	-	-	-	-	-	-
Ontario Central RR Corp. [ONCT]	1	-	1	-	-	-	1	-	1	-	-	-
Ontario Midland RR Corp. [OMID]	-	-	-	-	-	-	-	-	-	-	-	-
Orange Empire Rwy Museum [OERY]	-	-	-	-	-	-	-	-	-	-	-	-
Oregon Coast Scenic RR [OCSR]	1	-	1	-	-	-	-	-	-	1	-	1
Oregon Eastern RR [OERR]	1	-	1	-	-	-	-	-	-	1	-	1
Oregon Pacific RR Co. [OPR]	-	-	-	-	-	-	-	-	-	-	-	-
Otter Tail Valley RR Co., Inc. [OTVR]	-	-	-	-	-	-	-	-	-	-	-	-
Ouachita RR [OUCH]	-	-	-	-	-	-	-	-	-	-	-	-
Over Land Trucking and Rail [OLTX]	-	-	-	-	-	-	-	-	-	-	-	-
Owego & Harford Rwy, Inc. [OHRY]	-	-	-	-	-	-	-	-	-	-	-	-
Ozark Valley RR Inc. [OVRR]	-	-	-	-	-	-	-	-	-	-	-	-
Pacific & Arctic RR & Navigation Co. [PARN]	20	-	20	-	-	-	-	-	-	20	-	20
Pacific Harbor Line Inc. [PHL]	11	-	4	7	-	-	-	-	-	4	-	4
Pacific SW Rwy Museum [PSRM]	-	-	-	-	-	-	-	-	-	-	-	-
Palouse River & Coulee City RR Inc. [PCC]	2	-	-	2	-	-	-	-	-	-	-	-
Panhandle Northern RR Co. [PNR]	4	-	2	2	-	-	-	-	-	2	-	2
Patapsco & Back Rivers RR Co. [PBR]	3	-	2	1	-	-	-	-	-	2	-	2
Pecos Valley Southern Rwy Co. [PVS]	-	-	-	-	-	-	-	-	-	-	-	-
Pend Oreille Valley RR, Inc. [POVA]	4	-	4	-	-	-	-	-	-	4	-	4
Peninsula Term. Co. [PT]	-	-	-	-	-	-	-	-	-	-	-	-
Penn Eastern Rail Lines Inc. [PRL]	2	-	-	-	-	-	2	-	-	-	-	-

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2007

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Pennsylvania & Southern Rwy, LLC [PSCC]	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania Southwestern RR, Inc. [PSWR]	-	-	-	-	-	-	-	-	-	-	-	-
Pickens Rwy Co. [PICK]	-	-	-	-	-	-	-	-	-	-	-	-
Pioneer Industrial Rwy Co. [PRY]	-	-	-	-	-	-	-	-	-	-	-	-
Pioneer Valley RR Co., Inc. [PVRV]	1	-	1	-	-	-	-	-	-	1	-	1
Pittsburgh & Ohio Central RR Co., The [POHC]	1	-	-	1	-	-	-	-	-	-	-	-
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]	-	-	-	-	-	-	-	-	-	-	-	-
Port Of Palm Beach Term. [PPBD]	-	-	-	-	-	-	-	-	-	-	-	-
Port Of Tillamook Bay RR [POTB]	5	-	1	2	-	-	2	-	-	1	-	1
Port Term. RR Of South Carolina [PTR]	-	-	-	-	-	-	-	-	-	-	-	-
Port Utilities Commission Of Charleston, S.C. [PUC]	1	-	1	-	-	-	-	-	-	1	-	1
Portland & Western RR, Inc. [PNWR]	11	1	1	1	-	-	9	-	1	1	1	-
Portland Term. [PTO]	3	-	1	1	-	-	1	-	-	1	-	1
Potomac Eagle Scenic Rail Excursion [PEX]	-	-	-	-	-	-	-	-	-	-	-	-
Prescott & Northwestern RR Co. [PNW]	-	-	-	-	-	-	-	-	-	-	-	-
Progressive Rail Inc [PGR]	4	-	1	2	-	-	1	-	-	1	-	1
Providence & Worcester RR Co. [PW]	6	-	5	1	-	-	-	-	-	5	-	5
Puget Sound & Pacific RR Co. [PSAP]	4	-	-	3	-	-	1	-	-	-	-	-
Quincy RR Co. [QRR]	-	-	-	-	-	-	-	-	-	-	-	-
R J Corman RR Co./Tennessee Term. LLC [RJCK]	2	-	-	1	-	-	1	-	-	-	-	-
R. J. Corman RR Co./Pennsylvania Lines, Inc. [RJCP]	-	-	-	-	-	-	-	-	-	-	-	-
R. J. Corman RR Co./WV Line [RJCV]	-	-	-	-	-	-	-	-	-	-	-	-
R. J. Corman RR Co./Central Kentucky Lines [RJCC]	6	1	3	-	-	-	5	-	3	1	1	-
R. J. Corman RR Corp./Bardstown Line [RJCR]	2	-	-	-	-	-	2	-	-	-	-	-
R. J. Corman, Western Ohio Line [RJCW]	-	-	-	-	-	-	-	-	-	-	-	-
RTD Denver Union Station [DUT]	-	-	-	-	-	-	-	-	-	-	-	-
Rail Link Inc. [RLIX]	-	-	-	-	-	-	-	-	-	-	-	-
Rail Serve [RASX]	4	-	2	2	-	-	2	-	2	-	-	-
Railtown 1897 RR [RTRX]	-	-	-	-	-	-	-	-	-	-	-	-
Raritan Central Rwy LLC [RCRY]	-	-	-	-	-	-	-	-	-	-	-	-
Rarus Rwy Co. [RARW]	-	-	-	-	-	-	-	-	-	-	-	-
Rat River Transportation Co. [RRTX]	-	-	-	-	-	-	-	-	-	-	-	-
Reading Blue Mountain & Northern RR Commision [RBM]	9	-	7	2	-	-	-	-	-	7	-	7
Red River Valley & Western RR [RRVW]	7	-	5	2	-	-	-	-	-	5	-	5
Redmont Rwy Co. [RRC]	-	-	-	-	-	-	-	-	-	-	-	-
Regional Transportation Authority-Nashville, TN [N]	1	-	1	-	-	-	1	-	1	-	-	-
Rescar Industries - Beaumont [RCIB]	-	-	-	-	-	-	-	-	-	-	-	-
Rescar Location 715 Switching [RCXM]	1	-	-	1	-	-	-	-	-	-	-	-
Riceboro Southern Rwy LLC [RSOR]	-	-	-	-	-	-	-	-	-	-	-	-
Richmond Pacific RR Corp. [RPRC]	-	-	-	-	-	-	-	-	-	-	-	-
Rio Valley Switching Co. [RVSC]	14	-	9	1	-	-	4	-	-	9	-	9
River Port RR [RVPR]	-	-	-	-	-	-	-	-	-	-	-	-
Rochester Southern RR, Inc. [RSR]	4	1	2	-	-	-	1	-	-	3	1	2
Rock & Rail Inc [RRRR]	-	-	-	-	-	-	-	-	-	-	-	-
Rockdale, Sandow & Southern RR Co. [RSS]	-	-	-	-	-	-	-	-	-	-	-	-
SCTRR, LLC [SCTR]	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2007

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
SMS Rail Lines of New York City LLC [SNY]	-	-	-	-	-	-	-	-	-	-	-	-
SMS Rail Service, Inc. [SLRS]	-	-	-	-	-	-	-	-	-	-	-	-
Sabine River & Northern RR Co. [SRN]	1	-	1	-	-	-	-	-	-	1	-	1
Sacramento County Regional Transit District [SCRT]	1	-	1	-	-	-	1	-	1	-	-	-
Salt Lake City Southern RR Co., Inc. [SL]	-	-	-	-	-	-	-	-	-	-	-	-
Salt Lake, Garfield & Western Rwy Co. [SLGW]	-	-	-	-	-	-	-	-	-	-	-	-
San Diego & Imperial Valley [SDIY]	-	-	-	-	-	-	-	-	-	-	-	-
San Diego Northern Rwy [SDNX]	8	1	5	1	-	-	2	-	1	5	1	4
San Joaquin Valley RR Co. [SJVR]	10	1	3	5	-	-	2	-	1	3	1	2
San Luis & Rio Grande RR [SLRG]	7	-	3	3	-	-	2	-	1	2	-	2
San Luis Central RR Co. [SLC]	2	-	2	-	-	-	-	-	-	2	-	2
San Manuel Arizona RR Co. [SMA]	-	-	-	-	-	-	-	-	-	-	-	-
San Pedro & Southwestern RR Co. [SPSR]	-	-	-	-	-	-	-	-	-	-	-	-
Sand Springs Rwy Co. [SS]	2	-	-	1	-	-	1	-	-	-	-	-
Sandersville RR Co. [SAN]	6	-	5	-	-	-	1	-	-	5	-	5
Santa Cruz, Big Tree & Pacific RR [SCBG]	-	-	-	-	-	-	-	-	-	-	-	-
Santa Fe Southern Rwy, Inc. [SFS]	3	-	4	-	-	-	1	-	2	2	-	2
Santa Maria Valley RR Co. [SMV]	2	-	2	-	-	-	-	-	-	2	-	2
Saracuse Binghampton And New York RR [SBNX]	-	-	-	-	-	-	-	-	-	-	-	-
Savage Bingham & Garfield RR Co. [SBG]	-	-	-	-	-	-	-	-	-	-	-	-
Savannah Port Term. RR, Inc. [SAPT]	6	-	1	-	-	-	5	-	-	1	-	1
Seapac RR [SPRV]	1	-	1	-	-	-	-	-	-	1	-	1
Seminole Gulf RR [SGLR]	1	-	-	-	-	-	1	-	-	-	-	-
Semo Port RR, Inc. [SE]	-	-	-	-	-	-	-	-	-	-	-	-
Sequatchie Valley RR [SQVR]	-	-	-	-	-	-	-	-	-	-	-	-
Shamokin Valley RR Co. [SVRR]	-	-	-	-	-	-	-	-	-	-	-	-
Shawnee Term. Rwy Co. [STR]	-	-	-	-	-	-	-	-	-	-	-	-
Shelbyville Industrial RR [SVIZ]	-	-	-	-	-	-	-	-	-	-	-	-
Sidney & Lowe RR Inc. [SLGG]	1	-	-	1	-	-	-	-	-	-	-	-
Sierra Northern Rwy [SERA]	20	-	19	-	-	-	1	-	-	19	-	19
Sisseton Milbank RR [SMRR]	-	-	-	-	-	-	-	-	-	-	-	-
Ski Train RR [SKTX]	-	-	-	-	-	-	-	-	-	-	-	-
Snoqualmie Valley RR [SNVX]	-	-	-	-	-	-	-	-	-	-	-	-
Somerset RR Co. [SOM]	-	-	-	-	-	-	-	-	-	-	-	-
Souder Commuter Rail [SCR]	1	-	-	1	-	-	-	-	-	-	-	-
South Branch Valley RR [SBVR]	1	-	1	-	-	-	-	-	-	1	-	1
South Buffalo Rwy Co. [SB]	4	-	2	2	-	-	-	-	-	2	-	2
South Carolina Central RR Co., Inc. [SCRF]	15	2	1	3	-	-	10	1	-	2	1	1
South Carolina RR Museum, The [SCMZ]	-	-	-	-	-	-	-	-	-	-	-	-
South Central Florida Express, Inc. [SCXF]	8	-	5	1	-	-	2	-	-	5	-	5
South Chicago & Indiana Harbor Rwy Co. [SCIH]	2	-	2	-	-	-	-	-	-	2	-	2
South Florida Regional Transit Authority [SFRV]	28	2	20	-	-	-	6	-	-	22	2	20
South Kansas & Oklahoma RR Co. [SKOL]	17	-	3	12	-	-	4	-	2	1	-	1
South Plains Lamesa RR, Ltd. [SLAL]	-	-	-	-	-	-	-	-	-	-	-	-
Southern Electric RR [SERX]	-	-	-	-	-	-	-	-	-	-	-	-
Southern Indiana Rwy, Inc. [SIND]	-	-	-	-	-	-	-	-	-	-	-	-
Southern Michigan RR Society [SMRS]	-	-	-	-	-	-	-	-	-	-	-	-
Southern New Jersey Light Rail System [SNJX]	-	-	-	-	-	-	-	-	-	-	-	-
Southern RR Co. Of New Jersey [SRNJ]	-	-	-	-	-	-	-	-	-	-	-	-
Southern Switching Co. [SSC]	-	-	-	-	-	-	-	-	-	-	-	-
Southwest Pennsylvania RR Co. [SWP]	1	-	-	1	-	-	-	-	-	-	-	-
Southwestern RR Co., Inc. [SW]	4	-	3	2	-	-	2	-	3	-	-	-

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2007

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Spirit of Washington [SOWX]	-	-	-	-	-	-	-	-	-	-	-	-
St Marys Rwy West LLC [SMW]	1	1	-	-	-	-	-	-	-	1	1	-
St. Croix Valley RR Co. [SCXY]	1	-	-	-	-	-	1	-	-	-	-	-
St. Lawrence & Atlantic RR Co. [SLR]	2	1	1	-	-	-	1	1	-	1	-	1
St. Louis, Iron Mountain, & Southern [SLOI]	-	-	-	-	-	-	-	-	-	-	-	-
St. Maries River RR Co. [STMA]	1	-	1	-	-	-	-	-	-	1	-	1
St. Marys RR Co. [SM]	-	-	-	-	-	-	-	-	-	-	-	-
Steamtown National Historic Site [SNCX]	1	-	-	1	-	-	-	-	-	-	-	-
Steelton & Highspire RR [SH]	1	-	1	-	-	-	-	-	-	1	-	1
Stillwater Central RR Co., Inc. [SLWC]	14	-	6	6	-	-	3	-	1	5	-	5
Stockton Term. & Eastern RR [STE]	2	-	2	-	-	-	-	-	-	2	-	2
Stourbridge RR Co. [SBRR]	-	-	-	-	-	-	-	-	-	-	-	-
Strasburg RR Co. [SRC]	17	-	17	-	-	-	-	-	-	17	-	17
Sumpter Valley RR [SUVX]	-	-	-	-	-	-	-	-	-	-	-	-
Sunflour RR, Inc. [SNR]	-	-	-	-	-	-	-	-	-	-	-	-
Tacoma Municipal Belt Line Rwy [TMBL]	11	-	8	1	-	-	2	-	-	8	-	8
Tacoma Rail Mountain Division [TRMW]	4	-	2	-	-	-	2	-	-	2	-	2
Talley Rand Term. RR [TTR]	1	-	-	-	-	-	1	-	-	-	-	-
Tazewell & Peoria RR, Inc. [TZPR]	3	-	3	-	-	-	-	-	-	3	-	3
Tennessee Southern RR Co., Inc. [TSRR]	3	-	1	1	-	-	1	-	-	1	-	1
Tennessee Valley RR [TVRM]	1	-	1	-	-	-	-	-	-	1	-	1
Tennken RR Co. Inc. [TKEN]	3	-	2	-	-	-	1	-	-	2	-	2
Terminal Rwy Alabama State Docks [TASD]	30	-	13	17	-	-	-	-	-	13	-	13
Texas & New Mexico RR Co. [TNMR]	-	-	-	-	-	-	-	-	-	-	-	-
Texas & Northern Rwy Co. [TN]	3	-	3	-	-	-	-	-	-	3	-	3
Texas & Oklahoma RR Co. [TXOR]	-	-	-	-	-	-	-	-	-	-	-	-
Texas City Term. Rwy Co. [TCT]	1	-	1	-	-	-	-	-	-	1	-	1
Texas Northwestern Rwy Co. [TXNW]	2	-	1	1	-	-	-	-	-	1	-	1
Texas Pacifico Transportation Limited [TXPF]	1	-	1	-	-	-	-	-	-	1	-	1
Texas Rock Crusher Rwy Co. [TXR]	-	-	-	-	-	-	-	-	-	-	-	-
Texas South-Eastern RR Co. [TSE]	1	-	1	-	-	-	-	-	-	1	-	1
Texas State RR [TSR]	8	-	7	1	-	-	-	-	-	7	-	7
Texas, Gonzales & Northern Rwy Co. [TXGN]	-	-	-	-	-	-	-	-	-	-	-	-
The Youngstown Belt RR Co. [YB]	-	-	-	-	-	-	-	-	-	-	-	-
Thermal Belt Rwy [TBRY]	-	-	-	-	-	-	-	-	-	-	-	-
Three Notch RR [TNHR]	-	-	-	-	-	-	-	-	-	-	-	-
Timberrock RR Co., Inc. [TIBR]	12	-	3	6	-	-	3	-	-	3	-	3
Tioga Central RR [TIOC]	-	-	-	-	-	-	-	-	-	-	-	-
Tishomingo RR Co., Inc. [TISH]	-	-	-	-	-	-	-	-	-	-	-	-
Toledo Lake Erie & Western RR [TLEW]	1	-	-	-	-	-	1	-	-	-	-	-
Toledo, Peoria & Western Rwy Corp. [TPW]	5	-	3	1	-	-	3	-	2	1	-	1
Tomahawk Rwy, L.P. [TR]	-	-	-	-	-	-	-	-	-	-	-	-
Towanda Monroeton Shippers Lifeline, Inc. [TMSS]	-	-	-	-	-	-	-	-	-	-	-	-
Transco Railcar Repair, Inc. [TRRJ]	-	-	-	-	-	-	-	-	-	-	-	-
Transkentucky Transportation RR, Inc. [TTIS]	-	-	-	-	-	-	-	-	-	-	-	-
Tri-City RR Co. [TCRY]	1	-	1	-	-	-	-	-	-	1	-	1
Trinity Rwy Express [TREX]	6	1	4	1	-	-	2	-	2	3	1	2
Trona Rwy Co. [TRC]	3	-	2	1	-	-	-	-	-	2	-	2
Tulsa-Sapulpa Union Rwy Co. LLC [TSU]	1	-	-	1	-	-	-	-	-	-	-	-
Turtle Creek Industrial RR, Inc. [TCKR]	-	-	-	-	-	-	-	-	-	-	-	-
Twin City & Western RR [TCWR]	3	-	2	-	-	-	2	-	1	1	-	1
U. S. Rail Corp. [USRV]	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2007

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Union County Industrial RR Co. [UCIR]	1	-	1	-	-	-	-	-	-	1	-	1
Upper Hudson River RR [UHRX]	-	-	-	-	-	-	-	-	-	-	-	-
Upper Merion & Plymouth RR Co. [UMP]	-	-	-	-	-	-	-	-	-	-	-	-
Utah Central Rwy Co. [UCRY]	-	-	-	-	-	-	-	-	-	-	-	-
Utah Rwy Co. [UTAH]	8	-	3	3	-	-	3	-	-	2	-	3
Utah Transit Authority [UTAX]	3	-	-	1	-	-	2	-	-	-	-	-
V and S Rwy, Inc. [VSR]	1	-	1	-	-	-	-	-	-	1	-	1
V&S Rwy Inc D d/b/a/Towner Railway [VST]	-	-	-	-	-	-	-	-	-	-	-	-
Valdosta Rwy, L.P. [VR]	-	-	-	-	-	-	-	-	-	-	-	-
Valley RR Co. [VALE]	-	-	-	-	-	-	-	-	-	-	-	-
Vandalia RR Co. [VRRC]	-	-	-	-	-	-	-	-	-	-	-	-
Ventura County RR Co. [VCRR]	-	-	-	-	-	-	-	-	-	-	-	-
Vermillion Valley RR Co., Inc. [VVRR]	-	-	-	-	-	-	-	-	-	-	-	-
Vermont Rwy, Inc. [VTR]	14	-	13	1	-	-	-	-	-	13	-	13
Vicksburg Southern RR, Inc. [VSOR]	2	-	1	1	-	-	-	-	-	1	-	1
Virginia & Truckee RR Co., Inc. [VTRR]	-	-	-	-	-	-	-	-	-	-	-	-
Virginia Rwy Express [VREX]	7	-	6	1	-	-	-	-	-	6	-	6
Virginia Southern RR [VSRR]	-	-	-	-	-	-	-	-	-	-	-	-
Vreeland Rail LLC [VREE]	-	-	-	-	-	-	-	-	-	-	-	-
Wabash Central RR Corp. [WBCR]	-	-	-	-	-	-	-	-	-	-	-	-
Waccamaw Coast Line RR Co. [WCLR]	1	-	-	1	-	-	-	-	-	-	-	-
Walkersville Southern RR, Inc. [WS]	-	-	-	-	-	-	-	-	-	-	-	-
Walking Horse & Eastern RR Co. [WHOE]	-	-	-	-	-	-	-	-	-	-	-	-
Wallowa Union RR Authority [WURR]	-	-	-	-	-	-	-	-	-	-	-	-
Warren & Saline River RR Co. [WSR]	1	-	1	-	-	-	-	-	-	1	-	1
Warren & Trumbull RR Co., The [WTRM]	-	-	-	-	-	-	-	-	-	-	-	-
Washington County RR Corp. [WACR]	-	-	-	-	-	-	-	-	-	-	-	-
Washington and Idaho Rwy [WIRV]	-	-	-	-	-	-	-	-	-	-	-	-
Watco [WATX]	5	-	2	2	-	-	1	-	-	2	-	2
Wellsboro & Corning RR Co. [WCOR]	-	-	-	-	-	-	-	-	-	-	-	-
West Chester RR Co. [WCRL]	-	-	-	-	-	-	-	-	-	-	-	-
West Isle Line Inc. [WFS]	-	-	-	-	-	-	-	-	-	-	-	-
West Jersey Short Line [WJSL]	-	-	-	-	-	-	-	-	-	-	-	-
West Michigan RR Co. [WMI]	1	-	-	-	-	-	1	-	-	-	-	-
West Tennessee RR Corp. [WTNN]	5	-	4	1	-	-	1	-	1	3	-	3
West Texas and Lubbock Rwy Co. [WTLC]	8	-	2	7	-	-	-	-	-	1	-	2
West Virginia Central RR [WVC]	-	-	-	-	-	-	-	-	-	-	-	-
Western Kentucky Rwy, LLC [WKRL]	-	-	-	-	-	-	-	-	-	-	-	-
Western Maryland Scenic RR [WMSR]	2	-	9	-	-	-	-	-	-	2	-	9
Western New York & Pennsylvania RR LLC [WNYP]	4	-	2	-	-	-	2	-	-	2	-	2
Western RR Co. [WRRC]	-	-	-	-	-	-	-	-	-	-	-	-
Western Rail Switching, Inc. [WRS]	-	-	-	-	-	-	-	-	-	-	-	-
Western Rwy Museum [WRM]	-	-	-	-	-	-	-	-	-	-	-	-
Weyerhaeuser Woods RRs [WCTX]	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	2	-	-	-	-	-	-	-	-
Willamette & Pacific RR, Inc. [WPRR]	3	-	2	1	-	-	-	-	-	2	-	2
Willamette Valley Rwy Co. [WVR]	1	-	1	-	-	-	-	-	-	1	-	1
Wilmington & Western RR Co. [WWRC]	-	-	-	-	-	-	-	-	-	-	-	-
Wilmington Term. RR Inc. [WTRY]	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2007

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Winamac Southern Rwy Co. [WSRY]	-	-	-	-	-	-	-	-	-	-	-	-
Winchester & Western RR Co. [WW]	1	-	-	1	-	-	-	-	-	-	-	-
Winston-Salem Southbound Rwy [WSS]	2	-	2	-	-	-	-	-	-	2	-	2
Wiregrass Central RR Co. [WGCR]	1	-	1	-	-	-	-	-	-	1	-	1
Wisconsin Great Northern RR, Inc. [WGNS]	-	-	-	-	-	-	-	-	-	-	-	-
XSTM	1	-	1	-	-	-	1	-	1	-	-	-
Yadkin Valley RR Co. [YVRR]	-	-	-	-	-	-	-	-	-	-	-	-
Yellowstone Valley RR Inc. [YSVR]	-	-	-	-	-	-	-	-	-	-	-	-
York Rwy Co. [YRC]	3	-	3	-	-	-	1	-	1	2	-	2
Youngstown & Austintown RR [YARR]	-	-	-	-	-	-	-	-	-	-	-	-
Yountstown & Southeastern RR Co., Inc. [YSRR]	-	-	-	-	-	-	-	-	-	-	-	-
Yreka Western RR Co. [YW]	-	-	-	-	-	-	-	-	-	-	-	-

