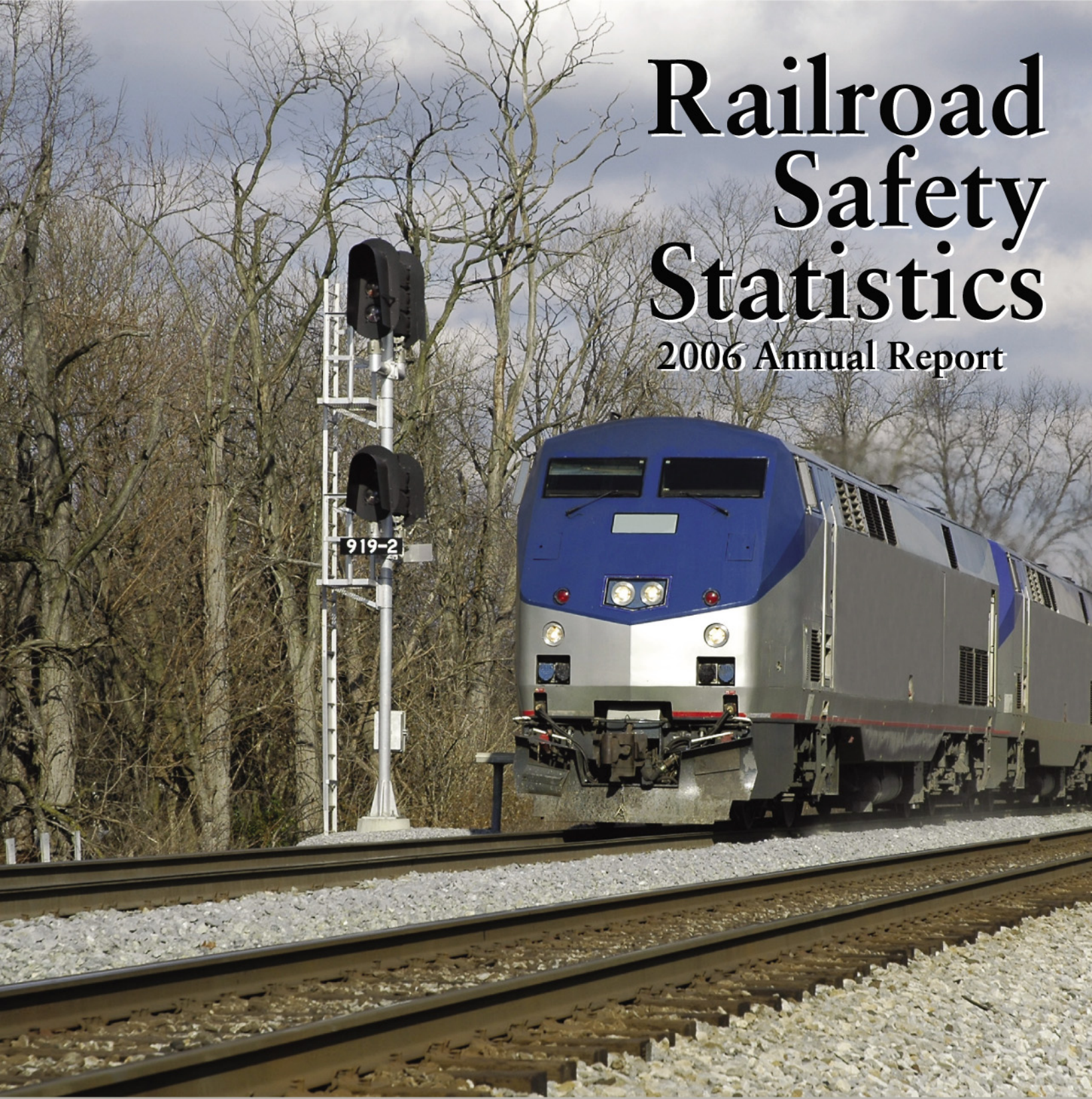


Railroad Safety Statistics

2006 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 2006* 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 2006. 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 2, 2008, and represent data received through February 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 did expand the types of information being collected and the forms used for reporting. The changes made in 1997 were implemented for the purpose of collecting additional information necessary for safety analysis and to support the Federal Railroad Administration's (FRA) overall goal of hazard elimination and risk reduction on the Nation's railroads.

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

Accident/Incident. This is the term used to describe the entire list of reportable events. These include 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 2006 was \$7,700.)

Highway-rail grade crossing incidents. Any impact between a rail and highway user (both motor vehicles and other users of the crossing) at a designated crossing site, including walkways, sidewalks, etc., associated with the crossing. Reported on Form FRA F 6180.57, HIGHWAYRAIL GRADE CROSSING ACCIDENT/INCIDENT REPORT.

Other incidents. Any death, injury, or occupational illness of a railroad employee that is not the result of a "train accident" or "highway-rail incident." Reported on Form FRA F 6180.55a, RAILROAD INJURY AND ILLNESS SUMMARY.

A single form is usually sufficient to report most events; however, there are situations when multiple report forms are necessary. An example is a highway-rail grade crossing incident resulting in reportable injuries. An accident of this type would require the completion of both Form FRA F 6180.57 and a 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 is reported as a “trespasser” on Form FRA F 6180.55a, but the event is classified as a highway-rail incident.

If there is an overlap in the information found in different chapters, when possible, a separate column or row total is provided, or counts are excluded when they are more appropriate to another chapter. In the example of the trespasser injured in a highway-rail incident, this injury appears in the highway-rail chapter, but is excluded from the chapter on trespassing. The train accident counts in Chapter 5 include those highway-rail incidents causing reportable damage above the amount needed for reporting on Form FRA F 6180.54. The user of this bulletin can exclude these, if desired, since these numbers are identified in most tables in this chapter.

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

The data is presented in the following general format. First, there is a graphic historical review of the major indicators of railroad safety since 1995. Following this are overall totals for the 5-year period beginning with 2002, 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	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
---GRAND TOTAL---												
Accidents/incidents	19,591	17,690	16,698	16,501	16,776	16,919	16,086	14,403	14,359	14,499	14,228	13,429
Rate 1/	29.25	26.37	24.68	24.16	23.55	23.41	22.61	19.77	19.32	18.83	18.04	16.60
Deaths	1,146	1,039	1,063	1,008	932	937	971	951	868	895	888	910
Nonfatal conditions	14,440	12,558	11,767	11,459	11,700	11,643	10,985	11,103	9,251	9,178	9,463	8,432
---TRAIN ACCIDENTS----												
Rate 2/	3.67	3.64	3.54	3.77	3.89	4.13	4.25	3.76	4.06	4.39	4.13	3.65
Total number	2,459	2,443	2,397	2,575	2,768	2,983	3,023	2,738	3,016	3,380	3,259	2,951
Deaths	14	25	17	4	9	10	6	15	4	13	33	6
Injuries	294	281	183	129	130	275	310	1,884	231	345	775	206
Collisions	235	205	202	168	205	238	220	192	198	237	271	198
Derailments	1,742	1,816	1,741	1,757	1,961	2,112	2,234	1,989	2,130	2,431	2,301	2,171
On main line	912	941	867	934	858	976	1,025	886	973	1,033	1,018	973
On yard track	1,279	1,249	1,223	1,306	1,531	1,619	1,569	1,478	1,674	1,931	1,811	1,552
Yard track rate 3/	14.23	14.22	14.41	15.60	17.51	18.21	18.30	18.25	20.51	23.01	20.56	17.43
Other track rate 4/	2.03	2.05	1.98	2.12	1.98	2.15	2.32	1.95	2.03	2.11	2.07	1.94
Track caused	856	905	879	900	995	1,035	1,121	941	972	1,052	1,081	1,062
Track caused rate	1.28	1.35	1.30	1.32	1.40	1.43	1.58	1.29	1.31	1.37	1.37	1.31
Human factor caused	944	783	855	971	1,031	1,147	1,035	1,050	1,230	1,352	1,265	1,045
Equipment caused	279	318	271	307	321	372	427	367	361	428	369	344
Signal caused	27	49	39	38	49	70	42	50	58	70	63	50
Equip Dmg (millions \$)	134.766	160.908	152.092	162.561	164.654	169.172	200.752	173.982	198.679	225.432	225.674	209.787
Track Dmg (millions \$)	54.458	51.407	58.637	71.337	80.435	94.040	113.713	92.550	99.519	100.363	113.792	109.079
Hazmat												
Consists releasing	26	34	31	42	41	35	32	31	27	29	37	28
Cars releasing	48	69	38	66	75	75	57	56	38	47	50	69
People evacuated	2,817	8,547	8,812	2,058	996	5,258	52,620	5,438	2,260	5,938	7,636	3,682
---HIGHWAY-RAIL-----												
Rate 5/	6.92	6.34	5.71	5.14	4.90	4.84	4.55	4.22	4.00	4.00	3.87	3.63
Incidents	4,633	4,257	3,865	3,508	3,489	3,502	3,237	3,077	2,977	3,078	3,056	2,934
Deaths	579	488	461	431	402	425	421	357	334	372	358	369
Injuries	1,894	1,610	1,540	1,303	1,396	1,219	1,157	999	1,034	1,094	1,044	1,052
---OTHER INCIDENTS-----												
Incidents 6/	12,499	10,990	10,436	10,418	10,519	10,434	9,826	8,588	8,366	8,041	7,913	7,544
Deaths	553	526	585	573	521	502	544	579	530	510	497	535
Injuries	12,252	10,667	10,044	10,027	10,174	10,149	9,518	8,220	7,986	7,739	7,644	7,174

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	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
...EMPLOYEE COUNTS.....												
All accidents/incidents												
Rate 1/	4.24	3.66	3.31	3.27	3.39	3.44	3.30	2.94	2.78	2.64	2.44	2.15
Deaths	34	33	37	27	31	24	22	20	19	25	25	16
Nonfatal conditions	10,777	9,199	8,295	8,398	8,622	8,423	7,815	6,644	6,248	6,018	5,804	5,212
Cases with days absent	7,055	5,981	5,371	5,359	5,779	5,788	5,409	4,642	4,395	4,072	3,964	3,465
Percent of total	65.26	64.79	64.46	63.61	66.79	68.52	69.02	69.66	70.13	67.38	68.00	66.28
Sprains/strains	5,203	4,427	3,960	3,945	4,280	4,357	4,025	3,353	3,027	2,847	2,597	2,391
Occupational illnesses	254	157	128	171	141	129	167	120	182	253	284	267
...PASSENGERS ON TRAINS												
Rate 2/	4.18	3.86	4.29	3.69	3.33	4.10	4.78	5.83	4.68	4.55	6.04	4.68
Deaths	0	12	6	4	14	4	3	7	3	3	16	2
Injuries	573	513	601	535	481	658	746	877	726	697	935	757
In Train Accs/Highway-Rail												
Deaths	0	9	1	2	11	0	1	7	1	1	12	0
Rate	0.00	0.07	0.01	0.01	0.07	0.00	0.01	0.05	0.01	0.01	0.08	0.00
Injuries	119	139	94	30	54	95	149	304	152	115	333	143
...TRESPASSER COUNTS...												
Rate 3/	1.43	1.41	1.55	1.54	1.30	1.21	1.29	1.28	1.21	1.14	1.12	1.23
Deaths	494	471	533	536	479	463	511	540	501	475	463	518
Injuries	461	474	516	513	445	414	404	395	398	404	417	474
---OPERATIONS(millions)												
Total train miles 4/	669.823	670.924	676.716	682.895	712.453	722.877	711.550	728.674	743.331	770.152	788.808	809.045
Yard switching miles 5/	89.892	87.823	84.874	83.692	87.459	88.919	85.747	81.002	81.630	83.935	88.084	89.032
Employee hours 6/	510.457	504.599	503.918	514.870	509.997	490.926	475.120	454.102	451.138	458.383	478.440	485.683
Passengers carried 7/	385.827	397.394	408.619	439.958	464.885	501.750	517.249	503.930	494.264	513.293	522.507	548.557

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				
	2002	2003	2004	2005	2006	2002	2003	2004	2005	2006
A - Worker on duty(rr empl)	3	2	7	7	-	157	139	158	125	98
B - Employee not on duty	-	-	-	-	-	-	2	5	9	-
C - Passenger on train	7	-	1	12	-	278	78	88	300	56
D - Nontrespasser	-	-	-	1	-	2	4	-	1	1
E - Trespasser	4	2	1	4	4	3	1	-	1	4
F - Worker on duty(contractors)	-	-	1	-	2	-	4	7	5	2
G - Contractor(other)	-	-	-	-	-	2	1	1	-	-
J - Nontrespasser, off rr prop	1	-	3	9	-	1,442	2	86	334	45
--Total...	15	4	13	33	6	1,884	231	345	775	206

Highway-Rail Crossing (HRC) Incidents

Type Person	Fatalities					Nonfatal Conditions				
	2002	2003	2004	2005	2006	2002	2003	2004	2005	2006
A - Worker on duty(rr empl)	1	1	2	2	4	110	75	116	110	93
B - Employee not on duty	-	-	-	-	-	-	-	4	3	2
C - Passenger on train	-	1	-	-	-	26	74	27	33	87
D - Nontrespasser	249	198	222	221	230	636	661	673	624	626
E - Trespasser	106	133	146	134	133	214	218	252	268	228
F - Worker on duty(contractors)	-	1	-	-	-	-	2	-	-	-
G - Contractor(other)	1	-	-	-	-	1	-	1	2	-
J - Nontrespasser, off rr prop	-	-	2	1	2	12	4	21	4	16
--Total...	357	334	372	358	369	999	1,034	1,094	1,044	1,052

Other Incidents, Excluding HRC

Type Person	Fatalities					Nonfatal Conditions				
	2002	2003	2004	2005	2006	2002	2003	2004	2005	2006
A - Worker on duty(rr empl)	16	16	16	16	12	6,377	6,034	5,744	5,569	5,021
B - Employee not on duty	1	1	-	-	-	213	224	191	160	167
C - Passenger on train	-	2	2	4	2	573	574	582	602	614
D - Nontrespasser	17	7	14	12	2	251	379	447	456	471
E - Trespasser	536	499	474	459	514	392	397	404	416	470
F - Worker on duty(contractors)	3	2	1	2	2	181	179	152	176	194
G - Contractor(other)	6	2	2	3	3	191	186	199	233	208
H - Worker on duty(volunteer)	-	-	-	-	-	5	5	3	1	3
I - Volunteer(other)	-	-	-	-	-	-	2	2	-	4
J - Nontrespasser, off rr prop	-	1	1	1	-	37	6	15	31	22
--Total...	579	530	510	497	535	8,220	7,986	7,739	7,644	7,174

GRAND TOTAL

Type Person	Fatalities					Nonfatal Conditions				
	2002	2003	2004	2005	2006	2002	2003	2004	2005	2006
A - Worker on duty(rr empl)	20	19	25	25	16	6,644	6,248	6,018	5,804	5,212
B - Employee not on duty	1	1	-	-	-	213	226	200	172	169
C - Passenger on train	7	3	3	16	2	877	726	697	935	757
D - Nontrespasser	266	205	236	234	232	889	1,044	1,120	1,081	1,098
E - Trespasser	646	634	621	597	651	609	616	656	685	702
F - Worker on duty(contractors)	3	3	2	2	4	181	185	159	181	196
G - Contractor(other)	7	2	2	3	3	194	187	201	235	208
H - Worker on duty(volunteer)	-	-	-	-	-	5	5	3	1	3
I - Volunteer(other)	-	-	-	-	-	-	2	2	-	4
J - Nontrespasser, off rr prop	1	1	6	11	2	1,491	12	122	369	83
--Total...	951	868	895	888	910	11,103	9,251	9,178	9,463	8,432

TABLE 1-4
TOTAL CASUALTIES BY RAILROAD

Railroads	Fatalities					Nonfatal				
	2002	2003	2004	2005	2006	2002	2003	2004	2005	2006
Alton & Southern	-	-	-	-	1	13	11	7	11	7
Alaska RR Corp.	-	-	-	1	-	30	29	28	29	23
Amtrak	126	118	128	122	118	1,484	1,346	1,371	1,232	1,092
Bangor & Aroostook	-	-	-	-	-	15	-	-	-	-
Burlington Northern Santa Fe	149	136	140	151	144	1,242	1,124	1,120	1,283	1,149
Buffalo & Pittsburg	-	-	-	-	1	6	8	10	4	5
Belt Rwy Of Chicago	-	-	-	-	-	10	15	16	11	15
Canadian National	34	20	16	23	27	351	372	327	281	231
Canadian Pacific	10	9	3	10	5	1,653	147	114	83	83
Conrail Shared Assets	2	1	1	1	1	51	51	35	28	36
CSX Transportation	120	134	139	114	136	859	991	996	787	720
Dakota, Minnesota & Eastern	1	5	2	4	1	42	58	85	73	52
Elgin, Joliet & Eastern	-	-	-	1	-	12	23	13	13	27
Florida East Coast	24	18	17	26	18	34	37	32	21	19
Grand Canyon Railway	-	-	-	-	-	32	21	27	30	33
Guilford Rail System	-	3	1	2	2	7	23	10	15	12
Indiana Harbor Belt	-	-	-	1	1	22	33	29	17	18
Kansas City Southern	22	17	25	13	13	159	141	180	140	118
Long Island Rail Road	9	7	4	9	3	323	324	333	312	372
MD Assn. of Rail Comm	-	-	2	1	2	18	7	8	8	8
Mass Bay Transit Auth.	15	5	4	5	9	127	120	90	94	136
Montreal, Maine & Atlantic	-	-	-	-	1	-	11	12	12	11
Metro North Commuter	6	1	4	3	2	375	436	378	293	255
Montana Rail Link	1	1	-	3	-	26	35	49	39	48
Northern IN Comm Trans	-	-	-	-	-	21	26	31	17	20
Northeast IL Reg Comm	23	16	13	16	8	360	262	264	409	240
New Jersey Transit Rail	16	8	17	9	10	208	235	191	201	219
Norfolk Southern Corp.	126	108	128	139	118	614	662	617	970	615
Paducah & Louisville	1	-	1	1	2	8	8	10	4	18
Port Auth Trans Hudson	1	-	-	-	-	206	170	173	159	146
Peninsula Comm San Mateo Cnty	5	10	9	9	17	31	29	34	20	24
Port Terminal RR Assn	-	-	-	-	-	20	17	14	28	10
Southern CA Reg Rail Auth.	9	13	5	17	9	53	59	24	103	21
Southeastern PA Trans.	4	-	7	5	2	202	232	246	343	351
Term RR Assn Of St. Louis	-	-	-	-	-	5	6	5	2	3
Union Pacific	221	207	203	167	226	1,566	1,380	1,466	1,503	1,434
Union RR (Pittsburgh)	-	-	-	-	-	16	30	18	17	9
Wheeling & Lake Erie	1	-	-	-	1	9	18	12	20	11
Wisconsin & Southern RR	-	-	-	-	1	37	32	21	22	25
Other Railroads	25	31	26	35	31	856	722	782	829	816
Total	951	868	895	888	910	11,103	9,251	9,178	9,463	8,432

TABLE 1-5
TOTAL CASUALTIES BY STATE

States	Fatalities					Nonfatal					5 year Total	
	2002	2003	2004	2005	2006	2002	2003	2004	2005	2006	Kld	Nonf
Alabama	18	16	20	24	21	123	133	127	153	157	99	693
Alaska	-	-	-	1	-	47	43	43	56	40	1	229
Arizona	16	17	18	23	27	135	112	144	115	117	101	623
Arkansas	28	11	11	15	15	152	142	136	200	141	80	771
California	130	118	121	125	130	723	704	510	694	523	624	3,154
Colorado	12	6	4	9	17	123	127	139	166	152	48	707
Connecticut	7	2	7	6	2	127	128	114	105	100	24	574
Delaware	7	3	1	2	2	44	64	63	61	56	15	288
Dist Of Columbia	1	1	3	2	-	75	137	203	107	139	7	661
Florida	54	47	40	51	38	377	260	244	226	186	230	1,293
Georgia	20	31	35	27	16	169	227	182	164	174	129	916
Hawaii	-	-	-	-	-	-	1	-	1	2	-	4
Idaho	2	6	5	2	5	50	71	53	54	53	20	281
Illinois	58	58	59	54	53	949	846	849	953	766	282	4,363
Indiana	26	29	39	36	23	201	201	211	193	205	153	1,011
Iowa	22	11	8	10	8	126	120	151	165	118	59	680
Kansas	15	9	13	10	24	129	143	139	170	147	71	728
Kentucky	11	13	15	14	19	124	133	154	120	129	72	660
Louisiana	28	22	34	30	23	214	174	226	178	200	137	992
Maine	-	3	1	-	5	32	27	23	20	22	9	124
Maryland	9	8	10	12	11	176	95	81	71	68	50	491
Massachusetts	15	12	13	7	16	219	195	158	168	180	63	920
Michigan	11	15	17	11	23	191	187	185	122	139	77	824
Minnesota	17	17	19	11	20	199	172	172	152	137	84	832
Mississippi	24	12	19	22	17	95	95	151	106	85	94	532
Missouri	19	20	17	21	20	179	201	190	222	156	97	948
Montana	5	6	5	9	5	82	80	136	88	98	30	484
Nebraska	18	9	11	17	8	185	167	163	191	198	63	904
Nevada	4	6	3	5	6	26	25	24	29	41	24	145
New Hampshire	-	1	-	-	-	10	3	6	4	6	1	29
New Jersey	23	19	24	17	20	464	453	374	394	377	103	2,062
New Mexico	12	13	18	12	9	75	55	62	72	60	64	324
New York	30	30	24	27	16	956	970	943	769	813	127	4,451
North Carolina	23	21	32	24	29	98	107	113	105	105	129	528
North Dakota	3	6	2	8	2	1,523	62	71	55	50	21	1,761
Ohio	48	26	34	23	41	250	277	282	254	208	172	1,271
Oklahoma	21	20	21	11	21	85	97	103	102	100	94	487
Oregon	7	11	11	4	8	130	96	113	106	109	41	554
Pennsylvania	31	21	18	27	21	481	492	519	602	583	118	2,677
Rhode Island	1	1	1	-	2	19	29	22	13	18	5	101
South Carolina	22	12	18	29	21	101	98	84	369	77	102	729
South Dakota	3	1	1	3	2	20	37	42	31	34	10	164
Tennessee	16	22	17	18	22	143	156	146	139	117	95	701
Texas	83	88	75	72	93	765	558	668	680	653	411	3,324
Utah	5	4	9	3	2	47	37	59	53	39	23	235
Vermont	-	-	-	-	-	30	19	19	21	14	-	103
Virginia	13	13	4	5	7	136	166	132	154	121	42	709
Washington	15	20	23	20	21	179	188	161	208	163	99	899
West Virginia	3	10	9	6	9	76	95	75	71	59	37	376
Wisconsin	13	16	6	19	10	180	170	139	137	112	64	738
Wyoming	2	5	-	4	-	63	76	74	74	85	11	372
Total	951	868	895	888	910	11,103	9,251	9,178	9,463	8,432	4,512	47,427

TABLE 1-6
TOTAL EMPLOYEE ON DUTY CASES BY RAILROAD

Railroads	2002		2003		2004		2005		2006	
	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate
Alton & Southern	12	3.44	11	3.21	7	2.01	10	2.91	8	2.31
Alaska RR Corp.	28	3.89	26	3.66	28	3.77	29	3.65	22	2.70
Amtrak	824	4.18	791	4.19	825	4.34	651	3.54	589	3.26
Bangor & Aroostook	15	6.89	-	-	-	-	-	-	-	-
Burlington Northern Santa Fe	854	2.27	747	2.03	668	1.72	769	1.88	647	1.50
Buffalo & Pittsburgh	3	1.51	3	1.64	8	4.07	2	0.97	3	1.44
Belt Rwy Of Chicago	10	2.11	14	2.70	16	3.12	8	1.57	14	2.92
Canadian National	286	3.21	308	3.60	263	3.18	230	2.93	172	2.27
Canadian Pacific	170	4.64	122	3.29	90	2.42	73	1.93	67	1.85
Conrail Shared Assets	33	2.39	33	2.50	20	1.63	11	0.94	13	1.16
CSX Transportation	636	2.00	742	2.33	702	2.33	602	1.79	495	1.46
Dakota,Minnesota & Eastern	29	1.94	45	4.92	70	6.96	51	4.92	40	3.83
Elgin, Joliet & Eastern	8	1.13	20	2.86	13	1.87	10	1.42	23	3.17
Florida East Coast	22	2.83	14	1.83	13	1.68	10	1.23	5	0.61
Grand Canyon Railway	28	13.28	19	7.86	18	6.70	24	8.42	27	8.83
Guilford Rail System	6	0.70	18	2.15	9	1.06	12	1.33	12	1.39
Indiana Harbor Belt	20	2.63	31	4.07	26	3.27	15	1.83	14	1.77
Kansas City Southern	102	3.39	93	3.10	110	3.40	80	2.23	53	1.57
Long Island Rail Road	259	4.17	241	3.50	187	2.80	219	3.48	181	2.81
MD Assn. of Rail Comm	8	2.81	3	1.08	2	0.78	6	2.37	2	0.75
Mass Bay Transit Auth.	104	5.63	94	5.14	78	4.28	75	3.84	74	4.25
Montreal, Maine & Atlantic	-	-	10	5.00	12	5.37	12	4.83	10	3.84
Metro North Commuter	282	5.20	305	5.41	267	4.61	202	3.38	187	3.06
Montana Rail Link	25	2.90	30	3.15	41	4.22	33	3.28	45	4.34
Northern IN Comm Trans	21	6.42	23	7.08	27	8.43	15	4.82	3	0.97
Northeast IL Reg Comm	121	2.80	64	1.52	76	1.78	78	1.84	91	2.26
New Jersey Transit Rail	158	3.78	150	3.39	128	2.83	147	3.22	154	3.30
Norfolk Southern Corp.	386	1.33	410	1.40	353	1.19	396	1.23	336	1.05
Paducah & Louisville	4	1.43	6	2.20	7	2.55	4	1.55	12	4.67
Port Auth Trans Hudson	108	10.61	78	7.55	108	10.65	86	8.55	89	8.74
Peninsula Comm San Mateo Cnty	23	5.36	20	4.78	22	5.50	9	2.36	8	2.09
Port Terminal RR Assn	19	6.17	16	5.37	14	4.37	28	8.13	9	2.80
Southern CA Reg Rail Auth.	9	2.83	5	1.52	7	2.10	18	5.32	7	2.11
Southeastern PA Trans.	164	9.49	184	10.56	168	9.83	185	11.40	195	11.43
Term RR Assn Of St. Louis	5	1.78	5	1.84	4	1.38	2	0.68	3	1.01
Union Pacific	1,159	2.57	989	2.21	991	2.10	1,035	2.12	945	1.88
Union RR (Pittsburgh)	15	3.06	30	6.35	17	3.97	17	4.32	9	2.27
Wheeling & Lake Erie	6	1.54	9	2.34	5	1.20	10	2.23	8	1.79
Wisconsin & Southern RR	32	16.32	30	14.85	19	9.41	22	10.80	22	9.42
Other Railroads	670	6.04	528	4.76	624	5.46	643	5.22	634	4.84

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

TABLE 1-7
TRAIN ACCIDENTS BY RAILROAD, EXCLUDING HRC

Railroads	2002		2003		2004		2005		2006	
	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate
Alton & Southern	15	18.43	14	15.34	16	15.78	18	17.15	11	10.71
Alaska RR Corp.	5	3.46	6	3.81	1	0.61	2	1.15	1	0.65
Amtrak	112	2.82	111	2.81	111	2.83	112	2.96	103	2.70
Bangor & Aroostook	2	3.15	-	-	-	-	-	-	-	-
Burlington Northern Santa Fe	538	3.32	582	3.36	668	3.58	675	3.49	643	3.21
Buffalo & Pittsburgh	2	4.66	8	23.57	2	5.43	6	16.17	3	6.47
Belt Rwy Of Chicago	18	47.81	19	39.53	27	49.49	23	44.39	20	39.95
Canadian National	124	5.49	109	4.93	94	4.14	66	2.98	99	4.60
Canadian Pacific	30	2.92	31	2.85	32	2.87	31	2.65	22	1.85
Conrail Shared Assets	31	14.58	42	18.33	35	11.15	42	13.62	29	9.76
CSX Transportation	354	3.22	515	4.79	536	4.86	488	4.50	386	3.56
Dakota, Minnesota & Eastern	46	12.40	56	13.52	92	22.75	63	19.20	34	10.24
Elgin, Joliet & Eastern	15	24.38	9	13.46	17	24.35	16	22.20	8	10.55
Florida East Coast	11	4.91	11	4.49	11	4.63	15	5.81	12	4.52
Grand Canyon Railway	-	-	-	-	-	-	-	-	-	-
Guilford Rail System	3	2.03	6	4.09	5	3.41	6	4.22	10	6.87
Indiana Harbor Belt	16	11.92	18	13.28	30	20.44	19	12.69	14	9.69
Kansas City Southern	101	11.51	109	12.66	133	15.35	124	14.19	85	7.32
Long Island Rail Road	14	1.71	12	1.46	13	1.60	12	1.46	9	1.07
MD Assn. of Rail Comm	2	1.65	-	-	4	3.27	2	1.66	3	2.51
Mass Bay Transit Auth.	-	-	2	0.51	1	0.26	-	-	1	0.25
Montreal, Maine & Atlantic	-	-	2	4.56	6	12.59	3	6.09	6	13.95
Metro North Commuter	46	5.33	70	8.10	56	6.31	40	4.46	50	5.38
Montana Rail Link	17	4.83	11	3.00	14	3.72	15	3.90	22	5.37
Northern IN Comm Trans	-	-	-	-	1	1.31	-	-	2	2.65
Northeast IL Reg Comm	5	0.56	3	0.34	6	0.65	6	0.65	4	0.42
New Jersey Transit Rail	39	4.82	42	4.95	48	5.44	30	3.17	34	3.57
Norfolk Southern Corp.	232	2.52	317	3.41	325	3.35	331	3.25	252	2.39
Paducah & Louisville	4	6.93	1	1.81	5	8.86	2	3.47	5	8.52
Port Auth Trans Hudson	3	1.35	2	0.96	2	0.95	3	1.38	1	0.47
Peninsula Comm San Mateo Cnty	1	0.85	-	-	2	1.62	3	2.17	3	2.11
Port Terminal RR Assn	15	12.02	12	9.67	14	11.32	5	3.91	7	5.47
Southern CA Reg Rail Auth.	3	1.50	-	-	2	0.94	8	4.05	2	0.87
Southeastern PA Trans.	22	4.16	15	2.82	10	1.98	9	1.76	9	1.72
Term RR Assn Of St. Louis	13	21.95	11	19.37	9	14.30	17	23.94	14	20.37
Union Pacific	824	4.41	801	4.21	962	4.98	954	4.79	880	4.33
Union RR (Pittsburgh)	5	37.41	6	46.24	6	48.04	3	24.46	5	39.31
Wheeling & Lake Erie	12	14.72	13	15.25	3	3.03	14	11.95	16	12.19
Wisconsin & Southern RR	9	34.85	5	17.19	2	6.64	4	13.37	5	15.28
Other Railroads	261	10.89	287	11.99	356	14.06	354	12.50	383	12.80

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

TABLE 1-8
TRAIN ACCIDENTS BY STATE, EXCLUDING HRC

States	2002		2003		2004		2005		2006		5 year Total	
	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Cnt	%
Alabama	54	2.0	77	2.6	78	2.3	72	2.2	80	2.7	361	2.4
Alaska	5	0.2	6	0.2	2	0.1	2	0.1	1	0.0	16	0.1
Arizona	33	1.2	24	0.8	38	1.1	35	1.1	36	1.2	166	1.1
Arkansas	66	2.4	79	2.6	110	3.3	86	2.6	77	2.6	418	2.7
California	184	6.7	175	5.8	184	5.4	199	6.1	189	6.4	931	6.1
Colorado	56	2.0	50	1.7	61	1.8	65	2.0	60	2.0	292	1.9
Connecticut	27	1.0	43	1.4	34	1.0	37	1.1	34	1.2	175	1.1
Delaware	7	0.3	10	0.3	9	0.3	6	0.2	7	0.2	39	0.3
Dist Of Columbia	8	0.3	14	0.5	8	0.2	13	0.4	13	0.4	56	0.4
Florida	52	1.9	49	1.6	56	1.7	62	1.9	46	1.6	265	1.7
Georgia	61	2.2	84	2.8	86	2.5	96	2.9	86	2.9	413	2.7
Idaho	24	0.9	22	0.7	24	0.7	30	0.9	29	1.0	129	0.8
Illinois	241	8.8	261	8.7	274	8.1	246	7.5	233	7.9	1,255	8.2
Indiana	54	2.0	84	2.8	81	2.4	94	2.9	62	2.1	375	2.4
Iowa	90	3.3	73	2.4	105	3.1	76	2.3	81	2.7	425	2.8
Kansas	83	3.0	92	3.1	104	3.1	107	3.3	99	3.4	485	3.2
Kentucky	42	1.5	38	1.3	71	2.1	49	1.5	46	1.6	246	1.6
Louisiana	79	2.9	76	2.5	103	3.0	86	2.6	92	3.1	436	2.8
Maine	5	0.2	7	0.2	8	0.2	5	0.2	13	0.4	38	0.2
Maryland	28	1.0	39	1.3	42	1.2	41	1.3	32	1.1	182	1.2
Massachusetts	18	0.7	25	0.8	28	0.8	22	0.7	19	0.6	112	0.7
Michigan	41	1.5	34	1.1	32	0.9	36	1.1	43	1.5	186	1.2
Minnesota	61	2.2	68	2.3	72	2.1	67	2.1	57	1.9	325	2.1
Mississippi	38	1.4	33	1.1	57	1.7	50	1.5	36	1.2	214	1.4
Missouri	77	2.8	89	3.0	84	2.5	73	2.2	62	2.1	385	2.5
Montana	28	1.0	24	0.8	35	1.0	36	1.1	42	1.4	165	1.1
Nebraska	85	3.1	86	2.9	123	3.6	122	3.7	92	3.1	508	3.3
Nevada	9	0.3	8	0.3	17	0.5	14	0.4	19	0.6	67	0.4
New Hampshire	1	0.0	-	-	1	0.0	2	0.1	-	-	4	0.0
New Jersey	71	2.6	84	2.8	89	2.6	77	2.4	53	1.8	374	2.4
New Mexico	15	0.5	23	0.8	33	1.0	42	1.3	29	1.0	142	0.9
New York	106	3.9	117	3.9	105	3.1	105	3.2	97	3.3	530	3.5
North Carolina	21	0.8	52	1.7	38	1.1	29	0.9	31	1.1	171	1.1
North Dakota	22	0.8	18	0.6	17	0.5	25	0.8	21	0.7	103	0.7
Ohio	82	3.0	149	4.9	116	3.4	119	3.7	89	3.0	555	3.6
Oklahoma	49	1.8	51	1.7	66	2.0	69	2.1	62	2.1	297	1.9
Oregon	59	2.2	56	1.9	94	2.8	69	2.1	64	2.2	342	2.2
Pennsylvania	101	3.7	117	3.9	144	4.3	108	3.3	101	3.4	571	3.7
Rhode Island	1	0.0	1	0.0	8	0.2	1	0.0	3	0.1	14	0.1
South Carolina	22	0.8	19	0.6	39	1.2	26	0.8	17	0.6	123	0.8
South Dakota	13	0.5	16	0.5	33	1.0	25	0.8	10	0.3	97	0.6
Tennessee	57	2.1	70	2.3	71	2.1	68	2.1	68	2.3	334	2.2
Texas	342	12.5	315	10.4	354	10.5	395	12.1	354	12.0	1,760	11.5
Utah	25	0.9	40	1.3	29	0.9	31	1.0	36	1.2	161	1.0
Vermont	2	0.1	5	0.2	5	0.1	7	0.2	3	0.1	22	0.1
Virginia	42	1.5	57	1.9	39	1.2	55	1.7	53	1.8	246	1.6
Washington	35	1.3	63	2.1	68	2.0	67	2.1	59	2.0	292	1.9
West Virginia	20	0.7	18	0.6	27	0.8	42	1.3	30	1.0	137	0.9
Wisconsin	54	2.0	37	1.2	30	0.9	31	1.0	28	0.9	180	1.2
Wyoming	42	1.5	38	1.3	48	1.4	39	1.2	57	1.9	224	1.5
Total	2,738	100.0	3,016	100.0	3,380	100.0	3,259	100.0	2,951	100.0	15,344	100.0

TABLE 1-9
CONSISTS TRANSPORTING HAZMAT, BY RAILROAD

Railroads	2002			2003			2004			2005			2006		
	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls
Alton & Southern	2	2	-	2	2	-	7	4	1	2	1	-	1	-	-
Alaska RR Corp.	1	-	-	1	1	-	2	-	-	2	1	-	-	-	-
Amtrak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bangor & Aroostook	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Burlington Northern Santa Fe	218	102	5	271	126	4	313	136	10	317	132	10	310	140	7
Buffalo & Pittsburg	1	-	-	2	1	-	1	-	-	1	1	-	1	-	-
Belt Rwy Of Chicago	2	1	-	3	1	-	3	2	-	1	-	-	7	4	1
Canadian National	44	26	3	42	20	2	38	19	1	21	15	2	43	30	1
Canadian Pacific	14	7	2	12	2	1	13	3	-	5	3	-	7	4	-
Conrail Shared Assets	10	6	-	11	2	-	8	5	-	4	2	-	3	-	-
CSX Transportation	98	47	4	151	67	5	160	66	4	155	54	5	136	58	6
Dakota, Minnesota & Eastern	3	2	-	12	5	-	13	3	1	16	3	-	13	2	1
Elgin, Joliet & Eastern	2	1	-	-	-	-	3	2	-	-	-	-	-	-	-
Florida East Coast	2	2	-	1	1	1	3	1	-	3	-	-	6	1	-
Guilford Rail System	-	-	-	3	2	-	3	-	-	5	5	-	6	1	-
Indiana Harbor Belt	2	1	-	4	1	-	5	1	-	4	1	-	4	1	-
Kansas City Southern	63	34	1	41	20	2	52	23	-	51	22	-	20	10	-
Long Island Rail Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MD Assn. of Rail Comm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mass Bay Transit Auth.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Montreal, Maine & Atlantic	-	-	-	-	-	-	5	1	-	3	1	1	6	4	-
Metro North Commuter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Montana Rail Link	5	3	1	4	1	-	7	4	-	7	2	-	7	5	1
Northern IN Comm Trans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeast IL Reg Comm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Jersey Transit Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Norfolk Southern Corp.	48	27	6	40	15	4	59	27	3	57	22	3	49	16	5
Paducah & Louisville	-	-	-	-	-	-	3	3	-	-	-	-	2	-	-
Port Auth Trans Hudson	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peninsula Comm San Mateo Cnty	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Terminal RR Assn	7	5	-	6	5	-	5	5	-	1	-	-	1	-	-
Southern CA Reg Rail Auth.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern PA Trans.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Term RR Assn Of St. Louis	-	-	-	1	-	-	-	-	-	1	1	-	2	2	-
Union Pacific	176	99	7	150	91	8	166	78	7	218	97	12	195	85	4
Union RR (Pittsburgh)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wheeling & Lake Erie	2	1	-	4	3	-	-	-	-	3	1	1	5	3	-
Wisconsin & Southern RR	-	-	-	1	-	-	-	-	-	2	-	-	1	1	-
Other Railroads	37	23	2	42	28	-	31	21	2	53	29	3	63	41	2
Total	737	389	31	804	394	27	900	404	29	932	393	37	888	408	28

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

TABLE 1-10
CONSISTS TRANSPORTING HAZMAT, BY STATE

States	2002			2003			2004			2005			2006		
	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls
Alabama	13	7	1	20	12	1	21	8	1	20	6	-	38	18	2
Alaska	1	-	-	1	1	-	2	-	-	2	1	-	-	-	-
Arizona	14	8	1	12	8	-	21	10	1	18	6	-	24	13	2
Arkansas	18	10	1	17	10	1	20	9	-	33	12	3	25	11	-
California	64	29	1	47	27	1	51	28	3	37	19	2	44	24	3
Colorado	7	4	-	12	5	1	22	13	1	17	14	-	15	8	-
Connecticut	1	1	-	-	-	-	-	-	-	1	1	-	-	-	-
Delaware	3	2	-	3	2	1	2	1	-	2	2	-	1	1	-
Dist Of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	13	7	-	11	5	1	11	6	-	13	4	1	12	4	-
Georgia	16	8	1	21	11	1	15	7	-	20	6	-	23	10	2
Idaho	8	1	-	5	2	-	3	1	1	6	-	-	9	6	-
Illinois	65	34	1	68	30	2	70	31	2	61	23	3	72	29	2
Indiana	13	5	1	18	7	1	20	9	1	15	9	-	11	3	1
Iowa	18	9	-	17	5	1	18	6	-	22	6	-	8	-	-
Kansas	23	13	2	28	16	1	24	13	1	32	14	1	43	18	2
Kentucky	11	8	-	9	4	-	19	7	-	9	4	-	11	1	-
Louisiana	41	29	4	28	19	2	50	26	-	43	19	1	44	25	1
Maine	-	-	-	2	1	-	6	1	-	5	3	1	11	5	-
Maryland	10	6	1	7	5	-	12	5	1	6	4	-	7	3	-
Massachusetts	-	-	-	2	1	-	5	1	-	3	2	-	5	4	-
Michigan	14	8	1	11	6	-	9	4	1	8	4	-	7	5	-
Minnesota	16	6	-	24	6	1	25	8	1	29	10	-	17	8	1
Mississippi	17	12	1	12	6	-	26	8	-	25	13	1	11	7	-
Missouri	21	6	-	31	12	1	18	6	1	24	10	1	16	8	-
Montana	11	6	1	9	3	-	17	7	-	14	4	-	22	10	1
Nebraska	7	4	-	22	12	-	33	17	2	27	14	-	10	5	-
Nevada	2	1	-	1	1	1	4	3	1	3	3	-	2	2	-
New Hampshire	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
New Jersey	8	3	-	9	3	-	10	6	-	6	2	-	4	2	-
New Mexico	7	4	-	14	9	-	17	7	-	31	18	1	12	5	-
New York	9	5	1	13	7	-	23	11	1	28	14	3	25	8	-
North Carolina	10	3	-	11	4	-	17	9	1	16	3	-	11	1	-
North Dakota	6	6	1	3	1	-	3	1	-	11	5	-	6	3	-
Ohio	20	10	-	36	14	-	29	12	1	32	10	1	28	16	2
Oklahoma	21	8	-	21	9	-	16	5	-	21	9	2	34	9	-
Oregon	9	3	-	9	3	-	17	5	1	9	7	1	16	7	-
Pennsylvania	20	7	-	29	11	-	23	11	1	22	8	1	20	8	4
Rhode Island	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
South Carolina	6	4	1	3	-	-	9	6	-	12	2	1	3	3	-
South Dakota	2	1	-	1	-	-	5	2	1	2	-	-	2	1	-
Tennessee	23	11	4	31	11	1	25	14	-	26	6	1	32	14	1
Texas	131	82	5	118	74	6	129	58	4	159	69	9	138	71	4
Utah	2	2	-	5	2	-	1	1	-	4	3	1	5	3	-
Vermont	-	-	-	1	1	-	1	-	-	2	-	-	1	1	-
Virginia	4	3	1	6	5	3	7	1	-	2	1	-	10	2	-
Washington	9	2	1	31	14	-	22	11	1	31	13	1	34	17	-
West Virginia	3	2	-	3	-	-	6	2	-	2	2	-	1	1	-
Wisconsin	11	5	-	14	4	-	8	3	-	10	3	-	10	4	-
Wyoming	9	4	-	8	5	-	7	3	-	10	5	1	8	4	-
Total	737	389	31	804	394	27	900	404	29	932	393	37	888	408	28

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

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

Railroads	At Public Crossing					At Private Crossing				
	2002	2003	2004	2005	2006	2002	2003	2004	2005	2006
Alton & Southern	-	-	-	1	-	-	-	-	-	-
Alaska RR Corp.	4	1	1	2	1	-	-	-	-	-
Amtrak	118	129	130	108	110	24	20	16	22	23
Bangor & Aroostook	2	-	-	-	-	-	-	-	-	-
Burlington Northern Santa Fe	408	346	372	380	335	54	61	75	78	57
Buffalo & Pittsburg	7	6	3	4	2	2	1	-	-	1
Belt Rwy Of Chicago	-	-	2	-	-	2	-	2	1	1
Canadian National	138	176	161	159	125	16	16	14	20	22
Canadian Pacific	42	32	25	27	22	3	7	4	10	2
Conrail Shared Assets	21	24	21	31	26	-	4	4	1	-
CSX Transportation	481	480	442	452	411	55	58	62	62	65
Dakota, Minnesota & Eastern	32	25	26	27	31	4	3	4	2	4
Elgin, Joliet & Eastern	6	-	3	4	6	3	4	5	5	-
Florida East Coast	18	19	30	29	33	-	1	1	-	-
Guilford Rail System	5	9	2	-	-	-	1	1	-	-
Indiana Harbor Belt	3	6	5	11	4	1	-	-	-	1
Kansas City Southern	107	105	119	100	99	13	13	8	8	5
Long Island Rail Road	7	5	7	14	10	-	-	-	-	-
MD Assn. of Rail Comm	1	2	1	-	-	-	-	1	-	-
Mass Bay Transit Auth.	4	6	10	3	6	-	-	-	1	-
Montreal, Maine & Atlantic	-	-	1	1	4	-	1	1	1	-
Metro North Commuter	2	1	2	2	3	2	1	2	-	-
Montana Rail Link	10	7	10	4	4	2	5	3	3	5
Northern IN Comm Trans	3	-	2	8	5	-	-	-	-	-
Northeast IL Reg Comm	24	28	25	22	23	2	-	-	-	2
New Jersey Transit Rail	16	9	15	7	8	-	1	-	-	2
Norfolk Southern Corp.	449	416	476	418	391	79	74	98	78	85
Paducah & Louisville	8	5	9	2	10	-	-	-	1	-
Peninsula Comm San Mateo Cnty	1	6	4	2	11	1	-	-	-	1
Port Terminal RR Assn	4	6	2	-	2	7	1	3	4	-
Southern CA Reg Rail Auth.	15	17	11	17	18	2	-	-	-	1
Southeastern PA Trans.	-	1	6	3	1	1	-	-	-	-
Term RR Assn Of St. Louis	4	1	2	-	3	-	-	-	-	-
Union Pacific	479	437	453	481	501	53	58	83	78	85
Wheeling & Lake Erie	8	17	12	15	12	-	2	-	1	-
Wisconsin & Southern RR	9	6	4	7	7	-	-	-	-	-
Other Railroads	273	279	261	292	287	42	38	36	47	61
Total	2,709	2,607	2,655	2,633	2,511	368	370	423	423	423

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

States	At Public Crossing					At Private Crossing					At Public Crossing			At Private Crossing		
	2002	2003	2004	2005	2006	2002	2003	2004	2005	2006	Cnt	Kld	Nonf	Cnt	Kld	Nonf
Alabama	107	83	102	105	114	11	8	11	8	13	511	58	186	51	2	16
Alaska	4	1	1	2	1	-	-	-	-	-	9	-	2	-	-	-
Arizona	17	31	30	34	45	2	8	-	5	3	157	10	32	18	7	1
Arkansas	83	71	66	60	75	1	9	6	12	5	355	47	140	33	1	7
California	117	118	132	131	142	23	24	23	18	27	640	135	231	115	16	42
Colorado	33	29	29	32	35	5	6	7	4	10	158	21	72	32	3	15
Connecticut	2	-	7	6	7	3	4	3	-	1	22	6	6	11	3	5
Delaware	4	6	5	8	5	2	2	2	-	2	28	3	16	8	-	3
Dist Of Columbia	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Florida	86	91	97	89	106	13	8	11	14	12	469	69	137	58	7	21
Georgia	128	109	135	110	118	14	7	20	21	16	600	43	162	78	4	11
Hawaii	-	-	1	1	1	-	-	-	-	-	3	-	-	-	-	-
Idaho	18	18	18	21	19	2	3	6	2	3	94	11	25	16	1	8
Illinois	155	150	159	144	152	17	19	20	36	22	760	130	337	114	8	27
Indiana	162	135	151	165	133	13	11	8	11	6	746	94	179	49	3	7
Iowa	63	61	78	70	60	6	4	3	7	9	332	23	116	29	1	8
Kansas	68	50	64	55	51	3	8	8	8	6	288	39	117	33	2	12
Kentucky	72	73	64	66	55	13	18	16	20	12	330	30	109	79	6	27
Louisiana	136	132	142	119	126	13	14	25	12	18	655	77	254	82	1	39
Maine	5	8	4	4	7	1	3	2	1	-	28	1	9	7	1	2
Maryland	10	18	8	13	15	1	4	4	6	9	64	1	16	24	1	6
Massachusetts	12	15	15	10	10	-	1	3	1	1	62	10	45	6	-	2
Michigan	91	101	95	88	74	6	6	6	9	8	449	36	118	35	2	18
Minnesota	72	66	75	59	53	4	9	11	6	8	325	51	122	38	7	7
Mississippi	86	84	80	73	77	11	7	8	6	5	400	56	165	37	2	21
Missouri	64	54	46	54	48	12	11	13	10	12	266	52	123	58	4	24
Montana	23	16	14	15	12	2	10	7	5	7	80	6	23	31	6	8
Nebraska	49	39	47	44	28	6	3	11	6	9	207	38	81	35	4	10
Nevada	1	1	2	4	2	1	1	-	-	2	10	1	1	4	2	3
New Hampshire	-	1	1	2	1	1	-	-	-	1	5	-	1	2	-	2
New Jersey	32	39	40	41	34	1	11	3	3	9	186	30	51	27	-	4
New Mexico	14	8	14	17	8	3	4	7	3	2	61	10	23	19	8	10
New York	31	36	27	36	24	8	7	6	7	8	154	26	63	36	8	15
North Carolina	61	64	60	56	57	17	8	15	11	18	298	27	99	69	5	23
North Dakota	22	22	14	16	12	3	1	2	2	-	86	13	37	8	1	4
Ohio	127	116	121	125	112	14	10	18	10	16	601	67	183	68	11	13
Oklahoma	65	64	54	60	66	4	3	4	4	4	309	63	148	19	-	10
Oregon	24	23	21	19	19	11	8	9	8	9	106	11	26	45	1	15
Pennsylvania	59	71	66	68	51	14	17	13	12	11	315	17	66	67	2	6
Rhode Island	-	2	-	1	-	-	-	-	-	-	3	-	-	-	-	-
South Carolina	61	61	64	71	39	5	9	3	4	8	296	44	93	29	3	32
South Dakota	20	14	14	16	15	1	1	2	2	1	79	5	37	7	-	1
Tennessee	75	75	67	67	56	7	9	10	11	12	340	33	98	49	4	9
Texas	277	258	251	265	297	48	26	42	59	42	1,348	142	562	217	24	74
Utah	16	18	8	15	11	5	1	2	3	3	68	5	29	14	3	2
Vermont	4	2	4	3	2	1	1	1	1	1	15	-	7	5	-	5
Virginia	24	40	41	28	26	15	17	24	23	17	159	5	33	96	6	47
Washington	25	31	41	43	37	10	12	5	14	13	177	16	46	54	9	8
West Virginia	21	30	19	24	18	9	9	12	11	14	112	8	31	55	4	16
Wisconsin	79	69	60	77	52	4	5	9	7	6	337	33	114	31	1	4
Wyoming	4	3	1	1	3	2	3	2	-	1	12	-	5	8	3	2
Total	2,709	2,607	2,655	2,633	2,511	368	370	423	423	423	13,115	1603	4576	2,007	187	652

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

Railroads	Fatalities					Nonfatal				
	2002	2003	2004	2005	2006	2002	2003	2004	2005	2006
Alton & Southern	-	-	-	-	-	-	-	-	1	-
Alaska RR Corp.	-	-	-	-	-	1	1	-	-	-
Amtrak	42	52	46	45	49	93	125	64	86	91
Burlington Northern Santa Fe	69	55	52	71	58	169	165	184	231	180
Buffalo & Pittsburg	-	-	-	-	-	1	3	1	1	1
Canadian National	16	9	12	11	18	56	52	54	45	40
Canadian Pacific	6	3	-	10	1	28	16	16	8	12
Conrail Shared Assets	-	1	-	-	-	4	9	3	6	6
CSX Transportation	39	52	59	47	52	142	160	205	94	133
Dakota, Minnesota & Eastern	1	4	1	2	1	12	14	13	21	8
Elgin, Joliet & Eastern	-	-	-	1	-	2	1	-	2	3
Florida East Coast	8	2	7	10	4	5	11	11	2	6
Guilford Rail System	-	1	-	-	-	1	2	1	-	-
Indiana Harbor Belt	-	-	-	1	-	1	-	1	-	2
Kansas City Southern	11	10	20	7	4	53	32	58	37	46
Long Island Rail Road	2	2	1	8	2	-	-	4	4	1
MD Assn. of Rail Comm	-	-	-	-	-	1	1	1	-	-
Mass Bay Transit Auth.	4	-	2	1	2	1	2	2	3	28
Montreal, Maine & Atlantic	-	-	-	-	1	-	1	-	-	1
Metro North Commuter	1	-	-	-	-	2	-	31	1	1
Montana Rail Link	-	1	-	-	-	1	4	3	1	2
Northern IN Comm Trans	-	-	-	-	-	-	-	1	1	3
Northeast IL Reg Comm	7	7	6	8	5	6	19	12	28	26
New Jersey Transit Rail	4	2	8	1	3	8	2	1	-	5
Norfolk Southern Corp.	58	42	61	55	42	96	121	142	138	143
Paducah & Louisville	-	-	-	-	1	4	3	4	-	5
Peninsula Comm San Mateo Cnty	-	1	1	-	6	2	-	2	-	2
Port Terminal RR Assn	-	-	-	-	-	-	1	1	1	1
Southern CA Reg Rail Auth.	5	9	2	1	4	10	26	4	1	3
Southeastern PA Trans.	-	-	-	-	-	-	1	2	-	-
Term RR Assn Of St. Louis	-	-	-	-	-	-	1	2	-	-
Union Pacific	69	70	77	63	96	208	171	198	234	223
Wheeling & Lake Erie	-	-	-	-	1	1	9	6	9	3
Wisconsin & Southern RR	-	-	-	-	1	3	2	1	-	2
Other Railroads	15	11	17	16	18	88	79	66	89	75
Total	357	334	372	358	369	999	1,034	1,094	1,044	1,052

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

States	Fatalities					Nonfatal					5 year Total	
	2002	2003	2004	2005	2006	2002	2003	2004	2005	2006	Kld	Nonf
Alabama	13	10	10	16	11	32	38	36	46	49	60	201
Alaska	-	-	-	-	-	1	1	-	-	-	-	2
Arizona	-	7	2	2	6	5	3	9	5	11	17	33
Arkansas	14	9	8	8	9	29	23	28	40	27	48	147
California	30	27	34	23	37	55	65	54	59	38	151	271
Colorado	6	1	1	6	10	12	10	15	18	32	24	87
Connecticut	2	-	4	3	-	1	-	5	2	3	9	11
Delaware	2	-	-	1	-	1	4	7	3	4	3	19
Florida	16	14	19	17	10	32	36	35	21	34	76	158
Georgia	5	7	15	12	8	13	55	42	26	37	47	173
Idaho	1	3	4	1	3	7	7	11	6	2	12	33
Illinois	24	30	28	31	25	67	71	71	82	73	138	364
Indiana	17	20	26	21	13	44	37	37	31	37	97	186
Iowa	4	3	5	6	6	28	21	25	32	18	24	124
Kansas	9	3	7	7	15	26	28	16	31	27	41	128
Kentucky	5	8	8	7	8	24	24	33	26	29	36	136
Louisiana	12	15	23	20	8	65	43	66	44	75	78	293
Maine	-	1	-	-	1	1	3	3	2	2	2	11
Maryland	-	-	-	1	1	4	4	6	1	7	2	22
Massachusetts	4	-	3	1	2	1	3	7	6	30	10	47
Michigan	7	7	9	5	10	34	28	31	14	29	38	136
Minnesota	11	11	15	9	12	30	27	26	28	17	58	128
Mississippi	14	9	12	10	13	31	44	44	30	37	58	186
Missouri	14	9	9	17	7	26	32	31	32	26	56	147
Montana	2	4	2	3	1	6	5	9	4	7	12	31
Nebraska	13	5	7	12	5	20	12	18	22	19	42	91
Nevada	1	1	-	1	-	1	2	-	-	1	3	4
New Hampshire	-	-	-	-	-	2	-	-	-	1	-	3
New Jersey	4	7	8	2	9	13	13	7	11	11	30	55
New Mexico	1	3	5	4	5	4	7	9	7	6	18	33
New York	3	8	5	13	5	10	7	41	10	10	34	78
North Carolina	2	4	12	6	8	20	16	26	38	22	32	122
North Dakota	-	6	-	8	-	13	9	11	4	4	14	41
Ohio	26	13	14	8	17	35	47	35	43	36	78	196
Oklahoma	20	11	10	6	16	27	32	29	34	36	63	158
Oregon	-	3	7	1	1	14	7	7	4	9	12	41
Pennsylvania	6	3	1	5	4	12	13	15	20	12	19	72
South Carolina	9	5	12	9	12	42	25	27	17	14	47	125
South Dakota	-	1	-	2	2	5	8	9	9	7	5	38
Tennessee	8	8	6	7	8	14	18	27	28	20	37	107
Texas	37	36	26	23	44	125	108	110	144	149	166	636
Utah	3	-	3	2	-	6	6	7	9	3	8	31
Vermont	-	-	-	-	-	3	2	2	3	2	-	12
Virginia	1	7	1	2	-	12	27	21	13	7	11	80
Washington	2	6	4	6	7	8	10	11	14	11	25	54
West Virginia	1	3	3	1	4	6	21	8	4	8	12	47
Wisconsin	7	4	4	13	6	31	30	25	20	12	34	118
Wyoming	1	2	-	-	-	1	2	2	1	1	3	7
Total	357	334	372	358	369	999	1,034	1,094	1,044	1,052	1,790	5,223

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

Railroads	Fatalities					Nonfatal					5 year Total	
	2002	2003	2004	2005	2006	2002	2003	2004	2005	2006	Kld	Nonf
Alaska RR Corp.	-	-	-	1	-	-	1	-	-	-	1	1
Amtrak	78	64	77	71	67	28	22	26	28	26	357	130
Burlington Northern Santa Fe	64	70	77	73	82	52	41	68	65	98	366	324
Buffalo & Pittsburg	-	-	-	-	1	-	2	1	-	-	1	3
Canadian National	17	9	4	8	9	8	10	9	9	9	47	45
Canadian Pacific	2	6	3	-	3	5	1	5	1	2	14	14
Conrail Shared Assets	2	-	1	1	1	6	2	1	1	4	5	14
CSX Transportation	77	77	75	62	84	54	55	67	58	56	375	290
Dakota,Minnesota & Eastern	-	1	1	2	-	1	-	3	1	3	4	8
Elgin, Joliet & Eastern	-	-	-	-	-	-	2	-	-	-	-	2
Florida East Coast	16	16	10	16	14	6	8	7	6	6	72	33
Guilford Rail System	-	2	1	2	2	-	3	-	3	-	7	6
Indiana Harbor Belt	-	-	-	-	1	1	1	2	1	2	1	7
Kansas City Southern	11	7	5	5	9	11	12	13	10	11	37	57
Long Island Rail Road	5	4	2	1	-	3	2	5	4	-	12	14
MD Assn. of Rail Comm	-	-	2	1	2	-	-	-	-	1	5	1
Mass Bay Transit Auth.	11	4	2	3	6	2	1	-	-	-	26	3
Metro North Commuter	4	1	1	3	1	-	2	1	3	4	10	10
Montana Rail Link	1	-	-	3	-	-	1	3	3	1	4	8
Northeast IL Reg Comm	14	8	6	6	2	9	8	7	4	6	36	34
New Jersey Transit Rail	12	6	9	7	6	5	4	4	5	9	40	27
Norfolk Southern Corp.	63	65	60	72	75	50	54	39	71	64	335	278
Paducah & Louisville	1	-	1	1	1	-	-	-	-	1	4	1
Port Auth Trans Hudson	-	-	-	-	-	1	-	2	3	-	-	6
Peninsula Comm San Mateo Cnty	5	9	8	9	11	3	1	3	3	3	42	13
Southern CA Reg Rail Auth.	1	2	3	5	5	2	3	-	3	-	16	8
Southeastern PA Trans.	3	-	6	2	2	1	1	-	-	1	13	3
Union Pacific	146	133	115	95	122	133	144	124	124	144	611	669
Wheeling & Lake Erie	1	-	-	-	-	2	-	-	-	-	1	2
Wisconsin & Southern RR	-	-	-	-	-	-	-	1	-	-	-	1
Other Railroads	6	17	6	14	12	12	17	13	11	23	55	76
Total	540	501	475	463	518	395	398	404	417	474	2,497	2,088

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

States	Fatalities					Nonfatal					5 year Total	
	2002	2003	2004	2005	2006	2002	2003	2004	2005	2006	Kld	Nonf
Alabama	5	5	9	6	10	4	5	10	12	11	35	42
Alaska	-	-	-	1	-	-	1	-	-	-	1	1
Arizona	14	10	16	21	20	11	17	21	15	22	81	86
Arkansas	12	2	3	4	6	9	8	4	7	7	27	35
California	90	85	83	87	88	43	50	46	65	59	433	263
Colorado	4	5	2	3	7	1	2	12	13	12	21	40
Connecticut	4	2	1	3	2	1	2	1	1	3	12	8
Delaware	4	3	1	1	2	-	-	-	2	1	11	3
Dist Of Columbia	1	1	2	1	-	1	2	-	-	1	5	4
Florida	33	32	20	33	28	15	23	14	22	20	146	94
Georgia	14	22	19	15	8	13	15	14	14	16	78	72
Idaho	1	2	1	1	2	1	1	2	1	-	7	5
Illinois	32	26	25	19	25	26	29	28	19	28	127	130
Indiana	8	9	12	14	10	4	7	9	7	13	53	40
Iowa	16	6	3	2	-	4	2	2	2	2	27	12
Kansas	4	6	5	2	9	3	1	8	7	12	26	31
Kentucky	5	5	7	7	11	5	1	9	6	9	35	30
Louisiana	16	7	11	10	14	13	13	7	11	17	58	61
Maine	-	2	1	-	4	-	2	-	-	-	7	2
Maryland	9	8	10	10	10	3	4	3	10	2	47	22
Massachusetts	11	11	10	5	13	4	5	1	5	1	50	16
Michigan	4	7	6	5	12	6	10	10	3	2	34	31
Minnesota	6	5	4	2	6	3	4	2	3	6	23	18
Mississippi	10	2	6	8	4	4	6	4	8	7	30	29
Missouri	5	11	8	4	12	14	12	14	11	11	40	62
Montana	3	2	2	6	4	1	1	3	4	5	17	14
Nebraska	3	3	3	5	3	1	2	2	1	5	17	11
Nevada	3	5	3	4	6	2	5	4	4	7	21	22
New Hampshire	-	1	-	-	-	1	-	-	-	-	1	1
New Jersey	18	12	15	13	10	7	7	10	7	9	68	40
New Mexico	10	8	10	8	4	6	5	4	7	8	40	30
New York	23	19	14	14	9	10	8	14	12	6	79	50
North Carolina	20	17	20	18	21	6	5	15	12	14	96	52
North Dakota	1	-	2	-	2	-	2	1	2	1	5	6
Ohio	20	12	18	14	24	10	11	8	16	14	88	59
Oklahoma	1	9	9	4	5	7	5	7	4	6	28	29
Oregon	7	8	4	2	7	11	5	10	8	3	28	37
Pennsylvania	22	18	15	15	17	22	8	14	11	18	87	73
Rhode Island	1	1	1	-	2	-	-	1	-	1	5	2
South Carolina	13	5	6	10	9	8	5	2	7	11	43	33
South Dakota	3	-	1	1	-	1	1	2	-	3	5	7
Tennessee	7	13	11	11	13	18	12	3	8	6	55	47
Texas	44	51	42	44	49	68	54	53	40	69	230	284
Utah	2	2	5	-	1	2	4	1	2	-	10	9
Vermont	-	-	-	-	-	1	-	-	1	1	-	3
Virginia	11	6	2	3	7	8	14	7	3	9	29	41
Washington	13	13	19	14	13	8	12	14	13	10	72	57
West Virginia	2	7	6	5	5	5	7	4	5	1	25	22
Wisconsin	5	12	2	6	4	4	3	4	4	5	29	20
Wyoming	-	3	-	2	-	-	-	-	2	-	5	2
Total	540	501	475	463	518	395	398	404	417	474	2,497	2,088

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:

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

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

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

Approximately 700 railroads currently submit accident/incident reports. It is not possible to display the safety record of each railroad in this publication. Consequently, the listing of individual railroads has been limited to those defined by the Surface Transportation Board (STB) to be Class 1 railroads, and other railroads reporting annual employees worked in excess of 400,000.

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

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

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TABLE 2-1
ACCIDENTS/INCIDENTS, BY MONTH, 2006

Months	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
January	1,099	52	672	239	-	13	236	22	59	624	30	600
February	1,046	63	654	225	-	2	230	32	81	591	31	571
March	1,122	72	690	235	-	6	246	27	73	641	45	611
April	1,074	83	647	244	1	4	241	37	89	589	45	554
May	1,167	77	727	278	-	12	262	38	109	627	39	606
June	1,138	78	740	252	-	14	223	28	92	663	50	634
July	1,198	87	798	270	-	54	225	31	87	703	56	657
August	1,263	98	821	255	-	20	244	31	87	764	67	714
September	1,149	74	715	234	-	8	253	28	74	662	46	633
October	1,127	70	717	240	-	14	257	18	113	630	52	590
November	1,044	83	634	227	2	16	275	42	96	542	39	522
December	1,002	73	617	252	3	43	242	35	92	508	35	482
Total	13,429	910	8,432	2,951	6	206	2,934	369	1,052	7,544	535	7,174

TABLE 2-2
ACCIDENT/INCIDENT RATES, BY MONTH, 2006

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	16.25	3.53	2.08	3.49	9.23	0.92	3.90	1.47	17.92	1.70
February	17.01	3.66	2.14	3.74	9.61	1.07	3.18	0.73	18.46	1.74
March	16.18	3.39	2.13	3.55	9.25	1.24	3.28	1.02	16.29	1.74
April	16.09	3.66	2.06	3.61	8.82	1.11	3.53	1.35	18.55	1.82
May	16.76	3.99	2.15	3.76	9.01	1.02	5.71	1.15	19.09	2.13
June	16.92	3.75	2.23	3.32	9.86	1.41	6.47	0.77	16.07	2.22
July	17.75	4.00	2.52	3.33	10.42	1.51	6.97	1.82	17.39	2.39
August	18.07	3.65	2.40	3.49	10.93	1.65	4.54	0.99	16.16	2.11
September	17.06	3.48	2.27	3.76	9.83	1.41	3.63	1.05	17.73	1.75
October	16.03	3.41	2.01	3.66	8.96	1.37	6.08	0.38	17.78	1.67
November	15.73	3.42	1.88	4.14	8.17	1.05	4.41	1.30	15.90	1.91
December	15.27	3.84	1.94	3.69	7.74	0.91	3.68	1.41	17.92	2.12
Total	16.60	3.65	2.15	3.63	9.32	1.23	4.68	1.12	17.43	1.94

TABLE 2-3
ACCIDENTS/INCIDENTS BY RAILROAD GROUPS, 2006

Groups	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
I	9,378	787	5,442	2,297	6	141	2,338	320	868	4,743	461	4,433
II	2,617	92	2,174	306	-	56	248	31	109	2,063	61	2,009
III	1,434	31	816	348	-	9	348	18	75	738	13	732
All	13,429	910	8,432	2,951	6	206	2,934	369	1,052	7,544	535	7,174

TABLE 2-4
OPERATIONAL DATA BY RAILROAD GROUPS, 2006

Groups	Train Miles	Freight Train Miles	Passenger Train Miles	Yard Switching Train Miles	Other Train Miles	Employee Hours	Passengers Carried
I	700,289,366	593,317,646	36,084,000	67,680,866	3,206,854	383,938,437	24,548,275
II	78,825,950	15,763,571	50,405,235	11,966,927	690,217	75,534,694	486,781,789
III	29,929,572	14,963,190	5,463,966	9,384,521	117,895	26,209,812	37,226,442
All	809,044,888	624,044,407	91,953,201	89,032,314	4,014,966	485,682,943	548,556,506

TABLE 2-5
ACCIDENT/INCIDENT RATES BY RAILROAD GROUPS, 2006

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	13.39	3.28	1.72	3.34	6.77	1.23	5.93	1.25	18.88	1.61
II	33.20	3.88	3.42	3.15	26.17	1.22	3.92	1.11	13.45	2.17
III	47.91	11.63	4.84	11.63	24.66	1.17	6.33	0.37	12.04	11.44
Tot	16.60	3.65	2.15	3.63	9.32	1.23	4.68	1.12	17.43	1.94

TABLE 2-6
ACCIDENTS/INCIDENTS BY RAILROAD, 2006

	Group - Railroads	Total			Train Accidents			HRC Incidents			Other Incidents		
		Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
1	Amtrak	1,262	118	1,092	103	-	22	133	49	91	1,026	69	979
	Burlington Northern Santa Fe	2,007	144	1,149	643	3	33	392	58	180	972	83	936
	Canadian National	444	27	231	99	-	1	147	18	40	198	9	190
	Canadian Pacific	118	5	83	22	-	1	24	1	12	72	4	70
	CSX Transportation	1,494	136	720	386	-	17	476	52	133	632	84	570
	Kansas City Southern	264	13	118	85	-	2	104	4	46	75	9	70
	Norfolk Southern Corp.	1,261	118	615	252	-	4	476	42	143	533	76	468
	Union Pacific	2,701	226	1,434	880	3	61	586	96	223	1,235	127	1,150
2	Alton & Southern	18	1	7	11	-	1	-	-	-	7	1	6
	Alaska RR Corp.	25	-	23	1	-	-	1	-	-	23	-	23
	Buffalo & Pittsburg	11	1	5	3	-	-	3	-	1	5	1	4
	Belt Rwy Of Chicago	36	-	15	20	-	-	1	-	-	15	-	15
	Conrail Shared Assets	86	1	36	29	-	-	26	-	6	31	1	30
	Dakota, Minnesota & Eastern	112	1	52	34	-	1	35	1	8	43	-	43
	Elgin, Joliet & Eastern	38	-	27	8	-	-	6	-	3	24	-	24
	Florida East Coast	72	18	19	12	-	-	33	4	6	27	14	13
	Grand Canyon Railway	33	-	33	-	-	-	-	-	-	33	-	33
	Guilford Rail System	24	2	12	10	-	-	-	-	-	14	2	12
	Indiana Harbor Belt	36	1	18	14	-	-	5	-	2	17	1	16
	Long Island Rail Road	389	3	372	9	-	2	10	2	1	370	1	369
	MD Assn. of Rail Comm	13	2	8	3	-	-	-	-	-	10	2	8
	Mass Bay Transit Auth.	122	9	136	1	-	-	6	2	28	115	7	108
	Montreal, Maine & Atlantic	20	1	11	6	-	-	4	1	1	10	-	10
	Metro North Commuter	307	2	255	50	-	2	3	-	1	254	2	252
	Montana Rail Link	77	-	48	22	-	-	9	-	2	46	-	46
	Northern IN Comm Trans	24	-	20	2	-	-	5	-	3	17	-	17
	Northeast IL Reg Comm	242	8	240	4	-	1	25	5	26	213	3	213
	New Jersey Transit Rail	260	10	219	34	-	4	10	3	5	216	7	210
	Paducah & Louisville	26	2	18	5	-	3	10	1	5	11	1	10
	Port Auth Trans Hudson	145	-	146	1	-	-	-	-	-	144	-	146
	Peninsula Comm San Mateo Cnty	48	17	24	3	-	-	12	6	2	33	11	22
	Port Terminal RR Assn	18	-	10	7	-	-	2	-	1	9	-	9
	Southern CA Reg Rail Auth.	43	9	21	2	-	-	19	4	3	22	5	18
	Southeastern PA Trans.	321	2	351	9	-	42	1	-	-	311	2	309
	Term RR Assn Of St. Louis	20	-	3	14	-	-	3	-	-	3	-	3
	Union RR (Pittsburgh)	14	-	9	5	-	-	-	-	-	9	-	9
	Wheeling & Lake Erie	36	1	11	16	-	-	12	1	3	8	-	8
	Wisconsin & Southern RR	35	1	25	5	-	-	7	1	2	23	-	23
3	Other Railroads	1,469	31	816	383	-	9	348	18	75	738	13	732

Highway-Rail Counts Are Excluded From Other Categories

TABLE 2-7
ACCIDENT/INCIDENT RATES BY RAILROAD, 2006

	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	33.07	2.70	3.26	3.48	26.88	2.44	5.93	1.25	16.82	1.88
	Burlington Northern Santa Fe	10.02	3.21	1.50	1.96	4.85	0.90	.	.	23.46	1.56
	Canadian National	20.64	4.60	2.27	6.83	9.20	0.84	.	.	13.65	2.13
	Canadian Pacific	9.91	1.85	1.85	2.02	6.05	0.42	.	.	5.47	1.03
	CSX Transportation	13.79	3.56	1.46	4.39	5.83	1.29	.	.	18.05	1.88
	Kansas City Southern	22.73	7.32	1.57	8.95	6.46	1.72	.	.	18.09	4.46
	Norfolk Southern Corp.	11.98	2.39	1.05	4.52	5.06	1.32	.	.	9.27	1.32
	Union Pacific	13.29	4.33	1.88	2.88	6.08	1.31	.	.	31.48	2.04
2	Alton & Southern	17.52	10.71	2.31	.	6.81	.	.	.	9.73	.
	Alaska RR Corp.	16.36	0.65	2.70	0.65	15.05	.	3.74	.	.	1.23
	Buffalo & Pittsburgh	23.71	6.47	1.44	6.47	10.78	2.16	.	.	7.66	6.00
	Belt Rwy Of Chicago	71.91	39.95	2.92	2.00	29.96	.	.	.	32.50	127.59
	Conrail Shared Assets	28.95	9.76	1.16	8.75	10.44	1.68	.	.	13.23	5.35
	Dakota, Minnesota & Eastern	33.75	10.24	3.83	10.55	12.96	0.90	.	.	17.62	9.07
	Elgin, Joliet & Eastern	50.11	10.55	3.17	7.91	31.65	.	.	.	21.12	4.22
	Florida East Coast	27.11	4.52	0.61	12.43	10.17	7.53	.	.	15.21	2.65
	Grand Canyon Railway	431.30	.	8.83	.	431.30	.	6.31	.	.	.
	Guilford Rail System	16.49	6.87	1.39	.	9.62	1.37	.	.	1.67	10.53
	Indiana Harbor Belt	24.91	9.69	1.77	3.46	11.76	2.08	.	.	10.51	8.09
	Long Island Rail Road	46.12	1.07	2.81	1.19	43.87	.	4.62	0.12	.	0.24
	MD Assn. of Rail Comm	10.86	2.51	0.75	.	8.35	2.51	2.23	0.89	240.67	1.68
	Mass Bay Transit Auth.	30.91	0.25	4.25	1.52	29.14	1.52	10.58	0.25	.	0.25
	Montreal, Maine & Atlantic	46.51	13.95	3.84	9.30	23.25	.	.	.	26.14	9.51
	Metro North Commuter	33.05	5.38	3.06	0.32	27.34	0.54	0.68	3.44	.	4.20
	Montana Rail Link	18.81	5.37	4.34	2.20	11.23	0.24	.	.	19.55	3.58
	Northern IN Comm Trans	31.75	2.65	0.97	6.61	22.49	.	5.80	1.32	.	1.32
	Northeast IL Reg Comm	25.34	0.42	2.26	2.62	22.30	0.84	5.53	.	1.31	0.25
	New Jersey Transit Rail	27.30	3.57	3.30	1.05	22.68	1.57	1.57	1.05	58.83	1.52
	Paducah & Louisville	44.28	8.52	4.67	17.03	18.73	3.41	.	.	29.91	2.21
	Port Auth Trans Hudson	68.06	0.47	8.74	.	67.59	.	1.20	.	3.59	.
	Peninsula Comm San Mateo Cnty	33.81	2.11	2.09	8.45	23.24	9.86	1.39	0.72	51.82	0.72
	Port Terminal RR Assn	14.06	5.47	2.80	1.56	7.03	.	.	.	5.47	.
	Southern CA Reg Rail Auth.	18.76	0.87	2.11	8.29	9.60	2.18	.	0.44	.	0.44
	Southeastern PA Trans.	61.27	1.72	11.43	0.19	59.36	0.57	20.45	1.72	.	1.53
	Term RR Assn Of St. Louis	29.10	20.37	1.01	4.37	4.37	.	.	.	13.10	.
	Union RR (Pittsburgh)	110.07	39.31	2.27	.	70.76	.	.	.	31.45	.
	Wheeling & Lake Erie	27.43	12.19	1.79	9.14	6.09	.	.	.	45.51	5.49
	Wisconsin & Southern RR	106.98	15.28	9.42	21.40	70.30	.	.	.	14.67	15.44
3	Other Railroads	49.08	12.80	4.84	11.63	24.66	1.17	6.33	0.37	13.53	12.46

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, 2006

	Railroads	Train Miles	Hours	Total Rate	Train Acc Rate	EOD Rate	HRC Rate	Other Events	Tres Rate
1	ATK - Amtrak	5	5	33	3	3	3	27	2
	BNSF - Burlington Northern Santa Fe	2	2	10	3	1	2	5	1
	CN - Canadian National	6	6	21	5	2	7	9	1
	CP - Canadian Pacific	7	7	10	2	2	2	6	0
	CSX - CSX Transportation	3	3	14	4	1	4	6	1
	KCS - Kansas City Southern	8	8	23	7	2	9	6	2
	NS - Norfolk Southern Corp.	4	4	12	2	1	5	5	1
	UP - Union Pacific	1	1	13	4	2	3	6	1
2	ALS - Alton & Southern	20	20	18	11	2	0	7	0
	ARR - Alaska RR Corp.	13	13	16	1	3	1	15	0
	BPRR - Buffalo & Pittsburg	26	30	24	6	1	6	11	2
	BRC - Belt Rwy Of Chicago	25	16	72	40	3	2	30	0
	CRSH - Conrail Shared Assets	9	7	29	10	1	9	10	2
	DME - Dakota, Minnesota & Eastern	8	8	34	10	4	11	13	1
	EJE - Elgin, Joliet & Eastern	21	15	50	11	3	8	32	0
	FEC - Florida East Coast	10	12	27	5	1	12	10	8
	GCRX - Grand Canyon Railway	30	24	431	0	9	0	431	0
	GRS - Guilford Rail System	14	11	16	7	1	0	10	1
	IHB - Indiana Harbor Belt	15	14	25	10	2	3	12	2
	LI - Long Island Rail Road	4	1	46	1	3	1	44	0
	MACZ - MD Assn. of Rail Comm	19	26	11	3	1	0	8	3
	MBTA - Mass Bay Transit Auth.	7	5	31	0	4	2	29	2
	MMA - Montreal, Maine & Atlantic	27	27	47	14	4	9	23	0
	MNCW - Metro North Commuter	3	2	33	5	3	0	27	1
	MRL - Montana Rail Link	6	9	19	5	4	2	11	0
	NICD - Northern IN Comm Trans	22	23	32	3	1	7	22	0
	NIRC - Northeast IL Reg Comm	1	4	25	0	2	3	22	1
	NJTR - New Jersey Transit Rail	2	3	27	4	3	1	23	2
	PAL - Paducah & Louisville	24	28	44	9	5	17	19	3
	PATH - Port Auth Trans Hudson	12	10	68	0	9	0	68	0
	PCMZ - Peninsula Comm San Mateo Cnty	16	19	34	2	2	8	23	10
	PTRA - Port Terminal RR Assn	18	22	14	5	3	2	7	0
	SCAX - Southern CA Reg Rail Auth.	11	21	19	1	2	8	10	2
	SEPA - Southeastern PA Trans.	5	6	61	2	11	0	59	1
	TRRA - Term RR Assn Of St. Louis	23	25	29	20	1	4	4	0
	URR - Union RR (Pittsburgh)	29	18	110	39	2	0	71	0
	WE - Wheeling & Lake Erie	17	17	27	12	2	9	6	0
	WSOR - Wisconsin & Southern RR	28	29	107	15	9	21	70	0

TABLE 2-9
OPERATIONAL DATA, BY RAILROAD, 2006

Railroads	Total Train Miles	%	Employee Hours Worked	%	Freight Train Miles	Passenger Train Miles	Yard Switching Miles	Other Train Miles	Psgrs Carried	Psgr Miles
ALS	1,027,464	0.13	691,552	0.14	-	-	1,027,464	-	-	-
ARR	1,528,291	0.19	1,629,455	0.34	608,386	206,551	713,354	-	176,670	27
ATK	38,164,704	4.72	36,105,500	7.43	-	36,084,000	2,080,704	-	24,548,275	5,410
BNSF	200,210,260	24.75	86,394,018	17.79	185,121,817	-	15,088,443	-	-	-
BPRR	463,938	0.06	417,600	0.09	333,471	-	130,467	-	-	-
BRC	500,656	0.06	957,296	0.20	39,187	-	461,469	-	-	-
CN	21,514,995	2.66	15,169,497	3.12	16,877,011	-	4,616,692	21,292	-	-
CP	11,901,691	1.47	7,224,451	1.49	9,707,784	-	2,193,907	-	-	-
CRSH	2,970,612	0.37	2,236,511	0.46	1,307,268	-	1,663,344	-	-	-
CSX	108,362,974	13.39	67,874,578	13.98	97,118,023	-	11,244,951	-	-	-
DME	3,318,995	0.41	2,088,144	0.43	2,865,059	-	453,936	-	-	-
EJE	758,325	0.09	1,451,991	0.30	474,225	-	284,100	-	-	-
FEC	2,655,385	0.33	1,643,347	0.34	2,261,019	-	394,366	-	-	-
GCRX	76,512	0.01	611,693	0.13	-	71,674	2,220	2,618	546,371	32
GRS	1,455,022	0.18	1,722,638	0.35	854,592	-	600,430	-	-	-
IHB	1,445,490	0.18	1,584,233	0.33	494,250	-	951,240	-	-	-
KCS	11,616,923	1.44	6,760,749	1.39	9,184,617	-	2,432,306	-	-	-
LI	8,433,967	1.04	12,873,884	2.65	-	8,433,967	-	-	82,036,736	2,206
MACZ	1,196,962	0.15	534,067	0.11	-	1,128,524	4,155	64,283	7,395,279	225
MBTA	3,946,962	0.49	3,480,010	0.72	-	3,946,962	-	-	38,310,700	435
MMA	430,046	0.05	521,338	0.11	315,296	-	114,750	-	-	-
MNCW	9,289,319	1.15	12,239,409	2.52	-	9,289,319	-	-	75,043,975	2,208
MRL	4,094,581	0.51	2,071,916	0.43	3,634,192	-	460,389	-	-	-
NICD	755,933	0.09	621,458	0.13	-	755,933	-	-	4,423,309	138
NIRC	9,550,731	1.18	8,053,895	1.66	774,284	7,212,840	1,532,148	31,459	79,498,253	1,791
NJTR	9,523,828	1.18	9,327,175	1.92	-	8,595,070	339,936	588,822	71,000,500	1,781
NS	105,234,463	13.01	63,707,375	13.12	90,999,841	-	14,234,622	-	-	-
PAL	587,194	0.07	513,960	0.11	453,460	-	133,734	-	-	-
PATH	2,130,508	0.26	2,036,414	0.42	-	1,851,848	278,660	-	76,119,197	333
PCMZ	1,419,848	0.18	763,774	0.16	-	1,381,256	38,592	-	10,510,344	216
PTRA	1,279,872	0.16	642,258	0.13	-	-	1,279,872	-	-	-
SCAX	2,292,461	0.28	662,472	0.14	-	2,292,461	-	-	10,797,672	375
SEPA	5,238,830	0.65	3,412,112	0.70	-	5,238,830	-	-	30,922,783	421
TRRA	687,204	0.08	592,691	0.12	-	-	687,204	-	-	-
UP	203,283,356	25.13	100,702,269	20.73	184,308,553	-	15,789,241	3,185,562	-	-
URR	127,191	0.02	794,378	0.16	-	-	127,191	-	-	-
WE	1,312,666	0.16	892,014	0.18	1,092,915	-	219,751	-	-	-
WSOR	327,157	0.04	467,009	0.10	255,967	-	68,155	3,035	-	-
XXXX	29,929,572	3.70	26,209,812	5.40	14,963,190	5,463,966	9,384,521	117,895	37,226,442	616
Total	809,044,888	100.0	485,682,943	100.0	624,044,407	91,953,201	89,032,314	4,014,966	548,556,506	16,212

XXXX = all other railroads

TABLE 2-10
OPERATIONAL DATA, BY MONTH, 2006

Months	Total Train Miles	%	Employee Hours Worked	%	Freight Train Miles	Passenger Train Miles	Yard Switching Miles	Other Train Miles	Psgs Carried	Psgs Carried Millions
January	67,610,091	8.36	40,349,522	8.31	52,118,969	7,504,029	7,645,172	341,921	42,259,098	1,205
February	61,500,052	7.60	37,396,991	7.70	47,283,400	6,856,803	7,043,464	316,385	39,667,608	1,131
March	69,325,895	8.57	42,329,565	8.72	53,304,088	7,825,681	7,859,704	336,422	46,597,349	1,340
April	66,747,433	8.25	39,572,536	8.15	51,708,619	7,385,838	7,332,691	320,285	43,327,069	1,302
May	69,620,701	8.61	42,137,428	8.68	53,783,952	7,810,412	7,646,066	380,271	47,094,702	1,382
June	67,261,798	8.31	41,328,158	8.51	51,766,772	7,750,639	7,404,854	339,533	47,607,542	1,452
July	67,484,995	8.34	40,170,627	8.27	52,189,053	7,703,348	7,246,466	346,128	46,217,935	1,464
August	69,903,424	8.64	43,123,508	8.88	53,797,184	8,081,772	7,671,493	352,975	48,612,506	1,496
September	67,331,516	8.32	40,363,200	8.31	52,149,335	7,585,881	7,277,266	319,034	45,763,975	1,322
October	70,289,020	8.69	42,194,440	8.69	54,387,063	7,972,030	7,591,734	338,193	48,300,252	1,397
November	66,372,204	8.20	39,276,751	8.09	51,187,917	7,694,052	7,168,943	321,292	46,990,334	1,361
December	65,597,759	8.11	37,440,217	7.71	50,368,055	7,782,716	7,144,461	302,527	46,118,136	1,359
Total	809,044,888	100.0	485,682,943	100.0	624,044,407	91,953,201	89,032,314	4,014,966	548,556,506	16,212

TABLE 2-11
SUMMARY OF ACCIDENTS/INCIDENTS BY STATE, 2006

States	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
Alabama	315	21	157	80	-	5	127	11	49	108	10	103
Alaska	42	-	40	1	-	-	1	-	-	40	0	40
Arizona	205	27	117	36	-	3	48	6	11	121	21	103
Arkansas	274	15	141	77	-	2	80	9	27	117	6	112
California	902	130	523	189	3	10	169	37	38	544	90	475
Colorado	228	17	152	60	-	-	45	10	32	123	7	120
Connecticut	140	2	100	34	-	1	8	-	3	98	2	96
Delaware	68	2	56	7	-	-	7	-	4	54	2	52
Dist Of Columbia	153	-	139	13	-	-	1	-	-	139	0	139
Florida	344	38	186	46	-	-	118	10	34	180	28	152
Georgia	360	16	174	86	-	3	134	8	37	140	8	134
Hawaii	3	-	2	0	-	-	1	-	-	2	0	2
Idaho	103	5	53	29	-	-	22	3	2	52	2	51
Illinois	1,072	53	766	233	-	42	174	25	73	665	28	651
Indiana	373	23	205	62	-	3	139	13	37	172	10	165
Iowa	246	8	118	81	-	2	69	6	18	96	2	98
Kansas	277	24	147	99	-	4	57	15	27	121	9	116
Kentucky	215	19	129	46	-	7	67	8	29	102	11	93
Louisiana	364	23	200	92	-	2	144	8	75	128	15	123
Maine	43	5	22	13	-	-	7	1	2	23	4	20
Maryland	122	11	68	32	-	3	24	1	7	66	10	58
Massachusetts	194	16	180	19	-	-	11	2	30	164	14	150
Michigan	246	23	139	43	-	2	82	10	29	121	13	108
Minnesota	242	20	137	57	-	-	61	12	17	124	8	120
Mississippi	170	17	85	36	-	-	82	13	37	52	4	48
Missouri	254	20	156	62	-	4	60	7	26	132	13	126
Montana	150	5	98	42	-	1	19	1	7	89	4	90
Nebraska	300	8	198	92	-	3	37	5	19	171	3	176
Nevada	68	6	41	19	-	-	4	-	1	45	6	40
New Hampshire	7	-	6	0	-	-	2	-	1	5	0	5
New Jersey	468	20	377	53	-	2	43	9	11	372	11	364
New Mexico	94	9	60	29	-	1	10	5	6	55	4	53
New York	929	16	813	97	-	7	32	5	10	800	11	796
North Carolina	207	29	105	31	-	1	75	8	22	101	21	82
North Dakota	80	2	50	21	-	1	12	-	4	47	2	45
Ohio	408	41	208	89	-	3	128	17	36	191	24	169
Oklahoma	198	21	100	62	-	-	70	16	36	66	5	64
Oregon	197	8	109	64	-	1	28	1	9	105	7	99
Pennsylvania	699	21	583	101	-	42	62	4	12	536	17	529
Rhode Island	21	2	18	3	-	2	-	-	-	18	2	16
South Carolina	132	21	77	17	-	1	47	12	14	68	9	62
South Dakota	52	2	34	10	-	1	16	2	7	26	0	26
Tennessee	240	22	117	68	-	2	68	8	20	104	14	95
Texas	1,198	93	653	354	3	27	339	44	149	505	46	477
Utah	87	2	39	36	-	-	14	-	3	37	2	36
Vermont	18	-	14	3	-	-	3	-	2	12	0	12
Virginia	209	7	121	53	-	6	43	-	7	113	7	108
Washington	264	21	163	59	-	9	50	7	11	155	14	143
West Virginia	116	9	59	30	-	1	32	4	8	54	5	50
Wisconsin	190	10	112	28	-	-	58	6	12	104	4	100
Wyoming	142	-	85	57	-	2	4	-	1	81	0	82
Total	13,429	910	8,432	2,951	6	206	2,934	369	1,052	7,544	535	7,174

CHAPTER 3

CASUALTY REPORTING

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

Any event connected with the operation of a railroad that results in one or more of the following consequences must be reported on Form FRA F 6180.55a:

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

A railroad need not report the following:

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

Requirements in effect May 1, 2003.

Each event or exposure arising from the operation of a railroad shall be reported on Form FRA F 6180.55a if the event or exposure is a discernable cause of one or more of the following 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:
 - i. A day away from work;

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

Event or exposure arising from the operation of a railroad includes–

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

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

A railroad need not report the following:

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

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TABLE 3-1
CASUALTIES BY TYPE PERSON AND PRIMARY EVENT, 2006

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)	16	5,042	16	5,212	.	98	4	93	12	5,021
B - Employee not on duty	.	160	.	169	.	.	.	2	.	167
C - Passenger on train	2	618	2	757	.	56	.	87	2	614
D - Nontrespasser	190	917	232	1,098	.	1	230	626	2	471
E - Trespasser	628	614	651	702	4	4	133	228	514	470
F - Worker on duty(contractor)	3	189	4	196	2	2	.	.	2	194
G - Contractor(other)	3	202	3	208	.	.	.	.	3	208
H - Worker on duty(volunteer)	.	3	.	3	.	.	.	.	.	3
I - Volunteer(other)	.	4	.	4	.	.	.	.	.	4
J - Nontrespasser, off rr property	1	27	2	83	.	45	2	16	.	22
Total.	843	7,776	910	8,432	6	206	369	1,052	535	7,174

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, 2006

			Type Person Codes						
	Total	%	A	C	D	E	F	G	J
Alton & Southern	1	0.1	1	-	-	-	-	-	-
Amtrak	118	13.0	-	-	21	96	1	-	-
Burlington Northern Santa Fe	144	15.8	2	-	44	96	-	2	-
Buffalo & Pittsburg	1	0.1	-	-	-	1	-	-	-
Canadian National	27	3.0	-	-	16	11	-	-	-
Canadian Pacific	5	0.5	1	-	1	3	-	-	-
Conrail Shared Assets	1	0.1	-	-	-	1	-	-	-
CSX Transportation	136	14.9	2	-	31	103	-	-	-
Dakota,Minnesota & Eastern	1	0.1	-	-	-	1	-	-	-
Florida East Coast	18	2.0	1	-	2	15	-	-	-
Guilford Rail System	2	0.2	-	-	-	2	-	-	-
Indiana Harbor Belt	1	0.1	-	-	-	1	-	-	-
Kansas City Southern	13	1.4	-	-	4	9	-	-	-
Long Island Rail Road	3	0.3	-	1	-	2	-	-	-
MD Assn. of Rail Comm	2	0.2	-	-	-	2	-	-	-
Mass Bay Transit Auth.	9	1.0	1	-	-	8	-	-	-
Montreal, Maine & Atlantic	1	0.1	-	-	1	-	-	-	-
Metro North Commuter	2	0.2	-	-	1	1	-	-	-
Northeast IL Reg Comm	8	0.9	1	-	-	7	-	-	-
New Jersey Transit Rail	10	1.1	-	1	-	9	-	-	-
Norfolk Southern Corp.	118	13.0	1	-	30	87	-	-	-
Paducah & Louisville	2	0.2	-	-	-	2	-	-	-
Peninsula Comm San Mateo Cnty	17	1.9	-	-	-	17	-	-	-
Southern CA Reg Rail Auth.	9	1.0	-	-	-	9	-	-	-
Southeastern PA Trans.	2	0.2	-	-	-	2	-	-	-
Union Pacific	226	24.8	5	-	73	144	3	1	-
Wheeling & Lake Erie	1	0.1	-	-	-	1	-	-	-
Wisconsin & Southern RR	1	0.1	-	-	1	-	-	-	-
Other Railroads	31	3.4	1	-	7	21	-	-	2
Total	910	100	16	2	232	651	4	3	2

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

TABLE 3-3
FATALITIES BY TYPE PERSON KILLED AND STATE, 2006

States			Type Person Codes						
	Total	%	A	C	D	E	F	G	J
Alabama	21	2.3	-	-	8	13	-	-	-
Arizona	27	3.0	-	-	2	24	1	-	-
Arkansas	15	1.6	-	-	7	8	-	-	-
California	130	14.3	3	-	6	119	2	-	-
Colorado	17	1.9	-	-	8	9	-	-	-
Connecticut	2	0.2	-	-	-	2	-	-	-
Delaware	2	0.2	-	-	-	2	-	-	-
Florida	38	4.2	1	-	2	35	-	-	-
Georgia	16	1.8	-	-	7	9	-	-	-
Idaho	5	0.5	-	-	3	2	-	-	-
Illinois	53	5.8	3	-	14	36	-	-	-
Indiana	23	2.5	-	-	8	15	-	-	-
Iowa	8	0.9	1	-	5	1	-	1	-
Kansas	24	2.6	-	-	14	10	-	-	-
Kentucky	19	2.1	-	-	6	13	-	-	-
Louisiana	23	2.5	-	-	6	16	1	-	-
Maine	5	0.5	-	-	1	4	-	-	-
Maryland	11	1.2	-	-	-	11	-	-	-
Massachusetts	16	1.8	1	-	-	15	-	-	-
Michigan	23	2.5	1	-	8	14	-	-	-
Minnesota	20	2.2	1	-	8	10	-	1	-
Mississippi	17	1.9	-	-	12	5	-	-	-
Missouri	20	2.2	-	-	7	12	-	1	-
Montana	5	0.5	-	-	1	4	-	-	-
Nebraska	8	0.9	-	-	5	3	-	-	-
Nevada	6	0.7	-	-	-	6	-	-	-
New Jersey	20	2.2	-	1	2	15	-	-	2
New Mexico	9	1.0	-	-	5	4	-	-	-
New York	16	1.8	2	1	2	11	-	-	-
North Carolina	29	3.2	-	-	6	23	-	-	-
North Dakota	2	0.2	-	-	-	2	-	-	-
Ohio	41	4.5	-	-	9	32	-	-	-
Oklahoma	21	2.3	-	-	14	7	-	-	-
Oregon	8	0.9	-	-	1	7	-	-	-
Pennsylvania	21	2.3	-	-	-	21	-	-	-
Rhode Island	2	0.2	-	-	-	2	-	-	-
South Carolina	21	2.3	-	-	4	17	-	-	-
South Dakota	2	0.2	-	-	-	2	-	-	-
Tennessee	22	2.4	1	-	6	15	-	-	-
Texas	93	10.2	-	-	32	61	-	-	-
Utah	2	0.2	1	-	-	1	-	-	-
Virginia	7	0.8	-	-	-	7	-	-	-
Washington	21	2.3	1	-	6	14	-	-	-
West Virginia	9	1.0	-	-	2	7	-	-	-
Wisconsin	10	1.1	-	-	5	5	-	-	-
Total	910	100.0	16	2	232	651	4	3	2

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

TABLE 3-4
NONFATAL CONDITIONS BY TYPE PERSON AND RAILROAD, 2006

	Total %		Type Person Codes									
			A	B	C	D	E	F	G	H	I	J
Alton & Southern	7	0.1	7	-	-	-	-	-	-	-	-	-
Alaska RR Corp.	23	0.3	22	-	1	-	-	-	-	-	-	-
Amtrak	1,092	13.0	589	22	321	99	45	5	-	-	-	11
Burlington Northern Santa Fe	1,149	13.6	645	47	-	138	154	22	138	-	-	5
Buffalo & Pittsburgh	5	0.1	3	-	-	1	-	1	-	-	-	-
Belt Rwy Of Chicago	15	0.2	14	1	-	-	-	-	-	-	-	-
Canadian National	231	2.7	172	3	-	39	9	6	2	-	-	-
Canadian Pacific	83	1.0	66	1	-	9	5	1	-	-	-	1
Conrail Shared Assets	36	0.4	13	2	-	14	4	3	-	-	-	-
CSX Transportation	720	8.5	493	23	-	99	80	14	7	-	-	4
Dakota, Minnesota & Eastern	52	0.6	40	-	-	-	11	-	1	-	-	-
Elgin, Joliet & Eastern	27	0.3	23	1	-	2	-	-	1	-	-	-
Florida East Coast	19	0.2	4	-	-	6	6	-	3	-	-	-
Grand Canyon Railway	33	0.4	27	-	2	4	-	-	-	-	-	-
Guilford Rail System	12	0.1	12	-	-	-	-	-	-	-	-	-
Indiana Harbor Belt	18	0.2	14	1	-	1	2	-	-	-	-	-
Kansas City Southern	118	1.4	53	-	-	42	11	11	-	-	-	1
Long Island Rail Road	372	4.4	181	1	101	87	1	-	1	-	-	-
MD Assn. of Rail Comm	8	0.1	2	-	5	-	1	-	-	-	-	-
Mass Bay Transit Auth.	136	1.6	73	-	46	15	-	-	-	-	-	2
Montreal, Maine & Atlantic	11	0.1	10	-	-	1	-	-	-	-	-	-
Metro North Commuter	255	3.0	187	4	15	40	5	-	4	-	-	-
Montana Rail Link	48	0.6	45	-	-	2	1	-	-	-	-	-
Northern IN Comm Trans	20	0.2	3	-	8	8	1	-	-	-	-	-
Northeast IL Reg Comm	240	2.8	90	3	99	24	14	-	2	-	-	8
New Jersey Transit Rail	219	2.6	154	7	27	11	12	-	8	-	-	-
Norfolk Southern Corp.	615	7.3	335	12	-	120	83	44	20	-	-	1
Paducah & Louisville	18	0.2	12	-	-	-	6	-	-	-	-	-
Port Auth Trans Hudson	146	1.7	89	-	4	34	-	19	-	-	-	-
Peninsula Comm San Mateo Cnty	24	0.3	8	-	3	3	5	5	-	-	-	-
Port Terminal RR Assn	10	0.1	9	-	-	-	1	-	-	-	-	-
Southern CA Reg Rail Auth.	21	0.2	7	-	-	-	3	10	1	-	-	-
Southeastern PA Trans.	351	4.2	195	1	86	68	1	-	-	-	-	-
Term RR Assn Of St. Louis	3	0.0	3	-	-	-	-	-	-	-	-	-
Union Pacific	1,434	17.0	940	37	-	168	202	30	11	-	-	46
Union RR (Pittsburgh)	9	0.1	9	-	-	-	-	-	-	-	-	-
Wheeling & Lake Erie	11	0.1	8	-	-	-	3	-	-	-	-	-
Wisconsin & Southern RR	25	0.3	22	-	-	2	-	1	-	-	-	-
Other Railroads	816	9.7	633	3	39	61	36	24	9	3	4	4
Total	8,432	100	5,212	169	757	1,098	702	196	208	3	4	83

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

TABLE 3-5
NONFATAL CONDITIONS BY TYPE PERSON AND STATE, 2006

			Type Person Codes									
	Total	%	A	B	C	D	E	F	G	H	I	J
Alabama	157	1.9	99	2	2	32	17	2	3	-	-	-
Alaska	40	0.5	34	-	6	-	-	-	-	-	-	-
Arizona	117	1.4	64	4	9	8	29	-	1	-	-	2
Arkansas	141	1.7	96	2	6	27	9	-	1	-	-	-
California	523	6.2	300	13	32	24	86	28	32	-	2	6
Colorado	152	1.8	91	5	17	23	13	-	3	-	-	-
Connecticut	100	1.2	82	2	6	6	4	-	-	-	-	-
Delaware	56	0.7	46	1	3	5	1	-	-	-	-	-
Dist Of Columbia	139	1.6	127	2	4	3	1	2	-	-	-	-
Florida	186	2.2	75	5	28	28	29	3	9	-	-	9
Georgia	174	2.1	103	6	4	25	24	5	7	-	-	-
Hawaii	2	0.0	2	-	-	-	-	-	-	-	-	-
Idaho	53	0.6	47	2	-	1	-	3	-	-	-	-
Illinois	766	9.1	385	13	121	85	49	24	41	1	-	47
Indiana	205	2.4	139	5	7	31	18	3	2	-	-	-
Iowa	118	1.4	89	2	4	12	9	-	1	-	-	1
Kansas	147	1.7	89	1	1	15	25	3	13	-	-	-
Kentucky	129	1.5	81	-	1	22	16	7	2	-	-	-
Louisiana	200	2.4	98	2	16	55	21	5	2	-	-	1
Maine	22	0.3	20	-	-	1	-	-	-	-	-	1
Maryland	68	0.8	42	-	12	10	2	1	-	-	-	1
Massachusetts	180	2.1	115	1	47	14	1	-	-	-	-	2
Michigan	139	1.6	93	-	16	21	2	5	2	-	-	-
Minnesota	137	1.6	102	4	5	13	11	-	2	-	-	-
Mississippi	85	1.0	33	3	4	32	8	4	1	-	-	-
Missouri	156	1.9	99	1	9	19	14	6	8	-	-	-
Montana	98	1.2	71	4	8	7	6	-	2	-	-	-
Nebraska	198	2.3	143	17	2	21	5	3	6	-	1	-
Nevada	41	0.5	27	-	2	4	7	-	1	-	-	-
New Hampshire	6	0.1	5	-	-	-	1	-	-	-	-	-
New Jersey	377	4.5	254	8	28	46	13	24	4	-	-	-
New Mexico	60	0.7	32	3	6	4	12	2	1	-	-	-
New York	813	9.6	497	14	129	151	9	7	5	-	-	1
North Carolina	105	1.2	49	2	18	19	16	-	-	-	-	1
North Dakota	50	0.6	36	1	2	7	1	-	3	-	-	-
Ohio	208	2.5	139	3	3	24	23	10	2	1	-	3
Oklahoma	100	1.2	53	1	1	26	13	1	5	-	-	-
Oregon	109	1.3	77	-	6	8	7	8	3	-	-	-
Pennsylvania	583	6.9	353	5	100	90	24	6	5	-	-	-
Rhode Island	18	0.2	12	-	2	1	1	2	-	-	-	-
South Carolina	77	0.9	34	2	10	10	17	2	2	-	-	-
South Dakota	34	0.4	24	-	-	6	4	-	-	-	-	-
Tennessee	117	1.4	70	5	-	19	7	7	9	-	-	-
Texas	653	7.7	375	13	27	94	110	12	14	-	-	8
Utah	39	0.5	32	1	3	3	-	-	-	-	-	-
Vermont	14	0.2	11	-	-	-	3	-	-	-	-	-
Virginia	121	1.4	64	1	28	10	11	3	4	-	-	-
Washington	163	1.9	105	6	15	14	14	-	8	1	-	-
West Virginia	59	0.7	45	3	-	8	1	1	-	-	1	-
Wisconsin	112	1.3	81	1	7	13	8	2	-	-	-	-
Wyoming	85	1.0	72	3	-	1	-	5	4	-	-	-
Total	8,432	100.0	5,212	169	757	1,098	702	196	208	3	4	83

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

TABLE 3-6
REPORTABLE CONDITIONS, ALL TYPE PERSONS, 2006

Condition	Cnt	%	Type Person Codes									
			A	B	C	D	E	F	G	H	I	J
Bruise/contusion	1,366	14.6	676	24	176	279	123	33	35	-	2	18
Occ. Illness	277	3.0	267	4	-	-	-	4	2	-	-	-
Occ. illness,FATAL****	1	0.0	-	-	-	-	-	-	1	-	-	-
Crushing injury	132	1.4	70	2	1	7	35	9	8	-	-	-
Sprain/Str., other	52	0.6	37	1	2	6	5	-	1	-	-	-
Sprain/Str.,arm/hand	262	2.8	220	3	12	11	-	8	8	-	-	-
Sprain/Str.,leg/foot	905	9.7	682	37	83	61	8	17	15	-	-	2
Sprain/Str.,head/face	299	3.2	187	14	34	34	12	8	7	-	-	3
Sprain/Str.,torso	1,525	16.3	1,265	25	97	74	16	22	21	-	-	5
Cut/abrasion	1,173	12.6	646	27	130	165	113	40	50	1	-	1
Puncture wound	80	0.9	72	-	3	2	2	1	-	-	-	-
Needle stick	7	0.1	6	-	-	-	-	1	-	-	-	-
Electric shock/burn	39	0.4	26	-	1	1	7	2	2	-	-	-
Other burn	74	0.8	55	3	2	4	3	2	5	-	-	-
Dislocation	77	0.8	50	3	11	9	1	1	1	1	-	-
Fracture,other	4	0.0	4	-	-	-	-	-	-	-	-	-
Fracture,arm/hand	359	3.8	227	4	40	42	29	7	8	-	-	2
Fracture,leg/foot	317	3.4	133	5	49	71	39	8	12	-	-	-
Fracture,head/face	56	0.6	14	-	8	15	15	3	1	-	-	-
Fracture,torso	182	1.9	71	2	30	42	26	4	5	1	1	-
Fracture,multiple	16	0.2	1	-	-	8	6	1	-	-	-	-
Rupture/tear, tendon, e	75	0.8	58	4	5	6	-	1	1	-	-	-
Gunshot/knife wound	7	0.1	6	-	-	-	-	1	-	-	-	-
Animal/snake/insect bit	60	0.6	52	2	2	1	1	1	1	-	-	-
Dental related	32	0.3	17	-	8	4	1	1	1	-	-	-
Amputation,other	2	0.0	1	-	-	-	1	-	-	-	-	-
Amputation,arm/hand	45	0.5	24	-	-	-	19	1	1	-	-	-
Amputation,leg/foot	65	0.7	7	-	-	1	54	2	-	-	-	1
Fatality	909	9.7	16	-	2	232	651	4	2	-	-	2
Object in eye	104	1.1	85	4	9	1	-	4	1	-	-	-
Hernia	35	0.4	34	-	-	1	-	-	-	-	-	-
Concussion	77	0.8	27	-	6	30	7	3	3	-	1	-
Nervous shock	2	0.0	1	-	-	1	-	-	-	-	-	-
Internal injury	65	0.7	12	1	9	24	17	1	-	-	-	1
Skin reaction	54	0.6	19	-	-	-	-	-	-	-	-	35
One-time exp. to noise	11	0.1	9	-	1	1	-	-	-	-	-	-
Unspecified injury	527	5.6	84	4	38	197	162	9	19	-	-	14
One-time exp.-fumes	69	0.7	67	-	-	-	-	1	-	-	-	1
Total	9,342	100.0	5,228	169	759	1,330	1,353	200	211	3	4	85

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 OF PERSON, 2006

Age		Total		Type Person Codes									
		Cnt	%	A	B	C	D	E	F	G	H	I	J
Kld	Unk	82	0.9	-	-	-	11	71	-	-	-	-	-
	1-5	15	0.2	-	-	-	7	8	-	-	-	-	-
	6-10	6	0.1	-	-	-	3	3	-	-	-	-	-
	11-15	30	0.3	-	-	-	10	20	-	-	-	-	-
	16-20	73	0.8	-	-	1	17	53	-	2	-	-	-
	21-25	90	1.0	-	-	-	18	71	1	-	-	-	-
	26-30	77	0.8	-	-	-	17	59	1	-	-	-	-
	31-35	73	0.8	1	-	-	14	57	1	-	-	-	-
	36-40	75	0.8	1	-	-	13	61	-	-	-	-	-
	41-45	109	1.2	3	-	-	30	75	-	1	-	-	-
	46-50	77	0.8	4	-	1	10	61	1	-	-	-	-
	51-55	52	0.6	5	-	-	11	36	-	-	-	-	-
	56-60	40	0.4	2	-	-	17	21	-	-	-	-	-
	> 60	111	1.2	-	-	-	54	55	-	-	-	-	2
	Total	910	9.7	16	-	2	232	651	4	3	-	-	2
Nonfatal	Unk	466	5.0	-	-	156	172	74	20	33	-	-	11
	1-5	40	0.4	-	-	14	21	5	-	-	-	-	-
	6-10	43	0.5	-	-	9	23	8	-	-	-	-	3
	11-15	81	0.9	-	-	13	32	31	1	-	-	-	4
	16-20	262	2.8	49	-	13	95	77	9	12	-	-	7
	21-25	563	6.0	310	5	28	82	82	29	24	-	-	3
	26-30	761	8.1	531	19	25	58	76	32	17	-	-	3
	31-35	890	9.5	653	21	22	74	54	36	19	-	-	11
	36-40	850	9.1	592	14	48	75	71	19	15	-	-	16
	41-45	902	9.7	651	20	44	69	58	17	37	-	-	6
	46-50	1,033	11.1	772	18	46	92	65	16	20	-	-	4
	51-55	1,075	11.5	832	38	67	78	33	10	11	1	1	4
	56-60	876	9.4	649	29	70	76	26	4	13	-	2	7
	> 60	590	6.3	173	5	202	151	42	3	7	2	1	4
	Total	8,432	90.3	5,212	169	757	1,098	702	196	208	3	4	83
Total		9,342	100.0	5,228	169	759	1,330	1,353	200	211	3	4	85

*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, 2006

Month		Total Cnt	Type Person Codes									
			A	B	C	D	E	F	G	H	I	J
Kld	January	52	-	-	-	12	38	-	-	-	-	2
	February	63	1	-	-	17	45	-	-	-	-	-
	March	72	1	-	-	17	54	-	-	-	-	-
	April	83	1	-	-	23	58	-	1	-	-	-
	May	77	-	-	-	23	54	-	-	-	-	-
	June	78	2	-	-	23	53	-	-	-	-	-
	July	87	1	-	-	19	66	1	-	-	-	-
	August	98	3	-	1	21	73	-	-	-	-	-
	September	74	1	-	-	20	52	-	1	-	-	-
	October	70	2	-	-	10	58	-	-	-	-	-
	November	83	-	-	1	28	51	2	1	-	-	-
	December	73	4	-	-	19	49	1	-	-	-	-
	Total	910	16	-	2	232	651	4	3	-	-	2
Nonfatal	January	672	419	20	47	93	52	14	24	1	-	2
	February	654	399	20	36	102	57	19	19	-	-	2
	March	690	449	20	44	91	54	12	16	-	-	4
	April	647	407	13	46	98	52	9	20	-	1	1
	May	727	452	15	79	86	55	13	17	-	-	10
	June	740	459	14	94	67	73	11	15	-	-	7
	July	798	505	8	102	90	64	10	19	-	-	-
	August	821	515	17	67	96	69	34	18	-	-	5
	September	715	457	7	48	84	66	25	22	-	1	5
	October	717	421	14	85	94	64	22	16	-	1	-
	November	634	369	13	59	101	50	17	15	1	1	8
	December	617	360	8	50	96	46	10	7	1	-	39
	Total	8,432	5,212	169	757	1,098	702	196	208	3	4	83
Total		9,342	5,228	169	759	1,330	1,353	200	211	3	4	85

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

TABLE 3-9
TOTAL CASUALTIES BY TIME OF DAY AND TYPE OF PERSON, 2006

Time	Total		Type Person Codes									
	Cnt	%	A	B	C	D	E	F	G	H	I	J
AM 1	287	3.1	156	5	10	23	79	6	7	-	-	1
2	297	3.2	154	2	7	21	71	1	7	-	-	34
3	214	2.3	119	1	7	17	63	4	3	-	-	-
4	197	2.1	122	9	10	12	38	4	1	-	-	1
5	188	2.0	114	3	8	27	29	1	6	-	-	-
6	246	2.6	129	21	22	28	33	6	7	-	-	-
7	431	4.6	208	12	70	87	40	7	7	-	-	-
8	537	5.7	294	6	75	76	52	12	13	-	-	9
9	657	7.0	425	2	37	93	58	22	16	-	2	2
10	761	8.1	551	10	25	84	43	14	24	1	-	9
11	597	6.4	407	6	24	68	45	25	20	1	1	-
12	212	2.3	105	5	8	17	67	4	6	-	-	-
Total	4,624	49.5	2,784	82	303	553	618	106	117	2	3	56
PM 1	539	5.8	316	7	55	86	47	15	10	-	-	3
2	558	6.0	320	14	65	82	52	11	11	1	-	2
3	467	5.0	224	14	51	92	60	13	12	-	-	1
4	421	4.5	210	3	44	92	54	4	11	-	1	2
5	408	4.4	203	8	38	75	72	5	4	-	-	3
6	392	4.2	192	4	45	67	72	2	4	-	-	6
7	313	3.4	152	6	28	59	55	4	4	-	-	5
8	255	2.7	130	2	26	24	55	11	7	-	-	-
9	298	3.2	137	2	19	40	85	8	6	-	-	1
10	283	3.0	145	10	20	37	68	-	2	-	-	1
11	245	2.6	115	6	12	26	74	2	10	-	-	-
12	539	5.8	300	11	53	97	41	19	13	-	-	5
Total	4,718	50.5	2,444	87	456	777	735	94	94	1	1	29
Total	9,342	100	5,228	169	759	1,330	1,353	200	211	3	4	85

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

CHAPTER 4

EMPLOYEE ON-DUTY CASUALTIES

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

An employee is in the work environment:

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

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

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

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

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TABLE 4-1
REPORTABLE CONDITIONS TO RR EMPLOYEE ON DUTY, 2006

Condition	Total		Days Absent			Absent Cases 1*		Term./Trans. 2*	Days Restricted			Hazmat Exp. 3*
	Cnt	%	Cnt	%	Avg.	Cnt	%		Cnt	%	Avg.	
Bruise/contusion	676	12.9	25,788	10.9	38	468	13.5	4	4,623	13.3	7	1
Occ. Illness	267	5.1	4,460	1.9	17	76	2.2	-	807	2.3	3	1
Crushing injury	70	1.3	2,561	1.1	37	45	1.3	-	382	1.1	5	-
Sprain/Str., other	37	0.7	2,928	1.2	79	30	0.9	-	116	0.3	3	-
Sprain/Str.,arm/hand	220	4.2	9,327	4.0	42	154	4.4	-	2,881	8.3	13	-
Sprain/Str.,leg/foot	682	13.0	37,503	15.9	55	549	15.8	4	5,387	15.5	8	1
Sprain/Str.,head/face	187	3.6	11,384	4.8	61	138	4.0	2	971	2.8	5	-
Sprain/Str.,torso	1,265	24.2	78,065	33.1	62	987	28.5	8	9,875	28.4	8	-
Cut/abrasion	646	12.4	9,441	4.0	15	265	7.6	4	2,304	6.6	4	1
Puncture wound	72	1.4	717	0.3	10	26	0.8	-	146	0.4	2	1
Needle stick	6	0.1	0	0.0	0	-	-	-	0	0.0	0	-
Electric shock/burn	26	0.5	844	0.4	32	20	0.6	-	63	0.2	2	-
Other burn	55	1.1	1,515	0.6	28	28	0.8	-	120	0.3	2	2
Dislocation	50	1.0	4,045	1.7	81	45	1.3	1	399	1.1	8	-
Fracture,other	4	0.1	657	0.3	164	4	0.1	-	25	0.1	6	-
Fracture,arm/hand	227	4.3	11,692	5.0	52	155	4.5	3	2,606	7.5	11	-
Fracture,leg/foot	133	2.5	11,834	5.0	89	123	3.5	-	1,224	3.5	9	-
Fracture,head/face	14	0.3	666	0.3	48	9	0.3	-	366	1.1	26	-
Fracture,torso	71	1.4	5,119	2.2	72	62	1.8	-	412	1.2	6	-
Fracture,multiple	1	0.0	180	0.1	180	1	0.0	-	0	0.0	0	-
Rupture/tear, tendon, etc	58	1.1	4,585	1.9	79	44	1.3	-	686	2.0	12	-
Gunshot/knife wound	6	0.1	402	0.2	67	5	0.1	-	11	0.0	2	-
Animal/snake/insect bite	52	1.0	174	0.1	3	14	0.4	-	49	0.1	1	-
Dental related	17	0.3	3	0.0	0	1	0.0	-	0	0.0	0	-
Amputation,other	1	0.0	38	0.0	38	1	0.0	-	0	0.0	0	-
Amputation,arm/hand	24	0.5	2,166	0.9	90	22	0.6	2	225	0.6	9	-
Amputation,leg/foot	7	0.1	1,346	0.6	192	7	0.2	-	0	0.0	0	-
Fatality	16	0.3	0	0.0	0	-	-	-	0	0.0	0	-
Object in eye	85	1.6	466	0.2	5	20	0.6	-	6	0.0	0	2
Hernia	34	0.7	1,618	0.7	48	31	0.9	-	163	0.5	5	-
Concussion	27	0.5	1,562	0.7	58	22	0.6	-	273	0.8	10	-
Nervous shock	1	0.0	0	0.0	0	-	-	-	0	0.0	0	-
Internal injury	12	0.2	467	0.2	39	9	0.3	-	66	0.2	6	-
Skin reaction	19	0.4	492	0.2	26	14	0.4	-	75	0.2	4	5
One-time exp. to noise	9	0.2	32	0.0	4	4	0.1	-	1	0.0	0	-
Unspecified injury	84	1.6	2,313	1.0	28	39	1.1	1	442	1.3	5	1
One-time exp.-fumes	67	1.3	1,522	0.6	23	47	1.4	-	70	0.2	1	23
Total	5,228	100	235,912	100	45	3,465	100	29	34,774	100	7	38

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

2* Term = terminated, Trans = transferred

3* Condition was the result of a hazardous material exposure

TABLE 4-2
REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY, BY RAILROAD, 2006

RR	Total		Deaths		Nonfatal		Days Absent			Absent Cases 1*		Term./Trans. 2*	Days Restricted			Hazmat Exp. 3*
	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Avg.	Cnt	%		Cnt	%	Avg.	Cnt
ALS	8	0.2	1	6.3	7	0.1	160	0.1	20	4	0.1	-	0	0.0	0	-
ARR	22	0.4	-	0.0	22	0.4	522	0.2	24	13	0.4	-	82	0.2	4	-
ATK	589	11.3	-	0.0	589	11.3	21,463	9.1	36	296	8.5	-	6,887	19.8	12	-
BNSF	647	12.4	2	12.5	645	12.4	25,303	10.7	39	393	11.3	2	5,556	16.0	9	12
BPRR	3	0.1	-	0.0	3	0.1	18	0.0	6	2	0.1	-	0	0.0	0	-
BRC	14	0.3	-	0.0	14	0.3	761	0.3	54	9	0.3	-	47	0.1	3	-
CN	172	3.3	-	0.0	172	3.3	11,061	4.7	64	140	4.0	-	17	0.0	0	6
CP	67	1.3	1	6.3	66	1.3	2,866	1.2	43	49	1.4	1	584	1.7	9	-
CRSH	13	0.2	-	0.0	13	0.2	1,468	0.6	113	11	0.3	-	0	0.0	0	-
CSX	495	9.5	2	12.5	493	9.5	43,230	18.3	87	409	11.8	10	272	0.8	1	2
DME	40	0.8	-	0.0	40	0.8	1,146	0.5	29	26	0.8	-	324	0.9	8	-
EJE	23	0.4	-	0.0	23	0.4	12	0.0	1	2	0.1	-	144	0.4	6	-
FEC	5	0.1	1	6.3	4	0.1	93	0.0	19	2	0.1	-	0	0.0	0	-
GCRX	27	0.5	-	0.0	27	0.5	516	0.2	19	20	0.6	-	297	0.9	11	-
GRS	12	0.2	-	0.0	12	0.2	180	0.1	15	8	0.2	-	35	0.1	3	-
IHB	14	0.3	-	0.0	14	0.3	1,116	0.5	80	11	0.3	-	80	0.2	6	-
KCS	53	1.0	-	0.0	53	1.0	604	0.3	11	18	0.5	1	1,467	4.2	28	-
LI	181	3.5	-	0.0	181	3.5	4,439	1.9	25	172	5.0	-	4,304	12.4	24	-
MACZ	2	0.0	-	0.0	2	0.0	0	0.0	0	-	-	-	1	0.0	1	-
MBTA	74	1.4	1	6.3	73	1.4	1,616	0.7	22	58	1.7	-	38	0.1	1	-
MMA	10	0.2	-	0.0	10	0.2	111	0.0	11	7	0.2	-	34	0.1	3	-
MNCW	187	3.6	-	0.0	187	3.6	4,302	1.8	23	82	2.4	-	1,521	4.4	8	-
MRL	45	0.9	-	0.0	45	0.9	1,686	0.7	37	36	1.0	-	781	2.2	17	-
NICD	3	0.1	-	0.0	3	0.1	59	0.0	20	1	0.0	-	10	0.0	3	-
NIRC	91	1.7	1	6.3	90	1.7	3,558	1.5	39	62	1.8	-	376	1.1	4	1
NJTR	154	2.9	-	0.0	154	3.0	5,247	2.2	34	143	4.1	3	0	0.0	0	-
NS	336	6.4	1	6.3	335	6.4	34,717	14.7	103	262	7.6	1	160	0.5	0	6
PAL	12	0.2	-	0.0	12	0.2	759	0.3	63	12	0.3	-	0	0.0	0	-
PATH	89	1.7	-	0.0	89	1.7	883	0.4	10	86	2.5	-	0	0.0	0	-
PCMZ	8	0.2	-	0.0	8	0.2	268	0.1	34	6	0.2	-	323	0.9	40	-
PTRA	9	0.2	-	0.0	9	0.2	211	0.1	23	9	0.3	-	0	0.0	0	1
SCAX	7	0.1	-	0.0	7	0.1	10	0.0	1	2	0.1	-	25	0.1	4	-
SEPA	195	3.7	-	0.0	195	3.7	6,825	2.9	35	146	4.2	1	131	0.4	1	-
TRRA	3	0.1	-	0.0	3	0.1	231	0.1	77	2	0.1	-	0	0.0	0	-
UP	945	18.1	5	31.3	940	18.0	53,175	22.5	56	624	18.0	3	7,074	20.3	7	5
URR	9	0.2	-	0.0	9	0.2	851	0.4	95	5	0.1	1	807	2.3	90	-
WE	8	0.2	-	0.0	8	0.2	38	0.0	5	6	0.2	-	28	0.1	4	-
WSOR	22	0.4	-	0.0	22	0.4	246	0.1	11	10	0.3	-	271	0.8	12	-
XXXX	634	12.1	1	6.3	633	12.1	6,161	2.6	10	321	9.3	6	3,098	8.9	5	5
Tot.	5,228	100	16	100	5,212	100	235,912	100	45	3,465	100	29	34,774	100	7	38

XXXX = All other railroads

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

2* Term = terminated, Trans = transferred

3* Condition was the result of a hazardous material exposure

TABLE 4-3
REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY, BY STATE, 2006

	Total		Deaths		Nonfatal		Days Absent			Absent Cases 1*		Term./Trans. 2*	Days Restricted			Hazmat Exp. 3*
	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Avg.	Cnt	%	Cnt	Cnt	%	Avg.	Cnt
AL	99	1.9	-	0.0	99	1.9	8,765	3.7	89	81	2.3	-	71	0.2	1	3
AK	34	0.7	-	0.0	34	0.7	582	0.2	17	20	0.6	-	82	0.2	2	-
AZ	64	1.2	-	0.0	64	1.2	1,562	0.7	24	36	1.0	-	632	1.8	10	1
AR	96	1.8	-	0.0	96	1.8	5,022	2.1	52	57	1.6	-	772	2.2	8	-
CA	303	5.8	3	18.8	300	5.8	10,833	4.6	36	179	5.2	3	3,230	9.3	11	2
CO	91	1.7	-	0.0	91	1.7	3,159	1.3	35	45	1.3	-	729	2.1	8	-
CT	82	1.6	-	0.0	82	1.6	2,637	1.1	32	36	1.0	-	567	1.6	7	-
DE	46	0.9	-	0.0	46	0.9	1,726	0.7	38	23	0.7	-	410	1.2	9	-
DC	127	2.4	-	0.0	127	2.4	881	0.4	7	29	0.8	-	1,119	3.2	9	-
FL	76	1.5	1	6.3	75	1.4	5,529	2.3	73	51	1.5	1	825	2.4	11	-
GA	103	2.0	-	0.0	103	2.0	8,120	3.4	79	79	2.3	3	115	0.3	1	-
HI	2	0.0	-	0.0	2	0.0	0	0.0	0	-	-	-	0	0.0	0	-
ID	47	0.9	-	0.0	47	0.9	2,434	1.0	52	28	0.8	-	472	1.4	10	-
IL	388	7.4	3	18.8	385	7.4	19,673	8.3	51	257	7.4	-	2,275	6.5	6	6
IN	139	2.7	-	0.0	139	2.7	6,353	2.7	46	75	2.2	-	1,134	3.3	8	1
IA	90	1.7	1	6.3	89	1.7	3,395	1.4	38	57	1.6	-	441	1.3	5	-
KS	89	1.7	-	0.0	89	1.7	3,904	1.7	44	59	1.7	-	735	2.1	8	2
KY	81	1.5	-	0.0	81	1.6	8,285	3.5	102	72	2.1	-	0	0.0	0	-
LA	98	1.9	-	0.0	98	1.9	3,646	1.5	37	68	2.0	1	800	2.3	8	2
ME	20	0.4	-	0.0	20	0.4	383	0.2	19	13	0.4	-	34	0.1	2	-
MD	42	0.8	-	0.0	42	0.8	2,841	1.2	68	26	0.8	-	451	1.3	11	2
MA	116	2.2	1	6.3	115	2.2	3,382	1.4	29	82	2.4	-	559	1.6	5	-
MI	94	1.8	1	6.3	93	1.8	6,348	2.7	68	72	2.1	-	182	0.5	2	-
MN	103	2.0	1	6.3	102	2.0	3,568	1.5	35	53	1.5	-	1,026	3.0	10	2
MS	33	0.6	-	0.0	33	0.6	977	0.4	30	17	0.5	-	246	0.7	7	-
MO	99	1.9	-	0.0	99	1.9	4,078	1.7	41	61	1.8	1	896	2.6	9	-
MT	71	1.4	-	0.0	71	1.4	2,213	0.9	31	56	1.6	-	1,125	3.2	16	-
NE	143	2.7	-	0.0	143	2.7	6,067	2.6	42	85	2.5	3	804	2.3	6	-
NV	27	0.5	-	0.0	27	0.5	1,734	0.7	64	16	0.5	-	252	0.7	9	-
NH	5	0.1	-	0.0	5	0.1	32	0.0	6	2	0.1	-	24	0.1	5	-
NJ	254	4.9	-	0.0	254	4.9	6,806	2.9	27	210	6.1	3	205	0.6	1	-
NM	32	0.6	-	0.0	32	0.6	1,218	0.5	38	17	0.5	-	302	0.9	9	-
NY	499	9.5	2	12.5	497	9.5	16,133	6.8	32	376	10.9	1	6,009	17.3	12	-
NC	49	0.9	-	0.0	49	0.9	2,774	1.2	57	36	1.0	-	43	0.1	1	-
ND	36	0.7	-	0.0	36	0.7	924	0.4	26	21	0.6	-	246	0.7	7	1
OH	139	2.7	-	0.0	139	2.7	11,207	4.8	81	102	2.9	1	239	0.7	2	-
OK	53	1.0	-	0.0	53	1.0	3,151	1.3	59	33	1.0	-	436	1.3	8	-
OR	77	1.5	-	0.0	77	1.5	2,771	1.2	36	49	1.4	1	605	1.7	8	-
PA	353	6.8	-	0.0	353	6.8	16,127	6.8	46	239	6.9	3	1,427	4.1	4	1
RI	12	0.2	-	0.0	12	0.2	818	0.3	68	9	0.3	-	43	0.1	4	-
SC	34	0.7	-	0.0	34	0.7	2,197	0.9	65	24	0.7	-	28	0.1	1	-
SD	24	0.5	-	0.0	24	0.5	776	0.3	32	15	0.4	-	259	0.7	11	-
TN	71	1.4	1	6.3	70	1.3	4,679	2.0	66	54	1.6	4	62	0.2	1	3
TX	375	7.2	-	0.0	375	7.2	20,951	8.9	56	277	8.0	2	2,666	7.7	7	8
UT	33	0.6	1	6.3	32	0.6	1,313	0.6	40	18	0.5	-	448	1.3	14	-
VT	11	0.2	-	0.0	11	0.2	251	0.1	23	6	0.2	-	146	0.4	13	-
VA	64	1.2	-	0.0	64	1.2	3,703	1.6	58	49	1.4	1	317	0.9	5	1
WA	106	2.0	1	6.3	105	2.0	3,356	1.4	32	67	1.9	-	623	1.8	6	3
WV	45	0.9	-	0.0	45	0.9	3,216	1.4	71	32	0.9	-	0	0.0	0	-
WI	81	1.5	-	0.0	81	1.6	2,571	1.1	32	53	1.5	1	449	1.3	6	-
WY	72	1.4	-	0.0	72	1.4	2,841	1.2	39	43	1.2	-	213	0.6	3	-
Tot.	5,228	100	16	100	5,212	100	235,912	100	45	3,465	100	29	34,774	100	7	38

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

2* Term = terminated, Trans = transferred

3* Condition was the result of a hazardous material exposure

TABLE 4-4
REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY BY ACTIVITY, 2006

Activity	Total		Days Absent		Absent Cases 1*		Term./ Trans. 2*	Days Restricted		Hazmat Exp. 3*
	Cnt	%	Cnt	%	Cnt	%	Cnt	Cnt	%	Cnt
Adjusting coupler	20	0.4	1,203	0.5	16	0.5	-	48	0.1	-
Adjusting drawbar	20	0.4	1,539	0.7	19	0.5	-	129	0.4	-
Adjusting, other	45	0.9	1,953	0.8	30	0.9	1	435	1.3	-
Applying rail anchor/fastener	19	0.4	718	0.3	11	0.3	-	135	0.4	-
Bending, stooping	93	1.8	3,128	1.3	59	1.7	-	756	2.2	-
Carrying	38	0.7	1,152	0.5	26	0.8	-	392	1.1	-
Chaining, cabling car or locomotiv	3	0.1	352	0.1	2	0.1	-	9	0.0	-
Cleaning	56	1.1	2,026	0.9	32	0.9	-	658	1.9	-
Climbing over/on	80	1.5	3,785	1.6	62	1.8	-	439	1.3	-
Closing	91	1.7	2,892	1.2	56	1.6	-	593	1.7	-
Coupling electric cables	5	0.1	202	0.1	4	0.1	-	84	0.2	-
Coupling air hose	33	0.6	1,397	0.6	21	0.6	1	56	0.2	2
Crossing over	18	0.3	1,305	0.6	16	0.5	-	168	0.5	-
Crossing or crawling under	4	0.1	116	0.0	4	0.1	-	0	0.0	-
Crossing between	3	0.1	200	0.1	3	0.1	-	55	0.2	-
Cutting rail	13	0.2	254	0.1	9	0.3	-	67	0.2	-
Cutting vegetation	20	0.4	478	0.2	7	0.2	-	8	0.0	-
Cutting, other	39	0.7	720	0.3	11	0.3	-	301	0.9	-
Digging, excavating	20	0.4	845	0.4	13	0.4	-	49	0.1	-
Driving (motor vehicle, forklift,	115	2.2	5,025	2.1	71	2.0	-	873	2.5	-
Flagging	2	0.0	131	0.1	2	0.1	-	0	0.0	-
Fueling	3	0.1	56	0.0	2	0.1	-	0	0.0	-
Getting on	63	1.2	2,569	1.1	44	1.3	-	252	0.7	-
Getting off	165	3.2	8,608	3.6	136	3.9	2	1,201	3.5	-
Grinding	30	0.6	201	0.1	6	0.2	2	66	0.2	-
Handling baggage	13	0.2	680	0.3	8	0.2	-	10	0.0	-
Handling car parts	16	0.3	549	0.2	11	0.3	1	121	0.3	-
Handling material, general	50	1.0	1,230	0.5	32	0.9	1	236	0.7	-
Handling locomotive parts	14	0.3	444	0.2	7	0.2	-	10	0.0	-
Handling wheels/trucks	5	0.1	132	0.1	4	0.1	-	25	0.1	-
Handling, other	71	1.4	1,741	0.7	35	1.0	-	433	1.2	-
Handling other track material/supp	26	0.5	636	0.3	16	0.5	-	245	0.7	-
Handling tie plates	12	0.2	268	0.1	7	0.2	-	61	0.2	-
Handling ties	36	0.7	637	0.3	24	0.7	-	450	1.3	-
Handling rail	16	0.3	282	0.1	11	0.3	-	121	0.3	-
Inspecting	45	0.9	1,247	0.5	24	0.7	1	197	0.6	3
Installing	55	1.1	1,596	0.7	29	0.8	1	220	0.6	-
Jumping from	36	0.7	2,231	0.9	30	0.9	3	166	0.5	-
Jumping onto	3	0.1	34	0.0	2	0.1	-	40	0.1	-
Laying	1	0.0	0	0.0	-	-	-	0	0.0	-
Lifting other material	106	2.0	4,095	1.7	73	2.1	-	1,320	3.8	1
Lifting equipment (tools, parts, e	84	1.6	2,814	1.2	58	1.7	-	1,135	3.3	-
Lining switches	133	2.5	7,442	3.2	101	2.9	-	599	1.7	-
Lining, other	5	0.1	71	0.0	2	0.1	-	19	0.1	-
Loading/unloading	64	1.2	2,531	1.1	40	1.2	-	297	0.9	2
Maintaining	36	0.7	1,218	0.5	19	0.5	-	173	0.5	-
Opening	95	1.8	3,363	1.4	62	1.8	-	905	2.6	-
Opening/closing angle cock	17	0.3	592	0.3	9	0.3	-	94	0.3	-
Operating	204	3.9	14,927	6.3	164	4.7	3	1,099	3.2	1
Pulling pin lifter/operating uncou	44	0.8	2,666	1.1	35	1.0	-	207	0.6	-
Pulling	105	2.0	3,700	1.6	67	1.9	1	775	2.2	-
Pushing	42	0.8	1,874	0.8	31	0.9	-	658	1.9	-
Reaching	60	1.1	1,508	0.6	29	0.8	-	343	1.0	-

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

2* Term = terminated, Trans = transferred

3* Condition was the result of a hazardous material exposure

TABLE 4-4
REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY BY ACTIVITY, 2006

Activity	Total		Days Absent		Absent Cases 1*		Term./ Trans. 2*	Days Restricted		Hazmat Exp. 3*
	Cnt	%	Cnt	%	Cnt	%	Cnt	Cnt	%	Cnt
Removing rail anchors/fasteners	15	0.3	717	0.3	7	0.2	-	38	0.1	-
Repairing	66	1.3	1,650	0.7	27	0.8	-	518	1.5	-
Riding	316	6.0	20,391	8.6	244	7.0	2	1,897	5.5	3
Running	11	0.2	840	0.4	8	0.2	-	2	0.0	-
Sitting	189	3.6	11,491	4.9	140	4.0	1	971	2.8	4
Spiking (installation/removal)	69	1.3	2,818	1.2	39	1.1	1	233	0.7	1
Standing	393	7.5	9,653	4.1	176	5.1	-	2,627	7.6	5
Stepping up	45	0.9	1,902	0.8	33	1.0	-	176	0.5	-
Stepping down	155	3.0	7,118	3.0	113	3.3	1	1,419	4.1	-
Stepping over	30	0.6	1,640	0.7	23	0.7	-	308	0.9	-
Uncoupling air hose	11	0.2	307	0.1	6	0.2	-	22	0.1	-
Uncoupling electric cables	3	0.1	380	0.2	3	0.1	-	160	0.5	-
Using hand signals	1	0.0	122	0.1	1	0.0	-	0	0.0	-
Using hand tool	142	2.7	3,058	1.3	62	1.8	1	809	2.3	-
Using, other	15	0.3	511	0.2	6	0.2	-	260	0.7	-
Walking	796	15.2	43,794	18.6	593	17.1	3	5,019	14.4	13
Welding (includes field welding)	27	0.5	694	0.3	10	0.3	-	134	0.4	1
Handbrakes, applying	83	1.6	6,927	2.9	70	2.0	2	806	2.3	1
Handbrakes, releasing	70	1.3	4,838	2.1	59	1.7	-	492	1.4	-
Handbrakes, other	8	0.2	31	0.0	5	0.1	-	31	0.1	-
Derail, applying	9	0.2	526	0.2	6	0.2	-	10	0.0	-
Derail, removing	5	0.1	299	0.1	4	0.1	-	38	0.1	-
Derail, other	1	0.0	0	0.0	-	-	-	0	0.0	-
Other (Narrative must be provided)	68	1.3	1,913	0.8	34	1.0	1	201	0.6	-
Replacing	47	0.9	1,399	0.6	27	0.8	-	282	0.8	-
Ascending	36	0.7	2,982	1.3	31	0.9	-	173	0.5	1
Descending	95	1.8	6,274	2.7	76	2.2	-	760	2.2	-
Exercising	1	0.0	173	0.1	1	0.0	-	7	0.0	-
Getting in	10	0.2	321	0.1	7	0.2	-	81	0.2	-
Getting out	22	0.4	1,391	0.6	15	0.4	-	134	0.4	-
Hauling	1	0.0	0	0.0	-	-	-	0	0.0	-
Moving	33	0.6	710	0.3	15	0.4	-	182	0.5	-
Washing	8	0.2	42	0.0	4	0.1	-	0	0.0	-
Servicing	14	0.3	431	0.2	8	0.2	-	27	0.1	-
Sanding	12	0.2	413	0.2	5	0.1	-	18	0.1	-
Arresting/apprehending/subduing	12	0.2	337	0.1	5	0.1	-	72	0.2	-
Stepped on	16	0.3	456	0.2	10	0.3	-	89	0.3	-
Lying down	1	0.0	0	0.0	-	-	-	45	0.1	-
Total	5,228	100	235,912	100	3,465	100	29	34,774	100	38

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

2* Term = terminated, Trans = transferred

3* Condition was the result of a hazardous material exposure

TABLE 4-5
REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY BY EVENT, 2006

Event	Total		Days Absent		Absent Cases 1*		Term./Trans. 2*	Days Restricted		Hazmat Exp. 3*
	Cnt	%	Cnt	%	Cnt	%		Cnt	%	Cnt
Aggravated pre-existing condition	70	1.3	3,504	1.5	53	1.5	2	1,235	3.6	-
Apprehending/removing from property	6	0.1	261	0.1	3	0.1	-	1	0.0	2
Assaulted by other	40	0.8	1,524	0.6	24	0.7	-	244	0.7	-
Assaulted by coworker	7	0.1	361	0.2	5	0.1	-	13	0.0	-
Bitten/stung by bee, spider, other insect	63	1.2	131	0.1	16	0.5	-	54	0.2	-
Bitten by animal	5	0.1	57	0.0	2	0.1	-	0	0.0	-
Bodily function/sudden movement, e.g., sneez	148	2.8	8,691	3.7	119	3.4	-	1,238	3.6	-
Caught in/compressed by hand tools	19	0.4	704	0.3	6	0.2	-	145	0.4	-
Caught in/compressed by other machinery	22	0.4	910	0.4	12	0.3	-	264	0.8	-
Caught in/crushed by materials	36	0.7	1,400	0.6	24	0.7	1	161	0.5	-
Caught in/crushed in excavation, land slide	1	0.0	0	0.0	-	-	-	0	0.0	-
Caught in/compressed by powered hand tools	13	0.2	141	0.1	8	0.2	-	86	0.2	-
Climatic conditions, other (e.g., high wind	17	0.3	322	0.1	6	0.2	-	23	0.1	-
Climatic condition, exposure to environment	23	0.4	199	0.1	10	0.3	-	1	0.0	-
Collision - between on-track equipment	83	1.6	7,095	3.0	69	2.0	-	364	1.0	-
Collision/impact - auto, truck, bus, van, e	187	3.6	10,075	4.3	140	4.0	1	1,325	3.8	-
Defective/malfunctioning equipment	80	1.5	4,210	1.8	60	1.7	-	763	2.2	1
Derailment	48	0.9	2,987	1.3	41	1.2	-	302	0.9	-
Electrical shock due to contact with 3rd ra	4	0.1	27	0.0	2	0.1	-	11	0.0	-
Electrical shock, other (explain in narrati	15	0.3	647	0.3	13	0.4	-	42	0.1	-
Electrical shock from hand tool	4	0.1	185	0.1	2	0.1	-	20	0.1	-
Exposure to fumes - inhalation	87	1.7	1,876	0.8	59	1.7	-	70	0.2	27
Exposure to chemicals - external	28	0.5	229	0.1	16	0.5	-	121	0.3	3
Exposure to poisonous plants	7	0.1	12	0.0	3	0.1	-	7	0.0	-
Exposure to noise over time	152	2.9	0	0.0	-	-	-	0	0.0	-
Exposure to noise - single incident	10	0.2	35	0.0	5	0.1	-	1	0.0	-
Exposure to welding light	5	0.1	3	0.0	2	0.1	-	3	0.0	-
Highway-rail collision/impact	98	1.9	8,525	3.6	82	2.4	-	578	1.7	-
Horseplay, practical joke, etc.	4	0.1	230	0.1	3	0.1	-	241	0.7	-
Lost balance	162	3.1	7,887	3.3	124	3.6	1	938	2.7	-
Missed handhold, grabiron, step, etc.	38	0.7	1,163	0.5	31	0.9	-	457	1.3	-
Needle puncture/prick/stick	10	0.2	12	0.0	1	0.0	-	7	0.0	2
Other impacts - on-track equipment	27	0.5	2,041	0.9	22	0.6	1	23	0.1	-
Overexertion	679	13.0	38,113	16.2	530	15.3	3	5,905	17.0	-
Pushed/shoved into/against	13	0.2	1,504	0.6	10	0.3	-	52	0.1	-
Pushed/shoved onto	2	0.0	365	0.2	1	0.0	-	11	0.0	-
Pushed/shoved from	4	0.1	114	0.0	4	0.1	-	187	0.5	-
Ran into on-track equipment	14	0.3	898	0.4	8	0.2	4	52	0.1	-
Ran into object/equipment	10	0.2	313	0.1	7	0.2	-	3	0.0	-
Repetitive motion - work processes	67	1.3	2,801	1.2	44	1.3	-	508	1.5	-
Repetitive motion - typing, keyboard, etc.	2	0.0	0	0.0	-	-	-	19	0.1	-
Repetitive motion - tools	19	0.4	479	0.2	7	0.2	-	66	0.2	-
Repetitive motion - other (describe in narr	14	0.3	745	0.3	10	0.3	-	147	0.4	-
Rubbed, abraded, etc.	25	0.5	88	0.0	7	0.2	-	6	0.0	-
Shot	7	0.1	428	0.2	5	0.1	-	9	0.0	-
Slack action, draft, compressive buff/coupl	14	0.3	584	0.2	12	0.3	-	100	0.3	-
Slipped,fell,stumbled,etc. due to irregular	184	3.5	9,591	4.1	138	4.0	-	1,268	3.6	-
Slipped, fell, stumbled, etc. due to climat	135	2.6	8,708	3.7	110	3.2	2	925	2.7	-
Slipped,fell,stumbled,etc. on oil, grease,e	81	1.5	5,261	2.2	62	1.8	-	603	1.7	-
Slipped,fell,stumbled,etc. due to object,ba	282	5.4	16,672	7.1	218	6.3	1	1,866	5.4	-
Stabbing, knifing, etc.	7	0.1	8	0.0	1	0.0	-	10	0.0	-
Stepped on object	69	1.3	2,622	1.1	50	1.4	-	811	2.3	-
Struck by thrown or propelled object	59	1.1	1,112	0.5	24	0.7	-	169	0.5	-
Struck by object	287	5.5	9,130	3.9	140	4.0	-	1,304	3.7	1

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

2* Term = terminated, Trans = transferred

3* Condition was the result of a hazardous material exposure

TABLE 4-5
REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY BY EVENT, 2006

Event	Total		Days Absent		Absent Cases 1*		Term./ Trans. 2*	Days Restricted		Hazmat Exp. 3*
	Cnt	%	Cnt	%	Cnt	%	Cnt	Cnt	%	Cnt
Struck by on-track equipment	34	0.7	2,685	1.1	25	0.7	-	457	1.3	-
Struck by falling object	99	1.9	2,593	1.1	66	1.9	1	1,025	2.9	-
Struck against object	202	3.9	6,844	2.9	119	3.4	1	1,679	4.8	-
Sudden release of air	9	0.2	196	0.1	3	0.1	-	15	0.0	-
Sudden/unexpected movement of material	73	1.4	2,357	1.0	42	1.2	1	292	0.8	-
Sudden/unexpected movement of on-track equ	72	1.4	4,574	1.9	55	1.6	1	710	2.0	-
Sudden/unexpected movement of vehicle	54	1.0	2,958	1.3	32	0.9	-	296	0.9	-
Sustained viewing	2	0.0	191	0.1	2	0.1	-	0	0.0	-
Caught, crushed, pinched, other	232	4.4	8,213	3.5	140	4.0	1	3,133	9.0	-
On-track equipment, other incidents	11	0.2	910	0.4	9	0.3	-	2	0.0	-
Slipped, fell, stumbled, other	402	7.7	23,184	9.8	311	9.0	5	2,104	6.1	-
Sudden, unexpected movement, other	118	2.3	6,487	2.7	77	2.2	-	593	1.7	1
Bumped	40	0.8	842	0.4	23	0.7	-	144	0.4	-
Burned	39	0.7	1,188	0.5	21	0.6	-	118	0.3	-
Blowing/falling debris	55	1.1	71	0.0	13	0.4	-	5	0.0	1
Sudden/Unexpected Movement of tools	54	1.0	1,229	0.5	27	0.8	-	577	1.7	-
Struck by Own Remote Control Locomotive	2	0.0	261	0.1	2	0.1	-	0	0.0	-
Struck by Other Remote Control Locomotive	4	0.1	121	0.1	3	0.1	-	0	0.0	-
Caught Between Machinery	4	0.1	200	0.1	3	0.1	1	64	0.2	-
Slack adjustment during switching operation	10	0.2	914	0.4	7	0.2	-	195	0.6	-
Caught Between Equipment	13	0.2	763	0.3	10	0.3	-	9	0.0	-
Caught Between Material	18	0.3	562	0.2	10	0.3	-	72	0.2	-
Other (describe in narrative)	188	3.6	3,589	1.5	114	3.3	2	525	1.5	-
Total	5,228	100	235,912	100	3,465	100	29	34,774	100	38

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

2* Term = terminated, Trans = transferred

3* Condition was the result of a hazardous material exposure

TABLE 4-6
REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY BY LOCATION, 2006

Location	Total		Days Absent		Absent Cases 1*		Term./ Trans. 2*	Days Restricted		Hazmat Exp. 3*
	Cnt	%	Cnt	%	Cnt	%	Cnt	Cnt	%	Cnt
Main/branch	1,586	30.3	75,072	31.8	1,083	31.3	5	9,198	26.5	9
Yard	1,621	31.0	87,088	36.9	1,211	34.9	14	10,356	29.8	18
Siding	153	2.9	7,396	3.1	100	2.9	-	826	2.4	-
Industry	238	4.6	12,095	5.1	161	4.6	3	1,631	4.7	7
Repair	132	2.5	3,689	1.6	76	2.2	1	1,017	2.9	1
Break/lunch room	23	0.4	1,443	0.6	19	0.5	-	163	0.5	-
Freight terminal	27	0.5	2,189	0.9	20	0.6	-	251	0.7	-
Highway/roadway	194	3.7	10,294	4.4	133	3.8	1	1,041	3.0	-
Loading dock	11	0.2	754	0.3	7	0.2	-	23	0.1	-
Lodging facility	2	0.0	180	0.1	1	0.0	-	0	0.0	1
Office environment	90	1.7	2,562	1.1	51	1.5	-	500	1.4	-
Parking lot	54	1.0	2,221	0.9	34	1.0	-	588	1.7	-
Passenger terminal	413	7.9	9,842	4.2	193	5.6	-	3,351	9.6	-
Repair shop	513	9.8	16,353	6.9	277	8.0	5	4,506	13.0	-
Storage facility	50	1.0	898	0.4	29	0.8	-	479	1.4	-
Sidewalk/walkway	16	0.3	1,070	0.5	13	0.4	-	19	0.1	-
Other, (off site location	39	0.7	1,362	0.6	15	0.4	-	202	0.6	2
Other (explain in narrati	28	0.5	536	0.2	25	0.7	-	77	0.2	-
Other location (describe	38	0.7	868	0.4	17	0.5	-	546	1.6	-
Total	5,228	100	235,912	100	3,465	100	29	34,774	100	38

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

2* Term = terminated, Trans = transferred

3* Condition was the result of a hazardous material exposure

TABLE 4-7
REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY, 2006

Executives, Officials, and Staff Assistants

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Executives, officials, and staff assistants (miscellaneous)	1	-	-	0	0
Executives and general officers	-	4	-	47	2
Corporate staff managers	-	10	-	44	231
Regional/division officers, assistants and staff assistants	-	6	-	120	194
Transportation officers/managers	-	9	-	716	18
Total	1	29	-	927	445

Professional and Administrative

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Professional and administrative (miscellaneous)	-	7	-	17	29
Professional	-	5	-	1	0
Subprofessionals	-	15	-	348	78
General and administrative supervisors	-	12	1	586	5
Sales and traffic representatives and agents	-	6	-	57	14
Freight and other claim agents and investigators	-	4	-	12	0
Supervising and chief claim agents	-	1	-	11	0
Lieutenants and sergeants of police	-	7	-	5	0
Police officers, watchmen, guards (except crossing & bridge)	-	31	-	660	242
Inspectors, (except MOW & MOE), other investigators, etc	-	2	-	187	0
Buyers, and sales agents	-	1	-	0	0
Clerical technicians and clerical specialists	-	17	1	1,025	6
Office machine and data equipment operators	-	2	-	5	180
Secretaries, stenographers, and typists	-	4	1	94	31
General/other clerks (except yd clerk and crew dispatcher)	1	35	2	1,429	679
Building and office attendants	-	16	-	259	24
Messengers and office persons	-	2	-	19	0
Motor vehicle operators	-	33	-	1,930	52
Total	1	200	5	6,645	1,340

Maintenance of Way and Structures

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Maintenance of way and structures (miscellaneous)	-	23	3	477	53
Supervisors, MOW, structures, communication & signals	1	23	1	397	453
MOW, structures, comm. & signals, & scale inspectors	-	27	5	1,362	90
Bridge and building gang foreman	-	16	4	748	224
Bridge and building carpenters	-	43	4	2,226	452
Bridge and building ironworkers	-	4	1	0	0
Bridge and building painters	-	3	-	0	0
Masons, bricklayers, plasterers, and plumbers	-	64	3	1,891	597
Bridge and building helpers and apprentices	-	16	-	362	25
Bridge/building gang and bridge/building dept laborers	-	34	3	715	154
Track gang foremen (extra gang work train laborers)	-	50	7	2,192	300
Gang or section foreman	-	78	6	2,148	489
Extra gang laborers	-	103	15	2,526	1,166
Section laborers	-	294	5	8,185	1,640

TABLE 4-7
REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY, 2006

Maintenance of Way and Structures

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Machine operators	1	191	19	7,993	1,094
Gang foremen, communications and signals	-	19	4	633	181
Signalmen and signal maintainers	-	112	12	4,457	557
Linemen and groundmen and communications craftsman	-	63	6	2,362	498
Assistant signalmen and assistant signal maintainers	-	11	1	256	252
Signal helpers and signal maintainer helpers	-	12	2	742	0
Camp car cooks	-	1	-	180	0
Total	2	1,187	101	39,852	8,225

Maintenance of Equipment and Stores

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Maintenance of equipment and stores (miscellaneous)	-	11	2	82	197
Supervisors and general foremen, maintenance of equipment	-	19	1	301	156
Supervisors and general foremen, materials and stores	-	2	-	1	0
Equipment, shop, electrical inspectors	-	5	3	60	214
Materials and supplies inspectors	-	3	-	41	0
Storekeeper	-	11	-	479	73
Gang foremen, maintenance of equipment	-	16	-	529	83
Blacksmiths	-	1	1	4	0
Boilermakers	-	9	2	180	37
Carmen (freight)	3	184	9	8,820	1,659
Carmen (other)	2	141	12	5,578	1,443
Electrical workers (A)	-	134	7	5,589	1,674
Electrical workers (B)	-	13	-	330	55
Electrical workers (C)	-	7	-	511	106
Machinists	-	167	12	6,047	1,380
Sheet metal workers	-	33	1	1,283	330
Skilled trades, helpers, maintenance of equipment and stores	-	48	3	796	127
Apprentices, maintenance of equipment and stores	-	6	2	27	61
Coach cleaners	-	90	-	2,897	1,266
Laborers: shops, enginehouses and power plants	-	95	-	3,715	579
Gang foremen, materials and stores	-	2	-	0	0
Equipment operators/general laborers, materials and stores	-	15	1	942	26
Stationary engineers	-	4	-	197	0
Total	5	1,016	56	38,409	9,466

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)	-	6	-	63	22
Transportation supervisor and chief train dispatcher	-	6	-	192	0
Train dispatchers	-	4	-	650	4
Station, freight and passenger agents	-	7	-	213	64
Clerk operators, towerman, train directors	-	1	-	45	0
Station masters & assts, super bag. agents, bag. agents, etc	-	1	-	8	0
Baggage, parcel room and station attendants	-	16	-	1,434	140

TABLE 4-7
REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY, 2006

Transportation, Other Than Train and Engine

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Gen/asst gnrl foremen,stations,warehouses,grain elev., docks	-	1	-	91	0
Grain elevator, and dock laborers	-	4	-	276	0
Station, and warehouse laborers	-	7	-	205	36
Truckers (station, warehouse and platforms)	-	11	-	257	187
Food and lodging manager, supervisors	-	1	-	0	44
Waiters and kitchen helpers (restaurant and dining car)	-	10	1	12	48
Chefs and cooks (restaurant and dining car)	-	9	-	257	7
Marine officers and workers and shore workers	-	2	-	0	15
Train attendants	-	54	-	2,766	783
Bridge and crossing flagmen and gatemen	-	1	-	0	0
Yards clerks	-	13	1	853	204
Crew dispatchers	-	3	1	6	1
Yardmasters and assistant yardmasters	-	8	-	409	4
Total	-	165	3	7,737	1,559

Transportation, Train and Engine

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Transportation, train and engine (miscellaneous)	-	41	1	1,066	65
Switchtenders	-	18	-	785	64
Outside hostlers	-	9	-	562	140
Outside hostler helpers	-	4	-	534	0
Inside hostler	-	2	-	5	0
Road passenger conductors	-	235	23	8,132	1,586
Assistant road passenger conductors and ticket collectors	-	66	4	2,418	138
Road freight conductors (through freight)	-	411	18	30,802	2,437
Road freight conductors (local and way freight)	2	216	3	11,953	941
Road Passenger brakemen and flagmen	-	13	-	592	794
Road freight brakemen and flagmen (through freight)	1	42	-	1,753	175
Road freight brakemen and flagmen (local and way freight)	-	131	3	10,746	331
Yard conductors and yard foremen	2	247	4	15,817	1,093
Yard brakemen and yard helpers	-	178	3	9,365	1,398
Road passenger engineers and motormen	-	106	26	4,242	639
Road freight engineers (through freight)	-	282	9	20,616	1,594
Road freight engineers (local and way freight)	-	128	-	8,066	229
Yard engineers	-	109	4	7,442	898
Road passenger firemen and helpers	-	-	2	0	0
Road freight firemen and helpers (through freight)	-	1	-	45	0
Road freight firemen and helpers (local and way freight)	-	6	1	945	26
Yard firemen and helpers	-	1	-	14	3
Remote control locomotive operator -operating	1	38	-	2,182	172
Remote control locomotive operator - not operating	1	64	1	4,260	1,016
Total	7	2,348	102	142,342	13,739

TABLE 4-8
OCCUPATIONAL ILLNESSES OF EMPLOYEE ON DUTY, 2006

Illness	Total		Kld	Nonfatal	Days Absent	Absent Cases 1*	Term./Trans. 2*	Days Restricted	Hazmat Exp. 3*
	Cnt	%							
Dermatitis	3	1.1	-	3	7	1	-	5	-
Rashes	3	1.1	-	3	5	2	-	2	-
Pneumonitis	1	0.4	-	1	1	1	-	0	-
Acute congestion, dust/gas/etc.	2	0.7	-	2	26	2	-	0	-
Poisoning, lead/mercury/etc	1	0.4	-	1	0	-	-	0	1
Heat/sun stroke	4	1.5	-	4	182	3	-	0	-
Heat exhaustion	21	7.9	-	21	13	6	-	1	-
Noise induced hearing loss	153	57.3	-	153	3	1	-	0	-
Synovitis	18	6.7	-	18	1,414	16	-	406	-
Tenosynovitis	12	4.5	-	12	264	5	-	78	-
Bursitis	1	0.4	-	1	5	1	-	0	-
Carpal tunnel syndrome	9	3.4	-	9	280	6	-	22	-
Misc. repeated trauma condition	19	7.1	-	19	1,740	16	-	174	-
Malignant tumors	1	0.4	-	1	4	1	-	0	-
Stress related syndromes	7	2.6	-	7	386	7	-	119	-
Histoplasmosis/coccidiomycosis	1	0.4	-	1	0	-	-	0	-
Misc. illnesses, unclassified	3	1.1	-	3	4	1	-	0	-
Emotional trauma/nervous shock	8	3.0	-	8	126	7	-	0	-
Total	267	100	-	267	4,460	76	-	807	1

TABLE 4-9
OCCUPATIONAL ILLNESSES OF EMPLOYEE ON DUTY, BY RAILROAD, 2006

RR	Total		Kld	Nonfatal	Days Absent			Absent Cases 1*		Term./Trans. 2*	Days Restricted			Hazmat Exp. 3*
	Cnt	%			Cnt	%	Avg.	Cnt	%		Cnt	%	Avg.	
ATK	159	59.6	-	159	420	9.4	3	7	9.2	-	0	0.0	0	-
BNSF	40	15.0	-	40	2,712	60.8	68	32	42.1	-	602	74.6	15	1
CN	4	1.5	-	4	32	0.7	8	3	3.9	-	0	0.0	0	-
CSX	8	3.0	-	8	533	12.0	67	7	9.2	-	0	0.0	0	-
DME	1	0.4	-	1	0	0.0	0	-	-	-	0	0.0	0	-
FEC	1	0.4	-	1	0	0.0	0	-	-	-	0	0.0	0	-
GCRX	3	1.1	-	3	12	0.3	4	2	2.6	-	42	5.2	14	-
GRS	1	0.4	-	1	1	0.0	1	1	1.3	-	0	0.0	0	-
MBTA	1	0.4	-	1	1	0.0	1	1	1.3	-	0	0.0	0	-
MNCW	1	0.4	-	1	11	0.2	11	1	1.3	-	0	0.0	0	-
NJTR	1	0.4	-	1	2	0.0	2	1	1.3	-	0	0.0	0	-
NS	1	0.4	-	1	2	0.0	2	1	1.3	-	0	0.0	0	-
PAL	1	0.4	-	1	1	0.0	1	1	1.3	-	0	0.0	0	-
PATH	1	0.4	-	1	3	0.1	3	1	1.3	-	0	0.0	0	-
UP	33	12.4	-	33	661	14.8	20	13	17.1	-	101	12.5	3	-
WSOR	1	0.4	-	1	7	0.2	7	1	1.3	-	5	0.6	5	-
XXXX	10	3.7	-	10	62	1.4	6	4	5.3	-	57	7.1	6	-
Tot.	267	100	-	267	4,460	100	17	76	100	-	807	100	3	1

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

2* Term = terminated, Trans = transferred

3* Condition was the result of a hazardous material exposure

CHAPTER 5

TRAIN ACCIDENTS

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

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

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

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

The tables displaying train accidents counts by railroad, are the number of events that a railroad was involved in, regardless of whether or not that railroad's operations were the primary reason the accident occurred. This is done because all railroads are required to report the extent of their involvement in the accident, 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.

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

Car. A unit of on-track equipment, either

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

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

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

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

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

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

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

Work trains are non-revenue trains used for the administration and upkeep service of the railroad. Examples are: official trains; inspection trains; special trains running with company fire apparatus to save the railroad's property from destruction; trains that transport the railroad's employees to and from work when no transportation charge is made; construction and upkeep trains run in connection with maintenance and improvement work; and material and supply trains run in connection with operations.

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TRAIN ACCIDENTS

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TABLE 5-1
TRAIN ACCIDENTS BY RR, TYPE AND MAJOR CAUSE, 2006

Railroad	Total		Type of Accident				Reportable Damage	Casualties		Causes						
	Cnt	%	Coll	Der	HRC	Othr		Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk	
Alton & Southern	11	0.3	2	7	-	2	304,330	-	1	1	-	6	3	-	1	
Alaska RR Corp.	1	0.0	-	-	-	1	17,936	-	-	1	-	-	-	-	-	
Amtrak	145	4.1	3	43	42	57	7,410,774	21	76	31	42	23	9	-	40	
Burlington Northern Santa Fe	696	19.9	18	482	53	143	100,381,772	13	48	73	53	265	113	5	187	
Buffalo & Pittsburg	4	0.1	1	2	1	-	583,228	-	1	-	1	1	-	-	2	
Belt Rwy Of Chicago	20	0.6	1	11	-	8	228,795	-	-	2	-	10	3	2	3	
Canadian National	111	3.2	12	72	12	15	8,593,404	5	4	12	12	44	10	-	33	
Canadian Pacific	24	0.7	1	19	2	2	2,389,389	-	3	2	2	6	5	-	9	
Conrail Shared Assets	32	0.9	8	17	3	4	1,232,450	-	-	1	3	17	3	1	7	
CSX Transportation	411	11.7	54	273	25	59	32,182,560	3	27	44	25	144	67	14	117	
Dakota,Minnesota & Eastern	35	1.0	1	30	1	3	4,123,106	-	1	4	1	11	1	-	18	
Elgin, Joliet & Eastern	9	0.3	-	7	1	1	117,802	-	-	-	1	4	-	1	3	
Florida East Coast	14	0.4	-	12	2	-	1,731,139	-	1	2	2	5	-	-	5	
Guilford Rail System	10	0.3	-	10	-	-	744,144	-	-	4	-	2	-	-	4	
Indiana Harbor Belt	15	0.4	2	11	1	1	271,457	-	1	3	1	5	2	-	4	
Kansas City Southern	91	2.6	7	70	6	8	7,009,797	2	5	10	6	21	15	-	39	
Long Island Rail Road	11	0.3	1	6	2	2	1,033,100	1	3	-	2	6	-	1	2	
MD Assn. of Rail Comm	3	0.1	2	-	-	1	86,400	-	-	1	-	2	-	-	-	
Mass Bay Transit Auth.	2	0.1	1	-	1	-	879,273	-	28	-	1	1	-	-	-	
Montreal, Maine & Atlantic	8	0.2	1	4	2	1	286,027	1	-	-	2	2	-	-	4	
Metro North Commuter	50	1.4	2	9	-	39	2,798,774	-	2	10	-	5	12	-	23	
Montana Rail Link	25	0.7	7	11	3	4	4,113,202	-	1	3	3	12	2	-	5	
Northern IN Comm Trans	3	0.1	1	1	1	-	1,593,561	-	3	-	1	2	-	-	-	
Northeast IL Reg Comm	8	0.2	1	3	4	-	1,278,863	-	19	-	4	3	-	-	1	
New Jersey Transit Rail	34	1.0	1	13	-	20	716,889	-	4	4	-	15	1	-	14	
Norfolk Southern Corp.	277	7.9	25	193	25	34	26,883,913	3	17	38	25	91	36	1	86	
Paducah & Louisville	5	0.1	1	4	-	-	1,162,180	-	3	2	-	2	1	-	-	
Port Auth Trans Hudson	1	0.0	-	1	-	-	108,546	-	-	-	-	1	-	-	-	
Peninsula Comm San Mateo Cnty	5	0.1	-	1	2	2	57,647	-	-	-	2	2	1	-	-	
Port Terminal RR Assn	7	0.2	2	3	-	2	173,856	-	-	-	-	5	-	-	2	
Southern CA Reg Rail Auth.	9	0.3	-	1	7	1	146,194	-	1	-	7	1	1	-	-	
Southeastern PA Trans.	9	0.3	1	-	-	8	324,243	-	42	-	-	1	7	1	-	
Term RR Assn Of St. Louis	14	0.4	-	11	-	3	445,704	-	-	1	-	5	2	-	6	
Union Pacific	972	27.8	50	664	92	166	99,980,624	13	116	105	92	292	149	23	311	
Union RR (Pittsburgh)	5	0.1	-	5	-	-	220,918	-	-	-	-	1	1	1	2	
Wheeling & Lake Erie	16	0.5	1	14	-	1	419,555	-	-	1	-	3	1	-	11	
Wisconsin & Southern RR	5	0.1	-	4	-	1	380,480	-	-	-	-	2	1	-	2	
Other Railroads	402	11.5	10	338	19	35	23,912,932	3	26	28	19	100	29	-	226	

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

TABLE 5-2
TRAIN ACCIDENTS BY STATE, TYPE AND MAJOR CAUSE, 2006

State	Total		Type of Accident				Reportable Damage		Casualties		Causes						
	Accs	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk	
Alabama	89	2.8	8	66	9	6	9,336,709	2.8	2	13	6	9	27	7	1	39	
Alaska	1	0.0	-	-	-	1	17,936	0.0	-	-	1	-	-	-	-	-	
Arizona	40	1.2	3	28	4	5	3,692,788	1.1	-	4	2	4	14	6	-	14	
Arkansas	88	2.7	5	54	11	18	6,874,797	2.1	2	8	11	11	17	21	-	28	
California	218	6.8	4	149	29	36	37,967,515	11.4	7	17	12	29	64	47	2	64	
Colorado	65	2.0	3	47	5	10	5,612,590	1.7	-	14	12	5	30	9	-	9	
Connecticut	34	1.1	-	7	-	27	2,123,937	0.6	-	1	7	-	3	9	-	15	
Delaware	7	0.2	-	7	-	-	129,608	0.0	-	-	-	-	1	-	-	6	
Dist Of Columbi	13	0.4	1	5	-	7	425,309	0.1	-	-	4	-	6	-	-	3	
Florida	54	1.7	6	36	8	4	5,706,016	1.7	1	13	8	8	14	6	-	18	
Georgia	95	3.0	17	55	9	14	9,213,068	2.8	1	10	7	9	38	14	5	22	
Idaho	31	1.0	1	27	2	1	5,617,289	1.7	-	1	4	2	6	4	-	15	
Illinois	248	7.7	21	162	15	50	17,871,941	5.3	7	64	23	15	94	43	5	68	
Indiana	68	2.1	3	52	6	7	5,908,625	1.8	1	7	5	6	20	15	2	20	
Iowa	85	2.7	3	63	4	15	10,139,399	3.0	1	2	12	4	25	9	-	35	
Kansas	110	3.4	2	80	11	17	17,086,663	5.1	4	11	15	11	33	13	-	38	
Kentucky	48	1.5	5	36	2	5	4,227,933	1.3	-	8	7	2	14	5	1	19	
Louisiana	109	3.4	6	69	17	17	6,045,800	1.8	1	24	5	17	36	7	2	42	
Maine	15	0.5	1	11	2	1	640,833	0.2	1	-	2	2	4	-	-	7	
Maryland	33	1.0	3	19	1	10	3,348,043	1.0	-	4	9	1	10	4	-	9	
Massachusetts	21	0.7	1	9	2	9	1,786,005	0.5	-	30	7	2	3	3	-	6	
Michigan	47	1.5	4	37	4	2	3,575,930	1.1	1	19	4	4	12	3	-	24	
Minnesota	60	1.9	1	49	3	7	5,868,352	1.8	-	1	5	3	20	12	2	18	
Mississippi	47	1.5	2	29	11	5	7,405,864	2.2	7	5	6	11	7	9	-	14	
Missouri	66	2.1	-	51	4	11	12,618,120	3.8	2	8	9	4	16	8	1	28	
Montana	45	1.4	8	28	3	6	7,832,264	2.3	-	2	9	3	17	3	-	13	
Nebraska	96	3.0	4	66	4	22	19,915,515	6.0	1	4	16	4	37	8	4	27	
Nevada	19	0.6	-	16	-	3	1,840,523	0.6	-	-	3	-	8	1	-	7	
New Jersey	55	1.7	6	25	2	22	2,253,424	0.7	1	2	4	2	28	4	1	16	
New Mexico	30	0.9	1	20	1	8	3,183,058	1.0	2	1	2	1	17	4	-	6	
New York	99	3.1	14	52	2	31	7,238,095	2.2	1	8	14	2	31	13	4	35	
North Carolina	37	1.2	6	22	6	3	3,834,814	1.1	1	5	4	6	9	6	1	11	
North Dakota	21	0.7	-	15	-	6	8,477,952	2.5	-	1	2	-	11	2	-	6	
Ohio	91	2.8	6	67	2	16	5,725,780	1.7	1	3	7	2	32	11	2	37	
Oklahoma	70	2.2	5	47	8	10	9,526,477	2.8	4	4	5	8	20	9	-	28	
Oregon	67	2.1	3	50	3	11	6,774,882	2.0	-	4	5	3	26	11	-	22	
Pennsylvania	104	3.2	4	73	3	24	8,796,714	2.6	1	44	11	3	28	17	2	43	
Rhode Island	3	0.1	-	-	-	3	83,000	0.0	-	2	2	-	1	-	-	-	
South Carolina	18	0.6	1	13	1	3	602,103	0.2	-	1	1	1	10	2	1	3	
South Dakota	10	0.3	-	9	-	1	1,815,080	0.5	-	1	-	-	-	2	-	8	
Tennessee	70	2.2	9	51	2	8	5,889,687	1.8	-	2	5	2	27	13	1	22	
Texas	396	12.4	20	254	42	80	31,849,156	9.5	10	63	25	42	139	48	9	133	
Utah	36	1.1	3	29	-	4	2,529,990	0.8	-	-	4	-	16	3	2	11	
Vermont	3	0.1	-	3	-	-	642,538	0.2	-	-	1	-	-	1	-	1	
Virginia	53	1.7	2	43	-	8	4,271,167	1.3	-	6	11	-	18	12	-	12	
Washington	67	2.1	2	46	8	11	5,911,307	1.8	4	12	8	8	22	11	1	17	
West Virginia	31	1.0	-	27	1	3	2,924,377	0.9	-	1	7	1	3	1	-	19	
Wisconsin	32	1.0	3	20	4	5	2,255,132	0.7	1	1	2	4	14	3	-	9	
Wyoming	57	1.8	1	47	-	9	6,910,859	2.1	-	2	13	-	17	11	1	15	
Total	3,202	100	198	2,171	251	582	334,324,964	100.0	65	433	344	251	1,045	450	50	1,062	

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

TABLE 5-3
TRAIN ACCIDENTS BY MONTH, TYPE AND MAJOR CAUSE, 2006

Day	Total		Type of Accident				Reportable Damage		Casualties		Causes					
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
January	257	8.0	23	175	18	41	22,633,819	6.8	1	17	27	18	87	35	10	80
February	242	7.6	11	156	17	58	19,964,728	6.0	5	9	19	17	83	42	4	77
March	254	7.9	9	171	19	55	20,810,495	6.2	3	30	23	19	74	43	4	91
April	262	8.2	13	175	18	56	34,464,837	10.3	5	17	37	18	82	36	5	84
May	301	9.4	21	202	23	55	29,446,754	8.8	3	49	36	23	97	47	3	95
June	274	8.6	16	186	22	50	34,532,317	10.3	6	53	32	22	92	41	4	83
July	290	9.1	19	199	20	52	30,947,271	9.3	8	72	30	20	93	44	7	96
August	282	8.8	19	195	27	41	31,863,752	9.5	7	33	34	27	93	34	2	92
September	255	8.0	17	173	21	44	24,098,255	7.2	4	17	23	21	88	35	2	86
October	266	8.3	25	174	26	41	28,796,540	8.6	3	54	28	26	102	20	1	89
November	251	7.8	9	175	24	43	25,282,887	7.6	13	34	26	24	65	35	2	99
December	268	8.4	16	190	16	46	31,483,309	9.4	7	48	29	16	89	38	6	90
Total	3,202	100	198	2,171	251	582	334,324,964	100.0	65	433	344	251	1,045	450	50	1,062

TABLE 5-4
TRAIN ACCIDENTS BY DAY, TYPE AND MAJOR CAUSE, 2006

Day	Total		Type of Accident				Reportable Damage		Casualties		Causes					
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
Sunday	385	12.0	33	269	11	72	40,585,747	12.1	4	23	60	11	150	50	7	107
Monday	457	14.3	26	293	44	94	41,482,799	12.4	16	92	45	44	141	71	3	153
Tuesday	500	15.6	34	327	40	99	50,283,223	15.0	6	58	39	40	158	73	12	178
Wednesday	474	14.8	24	335	45	70	58,054,222	17.4	14	77	36	45	152	53	5	183
Thursday	481	15.0	29	326	46	80	41,443,361	12.4	9	59	56	46	157	67	4	151
Friday	482	15.1	27	324	43	88	51,678,026	15.5	8	47	55	43	146	69	8	161
Saturday	423	13.2	25	297	22	79	50,797,586	15.2	8	77	53	22	141	67	11	129
Total	3,202	100	198	2,171	251	582	334,324,964	100.0	65	433	344	251	1,045	450	50	1,062

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

TABLE 5-5
TRAIN ACCIDENTS BY TIME OF DAY, TYPE AND MAJOR CAUSE, 2006

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	143	4.5	6	117	1	19	11,564,519	3.5	1	10	18	1	46	28	2	48
	2	148	4.6	13	95	5	35	12,278,833	3.7	-	43	14	5	57	21	3	48
	3	114	3.6	9	86	-	19	8,621,450	2.6	-	4	9	-	48	22	8	27
	4	126	3.9	10	89	4	23	18,159,053	5.4	-	1	11	4	50	17	-	44
	5	115	3.6	7	71	3	34	18,863,505	5.6	1	9	19	3	44	14	2	33
	6	120	3.7	5	92	3	20	18,158,289	5.4	-	12	20	3	36	14	2	45
	7	110	3.4	5	68	21	16	12,096,194	3.6	9	47	18	21	29	13	1	28
	8	139	4.3	11	85	17	26	16,549,566	5.0	2	14	18	17	41	22	2	39
	9	157	4.9	4	93	29	31	12,921,091	3.9	7	32	14	29	42	21	1	50
	10	142	4.4	9	96	14	23	12,746,490	3.8	4	24	12	14	53	20	2	41
	11	150	4.7	12	96	16	26	14,188,193	4.2	6	15	19	16	38	15	3	59
	12	106	3.3	5	74	3	24	10,353,280	3.1	-	1	16	3	45	19	-	23
	Sub	1,570	49.0	96	1,062	116	296	166,500,463	49.8	30	212	188	116	529	226	26	485
PM	1	171	5.3	12	115	22	22	16,370,248	4.9	6	35	14	22	45	23	3	64
	2	151	4.7	11	100	19	21	17,612,667	5.3	4	52	11	19	35	18	2	66
	3	129	4.0	7	88	17	17	15,221,739	4.6	4	27	10	17	31	12	2	57
	4	163	5.1	9	106	18	30	21,641,308	6.5	5	23	12	18	45	33	1	54
	5	146	4.6	13	94	15	24	10,935,897	3.3	3	9	12	15	52	18	1	48
	6	131	4.1	6	85	11	29	8,950,673	2.7	5	24	13	11	41	19	2	45
	7	127	4.0	10	85	3	29	16,187,497	4.8	3	5	12	3	53	22	3	34
	8	138	4.3	8	95	5	30	7,465,497	2.2	1	8	15	5	61	16	-	41
	9	120	3.7	7	85	6	22	14,711,964	4.4	2	7	12	6	40	17	2	43
	10	121	3.8	9	84	3	25	13,727,250	4.1	-	7	20	3	44	11	5	38
	11	103	3.2	2	86	-	15	10,553,007	3.2	1	-	14	-	32	17	-	40
	12	132	4.1	8	86	16	22	14,446,754	4.3	1	24	11	16	37	18	3	47
	Sub	1,632	51.0	102	1,109	135	286	167,824,501	50.2	35	221	156	135	516	224	24	577
Total	3,202	100	198	2,171	251	582	334,324,964	100	65	433	344	251	1,045	450	50	1,062	

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

TABLE 5-6
TRAIN ACCIDENTS BY TYPE AND MAJOR CAUSE, 2006

Type Accident	Total		Reportable Damage		Casualties		Causes					
	Cnt	%	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
Derailments	2,171	67.8	264,995,385	79.3	3	87	274	-	578	280	24	1,015
Head on collision	11	0.3	6,468,417	1.9	-	59	-	-	11	-	-	-
Rear end collision	22	0.7	7,205,831	2.2	-	11	-	-	21	1	-	-
Side collision	118	3.7	8,865,745	2.7	-	11	-	-	107	5	5	1
Raking collision	38	1.2	1,924,896	0.6	-	3	1	-	34	2	1	-
Broken train coll.	9	0.3	830,669	0.2	-	1	5	-	4	-	-	-
Highway-rail Impact	251	7.8	15,458,766	4.6	59	225	-	251	-	-	-	-
Obstruction impact	74	2.3	3,425,168	1.0	3	14	6	-	17	45	-	6
Explosion/detonation	1	0.0	12,000	0.0	-	-	-	-	1	-	-	-
Fire/violent rupture	20	0.6	2,538,237	0.8	-	3	8	-	-	12	-	-
Other impacts	348	10.9	13,572,102	4.1	-	16	9	-	245	67	17	10
Other events	139	4.3	9,027,748	2.7	-	3	41	-	27	38	3	30
Total	3,202	100	334,324,964	100	65	433	344	251	1,045	450	50	1,062

TABLE 5-7
TRAIN ACCIDENTS BY SUBCAUSE AND TYPE, 2006

Causes	Total		Type of Accident				Reportable Damage		Casualties	
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal
Brakes	37	1.2	-	29	-	8	4,224,211	1.3	-	3
Trailer/Container on Flatcar	2	0.1	1	1	-	-	17,116	0.0	-	-
Body	36	1.1	-	26	-	10	4,795,524	1.4	-	-
Coupler & Draft System	38	1.2	5	29	-	4	6,013,325	1.8	-	1
Truck Components	71	2.2	-	70	-	1	9,376,152	2.8	-	4
Axles & Journal Bearings	53	1.7	-	51	-	2	13,195,667	3.9	-	1
Wheels	58	1.8	-	58	-	-	9,583,959	2.9	-	-
Locomotives	41	1.3	-	3	-	38	3,653,375	1.1	-	3
Doors	6	0.2	-	6	-	-	228,734	0.1	-	-
Other Mechanical	2	0.1	-	1	-	1	24,039	0.0	-	-
Brakes, Use of	114	3.6	14	31	-	69	8,266,613	2.5	-	7
Employee Physical Condition	2	0.1	2	-	-	-	475,000	0.1	-	-
Flagging, Fixed, Hand & Radio	38	1.2	16	16	-	6	10,948,327	3.3	-	55
General Switching Rules	396	12.4	78	169	-	149	15,652,141	4.7	-	12
Main Track Authority	17	0.5	8	3	-	6	1,853,895	0.6	-	9
Train Handling/Makeup	118	3.7	4	111	-	3	13,124,524	3.9	-	3
Speed	104	3.2	26	49	-	29	10,653,403	3.2	-	16
Switches, Use of	221	6.9	20	184	-	17	12,747,580	3.8	-	12
Miscellaneous Human Factors	35	1.1	9	15	-	11	1,884,576	0.6	-	2
Environmental Conditions	51	1.6	-	36	-	15	11,823,214	3.5	-	3
Loading Procedures	48	1.5	1	41	-	6	5,224,216	1.6	-	1
Highway-Rail Incidents	251	7.8	-	-	251	-	15,458,766	4.6	59	225
Unusual Operational Situations	225	7.0	3	121	-	101	14,165,969	4.2	4	13
Other Miscellaneous Causes	126	3.9	4	82	-	40	9,518,248	2.8	2	5
Signal Defects	50	1.6	6	24	-	20	3,825,624	1.1	-	1
Roadbed	23	0.7	-	23	-	-	3,706,410	1.1	-	-
Track Geometry	395	12.3	-	392	-	3	49,088,702	14.7	-	4
Rail, Joint Bar & Anchors	389	12.1	-	386	-	3	78,347,693	23.4	-	35
Frogs, Switches, Appliances	217	6.8	1	211	-	5	12,956,367	3.9	-	17
Other Track Defects	38	1.2	-	3	-	35	3,491,594	1.0	-	1
Total	3,202	100	198	2,171	251	582	334,324,964	100.0	65	433

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

TABLE 5-8
TRAIN ACCIDENTS WITH CONTRIBUTING CAUSE, 2006

Contributing Cause	Total		Type of Accident				Type of Track			
	Cnt	%	Coll	Der	HRC	Othr	Main	Yard	Siding	Industry
Brakes	6	1.5	-	5	-	1	3	3	-	-
Trailer/Container on Flatcar	1	0.2	1	-	-	-	1	-	-	-
Body	1	0.2	-	1	-	-	1	-	-	-
Coupler & Draft System	1	0.2	-	1	-	-	1	-	-	-
Truck Components	14	3.4	-	14	-	-	12	1	1	-
Axles & Journal Bearings	3	0.7	-	2	-	1	3	-	-	-
Wheels	12	2.9	-	12	-	-	5	7	-	-
Locomotives	4	1.0	-	1	-	3	4	-	-	-
Doors	5	1.2	-	5	-	-	2	3	-	-
Other Mechanical	1	0.2	-	-	-	1	1	-	-	-
Brakes, Use of	5	1.2	-	2	-	3	2	3	-	-
Employee Physical Condition	2	0.5	1	1	-	-	2	-	-	-
Flagging, Fixed, Hand & Radio	7	1.7	1	4	-	2	1	5	-	1
General Switching Rules	60	14.7	12	22	-	26	5	41	4	10
Main Track Authority	1	0.2	-	1	-	-	-	-	1	-
Train Handling/Makeup	32	7.9	3	26	-	3	14	14	3	1
Speed	17	4.2	6	10	-	1	8	7	1	1
Switches, Use of	40	9.8	1	32	-	7	4	28	-	8
Miscellaneous Human Factors	9	2.2	3	4	1	1	6	2	1	-
Environmental Conditions	7	1.7	-	3	-	4	2	5	-	-
Loading Procedures	7	1.7	-	7	-	-	5	2	-	-
Highway-Rail Incidents	33	8.1	-	-	33	-	29	4	-	-
Unusual Operational Situations	14	3.4	-	13	-	1	8	4	1	1
Other Miscellaneous Causes	22	5.4	-	19	-	3	5	3	1	13
Signal Defects	1	0.2	-	1	-	-	-	-	-	1
Roadbed	11	2.7	-	11	-	-	5	3	1	2
Track Geometry	52	12.8	-	52	-	-	25	17	3	7
Rail, Joint Bar & Anchors	20	4.9	-	20	-	-	10	8	1	1
Frogs, Switches, Appliances	18	4.4	-	18	-	-	5	10	1	2
Other Track Defects	1	0.2	-	1	-	-	-	-	-	1
Total	407	100	28	288	34	57	169	170	19	49

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

TABLE 5-9
TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2006

MAJOR CAUSE= Human Factors

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Failure to secure engine- rr empl	5	0.2	-	2	3	2	2	1	347,660	-	2
Fail to secure car hnd brk -rr emp	44	1.4	5	12	27	4	37	3	1,322,482	-	1
Fail to release hand brk - rr emp	6	0.2	-	5	1	3	2	1	76,896	-	-
Fail to apply suff. hand brakes -rr emp	30	0.9	6	4	20	3	24	3	946,185	-	1
Fail to apply car hnd brks -rr emp	18	0.6	2	6	10	2	14	2	614,980	-	-
Fail to secure equip - not rr emp	3	0.1	1	-	2	1	1	1	69,300	-	-
Fail to ctrl car spd use hnd brk-r emp	2	0.1	-	-	2	2	-	-	22,337	-	-
Use of brakes, other	6	0.2	-	2	4	3	3	-	4,866,773	-	3
Impairment because of drugs or alcohol	1	0.0	1	-	-	-	-	1	445,000	-	-
Incapacitation due to injury/illness	1	0.0	1	-	-	1	-	-	30,000	-	-
Hand signal, failure to give/receive	1	0.0	-	1	-	-	1	-	37,949	-	-
Radio communication, failure to comply	12	0.4	5	4	3	1	7	4	293,876	-	-
Radio communication, improper	1	0.0	-	1	-	-	1	-	83,726	-	-
Failure to comply with failed equipment detector warning or with applicable train inspection rules.	4	0.1	-	4	-	4	-	-	318,868	-	-
Fixed signal (other than automatic block or interlocking signal), failure to comply.	5	0.2	-	4	1	2	3	-	379,331	-	-
Automatic block or interlocking signal displaying a stop indication - failure to comply.*	13	0.4	9	2	2	11	1	1	9,479,477	-	54
Automatic block or interlocking signal displaying other than a stop indication - failure to comply.*	2	0.1	2	-	-	1	-	1	355,100	-	1
Car(s) shoved out & left out of clear	6	0.2	3	-	3	-	6	-	128,052	-	-
Cars left foul	38	1.2	10	2	26	3	31	4	2,295,274	-	5
Derail, failure to apply or remove	21	0.7	-	20	1	-	11	10	636,918	-	-
Instruction to trn/yd crew improper	8	0.2	4	2	2	-	7	1	243,002	-	-
Shoving movement, absence of man	125	3.9	35	59	31	3	101	21	6,864,182	-	3
Shoving movement, failure to control	84	2.6	15	39	30	5	67	12	2,343,682	-	4
Skate, failure to remove or place	6	0.2	-	2	4	-	6	-	124,107	-	-
Failure to stretch cars before shoving	11	0.3	2	3	6	3	6	2	292,315	-	-
Failure to couple	8	0.2	-	4	4	1	7	-	114,123	-	-
Passed couplers	28	0.9	-	23	5	1	26	1	706,602	-	-
Retarder, improper manual operation	4	0.1	-	1	3	-	4	-	145,923	-	-
Retarder yard skate improperly applied	1	0.0	1	-	-	-	1	-	11,617	-	-
Portable derail, improperly applied	1	0.0	-	1	-	-	1	-	31,000	-	-
Manual intervention of classification yard automatic control system modes by operator	5	0.2	1	2	2	-	5	-	63,223	-	-
Humping or cutting off in motion equipment susceptible to damage, or to cause damage to other equipment	2	0.1	1	-	1	1	1	-	36,530	-	-
Kicking or dropping cars, inadequate precautions	33	1.0	3	8	22	3	28	2	967,746	-	-
Other general switching rules	15	0.5	3	3	9	-	14	1	647,845	-	-
Failure to stop train in clear	3	0.1	3	-	-	2	1	-	948,935	-	2
Motor car/on-trk rules, fail to comply	6	0.2	4	-	2	4	1	1	421,222	-	1
Movement without authority - rr emp	3	0.1	-	1	2	3	-	-	93,477	-	2
Fail to comply with trn order, etc.	2	0.1	-	1	1	1	-	1	132,850	-	-
Trn orders, trk warrants, radio error	-	-	-	-	-	-	-	-	1,500	-	-
Other main track authority causes	3	0.1	1	1	1	3	-	-	255,911	-	4
Improper train make-up at init term	3	0.1	-	3	-	1	2	-	32,146	-	-
Improper placement of cars in train	1	0.0	-	1	-	1	-	-	362,593	-	-
Buff/slack action excess, trn handling	26	0.8	1	24	1	7	19	-	2,803,407	-	1
Buff/slack action excess, trn make-up	7	0.2	-	7	-	2	3	2	1,145,893	-	2
Lat DB force on curve xcess trn hndng	6	0.2	-	6	-	2	4	-	431,018	-	-
Lat DB force on curve excess, make-up	7	0.2	-	7	-	1	5	1	557,581	-	-
Lat drawbar force-short/long car combo	4	0.1	-	4	-	2	2	-	218,856	-	-

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

TABLE 5-9
TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2006

MAJOR CAUSE= Human Factors

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Improper train inspection	3	0.1	1	1	1	2	1	-	333,497	-	-
Automatic brake, insufficient	1	0.0	1	-	-	1	-	-	930,187	-	-
Automatic brake, excessive	2	0.1	-	2	-	-	2	-	79,716	-	-
Automatic brake, other improper use	2	0.1	-	2	-	1	1	-	33,450	-	-
Fail to allow air brks to release	3	0.1	1	2	-	1	2	-	337,569	-	-
Dynamic brake, excessive	1	0.0	-	1	-	-	1	-	12,000	-	-
Dynamic brake, too rapid adjustment	2	0.1	-	2	-	1	1	-	259,339	-	-
Dynamic brake, excessive axles	3	0.1	-	3	-	3	-	-	811,525	-	-
Dynamic brake, other improper use	2	0.1	-	2	-	2	-	-	1,752,596	-	-
Throttle (power), improper use	6	0.2	-	5	1	2	3	1	198,016	-	-
Throttle (power), too rapid adjustment	2	0.1	-	2	-	-	2	-	59,959	-	-
Excessive horsepower	12	0.4	-	12	-	1	10	1	665,648	-	-
Independent brake, improper use	15	0.5	-	15	-	4	10	1	1,063,492	-	-
Failure to actuate off independent brk	4	0.1	-	4	-	3	-	1	408,419	-	-
Other train handling/makeup	6	0.2	-	6	-	3	2	1	627,617	-	-
Coupling speed excessive	18	0.6	-	6	12	2	14	2	749,609	-	-
Switch movement, excessive speed	8	0.2	1	5	2	-	6	2	236,205	-	-
Train inside yard limits, excess speed	5	0.2	1	4	-	1	2	2	479,675	-	-
Train outside yd limits, excess speed	6	0.2	-	5	1	6	-	-	1,724,738	-	-
Failure to comply with restricted speed	11	0.3	9	1	1	9	1	1	4,690,028	-	11
Train outside yd limits(nonblk),exc spd	2	0.1	-	2	-	2	-	-	501,182	-	-
Failure to comply with restricted speed or its equivalent not in connection with a block or interlocking signal.	49	1.5	15	22	12	7	38	4	2,005,553	-	5
Speed, other	5	0.2	-	4	1	3	2	-	266,413	-	-
Spring Swtch not clear before reverse	4	0.1	-	4	-	2	1	1	195,090	-	-
Switch improperly lined	140	4.4	20	106	14	10	112	18	9,106,364	-	8
Switch not latched or locked	24	0.7	-	23	1	5	16	3	1,127,966	-	2
Switch previously run through	46	1.4	-	45	1	5	33	8	2,029,304	-	2
Use of switches, other	7	0.2	-	6	1	3	3	1	288,856	-	-
Human factors - track	4	0.1	-	3	1	4	-	-	135,258	-	1
Human factors -motive power & equipment	7	0.2	2	3	2	2	5	-	154,096	-	-
Oversized loads or Excess Height/Width cars, mis-routed or switched.	2	0.1	-	-	2	-	1	1	41,731	-	-
Motor car or other on-track equipment rules (other than main track authority) - Failure to Comply.	8	0.2	5	1	2	4	2	2	343,545	-	-
Other train operation/human factors	13	0.4	2	7	4	7	4	2	1,032,260	-	1
Computer system configuration/management error (non vendor)	1	0.0	-	1	-	1	-	-	177,686	-	-
Total	1,045	32.6	177	578	290	186	730	129	75,606,059	-	116

MAJOR CAUSE= Signal Defects

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Classyard autocontrol sys switch fail	6	0.2	-	4	2	-	6	-	105,701	-	-
Class yd auto ctrl sys retarder fail	20	0.6	1	8	11	-	19	1	504,485	-	-
Fixed sig improperly displayed (defect)	1	0.0	1	-	-	-	1	-	40,417	-	-
Power switch failure	8	0.2	1	7	-	1	6	1	555,929	-	1
Other communication equipment failure	2	0.1	-	1	1	1	1	-	455,177	-	-
Computer system design error (vendor)	1	0.0	1	-	-	-	1	-	17,050	-	-
Classification yard automatic control system - Inadequate/insufficient control	7	0.2	1	1	5	-	7	-	156,225	-	-
Other signal failures	5	0.2	1	3	1	4	1	-	1,990,640	-	-
Total	50	1.6	6	24	20	6	42	2	3,825,624	-	1

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

TABLE 5-9
TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2006

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	17	0.5	-	17	-	5	7	5	1,282,373	-	-
Washout/rain/slide/etc. dmg -track	4	0.1	-	4	-	1	1	2	134,104	-	-
Other roadbed defects	2	0.1	-	2	-	1	1	-	2,289,933	-	-
Cross level of track irregular(joints)	38	1.2	-	38	-	18	15	5	5,111,181	-	-
Cross level track irreg.(not at joints)	33	1.0	-	33	-	17	7	9	6,921,218	-	-
Deviate frm uniform top of rail profile	5	0.2	-	5	-	4	1	-	1,207,213	-	-
Disturbed ballast section	1	0.0	-	1	-	1	-	-	81,600	-	-
Insufficient ballast section	1	0.0	-	1	-	-	-	1	22,168	-	-
Superelevation improper, excessive,etc.	6	0.2	-	6	-	2	1	3	1,250,478	-	-
Superelevation runoff improper	1	0.0	-	1	-	1	-	-	95,673	-	-
Trk alignmnt irreg-not buckled/sunkink	13	0.4	-	13	-	8	1	4	1,134,801	-	-
Track alignment irreg(buckled/sunkink)	50	1.6	-	50	-	43	4	3	13,602,649	-	-
Wide gage(defective/missing crossties)	192	6.0	-	191	1	35	96	61	10,289,265	-	4
Wide gage(spikes/other rail fasteners)	29	0.9	-	29	-	5	11	13	4,310,642	-	-
Wide gage(loose,broke, etc, gage rods)	5	0.2	-	5	-	1	1	3	222,691	-	-
Wide gage (due to worn rails)	9	0.3	-	9	-	2	4	3	347,876	-	-
Other track geometry defects	12	0.4	-	10	2	6	5	1	4,491,247	-	-
Bolt hole crack or break	15	0.5	-	14	1	6	5	4	685,325	-	-
Broken base of rail	42	1.3	-	42	-	16	16	10	2,625,693	-	34
Broken weld (plant)	3	0.1	-	3	-	3	-	-	411,000	-	-
Broken weld (field)	11	0.3	-	11	-	10	1	-	7,833,133	-	-
Defective or missing crossties	22	0.7	-	21	1	7	11	4	1,121,950	-	-
Defect/missing spike-oth rail fastener	7	0.2	-	7	-	3	2	2	442,831	-	-
Detail fracture - shelling/head check	59	1.8	-	58	1	25	29	5	15,712,500	-	-
Head and web sep(outside jt bar limit)	32	1.0	-	32	-	8	20	4	2,535,579	-	-
Head & web separation-in jt bar limit	7	0.2	-	7	-	3	4	-	631,136	-	-
Horizontal split head	9	0.3	-	9	-	4	5	-	1,290,770	-	-
Joint bar broken (compromise)	1	0.0	-	1	-	1	-	-	1,768,726	-	-
Joint bar broken (insulated)	3	0.1	-	3	-	3	-	-	2,394,831	-	-
Joint bar broken (noninsulated)	11	0.3	-	11	-	9	2	-	8,971,702	-	1
Joint bolts, broken, or missing	3	0.1	-	3	-	2	1	-	3,313,425	-	-
Mismatched rail-head contour	7	0.2	-	7	-	1	3	3	147,818	-	-
Piped rail	2	0.1	-	2	-	2	-	-	130,000	-	-
Rail defect with joint bar repair	1	0.0	-	1	-	-	1	-	33,682	-	-
Transverse/compound fissure	81	2.5	-	81	-	35	40	6	18,046,407	-	-
Vertical split head	50	1.6	-	50	-	14	28	8	5,589,145	-	-
Worn rail	6	0.2	-	6	-	2	3	1	689,226	-	-
Other rail and joint bar defects	17	0.5	-	17	-	8	6	3	3,972,814	-	-
Derail, defective	3	0.1	-	3	-	-	1	2	121,904	-	-
Guard rail loose/broken or mislocated	3	0.1	-	3	-	-	1	2	39,563	-	-
Retarder worn, broken, malfunctioning	4	0.1	1	-	3	-	4	-	113,498	-	-
Stock rail worn, broken, disconnected	5	0.2	-	5	-	1	3	1	152,772	-	-
Switch (hand op) stand mechanism defect	7	0.2	-	7	-	2	3	2	392,322	-	-
Swth connect/operate rod broke/defect	5	0.2	-	5	-	1	3	1	839,256	-	-
Switch damaged or out of adjustment	32	1.0	-	32	-	-	26	6	1,297,029	-	-
Switch lug/crank broken	2	0.1	-	2	-	-	1	1	50,285	-	-
Switch out of adj. insuff. anchoring	9	0.3	-	9	-	1	7	1	743,886	-	2
Switch point worn or broken	79	2.5	-	79	-	10	42	27	3,998,095	-	15
Switch rod worn, bent, broken, etc.	5	0.2	-	4	1	3	2	-	286,639	-	-
Turnout frog (rigid) worn, or broken	2	0.1	-	2	-	-	2	-	55,473	-	-
Turnout frog (spring) worn, or broken	3	0.1	-	3	-	3	-	-	112,748	-	-
Switch pt gap(btwn swt pt & stock rail)	33	1.0	-	32	1	8	21	4	851,416	-	-
Oth frog, switch, trk appliance defect	25	0.8	-	25	-	6	14	5	3,901,481	-	-

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

TABLE 5-9
TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2006

MAJOR CAUSE= Track Defects

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Bridge misalignment or failure	2	0.1	-	1	1	1	-	1	2,253,174	-	-
Flangeway clogged	1	0.0	-	1	-	-	1	-	8,002	-	-
Engineering design or construction	1	0.0	-	1	-	1	-	-	291,393	-	-
Catenary system defect	30	0.9	-	-	30	25	5	-	877,905	-	-
Other way and structure defect	4	0.1	-	-	4	3	1	-	61,120	-	1
Total	1,062	33.2	1	1,015	46	377	469	216	147,590,766	-	57

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	3	0.1	-	3	-	3	-	-	97,119	-	-
Air hose uncoupled or burst (LOCO)	1	0.0	-	1	-	-	1	-	18,163	-	-
Oth brk component dmg,worn,broke,etc.	5	0.2	-	5	-	2	3	-	328,154	-	-
Brk valve malf. (undesired emergency)	1	0.0	-	1	-	1	-	-	199,630	-	-
Brake valve malf. (stuck brake, etc.)	4	0.1	-	2	2	2	1	1	743,154	-	-
Rigging down or dragging	14	0.4	-	14	-	9	4	1	2,472,523	-	3
Hand brk broken or defective	3	0.1	-	2	1	-	2	1	190,202	-	-
Hand brake broken or defective (LOCO)	1	0.0	-	-	1	-	1	-	16,535	-	-
Other brake defects, cars	2	0.1	-	1	1	1	1	-	68,439	-	-
Other brake defects, (LOCO)	1	0.0	-	-	1	-	1	-	60,000	-	-
Hnd brk link and/or connect defect	2	0.1	-	-	2	-	1	1	30,292	-	-
Broken or defective tiedown equipment	1	0.0	-	1	-	1	-	-	7,855	-	-
Broken or defective trailer	1	0.0	1	-	-	1	-	-	9,261	-	-
Body bolster broken or defective	1	0.0	-	1	-	1	-	-	0	-	-
Center sill broken or bent	9	0.3	-	7	2	7	2	-	742,483	-	-
Draft sill broken or bent	5	0.2	-	4	1	3	2	-	176,219	-	-
Center plate broken or defective	1	0.0	-	1	-	1	-	-	359,474	-	-
Ctr plate disengaged from truck	7	0.2	-	7	-	2	4	1	399,966	-	-
Side sill broken	5	0.2	-	5	-	5	-	-	1,004,946	-	-
Other body defects, (CAR)	7	0.2	-	1	6	4	2	1	2,101,236	-	-
Other body defects, (LOCO)	1	0.0	-	-	1	1	-	-	11,200	-	-
Knuckle broken or defective	4	0.1	2	2	-	2	2	-	334,541	-	-
Coupler mismatch, high/low	2	0.1	-	1	1	-	2	-	33,630	-	-
Coupler drawhead broken or defective	3	0.1	-	3	-	2	1	-	272,990	-	-
Coupler drawhead broke/defect-loco	1	0.0	1	-	-	1	-	-	9,768	-	-
Coupler retainer pin/cross key missing	13	0.4	-	11	2	13	-	-	2,344,487	-	-
Coup. retain pin/cross key missng-loco	1	0.0	-	1	-	1	-	-	9,900	-	-
Draft gear/mechanism broke/defective	3	0.1	-	3	-	1	2	-	118,241	-	-
Coupler carrier broken or defective	4	0.1	-	4	-	1	3	-	2,259,690	-	-
Failure of articulated connectors	2	0.1	-	2	-	2	-	-	49,133	-	-
Oth coupler/draft system defects-car	4	0.1	1	2	1	2	2	-	423,420	-	-
Oth coupler/draft sys defects-loco	1	0.0	1	-	-	1	-	-	157,525	-	1
Side bearing clearance insufficient	21	0.7	-	21	-	10	5	6	1,942,649	-	-
Side bearing clearance excessive	5	0.2	-	5	-	4	-	1	234,341	-	-
Side bearing(s) broken	1	0.0	-	1	-	1	-	-	7,478	-	-
Side bearing(s) missing	-	-	-	-	-	-	-	-	21,800	-	-
Truck bolster broken	2	0.1	-	1	1	1	1	-	46,094	-	-
Side frame broken	4	0.1	-	4	-	4	-	-	996,374	-	-
Truck bolster stiff	16	0.5	-	16	-	8	7	1	3,102,462	-	4
Truck bolster stiff (LOCO)	1	0.0	-	1	-	1	-	-	19,034	-	-
Defective snubbing	5	0.2	-	5	-	4	1	-	565,035	-	-

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

TABLE 5-9
TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2006

MAJOR CAUSE= Mechanical/Electrical

Causes	Total		Type of Accident				Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr		Main	Yard	Other		Kld	Nonfatal
Broken, missing, or defective springs	2	0.1	-	2	-		2	-	-	514,785	-	-
Broken/missing/defective springs (LOCO)	1	0.0	-	1	-		-	1	-	20,715	-	-
Other truck component defects, (CAR)	2	0.1	-	2	-		-	2	-	135,975	-	-
Truck bolster stiff (failure to slew)	4	0.1	-	4	-		1	2	1	148,095	-	-
Truck hunting	7	0.2	-	7	-		7	-	-	1,621,315	-	-
Broken/bent axle between wheel seats	10	0.3	-	10	-		10	-	-	3,040,190	-	-
Broke/bent axle btwn wheel seats-loco	5	0.2	-	5	-		5	-	-	447,086	-	-
Journal (plain) failure from overheat	1	0.0	-	-	1		1	-	-	11,145	-	-
Journal (roller bearing) overheating	29	0.9	-	28	1		28	1	-	5,625,480	-	1
Journal(roller bearing)overheat-LOCO	1	0.0	-	1	-		1	-	-	31,266	-	-
Journal fractured, new cold break	6	0.2	-	6	-		6	-	-	3,907,500	-	-
Oth axle/journal bearing defect-car	1	0.0	-	1	-		1	-	-	133,000	-	-
Broken flange	3	0.1	-	3	-		2	1	-	242,462	-	-
Broken rim	15	0.5	-	15	-		15	-	-	3,726,421	-	-
Broken plate	4	0.1	-	4	-		4	-	-	1,564,464	-	-
Worn Flange	7	0.2	-	7	-		1	5	1	324,951	-	-
Worn flange (LOCO)	1	0.0	-	1	-		-	1	-	94,960	-	-
Worn tread	1	0.0	-	1	-		1	-	-	125,335	-	-
Damaged flange or tread (flat) (LOCO)	1	0.0	-	1	-		-	1	-	9,691	-	-
Damaged flange or tread (build up)	15	0.5	-	15	-		13	2	-	874,191	-	-
Loose wheel	4	0.1	-	4	-		3	1	-	1,651,086	-	-
Other wheel defects (CAR)	2	0.1	-	2	-		2	-	-	721,904	-	-
Other wheel defects (LOCO)	4	0.1	-	4	-		3	1	-	110,801	-	-
Thermal crack, flange or tread	1	0.0	-	1	-		1	-	-	137,693	-	-
Traction motor failure (LOCO)	3	0.1	-	1	2		3	-	-	180,645	-	-
Oil or fuel fire (LOCO)	1	0.0	-	-	1		1	-	-	830,000	-	-
Electrically caused fire (LOCO)	7	0.2	-	-	7		7	-	-	1,255,882	-	3
Current collector system (LOCO)	1	0.0	-	-	1		1	-	-	65,412	-	-
Pantograph defect (LOCO)	24	0.7	-	-	24		22	2	-	530,001	-	-
Other LOCO defects	4	0.1	-	2	2		2	2	-	780,435	-	-
Third rail shoe or shoe beam (LOCO)	1	0.0	-	-	1		1	-	-	11,000	-	-
Bottom outlet car door open	2	0.1	-	2	-		1	1	-	85,641	-	-
Bottom outlet door attachment defect	2	0.1	-	2	-		-	2	-	96,590	-	-
Other car door defects	2	0.1	-	2	-		1	-	1	46,503	-	-
Other mechanical/electrical failures	2	0.1	-	1	1		1	1	-	24,039	-	-
Total	344	10.7	6	274	64		250	77	17	51,112,102	-	12

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	25	0.8	-	21	-	4	6	12	7	1,055,546	-	2
Extreme environmental - TORNADO	1	0.0	-	1	-	-	-	-	1	9,646	-	-
Extreme environmental - FLOOD	3	0.1	-	1	-	2	1	-	2	200,420	-	-
Extreme wind velocity	17	0.5	-	12	-	5	12	3	2	9,844,650	-	-
Other extreme environmental conditions	5	0.2	-	1	-	4	3	2	-	712,952	-	1
Load shifted	14	0.4	1	11	-	2	9	3	2	1,530,306	-	1
Load fell from car	3	0.1	-	2	-	1	1	2	-	325,893	-	-
Overloaded car	3	0.1	-	3	-	-	1	1	1	403,963	-	-
Improperly loaded car	21	0.7	-	19	-	2	13	6	2	2,561,261	-	-

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

TABLE 5-9
TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2006

MAJOR CAUSE= Miscellaneous

Causes	Total		Type of Accident				Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	HRC	Othr	Main	Yard	Other		Kld	Nonfatal
Overloaded container/trailer on flat car	1	0.0	-	1	-	-	-	1	-	11,080	-	-
Improperly loaded contain/trail on car	2	0.1	-	1	-	1	2	-	-	77,362	-	-
Miscellaneous loading procedures	4	0.1	-	4	-	-	1	1	2	314,351	-	-
Hwy user impairment-drug/alcohol use	3	0.1	-	-	3	-	2	1	-	37,449	2	-
Highway user inattentiveness	90	2.8	-	-	90	-	84	5	1	3,226,090	32	79
Hwy user misjudgement	24	0.7	-	-	24	-	23	1	-	5,095,543	10	38
Highway user cited for violation	72	2.2	-	-	72	-	69	1	2	3,884,718	1	78
Hwy user unaware,environmental factor	1	0.0	-	-	1	-	1	-	-	8,000	-	-
Malf.,improper op. of trn act. warning	1	0.0	-	-	1	-	1	-	-	10,860	-	2
Highway user deliberately disregarded crossing warning devices	22	0.7	-	-	22	-	21	-	1	1,712,165	8	14
Other causes (highway-rail collisions)	38	1.2	-	-	38	-	37	1	-	1,483,941	6	14
Emergency brke appl. to avoid accident	4	0.1	-	4	-	-	3	1	-	221,468	1	-
Object/equipment (mtr veh) on track	15	0.5	-	-	-	15	13	2	-	309,582	3	5
Obj/equip on/fouling track, other	43	1.3	-	12	-	31	23	14	6	1,528,035	-	1
Harmonic rock off, etc.	76	2.4	-	76	-	-	19	51	6	8,958,647	-	1
Fire, other than vandalism	10	0.3	-	-	-	10	9	1	-	501,099	-	2
Auto hump retarder failed to slow car	22	0.7	1	4	-	17	-	22	-	536,247	-	1
Yard skate slid and failed to stop car	11	0.3	2	-	-	9	-	11	-	353,674	-	-
Lading chains/straps fouling switches	6	0.2	-	5	-	1	3	3	-	595,578	-	3
Lading chains or straps fouling wheels	3	0.1	-	2	-	1	-	3	-	253,726	-	-
Passed couplers (automated classification yard)	35	1.1	-	18	-	17	-	35	-	907,913	-	-
Interference(not vandals)with RR op.	15	0.5	2	7	-	6	3	1	11	532,045	-	2
Vandalism of on-track equipment	13	0.4	-	6	-	7	4	4	5	662,693	-	1
Vandalism of track or track appliances	33	1.0	-	30	-	3	7	23	3	1,661,519	-	1
Fail by non-rr empto control spd of car	16	0.5	1	13	-	2	3	5	8	2,762,225	2	-
Track damage caused by non-railroad interference with track structure	3	0.1	-	2	-	1	2	1	-	35,958	-	-
Investigation complete, cause could not be determined	18	0.6	-	6	-	12	5	13	-	1,839,769	-	-
Other miscellaneous causes	28	0.9	1	18	-	9	11	13	4	2,024,039	-	1
Total	701	21.9	8	280	251	162	392	243	66	56,190,413	65	247

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

TABLE 5-10
TRAIN ACCIDENTS BY TYPE TRACK AND CLASS, 2006

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	175	5.5	3	144	2	26	11,733,577	-	2	21	2	46	23	2	81	
	2	210	6.6	9	169	12	20	37,758,457	-	37	32	12	30	33	-	103	
	3	222	6.9	9	142	35	36	50,469,152	6	102	59	35	41	23	2	62	
	4	405	12.6	16	192	141	56	108,148,115	37	194	88	141	52	41	1	82	
	5	135	4.2	4	56	48	27	31,465,757	20	54	36	48	9	29	1	12	
	6	13	0.4	-	3	-	10	1,951,191	-	2	8	-	-	2	-	3	
	?	10	0.3	-	-	-	10	1,585,444	-	5	5	-	2	2	-	1	
	X	41	1.3	1	39	-	1	1,626,316	-	-	1	-	6	1	-	33	
	-Sub	1,211	37.8	42	745	238	186	244,738,009	63	396	250	238	186	154	6	377	
Yard	1	1,388	43.3	123	937	6	322	55,247,828	1	18	66	6	659	211	38	408	
	2	100	3.1	8	73	2	17	6,362,103	-	5	5	2	46	13	4	30	
	3	8	0.2	-	6	-	2	565,181	-	-	1	-	4	-	-	3	
	4	6	0.2	1	2	1	2	563,641	-	-	1	1	1	1	-	2	
	5	2	0.1	-	1	-	1	109,607	-	-	-	-	-	1	-	1	
	X	57	1.8	4	47	-	6	1,608,917	-	1	4	-	20	8	-	25	
	-Sub	1,561	48.8	136	1,066	9	350	64,457,277	1	24	77	9	730	234	42	469	
Siding	1	55	1.7	3	49	-	3	5,378,126	-	4	2	-	24	10	-	19	
	2	25	0.8	2	21	-	2	4,483,592	-	3	4	-	12	-	-	9	
	3	10	0.3	3	5	-	2	923,223	-	-	-	-	5	-	-	5	
	4	8	0.2	-	7	-	1	859,107	-	-	1	-	2	1	-	4	
	X	8	0.2	-	5	-	3	266,492	-	-	1	-	1	2	-	4	
	-Sub	106	3.3	8	87	-	11	11,910,540	-	7	8	-	44	13	-	41	
Industry	1	266	8.3	11	223	3	29	9,843,854	1	5	8	3	72	39	2	142	
	2	13	0.4	-	10	1	2	1,476,886	-	1	-	1	3	1	-	8	
	3	2	0.1	-	2	-	-	60,255	-	-	-	-	-	1	-	1	
	4	1	0.0	-	1	-	-	39,649	-	-	-	-	-	-	-	1	
	X	41	1.3	1	36	-	4	1,793,450	-	-	1	-	10	7	-	23	
	-Sub	323	10.1	12	272	4	35	13,214,094	1	6	9	4	85	48	2	175	
Other	?	1	0.0	-	1	-	-	5,044	-	-	-	-	-	1	-	-	
	-Sub	1	0.0	-	1	-	-	5,044	-	-	-	-	-	1	-	-	
Total		3,202	100	198	2,171	251	582	334,324,964	65	433	344	251	1,045	450	50	1,062	

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

TABLE 5-11
TRAIN ACCIDENTS BY TYPE TRACK AND CONSIST SPEED, 2006

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	?	27	0.8	-	10	1	16	1,663,673	-	4	6	1	5	14	1	-
	1 - 9	257	8.0	9	206	8	34	21,738,292	1	15	32	8	82	27	1	107
	10-19	224	7.0	16	171	13	24	27,163,893	1	62	45	13	44	23	1	98
	20-29	204	6.4	11	147	26	20	50,096,969	-	39	43	26	27	33	1	74
	30-39	147	4.6	4	84	41	18	48,064,144	6	87	42	41	14	16	2	32
	40-49	167	5.2	-	86	63	18	51,561,760	12	75	46	63	5	13	-	40
	50-59	80	2.5	-	32	33	15	29,431,209	13	28	20	33	3	11	-	13
	60-69	52	1.6	2	5	25	20	5,534,950	12	47	8	25	3	10	-	6
	>= 70	53	1.7	-	4	28	21	9,483,119	18	39	8	28	3	7	-	7
	-Sub	1,211	37.8	42	745	238	186	244,738,009	63	396	250	238	186	154	6	377
Yard	?	29	0.9	-	8	-	21	612,621	-	-	2	-	6	17	-	4
	1 - 9	1,355	42.3	121	938	6	290	50,679,601	1	16	68	6	651	185	37	408
	10-19	165	5.2	15	113	2	35	12,355,219	-	7	5	2	71	30	5	52
	20-29	8	0.2	-	6	-	2	645,925	-	1	1	-	2	2	-	3
	30-39	1	0.0	-	1	-	-	110,402	-	-	1	-	-	-	-	-
	40-49	1	0.0	-	-	1	-	20,000	-	-	-	1	-	-	-	-
	60-69	1	0.0	-	-	-	1	10,500	-	-	-	-	-	-	-	1
	>= 70	1	0.0	-	-	-	1	23,009	-	-	-	-	-	-	-	1
	-Sub	1,561	48.8	136	1,066	9	350	64,457,277	1	24	77	9	730	234	42	469
	Siding	?	5	0.2	-	2	-	3	176,507	-	-	-	-	-	5	-
1 - 9		56	1.7	2	52	-	2	2,924,221	-	-	2	-	29	4	-	21
10-19		31	1.0	3	25	-	3	2,636,648	-	2	6	-	9	4	-	12
20-29		10	0.3	2	7	-	1	1,341,294	-	-	-	-	3	-	-	7
30-39		3	0.1	-	1	-	2	2,297,770	-	2	-	-	2	-	-	1
50-59		1	0.0	1	-	-	-	2,534,100	-	3	-	-	1	-	-	-
-Sub		106	3.3	8	87	-	11	11,910,540	-	7	8	-	44	13	-	41
Industry		?	6	0.2	-	4	-	2	113,079	-	-	-	-	2	3	-
	1 - 9	300	9.4	10	255	4	31	10,390,214	1	4	9	4	77	42	2	166
	10-19	14	0.4	1	12	-	1	1,645,021	-	-	-	-	4	3	-	7
	20-29	2	0.1	1	1	-	-	670,539	-	-	-	-	1	-	-	1
	40-49	1	0.0	-	-	-	1	395,241	-	2	-	-	1	-	-	-
	-Sub	323	10.1	12	272	4	35	13,214,094	1	6	9	4	85	48	2	175
Other	1 - 9	1	0.0	-	1	-	-	5,044	-	-	-	-	-	1	-	-
	-Sub	1	0.0	-	1	-	-	5,044	-	-	-	-	-	1	-	-
Total		3,202	100	198	2,171	251	582	334,324,964	65	433	344	251	1,045	450	50	1,062

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

TABLE 5-12
TRAIN ACCIDENTS BY WEATHER CONDITION, 2006

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	90	2.8	4	56	6	24	17,800,575	3	12	13	6	32	7	1	31	
	Cloudy	27	0.8	2	19	1	5	2,079,665	-	3	6	1	6	3	1	10	
	Rain	9	0.3	-	6	1	2	902,899	-	1	-	1	4	2	-	2	
	Fog	2	0.1	-	2	-	-	27,828	-	-	-	-	2	-	-	-	
	Snow	1	0.0	-	-	-	1	231,928	-	2	-	-	1	-	-	-	
	-- Sub	129	4.0	6	83	8	32	21,042,895	3	18	19	8	45	12	2	43	
Day	Clear	1,193	37.3	74	770	154	195	124,191,293	39	242	112	154	350	157	13	407	
	Cloudy	338	10.6	21	218	43	56	33,466,131	11	65	38	43	86	42	8	121	
	Rain	92	2.9	8	59	8	17	14,247,068	2	12	6	8	23	23	2	30	
	Fog	7	0.2	1	5	-	1	492,572	-	2	1	-	3	-	-	3	
	Snow	15	0.5	1	11	2	1	860,425	-	-	-	2	5	3	-	5	
	-- Sub	1,645	51.4	105	1,063	207	270	173,257,489	52	321	157	207	467	225	23	566	
Dusk	Clear	84	2.6	5	57	3	19	5,935,905	-	2	10	3	36	12	-	23	
	Cloudy	29	0.9	-	22	1	6	5,263,740	-	4	2	1	12	5	-	9	
	Rain	6	0.2	1	4	-	1	119,024	-	-	-	-	2	2	-	2	
	Snow	2	0.1	-	2	-	-	163,670	-	-	1	-	-	1	-	-	
	-- Sub	121	3.8	6	85	4	26	11,482,339	-	6	13	4	50	20	-	34	
Dark	Clear	825	25.8	57	591	21	156	82,646,082	5	61	96	21	315	104	19	270	
	Cloudy	301	9.4	16	225	5	55	26,034,543	1	17	40	5	111	49	4	92	
	Rain	117	3.7	6	76	4	31	10,708,359	1	7	11	4	40	24	-	38	
	Fog	33	1.0	-	24	2	7	3,028,928	-	1	7	2	7	9	1	7	
	Sleet	3	0.1	-	2	-	1	517,114	3	2	-	-	-	1	-	2	
	Snow	28	0.9	2	22	-	4	5,607,215	-	-	1	-	10	6	1	10	
-- Sub	1,307	40.8	81	940	32	254	128,542,241	10	88	155	32	483	193	25	419		
Total		3,202	100	198	2,171	251	582	334,324,964	65	433	344	251	1,045	450	50	1,062	

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

TABLE 5-13
TRAIN ACCIDENTS BY CONSIST LENGTH, 2006

Length	Consists		Type of Accident				Equipment Damage		Causes						
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Eqp	HRC	Hmn	Othr	Sig	Trk	
???	2	0.1	-	2	-	-	4,534,857	2.0	-	-	1	1	-	-	-
1	269	7.1	48	54	5	162	5,095,476	2.3	13	5	154	54	18	25	
2-5	442	11.7	53	159	30	200	8,736,986	3.9	10	30	246	73	17	66	
6-10	329	8.7	24	151	37	117	11,618,534	5.2	34	37	115	36	5	102	
11-15	183	4.8	15	102	16	50	4,219,364	1.9	7	16	77	25	4	54	
16-20	155	4.1	19	99	6	31	4,300,873	1.9	8	6	78	13	3	47	
21-25	169	4.5	14	109	5	41	3,879,206	1.7	4	5	73	21	4	62	
26-30	151	4.0	13	111	8	19	6,389,169	2.9	6	8	62	20	1	54	
31-35	140	3.7	17	103	2	18	5,512,942	2.5	9	2	59	22	1	47	
36-40	141	3.7	15	98	5	23	4,116,772	1.9	12	5	64	22	4	34	
41-45	140	3.7	13	96	12	19	6,988,654	3.2	8	12	47	15	1	57	
46-50	106	2.8	12	75	7	12	6,433,933	2.9	16	7	40	9	1	33	
51-60	209	5.5	18	147	13	31	10,175,285	4.6	18	13	71	25	3	79	
61-70	228	6.0	29	154	18	27	18,364,981	8.3	15	18	82	38	1	74	
71-80	216	5.7	23	149	15	29	18,791,644	8.5	32	15	65	25	3	76	
81-90	159	4.2	13	122	12	12	14,537,635	6.6	22	12	36	20	3	66	
91-100	184	4.9	12	139	14	19	16,535,334	7.5	33	14	50	26	2	59	
101-110	173	4.6	10	118	24	21	16,897,475	7.6	33	24	41	16	-	59	
111-120	130	3.4	9	101	7	13	14,417,285	6.5	27	7	40	11	1	44	
121-130	107	2.8	10	82	10	5	9,725,099	4.4	22	10	31	17	-	27	
131-140	95	2.5	4	72	6	13	25,537,821	11.5	17	6	19	17	1	35	
141-150	30	0.8	3	25	1	1	4,087,942	1.8	6	1	9	2	-	12	
>= 151	25	0.7	3	20	-	2	819,392	0.4	7	-	12	3	-	3	
Total	3,783	100	377	2,288	253	865	221,716,659	100.0	359	253	1,472	511	73	1,115	

*Coll = collision, Der = derailment, HRC = highway-rail crossing, Othr = other
EQP = equipment(on-track), 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, 2006

Track - Equipment		Consists		Avg Len. Coll		Type of Accident				Primary Cause					
		Cnt	%			Der	HRC	Othr	Eqp	HRC	Hmn	Othr	Sig	Trk	
Main	Freight Train	969	25.6	80	23	644	164	63	200	164	123	104	3	300	
	Psgr Train	126	3.3	8	2	11	26	54	23	26	3	15	2	24	
	Commuter Train	47	1.2	7	2	1	12	21	7	12	3	5	-	9	
	Work Train	8	0.2	20	1	3	1	1	2	1	1	1	-	1	
	Single Car	9	0.2	7	-	-	-	4	-	-	-	4	-	-	
	Cut of Cars	10	0.3	34	-	1	-	4	-	-	3	2	-	-	
	Yard/ Switch	48	1.3	46	2	33	1	4	1	1	15	6	1	16	
	Light loco(s)	17	0.4	2	2	4	2	4	-	2	10	-	-	-	
	Maint/ Insp car	25	0.7	1	3	5	1	8	-	1	10	5	-	1	
	Spec MOW Eqp	27	0.7	2	1	6	3	11	1	3	11	4	-	2	
	-Sub total	1,286	34.0	63	36	708	210	174	234	210	179	146	6	353	
Yard	Freight Train	422	11.2	68	21	308	2	33	16	2	146	32	-	168	
	Psgr Train	16	0.4	8	2	4	-	6	2	-	5	1	-	4	
	Commuter Train	12	0.3	8	-	4	-	5	-	-	5	1	-	3	
	Work Train	5	0.1	43	-	4	-	1	1	-	1	-	-	3	
	Single Car	139	3.7	1	5	11	-	50	2	-	29	19	10	6	
	Cut of Cars	214	5.7	22	10	43	-	58	3	-	67	31	4	6	
	Yard/ Switch	1,080	28.5	40	82	609	5	174	48	5	410	136	26	245	
	Light loco(s)	119	3.1	2	16	43	2	20	3	2	54	4	2	16	
	Spec MOW Eqp	4	0.1	1	-	-	-	2	-	-	2	-	-	-	
	-Sub total	2,011	53.2	38	136	1,026	9	349	75	9	719	224	42	451	
Siding	Freight Train	80	2.1	70	6	63	-	2	5	-	23	5	-	38	
	Psgr Train	2	0.1	7	-	1	-	-	-	-	-	-	-	1	
	Single Car	3	0.1	1	-	-	-	2	1	-	-	1	-	-	
	Cut of Cars	7	0.2	31	1	2	-	3	-	-	3	3	-	-	
	Yard/ Switch	17	0.4	48	-	15	-	-	2	-	10	2	-	1	
	Light loco(s)	5	0.1	2	-	3	-	1	-	-	4	-	-	-	
	Maint/ Insp car	1	0.0	1	-	-	-	1	-	-	1	-	-	-	
	Spec MOW Eqp	5	0.1	1	1	1	-	1	-	-	1	2	-	-	
	-Sub total	120	3.2	55	8	85	-	10	8	-	42	13	-	40	
	Industry	Freight Train	135	3.6	63	4	108	2	10	6	2	30	23	1	62
Work Train		1	0.0	17	-	1	-	-	-	-	-	-	-	1	
Single Car		18	0.5	6	3	8	-	-	1	-	4	3	-	3	
Cut of Cars		21	0.6	10	-	6	-	4	-	-	3	5	1	1	
Yard/ Switch		163	4.3	38	2	128	1	18	2	1	36	16	-	94	
Light loco(s)		20	0.5	2	2	11	-	-	-	-	4	1	-	8	
Maint/ Insp car		1	0.0	5	-	-	-	1	-	-	1	-	-	-	
Spec MOW Eqp		6	0.2	1	1	-	1	2	-	1	3	-	-	-	
-Sub total		365	9.6	41	12	262	4	35	9	4	81	48	2	169	
Other	Yard/ Switch	1	0.0	13	-	1	-	-	-	-	-	1	-	-	
	-Sub total	1	0.0	13	-	1	-	-	-	-	-	1	-	-	
Total		3,783	100	48	192	2,082	223	568	326	223	1,021	432	50	1,013	

*Coll = collision, Der = derailment, HRC = highway-rail crossing, Othr = other
EQP = equipment(on-track), 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, 2006

Length	Freight Train	Psgr Train	Commuter Train	Work Train	Single Car	Cut of Cars	Yard/ Switch	Light loco(s)	Maint/ Insp car	Spec MOW Eqp
???	1	-	-	-	-	-	-	1	-	-
1	-	1	-	-	166	-	-	43	23	36
2-5	22	32	16	5	1	111	137	109	4	5
6-10	37	87	34	-	-	24	139	8	-	-
11-15	43	21	9	-	-	25	84	-	-	1
16-20	50	2	-	2	-	13	88	-	-	-
21-25	48	1	-	-	-	16	104	-	-	-
26-30	56	-	-	-	-	8	87	-	-	-
31-35	48	-	-	2	-	5	85	-	-	-
36-40	53	-	-	1	-	6	81	-	-	-
41-45	66	-	-	1	-	2	71	-	-	-
46-50	57	-	-	2	-	3	44	-	-	-
51-60	108	-	-	-	1	7	93	-	-	-
61-70	144	-	-	-	-	7	77	-	-	-
71-80	156	-	-	-	-	10	50	-	-	-
81-90	117	-	-	-	-	2	40	-	-	-
91-100	143	-	-	1	1	4	35	-	-	-
101-110	135	-	-	-	-	4	34	-	-	-
111-120	107	-	-	-	-	1	22	-	-	-
121-130	92	-	-	-	-	2	13	-	-	-
131-140	82	-	-	-	-	1	12	-	-	-
141-150	23	-	-	-	-	1	6	-	-	-
>= 151	18	-	-	-	-	-	7	-	-	-
Total	1,606	144	59	14	169	252	1,309	161	27	42

TABLE 5-16
INVOLVEMENT IN TRAIN ACCIDENTS BY TYPE CONSIST, 2006

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	1,564	43.5	85	1,183	170	126	945	409	75	135	-	237	170	375	170	4	608	
Psgr Train	141	3.9	4	22	47	68	125	14	2	-	-	27	47	11	20	2	34	
Commuter Train	56	1.6	4	7	14	31	45	11	-	-	-	9	14	10	7	-	16	
Work Train	14	0.4	1	8	1	4	8	5	-	1	-	3	1	3	1	-	6	
Single Car	153	4.3	20	31	-	102	9	124	3	17	-	7	-	78	38	15	15	
Cut of Cars	233	6.5	23	87	2	121	10	198	7	18	-	5	2	145	55	10	16	
Yard/ Switch	1,224	34.1	112	837	9	266	47	1,001	17	158	1	56	9	571	179	33	376	
Light loco(s)	153	4.3	32	70	4	47	16	112	5	20	-	5	4	107	6	2	29	
Maint/ Insp car	21	0.6	4	5	1	11	19	-	1	1	-	-	1	14	5	-	1	
Spec MOW Eqp	33	0.9	5	8	4	16	22	3	4	4	-	1	4	19	6	-	3	
Total	3,592	100	290	2,258	252	792	1,246	1,877	114	354	1	350	252	1,333	487	66	1,104	

TABLE 5-17
DAMAGE BY TRACK TYPE, 2006

Track	Total Damage		Equip Damage		Track Damage	
	Amount	Avg	Amount	Avg	Amount	Avg
Main	244,738,009	167,171	161,563,141	110,357	83,174,868	56,813
Yard	64,457,277	30,826	42,886,541	20,510	21,570,736	10,316
Siding	11,910,540	93,784	8,210,345	64,648	3,700,195	29,135
Industry	13,214,094	34,774	9,081,182	23,898	4,132,912	10,876
Other	5,044	5,044	5,044	5,044	0	0
Total	334,324,964	82,285	221,746,253	54,577	112,578,711	27,708

TABLE 5-18
DAMAGE BY CONSIST TYPE, 2006

Type Equipment	Total Damage		Equip Damage		Track Damage	
	Amount	Avg	Amount	Avg	Amount	Avg
Freight Train	241,111,629	150,132	164,745,338	102,581	76,366,291	47,551
Psgr Train	9,016,474	62,614	8,608,280	59,780	408,194	2,835
Commuter Train	3,612,945	61,236	3,325,915	56,371	287,030	4,865
Work Train	464,323	33,166	173,065	12,362	291,258	20,804
Single Car	2,011,305	11,901	1,634,738	9,673	376,567	2,228
Cut of Cars	4,372,255	17,350	3,998,237	15,866	374,018	1,484
Yard/ Switch	44,404,833	33,923	27,729,508	21,184	16,675,325	12,739
Light loco(s)	8,165,776	50,719	7,329,356	45,524	836,420	5,195
Maint/ Insp car	1,687,123	62,486	1,536,123	56,893	151,000	5,593
Spec MOW Eqp	5,335,937	127,046	2,636,099	62,764	2,699,838	64,282
Other	14,142,364	50,508	29,594	106	14,112,770	50,403
Total	334,324,964	82,285	221,746,253	54,577	112,578,711	27,708

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 and in 2006 it was \$7,700.

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

Additional information concerning any unintentional release of hazardous material during transportation by rail or other modes, 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, 2006

Railroad	Hazmat Consists			Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing		Cnt	Damaged	Releasing	Cnt	People
Alton & Southern	1	-	-	75	17	-	-	-	-
Burlington Northern Santa Fe	310	140	7	18,653	3,673	315	10	3	500
Buffalo & Pittsburg	1	-	-	30	1	-	-	-	-
Belt Rwy Of Chicago	7	4	1	89	8	4	1	-	-
Canadian National	43	30	1	2,893	389	77	2	2	91
Canadian Pacific	7	4	-	542	81	6	-	1	2
Conrail Shared Assets	3	-	-	44	5	-	-	-	-
CSX Transportation	136	58	6	8,426	1,446	146	8	6	566
Dakota,Minnesota & Eastern	13	2	1	1,149	232	10	7	1	12
Florida East Coast	6	1	-	378	17	1	-	-	-
Guilford Rail System	6	1	-	342	29	4	-	1	30
Indiana Harbor Belt	4	1	-	122	11	1	-	-	-
Kansas City Southern	20	10	-	1,133	148	36	-	-	-
Mass Bay Transit Auth.	-	-	-	-	0	0	0	-	200
Montreal, Maine & Atlantic	6	4	-	187	26	14	-	-	-
Metro North Commuter	-	-	-	-	0	0	0	-	1
Montana Rail Link	7	5	1	531	123	21	1	1	9
Norfolk Southern Corp.	49	16	5	3,296	386	83	27	5	2,175
Paducah & Louisville	2	-	-	109	32	-	-	-	-
Port Terminal RR Assn	1	-	-	30	6	-	-	-	-
Term RR Assn Of St. Louis	2	2	-	96	3	3	-	-	-
Union Pacific	195	85	4	12,435	2,284	216	6	1	71
Wheeling & Lake Erie	5	3	-	212	37	3	-	-	-
Wisconsin & Southern RR	1	1	-	93	19	2	-	-	-
Other Railroads	63	41	2	3,111	544	104	7	1	225
Total	888	408	28	53,976	9,517	1,046	69	22	3,882

TABLE 6-2
CONSISTS TRANSPORTING HAZMAT, BY STATE, 2006

States	Hazmat Consists			Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing		Cnt	Damaged	Releasing	Cnt	People
Alabama	38	18	2	2,406	368	57	2	1	1,950
Arizona	24	13	2	1,384	232	29	8	-	-
Arkansas	25	11	-	1,587	231	26	-	-	-
California	44	24	3	2,091	407	59	3	1	50
Colorado	15	8	-	894	298	9	-	-	-
Connecticut	-	-	-	-	0	0	0	-	1
Delaware	1	1	-	33	16	4	-	-	-
Florida	12	4	-	828	135	7	-	-	-
Georgia	23	10	2	1,407	205	19	2	1	2
Idaho	9	6	-	649	66	12	-	-	-
Illinois	72	29	2	4,591	744	80	4	3	181
Indiana	11	3	1	811	57	8	1	-	-
Iowa	8	-	-	568	82	-	-	-	-
Kansas	43	18	2	2,841	526	45	4	1	100
Kentucky	11	1	-	708	81	1	-	-	-
Louisiana	44	25	1	2,387	551	73	2	-	-
Maine	11	5	-	438	51	18	-	1	30
Maryland	7	3	-	330	75	8	-	1	100
Massachusetts	5	4	-	257	22	12	0	-	200
Michigan	7	5	-	420	38	7	-	-	-
Minnesota	17	8	1	1,180	250	25	7	2	14
Mississippi	11	7	-	786	95	13	-	-	-
Missouri	16	8	-	1,405	129	14	-	-	-
Montana	22	10	1	1,668	338	40	1	1	9
Nebraska	10	5	-	452	47	8	-	-	-
Nevada	2	2	-	139	5	5	-	-	-
New Jersey	4	2	-	170	27	2	-	1	225
New Mexico	12	5	-	484	87	8	-	-	-
New York	25	8	-	1,469	299	29	-	-	-
North Carolina	11	1	-	655	141	1	-	-	-
North Dakota	6	3	-	430	36	3	-	-	-
Ohio	28	16	2	1,788	389	37	2	1	400
Oklahoma	34	9	-	2,391	277	22	-	-	-
Oregon	16	7	-	1,075	142	8	-	-	-
Pennsylvania	20	8	4	1,016	133	45	26	3	160
South Carolina	3	3	-	98	7	6	-	-	-
South Dakota	2	1	-	133	5	1	-	-	-
Tennessee	32	14	1	2,257	242	27	2	3	99
Texas	138	71	4	7,589	1,880	207	5	1	350
Utah	5	3	-	330	45	9	-	-	-
Vermont	1	1	-	8	3	1	-	-	-
Virginia	10	2	-	671	81	2	-	1	7
Washington	34	17	-	1,784	406	45	-	-	-
West Virginia	1	1	-	90	12	3	-	-	-
Wisconsin	10	4	-	631	135	4	0	-	4
Wyoming	8	4	-	647	121	7	-	-	-
Total	888	408	28	53,976	9,517	1,046	69	22	3,882

TABLE 6-3
CONSISTS TRANSPORTING HAZMAT, BY SUBCAUSE, 2006

Causes	Hazmat Consists			Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing		Cnt	Damaged	Releasing	Cnt	People
Brakes	15	7	-	1,329	357	20	-	1	100
Trailer/Container on Flatcar	1	-	-	52	1	-	-	-	-
Body	13	4	1	1,198	129	13	1	-	-
Coupler & Draft System	14	5	1	937	153	17	3	2	100
Truck Components	24	10	1	1,940	344	49	1	1	350
Axles & Journal Bearings	14	5	-	1,315	229	22	-	1	75
Wheels	13	6	-	1,096	264	16	-	-	-
Locomotives	2	-	-	189	48	-	-	-	-
Doors	1	-	-	42	2	-	-	-	-
Brakes, Use of	36	18	-	1,330	338	35	-	-	-
Flagging, Fixed, Hand & Radio	13	3	1	970	187	4	1	1	400
General Switching Rules	156	77	4	6,868	1,196	139	5	1	7
Main Track Authority	5	-	-	392	59	-	-	-	-
Train Handling/Makeup	51	16	1	4,675	636	56	1	1	40
Speed	30	10	2	1,505	211	20	4	2	1,970
Switches, Use of	60	26	1	3,491	511	53	1	1	50
Miscellaneous Human Factors	6	2	-	620	108	6	-	1	2
Environmental Conditions	6	3	-	335	63	3	-	-	-
Loading Procedures	17	9	1	1,006	134	16	1	-	-
Highway-Rail Incidents	66	6	-	4,368	620	9	0	-	200
Unusual Operational Situations	58	27	1	3,015	505	57	2	2	14
Other Miscellaneous Causes	17	12	-	914	214	37	0	-	1
Signal Defects	20	10	1	630	159	13	1	-	-
Roadbed	3	2	-	144	29	4	-	-	-
Track Geometry	99	58	4	6,298	1,104	148	7	2	130
Rail, Joint Bar & Anchors	116	74	9	7,530	1,426	259	41	6	439
Frogs, Switches, Appliances	31	18	-	1,747	454	50	-	-	-
Other Track Defects	1	-	-	40	36	0	0	-	4
Total	888	408	28	53,976	9,517	1,046	69	22	3,882

TABLE 6-4
CONSISTS TRANSPORTING HAZMAT, BY ACCIDENT TYPE, 2006

Type Accident	Hazmat Consists			Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing		Cnt	Damaged	Releasing	Cnt	People
Derailments	580	303	22	37,975	6,871	863	63	21	1,731
Head on collision	7	3	1	480	106	5	1	-	-
Rear end collision	8	2	2	562	59	4	2	1	1,950
Side collision	59	22	1	3,325	539	34	1	-	-
Raking collision	14	1	-	888	78	2	-	-	-
Broken train coll.	3	-	-	318	59	-	-	-	-
Highway-rail Impact	66	6	-	4,368	620	9	0	-	200
Obstruction impact	10	2	-	616	150	3	0	-	1
Fire/violent rupture	3	-	-	287	52	-	-	-	-
Other impacts	128	67	2	4,610	923	123	2	-	-
Other events	10	2	-	547	60	3	-	-	-
Total	888	408	28	53,976	9,517	1,046	69	22	3,882

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 and in 2006 it was \$7,700.

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

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

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

Each reportable casualty resulting from a highway-rail crossing impact must also be reported on Form FRA F 6180.55a.

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

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TABLE 7-1
TOTAL HIGHWAY-RAIL INCIDENTS BY RAILROAD, 2006

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
Alaska RR Corp.	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Amtrak	133	49	91	91	27	51	19	12	9	21	8	30	2	2	1
Burlington Northern Santa Fe	392	58	180	320	43	160	15	8	5	56	6	15	1	1	-
Buffalo & Pittsburg	3	-	1	2	-	-	-	-	-	1	-	1	-	-	-
Belt Rwy Of Chicago	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Canadian National	147	18	40	122	15	36	3	1	-	22	2	4	-	-	-
Canadian Pacific	24	1	12	22	1	11	-	-	-	2	-	1	-	-	-
Conrail Shared Assets	26	-	6	26	-	6	-	-	-	-	-	-	-	-	-
CSX Transportation	476	52	133	387	31	112	24	10	6	64	10	15	1	1	-
Dakota, Minnesota & Eastern	35	1	8	30	1	8	1	-	-	4	-	-	-	-	-
Elgin, Joliet & Eastern	6	-	3	6	-	3	-	-	-	-	-	-	-	-	-
Florida East Coast	33	4	6	30	2	5	3	2	1	-	-	-	-	-	-
Indiana Harbor Belt	5	-	2	4	-	2	-	-	-	1	-	-	-	-	-
Kansas City Southern	104	4	46	99	3	45	-	-	-	5	1	1	-	-	-
Long Island Rail Road	10	2	1	8	1	1	2	1	-	-	-	-	-	-	-
Mass Bay Transit Auth.	6	2	28	5	1	28	1	1	-	-	-	-	-	-	-
Montreal, Maine & Atlantic	4	1	1	4	1	1	-	-	-	-	-	-	-	-	-
Metro North Commuter	3	-	1	3	-	1	-	-	-	-	-	-	-	-	-
Montana Rail Link	9	-	2	4	-	1	-	-	-	5	-	1	-	-	-
Northern IN Comm Trans	5	-	3	5	-	3	-	-	-	-	-	-	-	-	-
Northeast IL Reg Comm	25	5	26	18	3	21	5	2	-	2	-	5	-	-	-
New Jersey Transit Rail	10	3	5	3	-	1	5	3	2	2	-	2	-	-	-
Norfolk Southern Corp.	476	42	143	380	33	121	11	5	1	83	3	20	2	1	1
Paducah & Louisville	10	1	5	10	1	5	-	-	-	-	-	-	-	-	-
Peninsula Comm San Mateo Cnty	12	6	2	7	1	2	4	4	-	-	-	-	1	1	-
Port Terminal RR Assn	2	-	1	2	-	1	-	-	-	-	-	-	-	-	-
Southern CA Reg Rail Auth.	19	4	3	15	3	3	3	1	-	1	-	-	-	-	-
Southeastern PA Trans.	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Term RR Assn Of St. Louis	3	-	-	3	-	-	-	-	-	-	-	-	-	-	-
Union Pacific	586	96	225	482	82	188	19	6	5	82	8	31	3	-	1
Wheeling & Lake Erie	12	1	3	11	1	3	1	-	-	-	-	-	-	-	-
Wisconsin & Southern RR	7	1	2	7	1	2	-	-	-	-	-	-	-	-	-
Other Railroads	348	18	75	278	15	67	9	3	2	61	-	6	-	-	-
Total	2,934	369	1,054	2,386	266	888	125	59	31	413	38	132	10	6	3

TABLE 7-2
TOTAL HIGHWAY-RAIL INCIDENTS BY STATE, 2006

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	127	11	49	112	11	46	2	-	1	13	-	2	-	-	-
Alaska	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Arizona	48	6	11	44	5	11	1	-	-	3	1	-	-	-	-
Arkansas	80	9	27	75	8	25	-	-	-	5	1	2	-	-	-
California	169	37	39	118	17	31	24	16	4	26	3	4	1	1	-
Colorado	45	10	32	34	8	28	1	2	-	10	-	4	-	-	-
Connecticut	8	-	3	6	-	3	1	-	-	1	-	-	-	-	-
Delaware	7	-	4	5	-	4	-	-	-	2	-	-	-	-	-
Dist Of Columbia	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Florida	118	10	34	97	4	27	9	5	3	12	1	4	-	-	-
Georgia	134	8	37	116	7	36	2	1	-	16	-	1	-	-	-
Hawaii	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Idaho	22	3	2	19	3	1	-	-	-	2	-	-	1	-	1
Illinois	174	25	73	136	18	62	16	5	4	22	2	7	-	-	-
Indiana	139	13	37	123	9	33	10	2	2	5	1	2	1	1	-
Iowa	69	6	18	58	4	13	2	1	-	9	1	5	-	-	-
Kansas	57	15	27	49	14	23	2	-	1	6	1	3	-	-	-
Kentucky	67	8	29	55	7	24	-	-	-	12	1	5	-	-	-
Louisiana	144	8	75	126	8	63	-	-	-	18	-	12	-	-	-
Maine	7	1	2	7	1	2	-	-	-	-	-	-	-	-	-
Maryland	24	1	7	14	-	4	1	1	-	9	-	3	-	-	-
Massachusetts	11	2	30	9	1	30	1	1	-	1	-	-	-	-	-
Michigan	82	10	29	69	6	16	5	3	-	8	1	13	-	-	-
Minnesota	61	12	18	50	10	15	3	2	1	8	-	2	-	-	-
Mississippi	82	13	37	74	11	30	3	2	-	5	-	7	-	-	-
Missouri	60	7	26	47	4	19	1	1	-	12	2	7	-	-	-
Montana	19	1	7	12	-	5	-	-	-	6	-	2	1	1	-
Nebraska	37	5	19	28	4	15	-	-	-	9	1	4	-	-	-
Nevada	4	-	1	2	-	-	-	-	-	2	-	1	-	-	-
New Hampshire	2	-	1	-	-	-	1	-	1	1	-	-	-	-	-
New Jersey	43	9	11	29	6	6	5	3	2	9	-	3	-	-	-
New Mexico	10	5	6	7	-	6	1	1	-	2	4	-	-	-	-
New York	32	5	10	21	1	3	3	1	1	8	3	6	-	-	-
North Carolina	75	8	22	56	4	18	1	1	-	16	1	4	2	2	-
North Dakota	12	-	4	12	-	4	-	-	-	-	-	-	-	-	-
Ohio	128	17	36	108	11	33	4	3	-	16	3	3	-	-	-
Oklahoma	70	16	36	65	16	32	1	-	1	4	-	3	-	-	-
Oregon	28	1	9	18	1	5	1	-	1	9	-	3	-	-	-
Pennsylvania	62	4	12	49	3	10	2	1	1	11	-	1	-	-	-
South Carolina	47	12	14	36	10	10	3	2	2	8	-	2	-	-	-
South Dakota	16	2	7	14	1	7	1	1	-	1	-	-	-	-	-
Tennessee	68	8	20	53	6	18	3	1	1	12	1	1	-	-	-
Texas	339	44	149	287	38	136	10	2	3	39	3	9	3	1	1
Utah	14	-	3	10	-	3	1	-	-	3	-	-	-	-	-
Vermont	3	-	2	2	-	2	-	-	-	1	-	-	-	-	-
Virginia	43	-	7	26	-	4	-	-	-	17	-	3	-	-	-
Washington	50	7	11	34	1	9	3	1	2	13	5	-	-	-	-
West Virginia	32	4	8	18	3	4	-	-	-	13	1	3	1	-	1
Wisconsin	58	6	12	51	5	11	1	-	-	6	1	1	-	-	-
Wyoming	4	-	1	3	-	1	-	-	-	1	-	-	-	-	-
Total	2,934	369	1,054	2,386	266	888	125	59	31	413	38	132	10	6	3

TABLE 7-3
TOTAL HRC CASUALTIES BY STATE AND AGE GROUP, 2006

States	Deaths						Nonfatal Cases					
	Age Group			Total		%	Age Group			Total		%
	Unk	< 16	16-21	> 21	Cnt		Unk	< 16	16-21	> 21	Cnt	
Alabama	2	-	5	9	16	4.5	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	5.7
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	3.4	2	2	2	20	26	2.5
Idaho	-	-	-	1	1	0.3	-	-	-	6	6	0.6
Illinois	1	1	3	26	31	8.7	10	3	10	59	82	7.9
Indiana	-	-	3	18	21	5.9	4	2	4	21	31	3.0
Iowa	-	-	1	5	6	1.7	1	3	6	22	32	3.1
Kansas	-	-	-	7	7	2.0	2	1	5	23	31	3.0
Kentucky	-	-	3	4	7	2.0	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	3.1
Montana	-	-	-	3	3	0.8	-	-	1	3	4	0.4
Nebraska	-	1	4	7	12	3.4	4	2	5	11	22	2.1
Nevada	-	-	-	1	1	0.3	-	-	-	-	0	0.0
New Jersey	-	-	-	2	2	0.6	4	-	-	7	11	1.1
New Mexico	-	-	-	4	4	1.1	1	-	1	5	7	0.7
New York	3	1	1	8	13	3.6	1	-	1	8	10	1.0
North Carolina	-	-	-	6	6	1.7	1	-	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	31	43	4.1
Oklahoma	1	-	1	4	6	1.7	6	-	5	23	34	3.3
Oregon	-	-	-	1	1	0.3	1	-	1	2	4	0.4
Pennsylvania	-	-	3	2	5	1.4	4	-	5	11	20	1.9
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	2.0	3	-	5	20	28	2.7
Texas	-	-	1	22	23	6.4	8	4	18	114	144	13.8
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	272	358	100.0	116	52	142	734	1,044	100.0

TABLE 7-4
TOTAL HIGHWAY-RAIL INCIDENTS BY MONTH, 2006

Railroads				At Public Crossing						At Private Crossing					
	Totals			Motor Vehicle			Other			Motor Vehicle			Other		
	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
January	236	22	59	192	17	48	8	3	4	35	2	7	1	-	-
February	230	32	81	192	25	65	9	5	4	29	2	12	-	-	-
March	246	27	73	200	16	63	14	9	2	31	1	7	1	1	1
April	241	37	89	193	29	83	15	5	2	33	3	4	-	-	-
May	262	38	109	206	29	83	15	7	2	41	2	24	-	-	-
June	223	28	92	177	18	64	10	4	3	32	3	24	4	3	1
July	225	31	87	185	22	72	10	4	4	30	5	11	-	-	-
August	244	31	87	202	19	72	5	5	-	37	7	15	-	-	-
September	253	28	74	202	22	66	12	5	3	38	-	5	1	1	-
October	257	18	113	208	12	98	10	4	3	38	1	12	1	1	-
November	275	42	98	227	32	88	7	4	1	39	6	8	2	-	1
December	242	35	92	202	25	86	10	4	3	30	6	3	-	-	-
Total	2,934	369	1,054	2,386	266	888	125	59	31	413	38	132	10	6	3

TABLE 7-5
TOTAL HIGHWAY-RAIL INCIDENTS BY DAY, 2006

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	221	7.53	28	88	181	23	73	12	4	5	27	-	10	1	1	-
Monday	319	10.87	53	124	246	36	102	16	8	5	55	7	17	2	2	-
Tuesday	344	11.72	31	128	284	18	105	12	8	1	48	5	22	-	-	-
Wednesday	364	12.41	58	145	272	39	111	25	10	2	66	8	32	1	1	-
Thursday	346	11.79	60	120	269	41	103	16	8	4	58	9	12	3	2	1
Friday	413	14.08	54	120	315	37	92	21	13	7	77	4	21	-	-	-
Saturday	276	9.41	42	93	214	32	75	15	5	4	44	5	12	3	-	2
Total	2,283	77.81	326	818	1,781	226	661	117	56	28	375	38	126	10	6	3

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	57	1.94	1	29	54	1	28	-	-	-	3	-	1
Monday	90	3.07	9	23	80	9	20	2	-	2	8	-	1
Tuesday	87	2.97	7	34	84	7	33	1	-	1	2	-	-
Wednesday	109	3.72	10	33	98	9	32	1	1	-	10	-	1
Thursday	102	3.48	2	42	98	2	41	-	-	-	4	-	1
Friday	108	3.68	7	37	98	6	37	3	1	-	7	-	-
Saturday	98	3.34	7	38	93	6	36	1	1	-	4	-	2
Total	651	22.19	43	236	605	40	227	8	3	3	38	-	6

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	278	9.48	29	117	235	24	101	12	4	5	30	-	11	1	1	-
Monday	409	13.94	62	147	326	45	122	18	8	7	63	7	18	2	2	-
Tuesday	431	14.69	38	162	368	25	138	13	8	2	50	5	22	-	-	-
Wednesday	473	16.12	68	178	370	48	143	26	11	2	76	8	33	1	1	-
Thursday	448	15.27	62	162	367	43	144	16	8	4	62	9	13	3	2	1
Friday	521	17.76	61	157	413	43	129	24	14	7	84	4	21	-	-	-
Saturday	374	12.75	49	131	307	38	111	16	6	4	48	5	14	3	-	2
Total	2,934	100.0	369	1054	2,386	266	888	125	59	31	413	38	132	10	6	3

TABLE 7-6
TOTAL HIGHWAY-RAIL INCIDENTS BY HOUR OF DAY, 2006

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	73	2.49	6	24	61	4	21	4	2	2	8	-	1	-	-
	2	88	3.00	6	26	78	3	26	2	2	-	7	-	-	1	1
	3	65	2.22	10	14	56	9	11	3	1	1	6	-	2	-	-
	4	57	1.94	2	14	49	1	14	-	-	-	8	1	-	-	-
	5	75	2.56	7	17	66	7	16	2	-	-	7	-	1	-	-
	6	72	2.45	7	17	62	5	13	2	1	1	8	1	3	-	-
	7	124	4.23	22	72	91	15	66	10	3	2	23	4	4	-	-
	8	148	5.04	21	48	117	16	40	7	2	-	24	3	8	-	-
	9	198	6.75	28	77	158	25	60	7	2	4	31	1	12	2	-
	10	152	5.18	23	57	122	19	51	4	2	-	25	1	6	1	1
	11	152	5.18	18	50	119	14	47	5	1	-	28	3	3	-	-
	12	84	2.86	7	16	69	3	12	3	3	-	12	1	4	-	-
	Total	1,288	43.90	157	432	1,048	121	377	49	19	10	187	15	44	4	2
PM	1	186	6.34	29	78	153	23	57	4	3	1	29	3	20	-	-
	2	170	5.79	21	57	137	16	49	9	4	2	24	1	6	-	-
	3	177	6.03	28	85	135	21	68	10	4	4	32	3	13	-	-
	4	177	6.03	19	75	147	14	66	6	1	2	24	4	7	-	-
	5	153	5.21	20	55	126	11	48	8	6	2	16	1	4	3	2
	6	138	4.70	19	61	112	9	46	8	7	1	18	3	14	-	-
	7	99	3.37	8	45	83	5	40	2	-	1	14	3	4	-	-
	8	91	3.10	6	17	78	5	15	2	1	1	11	-	1	-	-
	9	98	3.34	14	32	83	10	29	8	4	3	7	-	-	-	-
	10	99	3.37	13	29	80	9	23	6	3	2	12	1	3	1	-
	11	97	3.31	6	23	81	3	21	5	3	1	11	-	1	-	-
	12	161	5.49	29	65	123	19	49	8	4	1	28	4	15	2	2
	Total	1,646	56.10	212	622	1,338	145	511	76	40	21	226	23	88	6	4
Total	2,934	100.0	369	1054	2,386	266	888	125	59	31	413	38	132	10	6	3

TABLE 7-7
TOTAL HIGHWAY-RAIL INCIDENTS BY TYPE HIGHWAY USER, 2006

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	967	32.96	117	321	863	103	291	-	-	-	104	14	30	-	-	-
Truck	182	6.20	24	86	136	18	55	-	-	-	46	6	31	-	-	-
Trk& Trail	452	15.41	20	197	319	18	158	-	-	-	133	2	39	-	-	-
Pickup Trk	354	12.07	68	119	299	55	97	-	-	-	55	13	22	-	-	-
Van	76	2.59	16	25	65	16	24	-	-	-	11	-	1	-	-	-
Bus	5	0.17	-	2	4	-	1	-	-	-	1	-	1	-	-	-
School Bus	2	0.07	-	1	2	-	1	-	-	-	-	-	-	-	-	-
Motorcycle	4	0.14	-	1	3	-	1	-	-	-	1	-	-	-	-	-
Oth Mtr V.	114	3.89	19	35	90	16	33	-	-	-	24	3	2	-	-	-
Pedestrian	97	3.31	51	27	-	-	-	89	45	25	-	-	-	8	6	2
Other	30	1.02	11	4	-	-	-	28	11	3	-	-	-	2	-	1
Total	2,283	77.81	326	818	1,781	226	661	117	56	28	375	38	126	10	6	3

Highway User Struck Rail Equip

Highway User					At Public Crossing						At Private Crossing		
	Total Incidents		Total		Motor Vehicle			Other			Motor Vehicle		
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Car	330	11.25	14	108	320	14	105	-	-	-	10	-	3
Truck	42	1.43	1	13	37	1	13	-	-	-	5	-	-
Trk & Trail	55	1.87	2	18	39	2	18	-	-	-	16	-	-
Pickup Trk	140	4.77	16	51	135	16	49	-	-	-	5	-	2
Van	41	1.40	6	20	40	6	20	-	-	-	1	-	-
Bus	1	0.03	-	-	1	-	-	-	-	-	-	-	-
Motorcycle	3	0.10	-	3	2	-	2	-	-	-	1	-	1
Oth Mtr V.	31	1.06	1	20	31	1	20	-	-	-	-	-	-
Pedestrian	5	0.17	3	2	-	-	-	5	3	2	-	-	-
Other	3	0.10	-	1	-	-	-	3	-	1	-	-	-
Total	651	22.19	43	236	605	40	227	8	3	3	38	-	6

Grand Total

Highway User					At Public Crossing						At Private Crossing					
	Total Incidents		Total		Motor Vehicle			Other			Motor Vehicle			Other		
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Car	1,297	44.21	131	429	1,183	117	396	-	-	-	114	14	33	-	-	-
Truck	224	7.63	25	99	173	19	68	-	-	-	51	6	31	-	-	-
Trk& Trail	507	17.28	22	215	358	20	176	-	-	-	149	2	39	-	-	-
Pickup Trk	494	16.84	84	170	434	71	146	-	-	-	60	13	24	-	-	-
Van	117	3.99	22	45	105	22	44	-	-	-	12	-	1	-	-	-
Bus	6	0.20	-	2	5	-	1	-	-	-	1	-	1	-	-	-
School Bus	2	0.07	-	1	2	-	1	-	-	-	-	-	-	-	-	-
Motorcycle	7	0.24	-	4	5	-	3	-	-	-	2	-	1	-	-	-
Oth Mtr V.	145	4.94	20	55	121	17	53	-	-	-	24	3	2	-	-	-
Pedestrian	102	3.48	54	29	-	-	-	94	48	27	-	-	-	8	6	2
Other	33	1.12	11	5	-	-	-	31	11	4	-	-	-	2	-	1
Total	2,934	100.0	369	1054	2,386	266	888	125	59	31	413	38	132	10	6	3

TABLE 7-8
HIGHWAY-RAIL INCIDENTS BY USERS, 2006

Rail Equip Struck Highway User

Highway User	Total		Freight Train	Psgr Train	Commuter Train	Work Train	Single Car	Yard/ Switch	Light loco(s)	Maint Insp car	Spec MOW Eqp
	Cnt	%									
Car	967	33.0	726	72	30	2	1	55	56	16	9
Truck	182	6.2	136	16	2	1	-	13	13	1	-
Trk& Trail	452	15.4	328	26	4	2	1	60	27	1	3
Pickup Trk	354	12.1	273	20	3	2	-	21	27	4	4
Van	76	2.6	55	4	3	-	1	4	8	-	1
Bus	5	0.2	4	-	-	-	-	1	-	-	-
School Bus	2	0.1	1	-	-	-	-	1	-	-	-
Motorcycle	4	0.1	4	-	-	-	-	-	-	-	-
Oth Mtr V.	114	3.9	100	1	2	1	-	9	1	-	-
Pedestrian	97	3.3	58	24	14	1	-	-	-	-	-
Other	30	1.0	21	3	5	-	-	1	-	-	-
Total	2,283	77.8	1,706	166	63	9	3	165	132	22	17

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	330	11.2	226	6	3	2	1	2	44	24	11	11
Truck	42	1.4	28	1	2	-	-	-	5	6	-	-
Trk& Trail	55	1.9	32	-	-	-	-	-	13	10	-	-
Pickup Trk	140	4.8	95	3	-	-	1	-	25	7	7	2
Van	41	1.4	31	-	1	-	-	-	5	3	-	1
Bus	1	0.0	1	-	-	-	-	-	-	-	-	-
Motorcycle	3	0.1	1	-	-	-	-	-	-	2	-	-
Oth Mtr V.	31	1.1	24	1	-	-	-	-	4	2	-	-
Pedestrian	5	0.2	3	1	-	-	-	-	1	-	-	-
Other	3	0.1	2	-	1	-	-	-	-	-	-	-
Total	651	22.2	443	12	7	2	2	2	97	54	18	14

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	1,297	44.2	952	78	33	4	2	2	99	80	27	20
Truck	224	7.6	164	17	4	1	-	-	18	19	1	-
Trk& Trail	507	17.3	360	26	4	2	1	-	73	37	1	3
Pickup Trk	494	16.8	368	23	3	2	1	-	46	34	11	6
Van	117	4.0	86	4	4	-	1	-	9	11	-	2
Bus	6	0.2	5	-	-	-	-	-	1	-	-	-
School Bus	2	0.1	1	-	-	-	-	-	1	-	-	-
Motorcycle	7	0.2	5	-	-	-	-	-	-	2	-	-
Oth Mtr V.	145	4.9	124	2	2	1	-	-	13	3	-	-
Pedestrian	102	3.5	61	25	14	1	-	-	1	-	-	-
Other	33	1.1	23	3	6	-	-	-	1	-	-	-
Total	2,934	100.0	2,149	178	70	11	5	2	262	186	40	31

TABLE 7-9
TOTAL HIGHWAY-RAIL INCIDENTS BY WARNING DEVICE, 2006

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	95	3.24	5	20	13	-	2	1	-	1	80	5	16	1	-	1
Other	7	0.24	-	3	3	-	3	-	-	-	4	-	-	-	-	-
Cross bucks	765	26.07	97	310	677	88	290	5	-	1	79	5	18	4	4	1
Stop signs	487	16.60	83	193	277	54	109	6	3	1	200	25	82	4	1	1
Special warning	59	2.01	-	9	34	-	5	-	-	-	25	-	4	-	-	-
HWTS,WW,Bells	14	0.48	2	2	12	2	2	-	-	-	2	-	-	-	-	-
Flashing lights	521	17.76	47	232	490	42	222	15	3	2	16	2	8	-	-	-
Gates	986	33.61	135	285	880	80	255	98	53	26	7	1	4	1	1	-
Total	2,934	100.0	369	1,054	2,386	266	888	125	59	31	413	38	132	10	6	3

TABLE 7-10
TOTAL HIGHWAY-RAIL INCIDENTS BY WEATHER, 2006

Rail Equip Struck Highway User

Type Weather	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
Clear	1,644	56.03	245	608	1,280	169	486	85	41	21	274	32	100	5	3	1
Cloudy	406	13.84	63	158	315	43	129	24	12	5	62	5	22	5	3	2
Rain	165	5.62	13	34	127	10	29	7	3	2	31	-	3	-	-	-
Fog	25	0.85	2	6	23	2	6	-	-	-	2	-	-	-	-	-
Sleet	12	0.41	-	4	11	-	4	-	-	-	1	-	-	-	-	-
Snow	31	1.06	3	8	25	2	7	1	-	-	5	1	1	-	-	-
Total	2,283	77.81	326	818	1,781	226	661	117	56	28	375	38	126	10	6	3

Highway User Struck Rail Equip

Type Weather	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
Clear	440	15.00	22	145	407	19	140	6	3	1	27	-	4
Cloudy	141	4.81	15	60	131	15	56	2	-	2	8	-	2
Rain	36	1.23	4	13	34	4	13	-	-	-	2	-	-
Fog	21	0.72	2	13	21	2	13	-	-	-	-	-	-
Sleet	2	0.07	-	1	2	-	1	-	-	-	-	-	-
Snow	11	0.37	-	4	10	-	4	-	-	-	1	-	-
Total	651	22.19	43	236	605	40	227	8	3	3	38	-	6

Grand total

Type Weather	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
Clear	2,084	71.03	267	753	1,687	188	626	91	44	22	301	32	104	5	3	1
Cloudy	547	18.64	78	218	446	58	185	26	12	7	70	5	24	5	3	2
Rain	201	6.85	17	47	161	14	42	7	3	2	33	-	3	-	-	-
Fog	46	1.57	4	19	44	4	19	-	-	-	2	-	-	-	-	-
Sleet	14	0.48	-	5	13	-	5	-	-	-	1	-	-	-	-	-
Snow	42	1.43	3	12	35	2	11	1	-	-	6	1	1	-	-	-
Total	2,934	100.0	369	1,054	2,386	266	888	125	59	31	413	38	132	10	6	3

CHAPTER 8

HIGHWAY-RAIL INCIDENTS AT PUBLIC CROSSINGS THAT INVOLVE MOTOR VEHICLES

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

- Q1. A man driving a truck did not see a train occupying a highway-rail crossing and lost control of his vehicle when he slammed on the brakes to avoid a collision. His truck ended up in the ditch with considerable damage, and he broke his arm. What reports are required?
- A1. Since an impact did not occur between a highway and a rail user, you do not need to prepare a highway-rail accident/incident report (form 6180.57). The motorist did sustain a reportable injury arising from the operation of a railroad. Therefore, an injury report (form 6180.55a) must be completed. If the motorist had struck the consist, a form 6180.57 would be required even if the impact did not occur on the crossing site.
- Q2. A highway user hits a signal stand at a highway crossing and was injured, but there was no on-track equipment present, nor were railroad employees in the vicinity. Is this reportable?
- A2. No. The regulation exempts the reporting of motor vehicle accidents at highway-rail crossing sites when they do not involve the presence of on-track equipment or railroad employees.
- Q3. A motorist in an off-road vehicle was waiting behind several automobiles at a crossing site where the gates were down and a standing train was occupying the track. He apparently became impatient and drove his vehicle off the highway and parallel to the track to a point where he could cross over the track behind the train. His vehicle stalled on a parallel set of tracks, and he was unable to start it. He exited his truck just before a train on the adjacent track hit it. Should this be reported as a highway-rail accident/incident or any other type?
- A3. An event such as this would not qualify as a highway-rail crossing collision since the motor vehicle operator had left the highway of his own choosing and his vehicle was struck at a location other than a designated crossing site. The event would be reportable as an obstruction accident on form 6180.54 if reportable damage was in excess of the threshold. If the motorist or employees were hurt in connection with this event, then an injury report (form 6180.55a) would need to be completed.

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TABLE 8-1
RATES FOR MOTOR VEHICLE INCIDENTS AT PUBLIC CROSSINGS BY STATE, 2006

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	112	3.80	2.41	1.82	11	0.37	0.24	0.18	46	1.56	9.92	0.07
Alaska	1	0.46	0.14	0.19	.	.	.	.	.	.	.	.
Arizona	44	5.62	1.08	1.70	5	0.64	0.12	0.19	11	1.40	2.70	0.04
Arkansas	75	2.55	3.77	2.12	8	0.27	0.40	0.23	25	0.85	12.57	0.07
California	118	1.82	0.36	0.34	17	0.26	0.05	0.05	31	0.48	0.93	0.01
Colorado	34	1.95	1.77	1.03	8	0.46	0.42	0.24	28	1.60	14.55	0.08
Connecticut	6	1.62	0.19	0.46	.	.	.	.	3	0.81	0.96	0.02
Delaware	5	1.79	0.66	0.43	.	.	.	.	4	1.43	5.29	0.03
Dist Of Columbia	.	.	.	.	.	.	.	.	.	.	.	.
Florida	97	2.45	0.60	0.50	4	0.10	0.02	0.02	27	0.68	1.67	0.01
Georgia	116	2.01	1.41	1.24	7	0.12	0.09	0.07	36	0.62	4.39	0.04
Hawaii	1	12.50	.	3.70	.	.	.	.	.	.	.	.
Idaho	19	1.47	1.33	1.11	3	0.23	0.21	0.18	1	0.08	0.70	0.01
Illinois	136	1.69	1.39	0.64	18	0.22	0.18	0.09	62	0.77	6.36	0.03
Indiana	123	2.04	2.41	0.88	9	0.15	0.18	0.06	33	0.55	6.47	0.02
Iowa	58	1.31	1.64	1.06	4	0.09	0.11	0.07	13	0.29	3.67	0.02
Kansas	49	0.85	2.01	1.03	14	0.24	0.57	0.29	23	0.40	9.45	0.05
Kentucky	55	2.28	1.58	1.42	7	0.29	0.20	0.18	24	1.00	6.89	0.06
Louisiana	126	3.91	3.25	1.94	8	0.25	0.21	0.12	63	1.96	16.26	0.10
Maine	7	0.84	0.63	0.36	1	0.12	0.09	0.05	2	0.24	1.79	0.01
Maryland	14	2.04	0.32	0.55	.	.	.	.	4	0.58	0.91	0.02
Massachusetts	9	1.08	0.16	0.18	1	0.12	0.02	0.02	30	3.59	5.40	0.06
Michigan	69	1.29	0.81	0.47	6	0.11	0.07	0.04	16	0.30	1.88	0.01
Minnesota	50	1.06	1.03	0.76	10	0.21	0.21	0.15	15	0.32	3.09	0.02
Mississippi	74	3.15	3.69	1.73	11	0.47	0.55	0.26	30	1.28	14.96	0.07
Missouri	47	1.11	1.01	1.08	4	0.09	0.09	0.09	19	0.45	4.07	0.04
Montana	12	0.85	1.14	0.93	.	.	.	.	5	0.36	4.73	0.04
Nebraska	28	0.91	1.61	1.44	4	0.13	0.23	0.21	15	0.49	8.65	0.08
Nevada	2	0.71	0.14	0.27	.	.	.	.	.	.	.	.
New Hampshire	.	.	.	.	.	.	.	.	.	.	.	.
New Jersey	29	1.90	0.45	0.33	6	0.39	0.09	0.07	6	0.39	0.93	0.01
New Mexico	7	0.95	0.44	0.79	.	.	.	.	6	0.82	3.78	0.07
New York	21	0.72	0.17	0.27	1	0.03	0.01	0.01	3	0.10	0.25	0.00
North Carolina	56	1.35	0.90	0.49	4	0.10	0.06	0.03	18	0.43	2.88	0.02
North Dakota	12	0.33	1.67	1.13	.	.	.	.	4	0.11	5.57	0.04
Ohio	108	1.73	0.99	0.73	11	0.18	0.10	0.07	33	0.53	3.02	0.02
Oklahoma	65	1.66	1.71	1.52	16	0.41	0.42	0.37	32	0.82	8.40	0.07
Oregon	18	0.84	0.61	0.41	1	0.05	0.03	0.02	5	0.23	1.68	0.01
Pennsylvania	49	1.12	0.48	0.38	3	0.07	0.03	0.02	10	0.23	0.98	0.01
Rhode Island	.	.	.	.	.	.	.	.	.	.	.	.
South Carolina	36	1.29	1.06	0.51	10	0.36	0.29	0.14	10	0.36	2.94	0.01
South Dakota	14	0.68	1.56	1.13	1	0.05	0.11	0.08	7	0.34	7.78	0.06
Tennessee	53	1.86	1.04	0.91	6	0.21	0.12	0.10	18	0.63	3.53	0.03
Texas	287	2.93	1.61	0.81	38	0.39	0.21	0.11	136	1.39	7.64	0.04
Utah	10	1.27	0.44	0.70	.	.	.	.	3	0.38	1.33	0.02
Vermont	2	0.40	0.38	0.26	.	.	.	.	2	0.40	3.77	0.03
Virginia	26	1.29	0.39	0.45	.	.	.	.	4	0.20	0.60	0.01
Washington	34	1.33	0.59	0.73	1	0.04	0.02	0.02	9	0.35	1.56	0.02
West Virginia	18	1.17	1.31	1.09	3	0.20	0.22	0.18	4	0.26	2.92	0.02
Wisconsin	51	1.24	1.01	0.56	5	0.12	0.10	0.06	11	0.27	2.19	0.01
Wyoming	3	0.76	0.44	0.91	.	.	.	.	1	0.25	1.47	0.03
Total...	2,386	1.71	0.97	0.74	266	0.19	0.11	0.08	888	0.63	3.60	0.03

TABLE 8-2
RATES FOR MOTOR VEHICLE INCIDENTS AT PUBLIC CROSSINGS BY WARNING DEVICE, 2006

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	13	0.33	0.17	.	.	.	2	0.05	0.00	3,896
Other	3	0.70	0.51	.	.	.	3	0.70	0.05	426
Cross bucks	677	1.18	1.64	88	0.15	0.21	290	0.50	0.07	57,464
Stop signs	277	2.39	4.57	54	0.47	0.89	109	0.94	0.18	11,587
Special warning	34	1.41	0.41	.	.	.	5	0.21	0.01	2,411
HWTS,WW,Bells	12	0.95	0.26	2	0.16	0.04	2	0.16	0.00	1,267
Flashing lights	490	2.10	0.53	42	0.18	0.05	222	0.95	0.02	23,306
Gates	880	2.23	0.54	80	0.20	0.05	255	0.65	0.02	39,529
Total	2,386	1.71	0.74	266	0.19	0.08	888	0.63	0.03	139,886

TABLES 8-3
MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS BY RAILROAD AND TYPE WARNING, 2006

Railroads	Types of Warning								Type Incident	
	Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS, WW,Bells	Flashing lights	Gates	Rail Equip Struck Highway User	Highway User Struck Rail Equip
Alaska RR Corp.	-	-	-	1	-	-	-	-	-	1
Amtrak	-	-	16	5	-	-	1	10	59	84
Burlington Northern Santa Fe	-	1	103	28	1	-	56	131	225	95
Buffalo & Pittsburg	-	-	-	-	-	-	1	1	1	1
Canadian National	-	-	39	22	2	1	25	33	84	38
Canadian Pacific	-	-	6	9	-	-	1	6	16	6
Conrail Shared Assets	6	-	5	1	4	-	10	-	13	13
CSX Transportation	4	-	65	49	1	3	89	176	286	101
Dakota,Minnesota & Eastern	-	-	17	3	3	-	6	1	16	14
Elgin, Joliet & Eastern	-	-	2	1	-	-	-	3	5	1
Florida East Coast	-	-	1	-	-	-	-	29	21	9
Indiana Harbor Belt	-	-	1	-	-	-	2	1	2	2
Kansas City Southern	-	-	61	-	-	-	24	14	75	24
Long Island Rail Road	-	-	-	-	-	-	-	8	8	-
Mass Bay Transit Auth.	-	-	-	-	-	-	2	3	3	2
Montreal, Maine & Atlantic	-	-	-	-	-	-	4	-	3	1
Metro North Commuter	-	-	-	-	-	-	-	3	2	1
Montana Rail Link	-	-	3	-	-	-	-	1	4	-
Northern IN Comm Trans	-	-	1	2	-	-	2	-	3	2
Northeast IL Reg Comm	-	-	-	-	-	-	-	18	14	4
New Jersey Transit Rail	-	-	-	-	-	-	-	3	3	-
Norfolk Southern Corp.	-	1	86	48	3	-	87	155	325	55
Other Railroads	1	1	121	30	16	7	70	32	168	110
Paducah & Louisville	-	-	3	-	-	-	7	-	7	3
Peninsula Comm San Mateo Cnty	-	-	-	-	-	-	-	7	7	-
Port Terminal RR Assn	-	-	1	-	-	-	-	1	1	1
Southern CA Reg Rail Auth.	-	-	-	-	-	-	-	15	13	2
Southeastern PA Trans.	-	-	-	-	-	-	1	-	1	-
Term RR Assn Of St. Louis	1	-	2	-	-	-	-	-	2	1
Union Pacific	1	-	137	74	4	-	86	180	377	105
Wheeling & Lake Erie	-	-	7	3	-	-	1	-	8	3
Wisconsin & Southern RR	-	-	-	1	-	-	6	-	4	3
Total	13	3	677	277	34	12	490	880	1,781	605

TABLES 8-4
MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS BY STATE AND TYPE WARNING, 2006

States	Type of Warning							
	Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS, WW,Bells	Flashing lights	Gates
Alabama	-	-	26	38	1	1	23	23
Alaska	-	-	-	1	-	-	-	-
Arizona	-	-	-	1	-	-	21	22
Arkansas	-	1	23	22	-	-	20	9
California	1	-	9	-	1	-	11	96
Colorado	-	-	7	11	3	1	8	4
Connecticut	-	-	-	1	-	-	2	3
Delaware	-	-	-	-	-	-	4	1
Florida	-	-	12	2	1	-	8	74
Georgia	-	-	16	26	3	-	19	52
Hawaii	-	-	-	-	-	-	1	-
Idaho	-	-	4	6	-	-	4	5
Illinois	-	-	43	3	4	-	24	62
Indiana	-	-	18	24	-	1	35	45
Iowa	-	-	31	4	-	-	14	9
Kansas	-	-	24	4	-	1	2	18
Kentucky	2	-	13	1	1	-	29	9
Louisiana	-	-	55	17	3	1	34	16
Maine	-	-	1	-	1	-	5	-
Maryland	-	-	2	1	1	2	4	4
Massachusetts	-	-	-	-	1	-	4	4
Michigan	-	-	12	17	1	1	16	22
Minnesota	-	1	15	19	-	-	5	10
Mississippi	-	-	28	10	1	-	15	20
Missouri	1	-	25	-	-	-	7	14
Montana	-	-	9	-	-	-	-	3
Nebraska	-	-	18	4	-	-	2	4
Nevada	-	-	-	-	-	-	1	1
New Jersey	3	-	6	1	-	1	11	7
New Mexico	-	-	3	-	-	-	2	2
New York	-	-	2	-	1	-	-	18
North Carolina	-	-	17	-	1	1	7	30
North Dakota	-	-	8	-	-	-	-	4
Ohio	-	-	34	7	-	-	13	54
Oklahoma	-	-	34	1	-	-	19	11
Oregon	-	-	4	4	1	-	-	9
Pennsylvania	4	1	13	2	4	1	16	8
South Carolina	-	-	6	4	-	-	6	20
South Dakota	-	-	7	2	1	-	4	-
Tennessee	1	-	17	7	-	-	15	13
Texas	1	-	97	18	2	-	39	130
Utah	-	-	5	2	1	-	1	1
Vermont	-	-	-	-	-	-	2	-
Virginia	-	-	3	1	-	-	7	15
Washington	-	-	14	4	-	-	8	8
West Virginia	-	-	3	-	-	-	9	6
Wisconsin	-	-	13	12	-	1	13	12
Wyoming	-	-	-	-	1	-	-	2
Total	13	3	677	277	34	12	490	880

TABLE 8-5
MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSING, BY TYPE CONSIST AND CONSIST SPEED, 2006

Rail Equip Struck Highway User

Consist Speed									Whistle Ban?			
		Freight	Psgr	Work		Yard	Light					
	Total	Train	Comm Trn	Train	Car(s)	Switch	loco(s)	A	Unk	Yes	No	
Unknown	-	-	-	-	-	-	-	-	-	-	-	
1-9	286	128	8	2	17	87	34	10	9	17	260	
10-19	195	142	9	-	5	17	19	3	9	8	178	
20-29	303	264	12	3	-	3	19	2	7	12	284	
30-39	321	298	14	1	-	2	6	-	9	12	300	
40-49	409	376	21	-	1	3	8	-	10	12	387	
50-59	165	138	25	1	-	-	1	-	5	7	153	
>= 60	102	33	67	-	-	-	2	-	5	6	91	
Total	1,781	1,379	156	7	23	112	89	15	54	74	1,653	

Highway User Struck Rail Equip

Highway User Struck Rail Equip									Whistle Ban?			
Consist Speed												
	Total	Freight Train	Psgr Comm Trn	Work Train	Car(s)	Yard Switch	Light loco(s)	A	Unk	Yes	No	
Unknown	71	54	-	-	3	11	1	2	4	2	65	
1-9	195	83	-	-	12	65	25	10	8	13	174	
10-19	103	74	2	1	6	5	13	2	3	8	92	
20-29	78	67	3	1	-	2	5	-	6	3	69	
30-39	56	52	3	-	-	-	1	-	-	1	55	
40-49	63	62	-	-	-	1	-	-	4	1	58	
50-59	27	25	2	-	-	-	-	-	-	2	25	
>= 60	12	5	7	-	-	-	-	-	2	1	9	
Total	605	422	17	2	21	84	45	14	27	31	547	

Grand Total

Grand Total												
Consist Speed											Whistle Ban?	
	Total	Freight Train	Psgr Comm Trn	Work Train	Car(s)	Yard Switch	Light loco(s)	A	Unk	Yes	No	
Unknown	71	54	-	-	3	11	1	2	4	2	65	
1-9	481	211	8	2	29	152	59	20	17	30	434	
10-19	298	216	11	1	11	22	32	5	12	16	270	
20-29	381	331	15	4	-	5	24	2	13	15	353	
30-39	377	350	17	1	-	2	7	-	9	13	355	
40-49	472	438	21	-	1	4	8	-	14	13	445	
50-59	192	163	27	1	-	-	1	-	5	9	178	
>= 60	114	38	74	-	-	-	2	-	7	7	100	
Total	2,386	1,801	173	9	44	196	134	29	81	105	2,200	

TABLE 8-6
MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS
BY TYPE WARNING, MOTORIST ACTION, AND WARNING LOCATION, 2006

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	8	0.3	-	1	6	1	-	4	4	-	-
Other	2	0.1	-	1	1	-	-	-	1	1	-
Cross bucks	486	20.4	-	39	319	121	7	1	465	17	3
Stop signs	230	9.6	-	36	119	73	2	-	220	8	2
Special warning	17	0.7	-	5	9	1	2	-	14	3	-
HWTS,WW,Bells	10	0.4	-	3	5	1	1	-	9	1	-
Flashing lights	331	13.9	-	34	194	99	4	-	319	12	-
Gates	697	29.2	193	18	15	366	105	-	680	17	-
Total	1,781	74.6	193	137	668	662	121	5	1,712	59	5

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	5	0.2	-	1	4	-	-	4	1	-	-
Other	1	0.0	-	-	1	-	-	-	1	-	-
Cross bucks	191	8.0	-	8	180	-	3	-	180	9	2
Stop signs	47	2.0	-	1	46	-	-	-	46	1	-
Special warning	17	0.7	-	5	11	-	1	-	14	2	1
HWTS,WW,Bells	2	0.1	-	-	2	-	-	-	1	1	-
Flashing lights	159	6.7	-	18	140	-	1	-	152	7	-
Gates	183	7.7	155	7	8	1	12	-	177	5	1
Total	605	25.4	155	40	392	1	17	4	572	25	4

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	13	0.5	-	2	10	1	-	8	5	-	-
Other	3	0.1	-	1	2	-	-	-	2	1	-
Cross bucks	677	28.4	-	47	499	121	10	1	645	26	5
Stop signs	277	11.6	-	37	165	73	2	-	266	9	2
Special warning	34	1.4	-	10	20	1	3	-	28	5	1
HWTS,WW,Bells	12	0.5	-	3	7	1	1	-	10	2	-
Flashing lights	490	20.5	-	52	334	99	5	-	471	19	-
Gates	880	36.9	348	25	23	367	117	-	857	22	1
Total	2,386	100.0	348	177	1,060	663	138	9	2,284	84	9

TABLE 8-7
MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS
BY TYPE VEHICLE, VEHICLE SPEED AND DRIVER GENDER, 2006

Rail Equip Struck Highway User

Vehicle Speed									Driver Gender	
	Total	Car	Trucks	Trk& Trail	Van	Buses	Oth Mtr V.	?	M	F
Unknown	98	52	24	12	4	2	4	10	58	30
Stopped	727	395	152	110	21	4	45	45	486	196
1-9	472	179	127	119	20	-	27	17	364	91
10-19	266	128	69	48	9	-	12	9	201	56
20-29	121	68	28	17	7	-	1	5	87	29
30-39	53	22	18	9	2	-	2	1	38	14
40-49	32	14	11	3	2	-	2	-	28	4
50-59	11	4	6	1	-	-	-	-	7	4
>= 60	1	1	-	-	-	-	-	-	1	-
Total	1,781	863	435	319	65	6	93	87	1,270	424

Highway User Struck Rail Equip

Vehicle Speed									Driver Gender	
	Total	Car	Trucks	Trk& Trail	Van	Buses	Oth Mtr V.	?	M	F
Unknown	23	13	7	-	2	-	1	3	17	3
Stopped	1	-	1	-	-	-	-	-	1	-
1-9	200	107	54	11	17	-	11	3	148	49
10-19	126	63	33	16	7	-	7	10	96	20
20-29	77	42	25	4	1	1	4	4	57	16
30-39	84	47	22	1	9	-	5	-	63	21
40-49	46	25	15	2	2	-	2	-	37	9
50-59	30	15	10	3	2	-	-	-	27	3
>= 60	18	8	5	2	-	-	3	-	16	2
Total	605	320	172	39	40	1	33	20	462	123

Grand Total

Vehicle Speed									Driver Gender	
	Total	Car	Trucks	Trk& Trail	Van	Buses	Oth Mtr V.	?	M	F
Unknown	121	65	31	12	6	2	5	13	75	33
Stopped	728	395	153	110	21	4	45	45	487	196
1-9	672	286	181	130	37	-	38	20	512	140
10-19	392	191	102	64	16	-	19	19	297	76
20-29	198	110	53	21	8	1	5	9	144	45
30-39	137	69	40	10	11	-	7	1	101	35
40-49	78	39	26	5	4	-	4	-	65	13
50-59	41	19	16	4	2	-	-	-	34	7
>= 60	19	9	5	2	-	-	3	-	17	2
Total	2,386	1,183	607	358	105	7	126	107	1,732	547

TABLE 8-8
MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS
BY VEHICLE SPEED, WEATHER AND CONDITION OF DRIVER, 2006

Rail Equip Struck Highway User

Vehicle Speed									Driver		
	Total	Clear	Cloudy	Rain	Fog	Sleet	Snow	?	Kld	Nonfatal	Unhurt
Unknown	98	74	14	9	1	-	-	1	6	13	78
Stopped	727	507	132	59	11	5	13	10	27	104	586
1-9	472	343	94	25	5	1	4	2	53	134	283
10-19	266	199	42	16	2	3	4	-	34	84	148
20-29	121	92	12	10	2	2	3	1	22	24	74
30-39	53	35	14	2	1	-	1	-	8	18	27
40-49	32	22	3	6	1	-	-	-	6	12	14
50-59	11	7	4	-	-	-	-	-	1	4	6
>= 60	1	1	-	-	-	-	-	-	1	-	-
Total	1,781	1,280	315	127	23	11	25	14	158	393	1,216

Highway User Struck Rail Equip

Vehicle Speed									Driver		
	Total	Clear	Cloudy	Rain	Fog	Sleet	Snow	?	Kld	Nonfatal	Unhurt
Unknown	23	14	7	2	-	-	-	-	2	5	16
Stopped	1	1	-	-	-	-	-	-	-	-	1
1-9	200	137	46	9	2	1	5	-	7	42	151
10-19	126	90	24	7	3	1	1	1	1	26	98
20-29	77	49	15	8	3	-	2	-	2	21	54
30-39	84	53	23	4	2	-	2	1	4	28	51
40-49	46	28	13	2	3	-	-	-	3	20	23
50-59	30	21	2	1	6	-	-	-	4	14	12
>= 60	18	14	1	1	2	-	-	-	4	9	5
Total	605	407	131	34	21	2	10	2	27	165	411

Grand Total

Vehicle Speed									Driver		
	Total	Clear	Cloudy	Rain	Fog	Sleet	Snow	?	Kld	Nonfatal	Unhurt
Unknown	121	88	21	11	1	-	-	1	8	18	94
Stopped	728	508	132	59	11	5	13	10	27	104	587
1-9	672	480	140	34	7	2	9	2	60	176	434
10-19	392	289	66	23	5	4	5	1	35	110	246
20-29	198	141	27	18	5	2	5	1	24	45	128
30-39	137	88	37	6	3	-	3	1	12	46	78
40-49	78	50	16	8	4	-	-	-	9	32	37
50-59	41	28	6	1	6	-	-	-	5	18	18
>= 60	19	15	1	1	2	-	-	-	5	9	5
Total	2,386	1,687	446	161	44	13	35	16	185	558	1,627

TABLE 8-9
MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS
BY DRIVER AGE, GENDER, AND TYPE VEHICLE, 2006

Age	Total		Type Vehicle										Driver Gender		
	Cnt	%	Car	Truck	Trk& Trail	Pickup Trk	Van	Bus	School Bus	Motorcycle	Oth Mtr V.	?	M	F	
Unknown	396	16.6	220	31	47	62	19	1	-	1	15	102	236	58	
11-15	6	0.3	1	-	-	2	-	-	-	-	3	-	6	-	
16-20	229	9.6	148	7	7	40	7	-	-	2	18	1	144	84	
21-25	235	9.8	137	6	18	42	9	1	-	-	22	1	180	54	
26-30	228	9.6	112	21	39	35	9	1	-	1	10	-	193	35	
31-35	183	7.7	84	13	35	34	4	1	-	1	11	-	141	42	
36-40	184	7.7	87	16	39	27	8	-	-	-	7	-	141	43	
41-45	202	8.5	70	21	40	49	10	-	1	-	11	2	152	48	
46-50	188	7.9	76	19	42	29	16	-	-	-	6	1	149	38	
51-55	128	5.4	45	13	29	28	8	-	-	-	5	-	94	34	
56-60	118	4.9	41	6	33	29	5	1	1	-	2	-	92	26	
61-65	80	3.4	29	11	17	15	4	-	-	-	4	-	63	17	
66-70	59	2.5	33	1	7	12	2	-	-	-	4	-	42	17	
Other	150	6.3	100	8	5	30	4	-	-	-	3	-	99	51	
Total	2,386	100.0	1,183	173	358	434	105	5	2	5	121	107	1,732	547	

TABLE 8-10
MOTOR VEHICLES THAT STRUCK CONSIST AT PUBLIC CROSSINGS
BY CONSIST LENGTH, PORTION OF TRAIN STRUCK AND WARNING TYPE, 2006

Consist Length	Position of Consist Struck						Type of Warning							
	Total	1st car/ loco	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS,WW,Bells	Flashing lights	Gates
1	51	51	-	-	-	-	2	-	15	2	-	-	20	12
2-5	74	57	1	3	3	10	1	-	21	6	8	1	23	14
6-10	51	32	3	4	6	6	-	-	19	2	1	-	15	14
11-15	36	21	3	1	3	8	1	-	14	4	4	-	7	6
16-20	29	15	5	5	1	3	-	-	9	2	2	-	4	12
21-25	22	10	3	3	3	3	-	1	9	3	-	-	6	3
26-30	22	10	3	-	4	5	-	-	11	2	-	-	7	2
31-35	18	11	4	1	2	-	1	-	7	-	1	-	2	7
36-40	17	10	2	2	1	2	-	-	5	2	-	-	6	4
41-45	13	7	3	-	2	1	-	-	4	1	-	-	6	2
46-50	10	4	2	1	1	2	-	-	2	-	-	-	6	2
51-60	39	10	12	9	3	5	-	-	11	2	-	-	11	15
61-70	34	16	6	5	1	6	-	-	13	2	-	-	11	8
71-80	37	15	10	4	1	7	-	-	10	5	-	-	5	17
81-90	30	10	6	4	4	6	-	-	10	4	-	-	5	11
91-100	19	10	-	4	2	3	-	-	9	-	-	-	3	7
> 100	103	31	20	10	21	21	-	-	22	10	1	1	22	47
-Total	605	320	83	56	58	88	5	1	191	47	17	2	159	183

TABLE 8-11
MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS
BY CONSIST LENGTH, TYPE CONSIST, AND DRIVER GENDER, 2006

Rail Equip Struck Highway User

Consist Length											Driver Gender	
	Total	Freight Train	Psgr Comm Trn	Work Train	Car(s)	Yard Switch	Light loco(s)	A	?		M	F
1	79	-	-	-	22	-	42	15	1		58	20
2-5	165	48	49	1	1	22	44	-	7		126	32
6-10	157	56	73	2	-	23	3	-	5		106	46
11-15	99	47	33	1	-	18	-	-	6		77	16
16-20	74	62	-	-	-	12	-	-	3		53	18
21-25	93	78	1	-	-	14	-	-	8		60	25
26-30	64	59	-	1	-	4	-	-	5		44	15
31-35	45	45	-	-	-	-	-	-	7		23	15
36-40	59	56	-	-	-	3	-	-	4		38	17
41-45	74	68	-	1	-	5	-	-	4		50	20
46-50	66	64	-	-	-	2	-	-	2		48	16
51-60	105	103	-	1	-	1	-	-	6		75	24
61-70	125	123	-	-	-	2	-	-	4		95	26
71-80	105	103	-	-	-	2	-	-	7		76	22
81-90	101	99	-	-	-	2	-	-	3		76	22
91-100	91	91	-	-	-	-	-	-	2		64	25
> 100	279	277	-	-	-	2	-	-	13		201	65
Total	1,781	1,379	156	7	23	112	89	15	87		1,270	424

Highway User Struck Rail Equip

Consist Length											Driver Gender	
	Total	Freight Train	Psgr Comm Trn	Work Train	Car(s)	Yard Switch	Light loco(s)	A	?		M	F
1	51	-	-	-	17	-	21	13	1		35	15
2-5	74	21	5	2	2	19	24	1	2		51	21
6-10	51	28	8	-	-	15	-	-	1		43	7
11-15	36	16	4	-	-	16	-	-	-		30	6
16-20	29	23	-	-	-	6	-	-	1		23	5
21-25	22	18	-	-	-	4	-	-	-		19	3
26-30	22	18	-	-	-	4	-	-	2		16	4
31-35	18	11	-	-	-	7	-	-	1		13	4
36-40	17	16	-	-	-	1	-	-	1		11	5
41-45	13	11	-	-	-	2	-	-	-		9	4
46-50	10	10	-	-	-	-	-	-	-		8	2
51-60	39	34	-	-	-	5	-	-	3		29	7
61-70	34	31	-	-	1	2	-	-	2		25	7
71-80	37	37	-	-	-	-	-	-	2		27	8
81-90	30	29	-	-	1	-	-	-	-		27	3
91-100	19	18	-	-	-	1	-	-	1		14	4
> 100	103	101	-	-	-	2	-	-	3		82	18
Total	605	422	17	2	21	84	45	14	20		462	123

TABLE 8-12
MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS
BY TYPE CONSIST, NUMBER OF PEOPLE ON TRAIN, AND TYPE PERSON HURT, 2006

Consist	People on Train		Total		Hwy User		RR Employees		Others	
	Total	Avg	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal
Freight Train	4,134	2	209	653	208	592	1	62	0	-1
Psgr Train	17,551	139	29	89	29	38	0	6	0	45
Commuter Train	7,814	166	9	29	9	16	0	1	0	12
Work Train	21	2	-	3	0	2	0	1	0	0
Single Car	4	1	-	1	0	1	0	0	0	0
Cut of Cars	0	0	-	1	0	1	0	0	0	0
Yard/ Switch	553	3	8	49	7	48	1	1	0	0
Light loco(s)	334	2	9	37	9	32	0	6	0	-1
Maint Insp car	43	1	2	15	2	14	0	1	0	0
Spec MOW Eqp	37	1	-	11	0	11	0	0	0	0
Total	30,491	13	266	888	264	755	2	78	0	55

TABLE 8-13
MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS
BY TYPE VEHICLE, NUMBER OF OCCUPANTS, AND VEHICLE DAMAGE, 2006

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	1,603	1	5,008,728	4,234	117	396	117	391	0	4	0	1
Truck	184	1	1,421,200	8,215	19	68	18	47	1	12	0	9
Trk& Trail	377	1	4,753,557	13,278	20	176	19	78	1	54	0	44
Pickup Trk	524	1	2,272,325	5,236	71	146	71	142	0	2	0	2
Van	149	1	582,455	5,547	22	44	22	44	0	1	0	-1
Bus	6	1	314,500	62,900	-	1	0	1	0	0	0	0
School Bus	1	1	6,000	3,000	-	1	0	1	0	0	0	0
Motorcycle	3	1	11,500	2,300	-	3	0	3	0	0	0	0
Oth Mtr V.	157	1	936,825	7,742	17	53	17	48	0	5	0	0
Total	3,004	1	15,307,090	6,415	266	888	264	755	2	78	0	55

TABLE 8-14
MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS
BY TYPE WARNING. POSITION ON CROSSING AND HAZMAT RELEASES, 2006

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	8	0.3	-	1	7	-	1	-	-	7
Other	2	0.1	-	-	2	-	-	-	-	2
Cross bucks	486	20.4	14	111	361	-	3	125	3	355
Stop signs	230	9.6	14	58	156	2	1	58	2	169
Special warning	17	0.7	-	2	15	-	-	1	-	16
HWTS,WW,Bells	10	0.4	-	2	8	-	-	3	1	6
Flashing lights	331	13.9	10	91	228	2	4	84	1	242
Gates	697	29.2	96	329	232	40	3	179	4	511
Total	1,781	74.6	134	594	1,009	44	12	450	11	1,308

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	5	0.2	-	-	5	-	-	-	-	5
Other	1	0.0	-	-	1	-	-	-	-	1
Cross bucks	191	8.0	-	-	191	-	-	38	-	153
Stop signs	47	2.0	-	-	47	-	-	12	-	35
Special warning	17	0.7	-	-	17	-	-	-	-	17
HWTS,WW,Bells	2	0.1	-	-	2	-	-	-	-	2
Flashing lights	159	6.7	-	-	159	-	1	34	-	124
Gates	183	7.7	-	1	182	-	1	35	-	147
Total	605	25.4	-	1	604	-	2	119	-	484

Grand Total

Type Warning	Total		Position on Crossing				Hazmat Released By			
	Cnt	%	Stalled	Stopped	Moving	Trapped	Hwy User	Rail User	Both	Neither
Unknown	13	0.5	-	1	12	-	1	-	-	12
Other	3	0.1	-	-	3	-	-	-	-	3
Cross bucks	677	28.4	14	111	552	-	3	163	3	508
Stop signs	277	11.6	14	58	203	2	1	70	2	204
Special warning	34	1.4	-	2	32	-	-	1	-	33
HWTS,WW,Bells	12	0.5	-	2	10	-	-	3	1	8
Flashing lights	490	20.5	10	91	387	2	5	118	1	366
Gates	880	36.9	96	330	414	40	4	214	4	658
Total	2,386	100.0	134	595	1,613	44	14	569	11	1,792

TABLE 8-15
MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS
BY TYPE VEHICLE AND WARNING DEVICE, 2006

Rail Equip Struck Highway User

Type Vehicle	Total		Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS,WW,Bells	Flashing lights	Gates
	Cnt	%								
Car	863	36.2	3	2	193	95	9	7	153	401
Truck	136	5.7	1	-	54	31	-	-	26	24
Trk& Trail	319	13.4	3	-	100	39	1	3	74	99
Pickup Trk	299	12.5	1	-	102	40	4	-	48	104
Van	65	2.7	-	-	13	8	2	-	15	27
Bus	4	0.2	-	-	-	-	-	-	-	4
School Bus	2	0.1	-	-	1	-	-	-	-	1
Motorcycle	3	0.1	-	-	-	-	-	-	-	3
Oth Mtr V.	90	3.8	-	-	23	17	1	-	15	34
Total	1,781	74.6	8	2	486	230	17	10	331	697

Highway User Struck Rail Equip

Type Vehicle	Total		Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS,WW,Bells	Flashing lights	Gates
	Cnt	%								
Car	320	13.4	1	1	92	28	8	2	83	105
Truck	37	1.6	-	-	13	3	1	-	7	13
Trk& Trail	39	1.6	2	-	14	3	2	-	9	9
Pickup Trk	135	5.7	1	-	45	8	3	-	42	36
Van	40	1.7	1	-	12	2	2	-	11	12
Bus	1	0.0	-	-	1	-	-	-	-	-
School Bus	-	0.0	-	-	-	-	-	-	-	-
Motorcycle	2	0.1	-	-	2	-	-	-	-	-
Oth Mtr V.	31	1.3	-	-	12	3	1	-	7	8
Total	605	25.4	5	1	191	47	17	2	159	183

Grand Total

Type Vehicle	Total		Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS,WW,Bells	Flashing lights	Gates
	Cnt	%								
Car	1,183	49.6	4	3	285	123	17	9	236	506
Truck	173	7.3	1	-	67	34	1	-	33	37
Trk& Trail	358	15.0	5	-	114	42	3	3	83	108
Pickup Trk	434	18.2	2	-	147	48	7	-	90	140
Van	105	4.4	1	-	25	10	4	-	26	39
Bus	5	0.2	-	-	1	-	-	-	-	4
School Bus	2	0.1	-	-	1	-	-	-	-	1
Motorcycle	5	0.2	-	-	2	-	-	-	-	3
Oth Mtr V.	121	5.1	-	-	35	20	2	-	22	42
Total	2,386	100.0	13	3	677	277	34	12	490	880

TABLE 8-16
MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS
BY WARNING STATUS FOR ACCIDENTS OCCURRING AT CROSSINGS
WITH TRAIN ACTIVATED DEVICES BY TYPE VEHICLE, 2006

Rail Equip Struck Highway User

Type Vehicle	Status of Warning System							
	Total	Provided Minimum 20 Secs.	Alleged > 60 Secs.	Alleged < 20 Secs.	Alleged No Warning	Confirm > 60 Secs.	Confirm < 20 Secs.	Confirm No Warning
Car	561	536	5	6	1	-	1	12
Truck	50	46	2	1	-	-	-	1
Trk& Trail	176	170	2	1	1	-	-	2
Pickup Trk	152	146	2	-	-	1	-	3
Van	42	40	-	1	-	-	-	1
Bus	4	4	-	-	-	-	-	-
School Bus	1	1	-	-	-	-	-	-
Motorcycle	3	3	-	-	-	-	-	-
Oth Mtr V.	49	49	-	-	-	-	-	-
Total	1,038	995	11	9	2	1	1	19

Highway User Struck Rail Equip

Type Vehicle	Status of Warning System							
	Total	Provided Minimum 20 Secs.	Alleged > 60 Secs.	Alleged < 20 Secs.	Alleged No Warning	Confirm > 60 Secs.	Confirm < 20 Secs.	Confirm No Warning
Car	190	173	3	1	-	2	1	10
Truck	20	19	-	-	-	-	-	1
Trk& Trail	18	17	-	-	-	-	-	1
Pickup Trk	78	72	3	-	-	-	-	3
Van	23	22	-	1	-	-	-	-
Bus	-	-	-	-	-	-	-	-
School Bus	-	-	-	-	-	-	-	-
Motorcycle	-	-	-	-	-	-	-	-
Oth Mtr V.	15	15	-	-	-	-	-	-
Total	344	318	6	2	-	2	1	15

Grand Total

Type Vehicle	Status of Warning System							
	Total	Provided Minimum 20 Secs.	Alleged > 60 Secs.	Alleged < 20 Secs.	Alleged No Warning	Confirm > 60 Secs.	Confirm < 20 Secs.	Confirm No Warning
Car	751	709	8	7	1	2	2	22
Truck	70	65	2	1	-	-	-	2
Trk& Trail	194	187	2	1	1	-	-	3
Pickup Trk	230	218	5	-	-	1	-	6
Van	65	62	-	2	-	-	-	1
Bus	4	4	-	-	-	-	-	-
School Bus	1	1	-	-	-	-	-	-
Motorcycle	3	3	-	-	-	-	-	-
Oth Mtr V.	64	64	-	-	-	-	-	-
Total	1,382	1,313	17	11	2	3	2	34

CHAPTER 9

HIGHWAY-RAIL CROSSING INVENTORY

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

Railroads, with direction and guidance from the Association of American Railroads (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 be the responsibility of the State and/or local governmental agencies.

The Inventory Data File is a record of grade crossing location, physical, and operational characteristics to provide information for the administration and statistical analysis of crossings. This information is reported on a voluntary basis to 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 improvement, studies related to railroad safety programs, effectiveness of warning devices, and for other safety programs and issues.

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

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TABLE 9-1
AT-GRADE HIGHWAY-RAIL CROSSINGS BY RAILROAD, 2006

Railroads	Total		Pedestrian		Private Vehicle		Public Vehicle	
	Cnt	%	Cnt	%	Cnt	%	Cnt	%
Alton & Southern	42	0.0	-	-	25	0.0	17	0.0
Alaska RR Corp.	330	0.1	9	0.0	106	0.0	215	0.1
Amtrak	292	0.1	13	0.0	61	0.0	218	0.1
Bangor & Aroostook	504	0.2	5	0.0	342	0.1	157	0.1
Burlington Northern Santa Fe	28,333	12.3	219	0.1	10,160	4.4	17,954	7.8
Buffalo & Pittsburg	831	0.4	5	0.0	397	0.2	429	0.2
Belt Rwy Of Chicago	126	0.1	-	-	83	0.0	43	0.0
Canadian National	10,353	4.5	120	0.1	3,630	1.6	6,603	2.9
Canadian Pacific	4,613	2.0	65	0.0	2,342	1.0	2,206	1.0
Conrail Shared Assets	2,207	1.0	18	0.0	842	0.4	1,347	0.6
CSX Transportation	26,643	11.6	286	0.1	9,191	4.0	17,166	7.5
Dakota,Minnesota & Eastern	3,061	1.3	10	0.0	1,059	0.5	1,992	0.9
Elgin, Joliet & Eastern	262	0.1	7	0.0	73	0.0	182	0.1
Florida East Coast	843	0.4	12	0.0	108	0.0	723	0.3
Grand Canyon Railway	24	0.0	1	0.0	13	0.0	10	0.0
Guilford Rail System	1,200	0.5	12	0.0	527	0.2	661	0.3
Indiana Harbor Belt	110	0.0	-	-	37	0.0	73	0.0
Kansas City Southern	4,913	2.1	10	0.0	1,989	0.9	2,914	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.	333	0.1	-	-	34	0.0	299	0.1
Metro North Commuter	165	0.1	5	0.0	71	0.0	89	0.0
Montana Rail Link	1,115	0.5	3	0.0	705	0.3	407	0.2
Northern IN Comm Trans	139	0.1	7	0.0	23	0.0	109	0.0
Northeast IL Reg Comm	400	0.2	115	0.1	28	0.0	257	0.1
New Jersey Transit Rail	460	0.2	25	0.0	89	0.0	346	0.2
Norfolk Southern Corp.	32,121	14.0	164	0.1	12,834	5.6	19,123	8.3
Paducah & Louisville	372	0.2	4	0.0	148	0.1	220	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	18	0.0	34	0.0	300	0.1
Southeastern PA Trans.	253	0.1	11	0.0	32	0.0	210	0.1
Term RR Assn Of St. Louis	125	0.1	-	-	11	0.0	114	0.0
Union Pacific	36,899	16.1	260	0.1	13,349	5.8	23,290	10.1
Union RR (Pittsburgh)	53	0.0	6	0.0	39	0.0	8	0.0
Wheeling & Lake Erie	973	0.4	8	0.0	405	0.2	560	0.2
Wisconsin & Southern RR	1,324	0.6	19	0.0	497	0.2	808	0.4
Other Railroads	69,475	30.2	537	0.2	28,511	12.4	40,427	17.6
Total	229,897	100.0	1,990	0.9	88,021	38.3	139,886	60.8

TABLE 9-2
AT-GRADE HIGHWAY-RAIL CROSSINGS BY STATE, 2006

States	Total		Pedestrian		Private Vehicle		Public Vehicle	
	Cnt	%	Cnt	%	Cnt	%	Cnt	%
Alabama	4,620	2.0	18	0.0	1,654	0.7	2,948	1.3
Alaska	334	0.1	9	0.0	106	0.0	219	0.1
Arizona	1,370	0.6	6	0.0	581	0.3	783	0.3
Arkansas	4,356	1.9	8	0.0	1,406	0.6	2,942	1.3
California	10,245	4.5	147	0.1	3,619	1.6	6,479	2.8
Colorado	2,851	1.2	23	0.0	1,082	0.5	1,746	0.8
Connecticut	657	0.3	9	0.0	278	0.1	370	0.2
Delaware	445	0.2	2	0.0	164	0.1	279	0.1
Dist Of Columbia	40	0.0	10	0.0	22	0.0	8	0.0
Florida	5,352	2.3	60	0.0	1,334	0.6	3,958	1.7
Georgia	8,298	3.6	40	0.0	2,497	1.1	5,761	2.5
Hawaii	8	0.0	-	-	-	-	8	0.0
Idaho	2,443	1.1	13	0.0	1,134	0.5	1,296	0.6
Illinois	12,672	5.5	354	0.2	4,280	1.9	8,038	3.5
Indiana	8,094	3.5	52	0.0	2,003	0.9	6,039	2.6
Iowa	7,399	3.2	48	0.0	2,934	1.3	4,417	1.9
Kansas	8,896	3.9	27	0.0	3,089	1.3	5,780	2.5
Kentucky	4,876	2.1	36	0.0	2,432	1.1	2,408	1.0
Louisiana	6,063	2.6	32	0.0	2,810	1.2	3,221	1.4
Maine	1,680	0.7	9	0.0	834	0.4	837	0.4
Maryland	1,380	0.6	7	0.0	688	0.3	685	0.3
Massachusetts	1,354	0.6	17	0.0	502	0.2	835	0.4
Michigan	7,913	3.4	72	0.0	2,498	1.1	5,343	2.3
Minnesota	7,475	3.3	54	0.0	2,689	1.2	4,732	2.1
Mississippi	4,276	1.9	16	0.0	1,914	0.8	2,346	1.0
Missouri	7,232	3.1	67	0.0	2,934	1.3	4,231	1.8
Montana	3,301	1.4	15	0.0	1,878	0.8	1,408	0.6
Nebraska	5,119	2.2	11	0.0	2,025	0.9	3,083	1.3
Nevada	505	0.2	3	0.0	222	0.1	280	0.1
New Hampshire	604	0.3	16	0.0	240	0.1	348	0.2
New Jersey	2,115	0.9	46	0.0	545	0.2	1,524	0.7
New Mexico	1,232	0.5	-	-	499	0.2	733	0.3
New York	5,889	2.6	80	0.0	2,909	1.3	2,900	1.3
North Carolina	7,265	3.2	55	0.0	3,064	1.3	4,146	1.8
North Dakota	5,142	2.2	15	0.0	1,502	0.7	3,625	1.6
Ohio	9,624	4.2	39	0.0	3,332	1.4	6,253	2.7
Oklahoma	5,295	2.3	14	0.0	1,365	0.6	3,916	1.7
Oregon	4,762	2.1	83	0.0	2,546	1.1	2,133	0.9
Pennsylvania	7,633	3.3	106	0.0	3,169	1.4	4,358	1.9
Rhode Island	137	0.1	26	0.0	39	0.0	72	0.0
South Carolina	4,046	1.8	10	0.0	1,252	0.5	2,784	1.2
South Dakota	3,249	1.4	7	0.0	1,176	0.5	2,066	0.9
Tennessee	4,603	2.0	22	0.0	1,738	0.8	2,843	1.2
Texas	15,313	6.7	31	0.0	5,475	2.4	9,807	4.3
Utah	1,376	0.6	2	0.0	586	0.3	788	0.3
Vermont	1,167	0.5	44	0.0	625	0.3	498	0.2
Virginia	4,812	2.1	43	0.0	2,753	1.2	2,016	0.9
Washington	5,215	2.3	46	0.0	2,621	1.1	2,548	1.1
West Virginia	3,554	1.5	54	0.0	1,967	0.9	1,533	0.7
Wisconsin	6,494	2.8	85	0.0	2,287	1.0	4,122	1.8
Wyoming	1,116	0.5	1	0.0	722	0.3	393	0.2
Total	229,897	100.0	1,990	0.9	88,021	38.3	139,886	60.8

TABLE 9-3
PUBLIC-AT GRADE BY WARNING DEVICE AND RAILROAD, 2006

Railroads	Total		Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS, WW, Bells	Flashing lights	Gates
	Cnt	%								
Alton & Southern	17	0.01	-	-	5	-	-	-	7	5
Alaska RR Corp.	215	0.15	8	2	89	28	7	-	18	63
Amtrak	218	0.16	7	2	10	6	5	-	5	183
Bangor & Aroostook	157	0.11	-	-	58	3	5	-	86	5
Burlington Northern Santa Fe	17,954	12.83	319	20	8,581	811	121	80	2,085	5,937
Buffalo & Pittsburg	429	0.31	6	1	193	7	8	3	148	63
Belt Rwy Of Chicago	43	0.03	5	-	13	-	1	-	8	16
Canadian National	6,603	4.72	83	19	2,363	875	52	31	1,438	1,742
Canadian Pacific	2,206	1.58	77	-	1,060	225	6	7	172	659
Conrail Shared Assets	1,347	0.96	105	34	300	27	215	24	468	174
CSX Transportation	17,166	12.27	411	13	4,124	1,445	280	184	3,420	7,289
Dakota, Minnesota & Eastern	1,992	1.42	33	-	1,200	191	6	9	321	232
Elgin, Joliet & Eastern	182	0.13	-	-	18	4	4	1	32	123
Florida East Coast	723	0.52	9	-	34	4	27	-	33	616
Grand Canyon Railway	10	0.01	3	-	6	-	-	-	-	1
Guilford Rail System	661	0.47	20	4	149	32	61	8	218	169
Indiana Harbor Belt	73	0.05	1	-	12	-	11	-	18	31
Kansas City Southern	2,914	2.08	56	-	1,539	143	12	21	445	698
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	0.21	14	-	35	2	17	3	24	204
Metro North Commuter	89	0.06	2	-	3	-	1	1	41	41
Montana Rail Link	407	0.29	6	-	200	40	-	-	65	96
Northern IN Comm Trans	109	0.08	5	-	27	5	-	1	37	34
Northeast IL Reg Comm	257	0.18	41	-	-	1	-	-	7	208
New Jersey Transit Rail	346	0.25	7	-	26	1	7	1	74	230
Norfolk Southern Corp.	19,123	13.67	698	68	5,888	1,761	327	101	3,486	6,794
Paducah & Louisville	220	0.16	10	-	86	10	-	1	93	20
Port Terminal RR Assn	69	0.05	6	-	24	3	-	-	11	25
Southern CA Reg Rail Auth.	300	0.21	-	-	4	1	-	7	14	274
Southeastern PA Trans.	210	0.15	33	7	17	11	12	21	41	68
Term RR Assn Of St. Louis	114	0.08	1	-	12	2	39	-	18	42
Union Pacific	23,290	16.65	616	30	9,063	1,754	168	235	3,035	8,389
Union RR (Pittsburgh)	8	0.01	-	-	-	-	-	5	1	2
Wheeling & Lake Erie	560	0.40	7	-	274	21	1	3	142	112
Wisconsin & Southern RR	808	0.58	7	-	189	263	-	12	291	46
Other Railroads	40,427	28.90	1,293	225	21,846	3,905	1,014	501	6,995	4,648
Total	139,886	100.0	3,896	426	57,464	11,587	2,411	1,267	23,306	39,529

TABLE 9-4
PUBLIC AT-GRADE BY WARNING DEVICE AND STATE, 2006

States	Total		Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS, WW, Bells	Flashing lights	Gates	AADT
	Cnt	%									
Alabama	2,948	2.11	53	10	842	704	18	85	530	706	6,167,733
Alaska	219	0.16	9	2	92	28	7	-	18	63	513,318
Arizona	783	0.56	18	-	239	80	12	5	49	380	2,592,007
Arkansas	2,942	2.10	110	1	1,702	221	67	27	390	424	3,541,551
California	6,479	4.63	100	15	2,079	232	28	205	831	2,989	34,959,562
Colorado	1,746	1.25	48	7	845	176	23	27	181	439	3,316,961
Connecticut	370	0.26	14	-	28	48	29	5	142	104	1,299,187
Delaware	279	0.20	9	-	29	1	14	1	167	58	1,175,381
Dist Of Columbia	8	0.01	-	-	-	2	4	-	2	-	144,200
Florida	3,958	2.83	58	6	815	152	83	8	556	2,280	19,460,092
Georgia	5,761	4.12	146	8	2,178	1,006	98	114	292	1,919	9,392,363
Hawaii	8	0.01	-	1	6	1	-	-	-	-	27,000
Idaho	1,296	0.93	6	-	424	540	1	4	173	148	1,712,847
Illinois	8,038	5.75	217	1	2,915	80	94	54	2,070	2,607	21,134,403
Indiana	6,039	4.32	158	6	1,717	993	2	69	1,363	1,731	14,017,716
Iowa	4,417	3.16	23	2	2,165	452	17	28	838	892	5,457,359
Kansas	5,780	4.13	73	6	3,817	198	68	34	456	1,128	4,751,941
Kentucky	2,408	1.72	120	-	1,003	51	49	12	759	414	3,861,940
Louisiana	3,221	2.30	149	11	1,488	250	25	10	539	749	6,501,176
Maine	837	0.60	7	-	273	11	64	4	396	82	1,964,995
Maryland	685	0.49	26	-	236	48	24	23	209	119	2,528,572
Massachusetts	835	0.60	38	3	113	8	61	14	288	310	5,106,002
Michigan	5,343	3.82	144	7	1,168	1,575	89	28	1,320	1,012	14,786,383
Minnesota	4,732	3.38	68	6	2,346	882	16	8	484	922	6,555,352
Mississippi	2,346	1.68	67	66	872	444	27	7	473	390	4,276,883
Missouri	4,231	3.02	159	3	2,247	129	74	45	787	787	4,354,500
Montana	1,408	1.01	30	8	874	88	6	1	160	241	1,286,908
Nebraska	3,083	2.20	75	5	1,987	196	4	5	187	624	1,946,132
Nevada	280	0.20	1	2	123	10	2	1	24	117	746,438
New Hampshire	348	0.25	4	1	100	44	33	2	121	43	739,251
New Jersey	1,524	1.09	50	-	298	17	118	20	592	429	8,826,651
New Mexico	733	0.52	9	4	370	19	1	5	97	228	888,485
New York	2,900	2.07	82	21	542	22	144	67	380	1,642	7,694,494
North Carolina	4,146	2.96	178	10	1,476	76	107	19	621	1,659	11,436,729
North Dakota	3,625	2.59	66	-	2,934	61	1	-	39	524	1,065,376
Ohio	6,253	4.47	71	9	2,534	160	67	23	1,047	2,342	14,837,447
Oklahoma	3,916	2.80	58	7	2,419	105	56	17	522	732	4,266,681
Oregon	2,133	1.52	114	30	741	406	86	37	116	603	4,401,833
Pennsylvania	4,358	3.12	242	148	1,459	135	339	65	1,147	823	12,794,536
Rhode Island	72	0.05	8	1	4	1	9	17	16	16	410,800
South Carolina	2,784	1.99	13	-	717	581	97	4	413	959	7,019,794
South Dakota	2,066	1.48	73	-	1,703	30	-	-	221	39	1,234,430
Tennessee	2,843	2.03	203	1	1,120	162	123	14	640	580	5,819,691
Texas	9,807	7.01	280	3	3,924	256	70	61	1,040	4,173	35,571,838
Utah	788	0.56	59	4	274	56	55	20	113	207	1,427,778
Vermont	498	0.36	8	-	188	28	34	2	206	32	764,326
Virginia	2,016	1.44	51	2	449	9	5	9	390	1,101	5,774,819
Washington	2,548	1.82	225	2	1,248	97	39	24	342	571	4,674,233
West Virginia	1,533	1.10	121	6	677	24	17	5	456	227	1,657,683
Wisconsin	4,122	2.95	45	1	1,545	683	3	31	1,039	775	9,085,134
Wyoming	393	0.28	10	-	119	9	1	1	64	189	331,381
Total	139,886	100.0	3,896	426	57,464	11,587	2,411	1,267	23,306	39,529	324,302,292

TABLE 9-5
PRIVATE/PEDESTRIAN AT-GRADE BY DEVELOPMENT AND RAILROAD, 2006

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	61	0.07	-	27	12	2	20
Bangor & Aroostook	342	0.39	-	148	33	45	116
Burlington Northern Santa Fe	10,158	11.53	6	6,792	794	396	2,170
Buffalo & Pittsburg	397	0.45	-	187	84	34	92
Belt Rwy Of Chicago	83	0.09	-	-	-	-	83
Canadian National	3,630	4.12	11	2,203	411	60	945
Canadian Pacific	2,342	2.66	2	1,704	191	73	372
Conrail Shared Assets	842	0.96	2	329	78	24	409
CSX Transportation	9,200	10.44	422	4,760	1,694	168	2,156
Dakota, Minnesota & Eastern	1,061	1.20	4	878	59	8	112
Elgin, Joliet & Eastern	73	0.08	6	14	-	-	53
Florida East Coast	110	0.12	86	3	2	1	18
Grand Canyon Railway	13	0.01	-	11	-	1	1
Guilford Rail System	527	0.60	-	157	52	22	296
Indiana Harbor Belt	37	0.04	4	-	-	-	33
Kansas City Southern	1,989	2.26	6	1,372	207	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.	34	0.04	3	10	7	1	13
Metro North Commuter	71	0.08	1	14	11	8	37
Montana Rail Link	705	0.80	-	490	61	16	138
Northern IN Comm Trans	28	0.03	8	6	-	2	12
Northeast IL Reg Comm	39	0.04	9	2	7	1	20
New Jersey Transit Rail	89	0.10	1	32	19	4	33
Norfolk Southern Corp.	12,841	14.58	963	6,534	2,676	215	2,453
Paducah & Louisville	148	0.17	1	64	34	-	49
Port Auth Trans Hudson	2	0.00	-	1	-	-	1
Port Terminal RR Assn	101	0.11	-	2	-	-	99
Southern CA Reg Rail Auth.	35	0.04	1	9	6	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	13,346	15.15	140	8,569	1,225	147	3,265
Union RR (Pittsburgh)	39	0.04	-	-	-	-	39
Wheeling & Lake Erie	405	0.46	1	217	36	6	145
Wisconsin & Southern RR	497	0.56	-	402	19	9	67
Other Railroads	28,543	32.40	306	17,198	3,770	559	6,710
Total	88,085	100.0	1,984	52,243	11,529	1,830	20,499

TABLE 9-6
PRIVATE/PEDESTRIAN AT-GRADE BY TYPE DEVELOPMENT AND STATE, 2006

States	Total		Not reported	Farm	Residential	Recreational	Industrial
	Cnt	%					
Alabama	1,654	1.88	16	941	288	28	381
Alaska	106	0.12	1	3	13	6	83
Arizona	581	0.66	2	332	23	13	211
Arkansas	1,406	1.60	1	920	205	19	261
California	3,621	4.11	12	1,715	278	91	1,525
Colorado	1,082	1.23	1	674	199	20	188
Connecticut	278	0.32	3	55	39	33	148
Delaware	164	0.19	-	85	45	4	30
Dist Of Columbia	30	0.03	2	-	1	-	27
Florida	1,343	1.52	243	420	184	23	473
Georgia	2,497	2.83	6	1,354	593	33	511
Idaho	1,134	1.29	-	732	42	15	345
Illinois	4,287	4.87	16	2,751	413	74	1,033
Indiana	2,017	2.29	110	1,196	372	20	319
Iowa	2,934	3.33	10	2,122	289	57	456
Kansas	3,089	3.51	-	2,607	157	14	311
Kentucky	2,432	2.76	2	1,379	674	15	362
Louisiana	2,810	3.19	2	1,530	432	25	821
Maine	834	0.95	-	348	114	72	300
Maryland	688	0.78	20	348	85	16	219
Massachusetts	502	0.57	4	157	60	36	245
Michigan	2,499	2.84	4	1,256	388	122	729
Minnesota	2,692	3.06	8	1,919	222	62	481
Mississippi	1,914	2.17	15	1,229	382	14	274
Missouri	2,934	3.33	1	2,114	311	40	468
Montana	1,878	2.13	-	1,456	105	38	279
Nebraska	2,025	2.30	-	1,734	75	55	161
Nevada	222	0.25	141	31	2	7	41
New Hampshire	243	0.28	1	107	51	29	55
New Jersey	545	0.62	3	188	64	9	281
New Mexico	499	0.57	-	351	25	26	97
New York	2,917	3.31	8	1,886	372	161	490
North Carolina	3,066	3.48	14	1,403	856	35	758
North Dakota	1,502	1.71	-	1,345	17	8	132
Ohio	3,332	3.78	21	2,088	352	39	832
Oklahoma	1,364	1.55	1	977	136	15	235
Oregon	2,546	2.89	2	1,168	325	39	1,012
Pennsylvania	3,170	3.60	17	1,288	576	145	1,144
Rhode Island	49	0.06	-	5	8	6	30
South Carolina	1,252	1.42	4	613	300	19	316
South Dakota	1,176	1.34	1	976	75	7	117
Tennessee	1,739	1.97	9	958	395	24	353
Texas	5,475	6.22	6	3,585	560	47	1,277
Utah	586	0.67	-	371	26	15	174
Vermont	625	0.71	-	438	58	26	103
Virginia	2,750	3.12	1,267	961	189	17	316
Washington	2,621	2.98	6	1,223	343	102	947
West Virginia	1,967	2.23	1	844	628	44	450
Wisconsin	2,287	2.60	1	1,488	170	55	573
Wyoming	721	0.82	2	572	12	10	125
Total	88,085	100.0	1,984	52,243	11,529	1,830	20,499

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 went on the crossing, or unless the person attempted to pass over, under, or between cars or locomotives of a consist occupying the crossing. Although these individuals are identified as “trespassers” on Form FRA F 6180.55a, they are excluded from this chapter because the incident is defined as a highway-rail incident. The casualties that summarize highway-rail 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, 2006

Condition	Tot	Age of Trespasser															
		Unknown	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	Other
Bruise/contusion	52	4	-	-	2	7	6	4	9	5	4	5	2	3	-	-	1
Crushing injury	19	-	-	-	-	2	1	1	3	1	4	4	3	-	-	-	-
Sprain/Str.,leg/foot	9	1	-	-	-	2	-	3	2	1	-	-	-	-	-	-	-
Sprain/Str.,head/fac	2	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-
Sprain/Str.,torso	3	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	1
Sprain/Str., other	3	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-
Cut/abrasion	86	4	-	-	5	7	2	10	10	18	12	11	3	1	2	-	1
Puncture wound	2	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Electric shock/burn	3	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Other burn	3	-	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-
Fracture,arm/hand	18	2	-	-	-	3	2	3	2	4	1	-	-	1	-	-	-
Fracture,leg/foot	32	3	-	1	2	4	7	3	5	3	1	2	-	-	1	-	-
Fracture,head/face	6	1	-	-	-	1	-	-	1	1	-	1	-	1	-	-	-
Fracture,torso	11	-	-	-	1	1	2	-	4	1	-	-	1	-	-	-	1
Fracture,multiple	6	-	-	-	-	-	1	-	-	-	1	-	1	2	-	-	1
Fracture,other	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Dental related	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Amputation,arm/hand	14	2	-	1	-	-	-	3	-	3	4	1	-	-	-	-	-
Amputation,leg/foot	60	5	-	4	4	6	8	7	1	7	6	6	4	1	1	-	-
Amputation,other	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Fatality	463	39	3	3	15	43	45	40	39	43	58	42	47	17	10	5	14
Concussion	2	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Internal injury	13	-	-	-	-	1	1	1	1	2	2	3	1	-	1	-	-
Skin reaction	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Unspecified injury	68	15	-	-	2	3	4	11	2	8	6	9	4	2	-	-	2
Total	880	78	3	9	31	88	81	91	81	98	100	84	67	28	15	5	21

TABLE 10-2
TRESPASSERS KILLED, BY RAILROAD AND AGE, NOT AT HRC, 2006

Railroads	Tot	Age of Trespasser															
		Unknown	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	Other
Alaska RR Corp.	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Amtrak	71	7	1	2	5	5	5	11	3	5	9	4	8	2	2	-	2
Burlington Northern Santa Fe	73	6	1	-	1	9	7	7	8	3	9	4	10	2	3	-	3
Canadian National	8	1	-	-	1	1	1	-	-	1	1	-	1	-	1	-	-
Conrail Shared Assets	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
CSX Transportation	62	13	-	-	-	4	3	8	4	6	6	5	6	5	-	1	1
Dakota,Minnesota & Eastern	2	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-
Florida East Coast	16	-	-	-	-	-	2	1	-	1	3	3	2	1	-	1	2
Guilford Rail System	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Kansas City Southern	5	-	-	-	-	1	1	-	1	-	1	-	1	-	-	-	-
Long Island Rail Road	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
MD Assn. of Rail Comm	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Mass Bay Transit Auth.	3	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-
Metro North Commuter	3	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-
Montana Rail Link	3	-	-	-	-	-	1	-	-	-	-	1	1	-	-	-	-
Northeast IL Reg Comm	6	1	-	-	-	1	-	-	-	1	1	-	2	-	-	-	-
New Jersey Transit Rail	7	-	-	-	-	3	1	-	-	-	-	1	2	-	-	-	-
Norfolk Southern Corp.	72	-	-	-	3	9	7	4	9	10	13	8	5	2	1	1	-
Paducah & Louisville	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Peninsula Comm San Mateo Cnty	9	3	-	-	-	-	2	1	-	-	-	-	2	1	-	-	-
Southern CA Reg Rail Auth.	5	3	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Southeastern PA Trans.	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Union Pacific	95	-	-	1	3	8	10	7	11	13	14	14	2	3	2	1	6
Other Railroads	14	3	1	-	1	-	4	1	1	-	1	-	1	-	1	-	-
Total	463	39	3	3	15	43	45	40	39	43	58	42	47	17	10	5	14

TABLE 10-3
TRESPASSERS KILLED, BY STATE AND AGE, NOT AT HRC, 2006

States	Tot	Age of Trespasser															Other
		Unknown	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	
Alabama	6	2	-	-	1	-	1	-	-	-	1	-	1	-	-	-	-
Alaska	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Arizona	21	3	-	-	-	-	4	-	-	3	1	3	5	1	1	-	-
Arkansas	4	-	-	-	-	2	1	-	-	-	-	1	-	-	-	-	-
California	87	7	1	-	1	4	10	8	5	7	14	4	11	6	4	-	5
Colorado	3	-	1	-	-	-	-	-	1	-	-	-	1	-	-	-	-
Connecticut	3	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-
Delaware	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Dist Of Columbia	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Florida	33	3	-	-	-	-	3	3	2	1	6	5	3	3	-	1	3
Georgia	15	2	-	-	-	1	-	1	-	4	2	2	2	-	1	-	-
Idaho	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Illinois	19	2	-	-	-	1	-	-	-	4	3	1	5	-	1	-	2
Indiana	14	-	-	-	1	3	2	1	2	-	2	1	1	1	-	-	-
Iowa	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
Kansas	2	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-
Kentucky	7	1	-	-	-	1	-	-	-	2	-	-	1	1	-	1	-
Louisiana	10	-	1	-	-	1	1	-	2	2	2	-	-	-	1	-	-
Maryland	10	3	-	1	1	-	-	2	1	-	-	2	-	-	-	-	-
Massachusetts	5	-	-	-	-	2	-	-	-	1	-	-	2	-	-	-	-
Michigan	5	1	-	-	-	-	-	-	2	-	-	-	2	-	-	-	-
Minnesota	2	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Mississippi	8	1	-	-	-	1	1	-	1	-	2	-	1	-	-	-	1
Missouri	4	-	-	-	-	1	-	-	1	-	1	-	-	-	-	-	1
Montana	6	1	-	-	-	1	1	1	-	-	-	1	1	-	-	-	-
Nebraska	5	-	-	-	-	-	-	1	1	2	-	1	-	-	-	-	-
Nevada	4	-	-	-	-	-	-	1	-	-	2	1	-	-	-	-	-
New Jersey	13	-	-	-	-	4	1	2	-	-	-	2	3	-	-	1	-
New Mexico	8	-	-	-	-	2	2	1	1	1	1	-	-	-	-	-	-
New York	14	1	-	-	-	1	2	2	2	2	3	1	-	-	-	-	-
North Carolina	18	2	-	-	1	2	1	1	1	2	2	1	1	2	1	1	-
Ohio	14	2	-	-	1	3	1	2	1	3	-	1	-	-	-	-	-
Oklahoma	4	-	-	-	-	-	1	-	1	-	1	-	1	-	-	-	-
Oregon	2	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-
Pennsylvania	15	2	-	-	-	1	1	4	2	1	2	2	-	-	-	-	-
South Carolina	10	-	-	-	1	2	-	1	-	2	1	-	2	1	-	-	-
South Dakota	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Tennessee	11	2	-	-	-	1	2	2	-	2	1	1	-	-	-	-	-
Texas	44	3	-	1	3	3	6	2	7	3	4	7	2	1	-	1	1
Virginia	3	-	-	-	-	-	-	-	1	-	2	-	-	-	-	-	-
Washington	14	-	-	-	-	3	2	2	2	-	1	1	2	-	1	-	-
West Virginia	5	-	-	-	-	1	1	-	1	-	1	-	-	1	-	-	-
Wisconsin	6	1	-	-	2	2	-	1	-	-	-	-	-	-	-	-	-
Wyoming	2	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
Total	463	39	3	3	15	43	45	40	39	43	58	42	47	17	10	5	14

TABLE 10-4
TRESPASSERS INJURED, BY RAILROAD AND AGE, NOT AT HRC, 2006

Railroads	Cnt	%	Age of Trespasser													
			Unknown	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	Other
Amtrak	28	6.7	6	-	-	-	3	1	6	1	4	3	3	1	-	-
Burlington Northern Santa Fe	65	15.6	10	1	5	10	5	7	5	5	6	3	2	1		
Canadian National	9	2.2	1	-	-	1	-	1	2	2	1	-	1	-	-	-
Canadian Pacific	1	0.2	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Conrail Shared Assets	1	0.2	-	-	-	-	-	-	1	-	-	-	-	-	-	-
CSX Transportation	58	13.9	11	2	2	3	11	4	3	9	4	6	3	-	-	-
Dakota,Minnesota & Eastern	1	0.2	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Florida East Coast	6	1.4	-	-	-	-	-	-	1	1	2	1	-	1	-	-
Guilford Rail System	3	0.7	-	-	1	1	-	-	-	-	-	-	-	-	-	1
Indiana Harbor Belt	1	0.2	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Kansas City Southern	10	2.4	3	-	-	3	1	-	-	1	-	1	1	-	-	-
Long Island Rail Road	4	1.0	1	-	-	-	-	1	-	-	1	-	-	1	-	-
Metro North Commuter	3	0.7	2	-	-	-	-	-	-	-	-	1	-	-	-	-
Montana Rail Link	3	0.7	-	-	-	1	-	-	-	-	1	1	-	-	-	-
Northeast IL Reg Comm	4	1.0	1	-	-	-	-	1	-	1	-	1	-	-	-	-
New Jersey Transit Rail	5	1.2	1	-	-	-	-	1	-	-	1	1	1	-	-	-
Norfolk Southern Corp.	71	17.0	-	1	4	11	4	12	8	11	7	9	-	2	1	1
Port Auth Trans Hudson	3	0.7	1	-	-	-	-	-	-	1	-	1	-	-	-	-
Peninsula Comm San Mateo Cnty	3	0.7	-	-	-	-	-	-	1	-	1	-	-	-	-	1
Southern CA Reg Rail Auth.	3	0.7	-	-	-	-	-	-	-	1	1	-	1	-	-	-
Union Pacific	124	29.7	-	1	4	12	12	23	14	21	11	9	7	4	2	4
Other Railroads	11	2.6	2	1	-	3	-	-	1	-	3	-	-	-	1	-
Total	417	100	39	6	16	45	36	51	42	55	42	42	20	11	5	7

TABLE 10-5
TRESPASSERS INJURED, BY STATE AND AGE, NOT AT HRC, 2006

States	Cnt	%	Age of Trespasser														Other
			Unknown	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65		
Alabama	12	2.9	-	-	-	2	1	3	-	1	-	2	1	1	-	1	
Arizona	15	3.6	-	1	-	-	2	2	4	3	-	2	1	-	-	-	
Arkansas	7	1.7	-	1	3	-	-	-	1	-	1	1	-	-	-	-	
California	65	15.6	5	-	1	4	5	15	5	8	7	4	5	2	2	2	
Colorado	13	3.1	1	-	1	4	1	1	1	2	-	2	-	-	-	-	
Connecticut	1	0.2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Delaware	2	0.5	1	-	-	-	1	-	-	-	-	-	-	-	-	-	
Florida	22	5.3	4	1	-	1	3	-	1	2	5	4	-	1	-	-	
Georgia	14	3.4	1	-	-	1	3	2	2	3	-	-	1	-	1	-	
Idaho	1	0.2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
Illinois	19	4.6	2	-	2	1	-	1	3	3	2	4	-	-	-	1	
Indiana	7	1.7	-	1	-	2	-	-	-	1	-	2	-	-	1	-	
Iowa	2	0.5	1	-	-	-	-	-	-	1	-	-	-	-	-	-	
Kansas	7	1.7	-	-	-	1	1	-	-	1	2	1	1	-	-	-	
Kentucky	6	1.4	-	-	-	1	-	2	-	1	2	-	-	-	-	-	
Louisiana	11	2.6	2	-	-	3	-	1	2	1	-	1	1	-	-	-	
Maryland	10	2.4	2	1	-	-	1	-	1	2	1	1	-	1	-	-	
Massachusetts	5	1.2	2	-	1	1	-	-	-	-	-	-	-	-	-	1	
Michigan	3	0.7	-	-	-	1	-	-	1	-	-	-	1	-	-	-	
Minnesota	3	0.7	-	-	-	-	-	2	-	-	-	-	1	-	-	-	
Mississippi	8	1.9	4	-	-	2	-	-	1	1	-	-	-	-	-	-	
Missouri	11	2.6	-	1	-	2	1	-	2	2	-	2	-	-	-	1	
Montana	4	1.0	1	-	-	1	-	-	-	-	1	1	-	-	-	-	
Nebraska	1	0.2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
Nevada	4	1.0	-	-	-	-	-	-	1	2	1	-	-	-	-	-	
New Jersey	7	1.7	2	-	-	-	-	1	-	1	1	1	1	-	-	-	
New Mexico	7	1.7	1	-	1	-	-	1	3	1	-	-	-	-	-	-	
New York	12	2.9	3	-	1	-	1	1	-	1	1	3	-	1	-	-	
North Carolina	12	2.9	-	-	1	1	3	1	1	2	2	1	-	-	-	-	
North Dakota	2	0.5	-	-	1	-	-	-	-	-	1	-	-	-	-	-	
Ohio	16	3.8	-	-	-	1	1	1	-	3	4	5	1	-	-	-	
Oklahoma	4	1.0	1	-	-	-	1	-	-	1	-	-	-	-	-	1	
Oregon	8	1.9	-	-	-	3	-	-	1	1	3	-	-	-	-	-	
Pennsylvania	11	2.6	-	-	-	2	1	4	1	1	1	-	1	-	-	-	
South Carolina	7	1.7	-	-	-	-	1	1	3	2	-	-	-	-	-	-	
Tennessee	8	1.9	2	-	-	2	-	-	-	-	2	1	1	-	-	-	
Texas	40	9.6	2	-	2	6	4	8	5	4	2	2	3	1	1	-	
Utah	2	0.5	-	-	-	-	1	-	-	-	-	1	-	-	-	-	
Vermont	1	0.2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Virginia	3	0.7	-	-	1	-	-	-	1	1	-	-	-	-	-	-	
Washington	13	3.1	-	-	-	2	3	2	1	-	1	1	1	2	-	-	
West Virginia	5	1.2	-	-	1	-	1	2	1	-	-	-	-	-	-	-	
Wisconsin	4	1.0	-	-	-	-	-	-	-	3	1	-	-	-	-	-	
Wyoming	2	0.5	-	-	-	1	-	-	-	-	-	-	-	1	-	-	
Total	417	100	39	6	16	45	36	51	42	55	42	42	20	11	5	7	

TABLE 10-6
TRESPASSERS BY STATE AND AGE GROUP, NOT AT HRC, 2006

States	Deaths				Total		Nonfatal Cases				Total	
	Age Group				Killed		Age Group				Injured	
	Unk	< 16	16-21	> 21	Cnt	%	Unk	< 16	16-21	> 21	Cnt	%
Alabama	2	1	-	3	6	1.3	-	-	2	10	12	2.9
Alaska	-	1	-	-	1	0.2	-	-	-	-	0	0.0
Arizona	3	-	2	16	21	4.5	-	1	1	13	15	3.6
Arkansas	-	-	2	2	4	0.9	-	4	-	3	7	1.7
California	7	2	8	70	87	18.8	5	1	4	55	65	15.6
Colorado	-	1	-	2	3	0.6	1	1	4	7	13	3.1
Connecticut	-	1	-	2	3	0.6	1	-	-	-	1	0.2
Delaware	-	-	-	1	1	0.2	1	-	-	1	2	0.5
Dist Of Columbia	-	-	-	1	1	0.2	-	-	-	-	0	0.0
Florida	3	-	1	29	33	7.1	4	1	1	16	22	5.3
Georgia	2	-	1	12	15	3.2	1	-	1	12	14	3.4
Idaho	-	-	-	1	1	0.2	-	-	-	1	1	0.2
Illinois	2	-	1	16	19	4.1	2	2	1	14	19	4.6
Indiana	-	1	3	10	14	3.0	-	1	2	4	7	1.7
Iowa	-	-	1	1	2	0.4	1	-	-	1	2	0.5
Kansas	-	-	-	2	2	0.4	-	-	1	6	7	1.7
Kentucky	1	-	1	5	7	1.5	-	-	1	5	6	1.4
Louisiana	-	1	2	7	10	2.2	2	-	3	6	11	2.6
Maryland	3	2	-	5	10	2.2	2	1	-	7	10	2.4
Massachusetts	-	-	2	3	5	1.1	2	1	1	1	5	1.2
Michigan	1	-	-	4	5	1.1	-	-	1	2	3	0.7
Minnesota	-	-	-	2	2	0.4	-	-	-	3	3	0.7
Mississippi	1	-	1	6	8	1.7	4	-	2	2	8	1.9
Missouri	-	-	1	3	4	0.9	-	1	2	8	11	2.6
Montana	1	-	1	4	6	1.3	1	-	1	2	4	1.0
Nebraska	-	-	-	5	5	1.1	-	-	-	1	1	0.2
Nevada	-	-	-	4	4	0.9	-	-	-	4	4	1.0
New Jersey	-	-	4	9	13	2.8	2	-	-	5	7	1.7
New Mexico	-	-	2	6	8	1.7	1	1	-	5	7	1.7
New York	1	-	2	11	14	3.0	3	1	1	7	12	2.9
North Carolina	2	1	2	13	18	3.9	-	1	2	9	12	2.9
North Dakota	-	-	-	-	0	0.0	-	1	-	1	2	0.5
Ohio	2	1	3	8	14	3.0	-	-	1	15	16	3.8
Oklahoma	-	-	-	4	4	0.9	1	-	-	3	4	1.0
Oregon	-	1	-	1	2	0.4	-	-	3	5	8	1.9
Pennsylvania	2	-	1	12	15	3.2	-	-	2	9	11	2.6
South Carolina	-	1	2	7	10	2.2	-	-	-	7	7	1.7
South Dakota	-	-	-	1	1	0.2	-	-	-	-	0	0.0
Tennessee	2	-	2	7	11	2.4	2	-	2	4	8	1.9
Texas	3	4	3	34	44	9.5	2	2	8	28	40	9.6
Utah	-	-	-	-	0	0.0	-	-	-	2	2	0.5
Vermont	-	-	-	-	0	0.0	1	-	-	-	1	0.2
Virginia	-	-	-	3	3	0.6	-	1	-	2	3	0.7
Washington	-	-	3	11	14	3.0	-	-	3	10	13	3.1
West Virginia	-	-	1	4	5	1.1	-	1	-	4	5	1.2
Wisconsin	1	2	2	1	6	1.3	-	-	-	4	4	1.0
Wyoming	-	1	-	1	2	0.4	-	-	1	1	2	0.5
Total	39	21	54	349	463	100.0	39	22	51	305	417	100.0

TABLE 10-7
TRESPASSERS CASUALTIES, BY MONTH AND DAY, NOT AT HRC, 2006

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	22	2.5	5	5	2	2	-	4	4	1	1	4	16	
	February	40	4.5	11	3	6	4	6	8	2	2	1	6	31	
	March	35	4.0	3	4	4	4	3	8	9	5	1	3	26	
	April	37	4.2	7	11	5	1	5	2	6	4	3	3	27	
	May	64	7.3	12	9	7	7	7	9	13	4	3	9	48	
	June	35	4.0	6	-	7	4	4	5	9	5	2	3	25	
	July	42	4.8	8	6	8	2	3	5	10	4	1	5	32	
	August	37	4.2	4	6	8	6	1	5	7	3	3	4	27	
	September	58	6.6	8	7	9	2	5	13	14	4	3	5	46	
	October	29	3.3	8	2	2	6	2	3	6	2	-	4	23	
	November	37	4.2	6	7	3	5	5	6	5	3	2	8	24	
	December	27	3.1	6	2	2	4	3	3	7	2	1	-	24	
Total	463	52.6	84	62	63	47	44	71	92	39	21	54	349		
Nonfatal	January	31	3.5	7	4	2	5	2	5	6	1	1	4	25	
	February	26	3.0	3	2	9	3	3	3	3	3	-	2	21	
	March	44	5.0	6	4	10	10	5	6	3	4	4	2	34	
	April	44	5.0	11	4	3	2	6	7	11	3	3	8	30	
	May	32	3.6	5	8	7	1	3	1	7	3	3	2	24	
	June	36	4.1	5	5	5	3	10	2	6	3	2	6	25	
	July	50	5.7	9	6	10	5	3	10	7	7	2	10	31	
	August	30	3.4	6	4	1	5	2	3	9	3	-	3	24	
	September	30	3.4	5	4	4	4	4	6	3	4	1	3	22	
	October	47	5.3	5	5	4	9	4	8	12	3	3	8	33	
	November	18	2.0	2	4	2	2	4	3	1	2	1	1	14	
	December	29	3.3	5	-	4	5	1	7	7	3	2	2	22	
Total	417	47.4	69	50	61	54	47	61	75	39	22	51	305		
Total		880	100	153	112	124	101	91	132	167	78	43	105	654	

TABLE 10-8
TRESPASSERS CASUALTIES, BY TIME AND DAY, NOT AT HRC, 2006

Time	Total	Day Of The Week														
		Sun		Mon		Tue		Wed		Thu		Fri		Sat		
		Cnt	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal
AM	1	48	10	7	3	-	2	4	2	4	3	1	2	3	4	3
	2	29	2	2	3	-	1	2	1	-	2	2	3	5	4	2
	3	44	6	7	2	5	1	2	1	-	1	2	1	2	8	6
	4	27	2	3	3	-	-	2	1	1	1	2	2	2	3	5
	5	23	3	1	-	1	2	2	1	-	1	2	3	2	5	-
	6	24	1	2	2	2	4	2	2	2	-	-	3	1	2	1
	7	30	1	2	-	2	4	2	2	1	3	2	5	3	1	2
	8	23	1	-	1	2	2	-	3	3	3	2	2	1	1	2
	9	25	5	-	4	-	3	3	2	-	2	1	1	2	1	1
	10	20	1	1	-	2	1	-	1	2	-	1	-	3	6	2
	11	33	5	2	3	-	2	4	3	2	3	1	4	-	2	2
	12	45	6	6	2	2	5	1	3	1	1	2	5	2	2	7
	Total	371	43	33	23	16	27	24	22	16	20	18	31	26	39	33
PM	1	30	4	3	2	3	1	1	2	4	1	-	1	1	4	3
	2	27	-	2	2	2	2	4	1	1	3	-	3	-	4	3
	3	43	1	4	1	4	3	2	4	3	3	2	5	2	5	4
	4	47	4	1	5	4	1	4	3	3	3	5	3	6	2	3
	5	47	5	6	3	5	3	4	2	4	2	3	1	4	1	4
	6	46	3	2	3	2	7	4	3	4	4	3	2	2	5	2
	7	55	6	8	2	3	5	5	3	2	1	3	6	1	4	6
	8	39	2	4	4	6	2	1	4	4	2	1	2	1	3	3
	9	47	3	1	4	1	4	3	-	3	2	5	5	2	5	9
	10	35	3	2	3	2	1	3	-	2	1	-	3	5	7	3
	11	50	8	1	3	2	7	3	1	2	1	3	7	2	9	1
	12	43	2	2	7	-	-	3	2	6	1	4	2	9	4	1
	Total	509	41	36	39	34	36	37	25	38	24	29	40	35	53	42
Total	880	84	69	62	50	63	61	47	54	44	47	71	61	92	75	

TABLE 10-9
TRESPASSERS CASUALTIES, BY LOCATION, NOT AT HRC, 2006

Location	Total		Fatal		Nonfatal		Age of Person			
	Cnt	%	Cnt	%	Cnt	%	Unk	< 16	16-21	> 21
Alongside of on-track equipmen	72	8.2	27	5.8	45	10.8	4	5	9	54
Beside track	151	17.2	61	13.2	90	21.6	15	5	19	112
Between tracks	167	19.0	118	25.5	49	11.8	8	6	24	129
Between cars/locomotives	32	3.6	7	1.5	25	6.0	-	6	6	20
In cab or on walkways of locom	3	0.3	-	0.0	3	0.7	-	-	-	3
In car	12	1.4	4	0.9	8	1.9	-	-	-	12
In/operating vehicle	25	2.8	7	1.5	18	4.3	4	2	2	17
In tunnel	1	0.1	-	0.0	1	0.2	-	-	-	1
On bridge/trestle	38	4.3	16	3.5	22	5.3	4	2	6	26
On highway-rail crossing	6	0.7	3	0.6	3	0.7	2	-	-	4
On other rail crossing	2	0.2	-	0.0	2	0.5	-	-	-	2
On side of car	19	2.2	2	0.4	17	4.1	-	2	7	10
On track	319	36.3	207	44.7	112	26.9	34	14	30	241
On end of car	9	1.0	3	0.6	6	1.4	-	-	1	8
On platform	6	0.7	2	0.4	4	1.0	3	-	-	3
On ladder	2	0.2	-	0.0	2	0.5	2	-	-	-
Under car	6	0.7	1	0.2	5	1.2	1	1	1	3
Under locomotive	2	0.2	1	0.2	1	0.2	-	-	-	2
Locomotive, on top of	1	0.1	1	0.2	-	0.0	1	-	-	-
Car, on top of (rail car)	4	0.5	2	0.4	2	0.5	-	-	-	4
Other location	3	0.3	1	0.2	2	0.5	-	-	-	3
Total	880	100	463	100	417	100	78	43	105	654

TABLE 10-10
TRESPASSERS CASUALTIES, BY EVENT, NOT AT HRC, 2006

Location	Total		Fatal		Nonfatal		Age of Person				
	Cnt	%	Cnt	%	Cnt	%	Unk	< 16	16-21	> 21	
Aggravated pre-existing condition	1	0.1	1	0.2	-	0.0	-	-	-	1	
Assaulted by other	5	0.6	-	0.0	5	1.2	-	-	-	5	
Caught in/ crushed by materials	2	0.2	1	0.2	1	0.2	-	-	-	2	
Climatic condition, exposure to environmental he	1	0.1	-	0.0	1	0.2	-	-	-	1	
Climatic condition, exposure to environmental co	1	0.1	1	0.2	-	0.0	-	-	-	1	
Collision - between on-track equipment	2	0.2	1	0.2	1	0.2	-	-	2	-	
Collision/impact - auto, truck, bus, van, etc.	10	1.1	2	0.4	8	1.9	3	-	1	6	
Electrical shock due to contact with 3rd rail, c	1	0.1	1	0.2	-	0.0	-	-	-	1	
Electrical shock, other (explain in narrative)	5	0.6	1	0.2	4	1.0	-	-	2	3	
Exposure to chemicals - external	2	0.2	2	0.4	-	0.0	-	-	-	2	
Lost balance	27	3.1	6	1.3	21	5.0	-	1	1	25	
Missed handhold, grabiron, step, etc.	2	0.2	-	0.0	2	0.5	-	-	1	1	
Other impacts - on-track equipment	5	0.6	2	0.4	3	0.7	1	1	1	2	
Overexertion	1	0.1	-	0.0	1	0.2	-	-	-	1	
Ran into on-track equipment	6	0.7	2	0.4	4	1.0	1	-	-	5	
Ran into object/equipment	1	0.1	-	0.0	1	0.2	-	-	-	1	
Slipped,fell,stumbled,etc. due to object,ballast	4	0.5	1	0.2	3	0.7	-	-	1	3	
Stabbing, knifing, etc.	1	0.1	1	0.2	-	0.0	-	-	-	1	
Struck by thrown or propelled object	2	0.2	-	0.0	2	0.5	-	-	-	2	
Struck by object	11	1.3	8	1.7	3	0.7	-	-	3	8	
Struck by on-track equipment	661	75.1	398	86.0	263	63.1	56	18	77	510	
Struck against object	12	1.4	-	0.0	12	2.9	2	2	5	3	
Sudden/unexpected movement of on-track equipmen	6	0.7	1	0.2	5	1.2	-	1	1	4	
Sudden/unexpected movement of vehicle	4	0.5	3	0.6	1	0.2	-	2	1	1	
Thrill seeking	5	0.6	1	0.2	4	1.0	-	3	-	2	
Caught, crushed, pinched, other	7	0.8	1	0.2	6	1.4	1	1	1	4	
On-track equipment, other incidents	2	0.2	1	0.2	1	0.2	-	-	-	2	
Slipped, fell, stumbled, other	61	6.9	13	2.8	48	11.5	4	8	6	43	
Sudden, unexpected movement, other	5	0.6	1	0.2	4	1.0	1	1	-	3	
Bumped	1	0.1	-	0.0	1	0.2	-	1	-	-	
Burned	2	0.2	-	0.0	2	0.5	1	-	1	-	
Caught Between Equipment	1	0.1	-	0.0	1	0.2	-	1	-	-	
Other (describe in narrative)	23	2.6	14	3.0	9	2.2	8	3	1	11	
Total	880	100	463	100	417	100	78	43	105	654	

APPENDIX A

ABBREVIATIONS

%	Percent of total
AADT	Average annual daily traffic
Acc	Accident, events reported on form 6180-54 (Chapter 6)
Avg	Average
Chg	Change
Cls	Class
Cnt	Count
Coll	Collision between on-track equipment
Comm	Commuter
De	Derailment
EOD	Railroad employee on duty
Eqp	Equipment
Exp	Exposure
Ftl	Fatality
HRC	Highway-rail crossing
HWTS	Highway traffic signals
Hmn	Human factor
Incs	Incidents
Len	Length
Loco	Locomotive
Mtr	V Motor vehicle
Nonf	Nonfatal cases (injuries and occupational illnesses)
Othr	Other
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

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 (3) 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, be 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 Website at <http://safetydata.fra.dot.gov/officeofsafety/>. The table below lists the new and prior year constants.

ACCIDENT PREDICTION AND RESOURCE ALLOCATION PROCEDURE NORMALIZING CONSTANTS

WARNING DEVICE GROUPS	NEW	PRIOR YEAR CONSTANTS						
	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, 2006

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]	5	-	-	-	-	-	5	-	-	-	-	-
Aberdeen, Carolina & Western RR [ACWR]	1	-	1	-	-	-	1	-	1	-	-	-
Abilene & Smokey Valley RR [AVSX]	-	-	-	-	-	-	-	-	-	-	-	-
Acadiana Rwy Co. [AKDN]	-	-	-	-	-	-	-	-	-	-	-	-
Adirondack Scenic RR [ADCX]	-	-	-	-	-	-	-	-	-	-	-	-
Adrian & Blissfield RR [ADBF]	-	-	-	-	-	-	-	-	-	-	-	-
Akron Barberton Cluster Rwy Co. [AB]	-	-	-	-	-	-	-	-	-	-	-	-
Alabama & Florida Rwy Co. [AF]	-	-	-	-	-	-	-	-	-	-	-	-
Alabama & Gulf Coast Rwy LLC [AGR]	6	-	2	2	-	-	3	-	1	1	-	1
Alabama & Tennessee River Rwy LLC [ATN] [ATN]	13	-	6	1	-	-	7	-	1	5	-	5
Alabama RR Co., Inc. [ALAB]	2	-	2	-	-	-	-	-	-	2	-	2
Alabama Southern RR [ABS]	11	-	2	7	-	-	4	-	2	-	-	-
Alameda Belt Line [ABL]	-	-	-	-	-	-	-	-	-	-	-	-
Alamo Gulf Coast RR Co. [AGCR]	5	-	1	5	-	1	-	-	-	-	-	-
Albany & Eastern RR Co. [AERC]	-	-	-	-	-	-	-	-	-	-	-	-
Albany Port RR [APRR]	1	-	1	-	-	-	-	-	-	1	-	1
Alexander RR Co. [ARC]	2	-	-	-	-	-	2	-	-	-	-	-
Algers, Winslow & Western Rwy Co. [AWW]	-	-	-	-	-	-	-	-	-	-	-	-
Aliquippa & Ohio River RR Co. [AOR]	-	-	-	-	-	-	-	-	-	-	-	-
Allegheny Valley RR Co. [AVR]	9	-	2	7	-	-	-	-	-	2	-	2
Alliance Term. RR LLC [ATR]	-	-	-	-	-	-	-	-	-	-	-	-
Altamont Commuter Express Authority [ACEX]	1	1	-	-	-	-	1	1	-	-	-	-
Angelina & Neches River RR Co. [ANR]	-	-	-	-	-	-	-	-	-	-	-	-
Ann Arbor RR [AA]	1	-	1	-	-	-	-	-	-	1	-	1
Apache Rwy Co. [APA]	1	-	-	1	-	-	-	-	-	-	-	-
Appalachian & Ohio RR [AO]	9	-	4	6	-	-	1	-	2	2	-	2
Appanoose County Community RR Co. [APNC]	1	-	-	-	-	-	1	-	-	-	-	-
Arcade & Attica RR Corp. [ARA]	-	-	-	-	-	-	-	-	-	-	-	-
Arizona & California RR Co. [ARZC]	6	-	3	2	-	-	1	-	-	3	-	3
Arizona Central RR, Inc. [AZCR]	-	-	-	-	-	-	-	-	-	-	-	-
Arizona Eastern RR [AZER]	5	-	-	5	-	-	-	-	-	-	-	-
Arkansas & Missouri RR Co. [AM]	20	-	11	-	-	-	9	-	-	11	-	11
Arkansas Louisiana & Mississippi RR Co. [ALM]	3	-	1	1	-	-	1	-	-	1	-	1
Arkansas Midland RR Co., Inc. [AKMD]	22	-	9	7	-	-	6	-	-	9	-	9
Arkansas Southern RR [ARS]	2	-	1	-	-	-	2	-	1	-	-	-
Arkansas-Oklahoma RR Inc. [AOK]	-	-	-	-	-	-	-	-	-	-	-	-
Ashland Rwy Inc. [ASRY]	6	-	6	-	-	-	-	-	-	6	-	6
Ashtubula, Carson & Jefferson RR [ACJR]	-	-	-	-	-	-	-	-	-	-	-	-
Athens Line LLC, The [ABR]	-	-	-	-	-	-	-	-	-	-	-	-
Atlantic & Western Rwy, L.P. [ATW]	-	-	-	-	-	-	-	-	-	-	-	-
Austin & Texas Central RR [ATCX]	-	-	-	-	-	-	-	-	-	-	-	-
Austin Area Term. RR [AUAR]	4	-	3	-	-	-	1	-	-	3	-	3
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	-	-	-	-	-	-	1	-	1
Bay Colony RR [BCLR]	1	-	1	-	-	-	-	-	-	1	-	1
Bay Line RR, L.L.C., The [BAYL]	2	-	-	-	-	-	2	-	-	-	-	-

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2006

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Beech Mountain RR Co. [BEEM]	-	-	-	-	-	-	-	-	-	-	-	-
Belfast & Moosehead Lake RR Co. [BML]	3	-	3	-	-	-	-	-	-	3	-	3
Bellefonte Historical RR Society [BHRX]	-	-	-	-	-	-	-	-	-	-	-	-
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]	6	-	-	3	-	-	3	-	-	-	-	-
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]	-	-	-	-	-	-	-	-	-	-	-	-
Boone Scenic Valley [BSVY]	2	-	2	-	-	-	-	-	-	2	-	2
Border Pacific RR [BOP]	-	-	-	-	-	-	-	-	-	-	-	-
Brandon Corp. [BRAN]	-	-	-	-	-	-	-	-	-	-	-	-
Brandywine Scenic RR Co. [BSRX]	-	-	-	-	-	-	-	-	-	-	-	-
Brandywine Valley RR Co. [BVRY]	-	-	-	-	-	-	-	-	-	-	-	-
Brownsville & Rio Grande International RR [BRG]	7	-	7	-	-	-	-	-	-	7	-	7
Buckeye Central Scenic RR [BCRR]	-	-	-	-	-	-	-	-	-	-	-	-
Buckingham Branch RR Co. [BB]	3	-	2	1	-	-	-	-	-	2	-	2
Buffalo Southern RR, Inc. [BSOR]	-	-	-	-	-	-	-	-	-	-	-	-
Burlington Junction Rwy [BJRY]	-	-	-	-	-	-	-	-	-	-	-	-
C & NC RR Corp. [CNUR]	-	-	-	-	-	-	-	-	-	-	-	-
CHICAGO, FT. WAYNE & EASTERN [CFE]	4	1	3	1	-	-	1	-	-	2	1	3
CMC RR Inc. [CMC]	4	-	-	4	-	-	-	-	-	-	-	-
Caddo Valley RR Co. [CVYR]	3	-	2	1	-	-	-	-	-	2	-	2
Caldwell County RR Co. [CWCY]	1	-	1	-	-	-	-	-	-	1	-	1
California Northern RR Co. [CFNR]	1	-	-	-	-	-	1	-	-	-	-	-
California State RR Museum [CSRM]	-	-	-	-	-	-	-	-	-	-	-	-
Camp Chase Industrial RR Corp [CCRA]	1	-	-	1	-	-	-	-	-	-	-	-
Caney Fork & Western RR [CFWR]	1	-	-	1	-	-	-	-	-	-	-	-
Canon City And Royal Gorge RR, LLC [CRRX]	8	-	8	-	-	-	-	-	-	8	-	8
Canton RR Co. [CTN]	2	-	3	-	-	-	-	-	-	2	-	3
Cape Cod Central [CCCX]	-	-	-	-	-	-	-	-	-	-	-	-
Cargill Inc. GOSCNA [CGIV]	-	-	-	-	-	-	-	-	-	-	-	-
Carolina Coastal Rwy, Inc. [CLNA]	-	-	-	-	-	-	-	-	-	-	-	-
Carolina Southern RR Co., The [CALA]	3	-	3	2	-	-	-	-	-	1	-	3
Carrizo Gorge Rwy Inc. [CZRY]	2	-	1	1	-	-	-	-	-	1	-	1
Carthage, Knightstown & Shirley RR [CKSI]	1	-	-	-	-	-	1	-	-	-	-	-
Cascade & Columbia River RR [CSCD]	-	-	-	-	-	-	-	-	-	-	-	-
Cass Scenic [CASS]	5	-	5	-	-	-	-	-	-	5	-	5
Catskill Mountain RR [CMRR]	-	-	-	-	-	-	-	-	-	-	-	-
Cedar Rapids & Iowa City Rwy Co. [CIC]	8	-	3	1	-	-	5	-	1	2	-	2
Central California Traction Co. [CCT]	3	-	1	1	-	-	1	-	-	1	-	1
Central Illinois RR Co. [CIRY]	-	-	-	-	-	-	-	-	-	-	-	-
Central Indiana & Western RR Co. [CEIW]	-	-	-	-	-	-	-	-	-	-	-	-
Central Midland Rwy Co. [CMR]	3	-	-	1	-	-	2	-	-	-	-	-
Central Montana RR [CM]	-	-	-	-	-	-	-	-	-	-	-	-
Central Oregon & Pacific RR, Inc. [CORP]	16	-	5	9	-	-	3	-	1	4	-	4
Central RR Co. Of Indiana [CIND]	1	-	1	-	-	-	-	-	-	1	-	1

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2006

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 Indianapolis [CERA]	1	-	-	1	-	-	-	-	-	-	-	-
Central Washington RR Co. [CWA]	5	-	4	-	-	-	2	-	1	3	-	3
Charlotte Southern RR Co. [CHS]	-	-	-	-	-	-	-	-	-	-	-	-
Chattahoochee Bay RR [CHAT]	1	-	-	1	-	-	-	-	-	-	-	-
Chattahoochee Industrial RR [CIRR]	1	-	1	-	-	-	-	-	-	1	-	1
Chattooga & Chickamauga RR [CCKY]	1	-	1	-	-	-	-	-	-	1	-	1
Chehalis & Centralia RR Association [CHCX]	-	-	-	-	-	-	-	-	-	-	-	-
Chesapeake & Albemarle RR Co. [CA]	-	-	-	-	-	-	-	-	-	-	-	-
Chesapeake & Indiana RR [CKIN]	-	-	-	-	-	-	-	-	-	-	-	-
Chestnut Ridge Rwy Co. [CHR]	-	-	-	-	-	-	-	-	-	-	-	-
Chicago Rail Link [CRL]	9	-	2	7	-	-	-	-	-	2	-	2
Chicago Southshore & South Bend RR [CSS]	7	-	6	1	-	-	-	-	-	6	-	6
Chicago-Chemung RR Corp. [CCUO]	-	-	-	-	-	-	-	-	-	-	-	-
Cimarron Valley RR L C [CVR]	4	-	-	4	-	-	-	-	-	-	-	-
Cincinnati Rwy Co., The [CNRX]	-	-	-	-	-	-	-	-	-	-	-	-
City Of Prineville Rwy [COP]	1	-	1	-	-	-	-	-	-	1	-	1
Claremont Concord RR Corp. [CCRR]	-	-	-	-	-	-	-	-	-	-	-	-
Clarendon & Pittsford RR Co. [CLP]	1	-	-	1	-	-	-	-	-	-	-	-
Cleveland Commercial RR Co., LLC [CCRL]	2	-	-	2	-	-	-	-	-	-	-	-
Cleveland Works Rwy Co. [CWRO]	14	-	10	2	-	-	3	-	1	9	-	9
Clinton Term. RR Co. [CTR]	-	-	-	-	-	-	-	-	-	-	-	-
Cloquet Term. RR Co., Inc. [CTRR]	-	-	-	-	-	-	-	-	-	-	-	-
Colorado & Wyoming Rwy Co. [CW]	3	-	3	-	-	-	-	-	-	3	-	3
Columbia & Cowlitz Rwy Co. [CLC]	3	-	-	2	-	-	1	-	-	-	-	-
Columbia Basin RR Co. Inc. [CBRW]	6	-	4	-	-	-	2	-	-	4	-	4
Columbia Business Center [CBCX]	-	-	-	-	-	-	-	-	-	-	-	-
Columbia Term. RR Co. [CT]	2	-	1	-	-	-	1	-	-	1	-	1
Columbus & Greenville Rwy Co. [CAGY]	1	-	1	-	-	-	1	-	1	-	-	-
Columbus & Ohio River RR [CUOH]	2	-	1	1	-	-	-	-	-	1	-	1
Commonwealth Rwy, Inc. [CWRY]	-	-	-	-	-	-	-	-	-	-	-	-
Conecuh Valley RR [COEH]	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut Department Of Transportation [CDOT]	3	-	3	-	-	-	-	-	-	3	-	3
Connecticut Southern RR Inc. [CSO]	1	-	1	-	-	-	1	-	1	-	-	-
Consolidated Grain & Barge Co. [CGBX]	-	-	-	-	-	-	-	-	-	-	-	-
Conway Scenic RR [CONW]	5	-	4	-	-	-	1	-	-	4	-	4
Coopersville & Marne RR [CMRX]	-	-	-	-	-	-	-	-	-	-	-	-
Copper Basin Rwy, Inc. [CBRY]	-	-	-	-	-	-	-	-	-	-	-	-
Corpus Christi Term. RR Inc. [CCPN]	5	-	2	1	-	-	2	-	-	2	-	2
Council Bluffs Rwy Co. [CBGR]	-	-	-	-	-	-	-	-	-	-	-	-
Crab Orchard & Egyptian RR [COER]	-	-	-	-	-	-	-	-	-	-	-	-
Cumbres & Toltec Scenic RR [CTSR]	6	-	6	-	-	-	-	-	-	6	-	6
Cuyahoga Valley Scenic Rwy [CVSX]	1	-	1	-	-	-	-	-	-	1	-	1
D & I RR Co. [DAIR]	4	-	2	2	-	-	2	-	2	-	-	-
Dakota Northern RR, Inc. [DN]	-	-	-	-	-	-	-	-	-	-	-	-
Dakota Southern Rwy Co. [DSRC]	-	-	-	-	-	-	-	-	-	-	-	-
Dakota, Missouri Valley & Western RR, Inc. [DMVW]	7	-	6	1	-	-	-	-	-	6	-	6
Dallas, Garland & Northeastern RR [DGNO]	14	-	3	8	-	-	4	-	1	2	-	2
Dardanelle & Russellville RR [DR]	-	-	-	-	-	-	-	-	-	-	-	-
DeQueen & Eastern RR Co. [DQE]	6	-	5	-	-	-	1	-	-	5	-	5
Decatur Junction Rwy Co. [DT]	-	-	-	-	-	-	-	-	-	-	-	-
Delaware & Ulster Rail Ride [DURR]	-	-	-	-	-	-	-	-	-	-	-	-
Delaware Coast Line RR [DCLR]	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2006

Railroads whose employees worked < 400,000 hours

	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Delaware Lackawanna RR [DL]	5	-	3	1	-	-	1	-	-	3	-	3
Delray Connecting RR Co. [DC]	3	-	2	1	-	-	-	-	-	2	-	2
Delta Southern RR Co. [DSRR]	-	-	-	-	-	-	-	-	-	-	-	-
Delta Valley & Southern Rwy Co. [DVS]	-	-	-	-	-	-	-	-	-	-	-	-
Denver Rock Island RR [DRIR]	2	-	-	-	-	-	2	-	-	-	-	-
Dependable Rail Services [DPRX]	-	-	-	-	-	-	-	-	-	-	-	-
Depew, Lancaster & Western RR Co., Inc. [DLWR]	-	-	-	-	-	-	-	-	-	-	-	-
Detroit Connecting RR [DCON]	-	-	-	-	-	-	-	-	-	-	-	-
Detroit Edison [DE]	6	-	6	-	-	-	-	-	-	6	-	6
Dubois County RR [DCRR]	-	-	-	-	-	-	-	-	-	-	-	-
Durango & Silverton Narrow Gauge RR Co. [DSNG]	23	-	22	-	-	-	2	-	1	21	-	21
East Brookfield & Spencer RR LLC [EBSR]	-	-	-	-	-	-	-	-	-	-	-	-
East Camden & Highland RR Co. [EACH]	1	-	1	-	-	-	-	-	-	1	-	1
East Chattanooga Belt Rwy Co. [ECTB]	-	-	-	-	-	-	-	-	-	-	-	-
East Cooper & Berkeley RR [ECBR]	-	-	-	-	-	-	-	-	-	-	-	-
East Erie Commercial RR [EEC]	2	-	2	-	-	-	-	-	-	2	-	2
East Jersey RR & Term. Co. [EJR]	-	-	-	-	-	-	-	-	-	-	-	-
East Penn Rwy, Inc. [EPRY]	-	-	-	-	-	-	-	-	-	-	-	-
East Tennessee Rwy, L.P. [ETRY]	1	-	-	-	-	-	1	-	-	-	-	-
Eastern Alabama Rwy Co. [EARY]	2	-	1	1	-	-	-	-	-	1	-	1
Eastern Idaho RR [EIRR]	9	-	3	1	-	-	6	-	1	2	-	2
Eastern Illinois RR Co. [EIRC]	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Maine RR Co. [EMRY]	1	-	1	-	-	-	-	-	-	1	-	1
Eastern Shore RR Inc. [ESHR]	2	-	2	-	-	-	-	-	-	2	-	2
Econo Rail Corp. [TXTX]	13	-	5	7	-	-	1	-	-	5	-	5
Effingham RR Co. [EFRR]	-	-	-	-	-	-	-	-	-	-	-	-
El Dorado & Wesson Rwy Co. [EDW]	1	-	1	-	-	-	-	-	-	1	-	1
Elk River RR, Inc. [ELKR]	-	-	-	-	-	-	-	-	-	-	-	-
Ellis and Eastern Co. [EERZ]	4	-	4	-	-	-	1	-	1	3	-	3
Erie Western Rwy [EWR]	-	-	-	-	-	-	-	-	-	-	-	-
Escalante Western Rwy [ESWR]	-	-	-	-	-	-	-	-	-	-	-	-
Escanaba & Lake Superior RR Co. [ELS]	10	-	10	-	-	-	-	-	-	10	-	10
Evansville Western Rwy, Inc. [EVWR]	6	-	2	1	-	-	3	-	-	2	-	2
Everett RR Co. [EV]	2	-	2	-	-	-	-	-	-	2	-	2
Exel Switching Service [ESSV]	-	-	-	-	-	-	-	-	-	-	-	-
Falls Creek RR [FCR]	4	-	3	1	-	-	-	-	-	3	-	3
Falls Road RR Co. Inc. [FRR]	-	-	-	-	-	-	-	-	-	-	-	-
Farmrail Corp. [FMRC]	-	-	-	-	-	-	-	-	-	-	-	-
Fayette Central RR [FCRV]	-	-	-	-	-	-	-	-	-	-	-	-
Fillmore And Western [FMWX]	-	-	-	-	-	-	-	-	-	-	-	-
Finger Lakes Rwy Corp. [FGLK]	3	1	1	1	-	-	-	-	-	2	1	1
First Coast RR Inc. [FCRD]	4	-	-	1	-	-	3	-	-	-	-	-
Flats Industrial RR [FIR]	-	-	-	-	-	-	-	-	-	-	-	-
Florida Central RR Co. [FCEN]	5	-	5	-	-	-	-	-	-	5	-	5
Florida Midland RR Co., Inc. [FMID]	1	-	1	-	-	-	1	-	1	-	-	-
Florida Northern RR Co., Inc. [FNOR]	3	-	1	-	-	-	2	-	-	1	-	1
Flying J / Big West Oil [FLYJ]	-	-	-	-	-	-	-	-	-	-	-	-
Fordey & Princeton RR Co. [FP]	1	-	-	-	-	-	1	-	-	-	-	-
Fore River Transportation Corp. [FRVT]	-	-	-	-	-	-	-	-	-	-	-	-
Fort Smith RR Co. [FSR]	3	-	1	-	-	-	2	-	-	1	-	1
Fort Worth & Western RR [FWWR]	11	-	2	6	-	-	3	-	-	2	-	2
Fremont & Elkhorn Valley RR [FEVR]	1	-	1	-	-	-	-	-	-	1	-	1

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2006

Railroads whose employees worked < 400,000 hours

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

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2006

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Indiana & Ohio Rwy [IORY]	12	3	5	-	-	-	8	3	1	4	-	4
Indiana Eastern RR LLC [IERR]	-	-	-	-	-	-	-	-	-	-	-	-
Indiana Northeastern RR Co., Incorporated [IN]	2	-	2	-	-	-	-	-	-	2	-	2
Indiana Rail Road Co. [INRD]	20	1	14	3	-	-	7	-	4	10	1	10
Indiana Rwy Museum [IRM]	-	-	-	-	-	-	-	-	-	-	-	-
Indiana Southern RR Co., Inc. [ISRR]	1	-	-	1	-	-	-	-	-	-	-	-
Indiana Southwestern Rwy Co. [ISW]	-	-	-	-	-	-	-	-	-	-	-	-
Indiana Transportation Museum [ITMZ]	1	-	-	-	-	-	1	-	-	-	-	-
Inland Lakes Rwy [ILRV]	1	-	-	-	-	-	1	-	-	-	-	-
Inter-RailLink [IRLX]	-	-	-	-	-	-	-	-	-	-	-	-
Intermodal Transfer, LLC [RSIX]	-	-	-	-	-	-	-	-	-	-	-	-
Iowa Interstate RR [IAIS]	38	-	14	15	-	-	10	-	1	13	-	13
Iowa Northern Rwy Co. [IANR]	9	-	4	3	-	-	3	-	1	3	-	3
Iowa River RR Inc [IARR]	-	-	-	-	-	-	-	-	-	-	-	-
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]	1	-	-	1	-	-	-	-	-	-	-	-
Juniata Valley RR Co. [JVRR]	-	-	-	-	-	-	-	-	-	-	-	-
K.W.T. Rwy, Inc. [KWT]	2	-	-	-	-	-	2	-	-	-	-	-
Kankakee, Beaverville & Southern RR Co. [KBSR]	2	-	-	1	-	-	1	-	-	-	-	-
Kansas City Term. Rwy Co. [KCT]	1	-	-	1	-	-	-	-	-	-	-	-
Kansas City Transportation Co LLC [KCTL]	-	-	-	-	-	-	-	-	-	-	-	-
Kansas and Oklahoma RR [KO]	9	-	4	4	-	-	4	-	3	1	-	1
Kaw River RR [KAW]	-	-	-	-	-	-	-	-	-	-	-	-
Kendallville Term. Rwy Co. [KTR]	-	-	-	-	-	-	-	-	-	-	-	-
Kentucky & Tennessee Rwy [KT]	-	-	-	-	-	-	-	-	-	-	-	-
Kentucky Rwy Museum [KRM]	-	-	-	-	-	-	-	-	-	-	-	-
Keokuk Junction Rwy [KJRY]	7	-	3	3	-	-	1	-	-	3	-	3
Kettle Falls International Rwy LLC [KFR]	2	-	2	-	-	-	-	-	-	2	-	2
Kiamichi RR Co. LLC [KRR]	15	-	2	8	-	-	5	-	-	2	-	2
Kiski Junction RR [KJR]	1	-	1	-	-	-	-	-	-	1	-	1
Klamath Northern Rwy Co. [KNOR]	-	-	-	-	-	-	-	-	-	-	-	-
Knox & Kane RR Co. [KKRR]	-	-	-	-	-	-	-	-	-	-	-	-
Knoxville & Holston River RR Co., Inc. [KXHR]	-	-	-	-	-	-	-	-	-	-	-	-
Kyle RR Co. [KYLE]	5	-	2	3	-	-	1	-	1	1	-	1
La County Trans Comm [LACZ]	-	-	-	-	-	-	-	-	-	-	-	-
Lahaina Kaanapoli And Pacific [LKP]	3	-	2	-	-	-	1	-	-	2	-	2
Lake Charlse Harbor District [LCHD]	-	-	-	-	-	-	-	-	-	-	-	-
Lake County RR [LCR]	1	-	-	1	-	-	-	-	-	-	-	-
Lake Michigan & Indiana RR Co. [LMIC]	-	-	-	-	-	-	-	-	-	-	-	-
Lake Shore Rwy [LSRX]	-	-	-	-	-	-	-	-	-	-	-	-
Lake State Rwy Co. [LSRC]	16	-	9	7	-	-	1	-	1	8	-	8
Lake Superior & Ishpeming RR Co. [LSI]	6	1	4	1	-	-	-	-	-	5	1	4
Lake Superior & Mississippi RR [LSMR]	-	-	-	-	-	-	-	-	-	-	-	-
Lake Superior RR Museum [LSMT]	-	-	-	-	-	-	-	-	-	-	-	-
Lake Term. RR Co. [LT]	-	-	-	-	-	-	-	-	-	-	-	-
Lake Whatcom Rwy [LWAT]	-	-	-	-	-	-	-	-	-	-	-	-
Lancaster & Chester Rwy Co. [LC]	3	-	2	1	-	-	-	-	-	2	-	2
Landisville Term. & Transfer Co. [LNVTT]	-	-	-	-	-	-	-	-	-	-	-	-
Laona & Northern Rwy [LNO]	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2006

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Lapree Industrial RR [LIRR]	-	-	-	-	-	-	-	-	-	-	-	-
Laurinburg & Southern RR Co. [LRS]	1	-	1	-	-	-	-	-	-	1	-	1
Leadville, Colorado & Southern RR, Co. [LCSR]	-	-	-	-	-	-	-	-	-	-	-	-
Lehigh Valley Rail Management [LVRX]	2	-	-	1	-	-	1	-	-	-	-	-
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]	-	-	-	-	-	-	-	-	-	-	-	-
Livonia, Avon & Lakeville RR Corp. [LAL]	1	-	1	-	-	-	-	-	-	1	-	1
Lodestar Logistics [LDLV]	1	-	-	1	-	-	-	-	-	-	-	-
Logansport & Eel River Short Line Co., Inc. [LER]	-	-	-	-	-	-	-	-	-	-	-	-
Lone Star Industries [LSIZ]	-	-	-	-	-	-	-	-	-	-	-	-
Longview Switching [LS]	2	-	1	1	-	-	-	-	-	1	-	1
Los Angeles Junction Rwy Co. [LAJ]	7	-	7	-	-	-	-	-	-	7	-	7
Louisiana & Delta RR [LDRR]	6	-	2	-	-	-	4	-	-	2	-	2
Louisiana & North West RR Co. [LNW]	3	-	2	1	-	-	-	-	-	2	-	2
Louisiana Southern [LAS]	9	-	1	6	-	-	2	-	-	1	-	1
Louisville & Indiana RR Co. [LIRC]	8	1	2	2	-	-	4	1	-	2	-	2
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]	2	-	2	-	-	-	-	-	-	2	-	2
M & B RR LLC [MNBR]	21	-	3	16	-	-	2	-	-	3	-	3
Madison RR Division [CMPA]	-	-	-	-	-	-	-	-	-	-	-	-
Magma Arizona RR Co. [MAA]	-	-	-	-	-	-	-	-	-	-	-	-
Mahoning Valley RR Co. [MVRY]	-	-	-	-	-	-	-	-	-	-	-	-
Maine Eastern RR [MERR]	7	2	4	-	-	-	3	-	1	4	2	3
Manufacturers' Junction Rwy Co. [MJ]	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturers' Rwy Co. [MRS]	4	-	3	1	-	-	-	-	-	3	-	3
Marquette Rail LLC [MQT]	3	-	1	2	-	-	-	-	-	1	-	1
Maryland & Delaware RR Co. [MDDE]	-	-	-	-	-	-	-	-	-	-	-	-
Maryland Midland Rwy, Inc. [MMID]	2	-	1	-	-	-	1	-	-	1	-	1
Massachusetts Central RR Corp. [MCER]	-	-	-	-	-	-	-	-	-	-	-	-
Massena Term. Co. [MSTR]	1	-	1	-	-	-	-	-	-	1	-	1
Maumee & Western RR Corp. [MAW]	-	-	-	-	-	-	-	-	-	-	-	-
Mccloud Rwy Co. [MCR]	-	-	-	-	-	-	-	-	-	-	-	-
Mckeesport Connecting RR Co. [MKC]	-	-	-	-	-	-	-	-	-	-	-	-
Meeker Southern RR [MSN]	-	-	-	-	-	-	-	-	-	-	-	-
Meridian Southern Rwy LLC [MDS]	-	-	-	-	-	-	-	-	-	-	-	-
Michigan Air-Line Rwy Co. [MAL]	-	-	-	-	-	-	-	-	-	-	-	-
Michigan Shore RR [MS]	4	-	1	1	-	-	3	-	1	-	-	-
Michigan Southern RR Co., Inc. [MSO]	1	-	-	-	-	-	1	-	-	-	-	-
Michigan State Trust For Rwy Preservation [MSTP]	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Continent Rwy [MCRY]	1	-	1	-	-	-	-	-	-	1	-	1
Mid-Michigan RR Co. [MMRR]	-	-	-	-	-	-	-	-	-	-	-	-
Middletown & Hummelstown RR Co. [MIDH]	-	-	-	-	-	-	-	-	-	-	-	-
Middletown & New Jersey Rwy Co., Inc. [MNJ]	-	-	-	-	-	-	-	-	-	-	-	-
Midlands Rwy [MDRY]	-	-	-	-	-	-	-	-	-	-	-	-
Milford-Bennington RR Co. [MBRX]	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2006

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Minnesota Commercial Rwy [MNRR]	15	-	14	1	-	-	-	-	-	14	-	14
Minnesota Northern RR Inc. [MNN]	1	-	-	1	-	-	-	-	-	-	-	-
Minnesota Prairie Line, Inc. [MPLI]	-	-	-	-	-	-	-	-	-	-	-	-
Minnesota Southern Rwy, Inc. [MSWY]	-	-	-	-	-	-	-	-	-	-	-	-
Minnesota Transportation Museum [MNTM]	-	-	-	-	-	-	-	-	-	-	-	-
Minnesota Zephyr, Limited [MZL]	-	-	-	-	-	-	-	-	-	-	-	-
Minnesota, Dakota & Western Rwy Co. [MDW]	7	-	6	1	-	-	1	-	1	5	-	5
Mission Mountain RR [MMT] [MMT]	2	-	1	1	-	-	-	-	-	1	-	1
Mississippi & Skuna Valley RR Co. [MSV]	-	-	-	-	-	-	-	-	-	-	-	-
Mississippi Central RR Co. [MSCI]	2	-	1	-	-	-	1	-	-	1	-	1
Mississippi Export RR Co. [MSE]	5	-	2	1	-	-	3	-	1	1	-	1
Mississippi Southern RR [MSR]	-	-	-	-	-	-	-	-	-	-	-	-
Mississippi Tennessee RR LLC [MTNR]	1	-	-	-	-	-	1	-	-	-	-	-
Mississippi Rwy Cooperative, Inc. [MSRW]	-	-	-	-	-	-	-	-	-	-	-	-
Missouri & Northern Arkansas RR Co., Inc. [MNA]	15	-	7	2	-	-	7	-	1	6	-	6
Missouri & Valley Park RR Corp [MVP]	-	-	-	-	-	-	-	-	-	-	-	-
Missouri North Central RR [MNC]	-	-	-	-	-	-	-	-	-	-	-	-
Modesto & Empire Traction Co. [MET]	6	-	6	-	-	-	-	-	-	6	-	6
Modoc Northern RR Co. [MNRR]	1	-	-	1	-	-	-	-	-	-	-	-
Mohawk, Adirondack & Northern RR Corp. [MHWA]	2	-	2	-	-	-	-	-	-	2	-	2
Monticello Rwy Museum [MRMZ]	1	-	1	-	-	-	-	-	-	1	-	1
Morehead & South Fork RR Co. Inc. [MHSF]	-	-	-	-	-	-	-	-	-	-	-	-
Morristown & Erie Rwy, Inc. [ME]	2	-	2	-	-	-	-	-	-	2	-	2
Moscow, Camden & San Augustine RR [MCSA]	-	-	-	-	-	-	-	-	-	-	-	-
Mount Hood Rwy Co. [MH]	1	-	1	-	-	-	-	-	-	1	-	1
Mount Rainier Scenic RR [MRSR]	1	-	1	-	-	-	-	-	-	1	-	1
Mount Vernon Term. Rwy, Inc. [MVT]	-	-	-	-	-	-	-	-	-	-	-	-
Municipality Of East Troy [METW]	-	-	-	-	-	-	-	-	-	-	-	-
N C Transportation Museum Foundation [NCMX]	-	-	-	-	-	-	-	-	-	-	-	-
Napa Valley RR [NVRR]	14	-	14	-	-	-	-	-	-	14	-	14
Nash County RR [NCYR]	1	-	1	-	-	-	-	-	-	1	-	1
Nashville & Eastern RR [NERR]	6	-	5	-	-	-	2	-	1	4	-	4
Nashville & Western RR Corp. [NWR]	-	-	-	-	-	-	-	-	-	-	-	-
Naugatuck RR Co. Inc. [NAUG]	-	-	-	-	-	-	-	-	-	-	-	-
Nebkota Rwy, Inc. [NRI]	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska Central RR [NCRC]	5	-	3	2	-	-	-	-	-	3	-	3
Nebraska Northeastern Rwy Co. [NENE]	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska, Kansas, Colorado Railnet [NKCR]	1	-	1	-	-	-	-	-	-	1	-	1
Nevada Northern Rwy [NNRX]	-	-	-	-	-	-	-	-	-	-	-	-
Nevada Southern Rwy [NVSU]	-	-	-	-	-	-	-	-	-	-	-	-
New Castle Industrial RR [NCIR]	-	-	-	-	-	-	-	-	-	-	-	-
New England Central RR [NECR]	9	-	6	3	-	-	2	-	2	4	-	4
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]	1	-	1	-	-	-	-	-	-	1	-	1
New Orleans & Gulf Coast Rwy Co. Inc. [NOGC]	10	-	1	6	-	-	3	-	-	1	-	1
New Orleans Public Belt RR [NOPB]	3	-	2	1	-	-	-	-	-	2	-	2
New York & Atlantic Rwy Co. [NYA]	2	-	1	-	-	-	1	-	-	1	-	1

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2006

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
New York & Greenwood Lake Rwy [NYGL]	-	-	-	-	-	-	-	-	-	-	-	-
New York & Lake Erie [NYLE]	-	-	-	-	-	-	-	-	-	-	-	-
New York & Ogdensburg Rwy Co. Inc. [NYOG]	-	-	-	-	-	-	-	-	-	-	-	-
New York Cross Harbor RR Term. Corp. [NYCH]	-	-	-	-	-	-	-	-	-	-	-	-
New York New Jersey Rail LLC [NYNJ]	1	-	1	-	-	-	-	-	-	1	-	1
New York, Susquehanna & Western RR Co. [NYSW]	24	2	17	3	-	-	6	2	2	15	-	15
Newburgh & South Shore RR [NSR]	-	-	-	-	-	-	-	-	-	-	-	-
Newport Dinner Train [NPDX]	-	-	-	-	-	-	-	-	-	-	-	-
Niles Canyon Rwy [NICX]	-	-	-	-	-	-	-	-	-	-	-	-
Nimishillen & Tuscarawas, LLC [NTRY]	3	-	3	-	-	-	-	-	-	3	-	3
Nittany & Bald Eagle [NBER]	2	-	1	-	-	-	1	-	-	1	-	1
Norfolk & Portsmouth Belt Line RR Co. [NPB]	1	-	1	-	-	-	-	-	-	1	-	1
North Carolina & Virginia RR Co. [NCVA]	-	-	-	-	-	-	-	-	-	-	-	-
North Shore RR [NSHR]	2	-	-	1	-	-	1	-	-	-	-	-
North Shore Scenic RR [NSSR]	-	-	-	-	-	-	-	-	-	-	-	-
Northern Lines Rwy LLC [NLR]	-	-	-	-	-	-	-	-	-	-	-	-
Northern Ohio & Western Rwy, LTD. [NOW]	-	-	-	-	-	-	-	-	-	-	-	-
Northern Plains RR, Inc. [NPR]	8	-	8	-	-	-	-	-	-	8	-	8
Northwestern Oklahoma RR Co. [NOKL]	-	-	-	-	-	-	-	-	-	-	-	-
Oakland Term. Rwy [OTR]	-	-	-	-	-	-	-	-	-	-	-	-
Ohi Rail Corp. [OHIC]	1	-	-	-	-	-	1	-	-	-	-	-
Ohio & Pennsylvania RR Co. [OHPA]	-	-	-	-	-	-	-	-	-	-	-	-
Ohio Central RR Co. [OHCR]	1	-	1	-	-	-	-	-	-	1	-	1
Ohio Southern RR Co. [OSRR]	-	-	-	-	-	-	-	-	-	-	-	-
Ohio Valley RR Co. [OVR]	-	-	-	-	-	-	-	-	-	-	-	-
Oil Creek & Titusville Lines [OCTL]	2	-	2	-	-	-	-	-	-	2	-	2
Old Augusta RR Co. [OAR]	-	-	-	-	-	-	-	-	-	-	-	-
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 Eastern RR [OERR]	-	-	-	-	-	-	-	-	-	-	-	-
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]	-	-	-	-	-	-	-	-	-	-	-	-
Oxbow Switching Operation [AMIX]	-	-	-	-	-	-	-	-	-	-	-	-
Pacific & Arctic RR & Navigation Co. [PARN]	17	-	17	-	-	-	-	-	-	17	-	17
Pacific Harbor Line Inc. [PHL]	11	-	5	5	-	-	1	-	-	5	-	5
Pacific SW Rwy Museum [PSRM]	-	-	-	-	-	-	-	-	-	-	-	-
Palouse River & Coulee City RR Inc. [PCC]	1	-	-	1	-	-	-	-	-	-	-	-
Panhandle Northern RR Co. [PNR]	10	-	8	1	-	-	1	-	-	8	-	8
Patapsco & Back Rivers RR Co. [PBR]	7	-	2	5	-	-	-	-	-	2	-	2
Pecos Valley Southern Rwy Co. [PVS]	1	-	1	-	-	-	-	-	-	1	-	1
Pend Oreille Valley RR, Inc. [POVA]	3	-	2	1	-	-	-	-	-	2	-	2
Peninsula Term. Co. [PT]	-	-	-	-	-	-	-	-	-	-	-	-
Penn Eastern Rail Lines Inc. [PRL]	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania & Southern Rwy, LLC [PSCC]	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania Southwestern RR, Inc. [PSWR]	-	-	-	-	-	-	-	-	-	-	-	-
Pickens Rwy Co. [PICK]	2	-	-	-	-	-	2	-	-	-	-	-
Pioneer Industrial Rwy Co. [PRY]	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2006

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Pioneer Valley RR Co., Inc. [PVRR]	2	-	-	1	-	-	1	-	-	-	-	-
Pittsburgh & Ohio Central RR Co., The [POHC]	2	-	1	-	-	-	1	-	-	1	-	1
Pittsburgh, Allegheny & McKees Rocks RR [PAM]	-	-	-	-	-	-	-	-	-	-	-	-
Plymouth & Lincoln [PLL]	-	-	-	-	-	-	-	-	-	-	-	-
Point Comfort & Northern Rwy Co. [PCN]	-	-	-	-	-	-	-	-	-	-	-	-
Port Bienville RR [PBVR]	1	-	1	-	-	-	-	-	-	1	-	1
Port Of Catoosa Term. RR [POCA]	-	-	-	-	-	-	-	-	-	-	-	-
Port Of Los Angeles [PLAX]	-	-	-	-	-	-	-	-	-	-	-	-
Port Of Manatee [MAUP]	2	-	1	1	-	-	-	-	-	1	-	1
Port Of Palm Beach Term. [PPBD]	-	-	-	-	-	-	-	-	-	-	-	-
Port Of Tillamook Bay RR [POTB]	11	-	10	1	-	-	-	-	-	10	-	10
Port Term. RR Of South Carolina [PTR]	-	-	-	-	-	-	-	-	-	-	-	-
Port Utilities Commission Of Charleston, S.C. [PUC]	2	-	2	-	-	-	-	-	-	2	-	2
Portland & Western RR, Inc. [PNWR]	8	-	2	4	-	-	2	-	-	2	-	2
Portland Term. [PTO]	4	-	4	-	-	-	-	-	-	4	-	4
Potomac Eagle Scenic Rail Excursion [PEX]	-	-	-	-	-	-	-	-	-	-	-	-
Prescott & Northwestern RR Co. [PNW]	-	-	-	-	-	-	-	-	-	-	-	-
Progressive Rail Inc [PGR]	2	-	1	1	-	-	-	-	-	1	-	1
Providence & Worcester RR Co. [PW]	12	-	8	3	-	-	1	-	-	8	-	8
Puget Sound & Pacific RR Co. [PSAP]	-	-	-	-	-	-	-	-	-	-	-	-
Quincy RR Co. [QRR]	-	-	-	-	-	-	-	-	-	-	-	-
R J Corman RR Co./Tennessee Term. LLC [RJCK]	1	-	1	-	-	-	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]	-	-	-	-	-	-	-	-	-	-	-	-
R. J. Corman RR Corp./Bardstown Line [RJCR]	3	-	5	-	-	-	2	-	4	1	-	1
R. J. Corman, Western Ohio Line [RJCW]	1	-	-	-	-	-	1	-	-	-	-	-
RTD Denver Union Station [DUT]	-	-	-	-	-	-	-	-	-	-	-	-
Rail Link Inc. [RLIX]	-	-	-	-	-	-	-	-	-	-	-	-
Rail Serve [RASX]	3	1	-	2	-	-	1	1	-	-	-	-
Rail Tours, Inc. [RTI]	-	-	-	-	-	-	-	-	-	-	-	-
Railtown 1897 RR [RTRX]	-	-	-	-	-	-	-	-	-	-	-	-
Raritan Central Rwy LLC [RCRY]	-	-	-	-	-	-	-	-	-	-	-	-
Rarus Rwy Co. [RARW]	1	-	-	1	-	-	-	-	-	-	-	-
Rat River Transportation Co. [RRTX]	-	-	-	-	-	-	-	-	-	-	-	-
Reading Blue Mountain & Northern RR Commision [RBM]	14	-	12	2	-	-	-	-	-	12	-	12
Red River Valley & Western RR [RRVW]	10	-	6	3	-	-	1	-	-	6	-	6
Redmont Rwy Co. [RRC]	-	-	-	-	-	-	-	-	-	-	-	-
Regional Transportation Authority-Nashville, TN [N]	-	-	-	-	-	-	-	-	-	-	-	-
Rescar Industries - Beaumont [RCIB]	1	-	-	-	-	-	1	-	-	-	-	-
Riceboro Southern Rwy LLC [RSOR]	-	-	-	-	-	-	-	-	-	-	-	-
Richmond Pacific RR Corp. [RPRC]	4	-	2	1	-	-	1	-	-	2	-	2
Rio Valley Switching Co. [RVSC]	11	1	3	1	-	-	6	-	-	4	1	3
River Port RR [RVPR]	-	-	-	-	-	-	-	-	-	-	-	-
Rochester Southern RR, Inc. [RSR]	1	-	1	-	-	-	-	-	-	1	-	1
Rock & Rail Inc [RRRR]	1	-	-	1	-	-	-	-	-	-	-	-
Rockdale, Sandow & Southern RR Co. [RSS]	1	-	-	1	-	-	-	-	-	-	-	-
SCTRR, LLC [SCTR]	1	-	-	-	-	-	1	-	-	-	-	-
SMS Rail Lines of New York City LLC [SNY]	-	-	-	-	-	-	-	-	-	-	-	-
SMS Rail Service, Inc. [SLRS]	1	1	-	-	-	-	1	1	-	-	-	-
Sabine River & Northern RR Co. [SRN]	-	-	-	-	-	-	-	-	-	-	-	-
Salt Lake City Southern RR Co., Inc. [SL]	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2006

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Salt Lake, Garfield & Western Rwy Co. [SLGW]	1	-	-	-	-	-	1	-	-	-	-	-
San Diego & Imperial Valley [SDIY]	-	-	-	-	-	-	-	-	-	-	-	-
San Diego Northern Rwy [SDNX]	5	2	2	-	-	-	1	-	-	4	2	2
San Francisco Belt RR [SFBR]	-	-	-	-	-	-	-	-	-	-	-	-
San Joaquin Valley RR Co. [SJVR]	13	-	6	5	-	-	3	-	1	5	-	5
San Luis & Rio Grande RR [SLRG]	6	-	9	2	-	-	2	-	7	2	-	2
San Luis Central RR Co. [SLC]	2	-	-	-	-	-	2	-	-	-	-	-
San Manuel Arizona RR Co. [SMA]	-	-	-	-	-	-	-	-	-	-	-	-
San Pedro & Southwestern RR Co. [SPSR]	-	-	-	-	-	-	-	-	-	-	-	-
Sand Springs Rwy Co. [SS]	2	-	1	-	-	-	1	-	-	1	-	1
Sandersville RR Co. [SAN]	3	-	3	-	-	-	-	-	-	3	-	3
Santa Cruz, Big Tree & Pacific RR [SCBG]	-	-	-	-	-	-	-	-	-	-	-	-
Santa Fe Southern Rwy, Inc. [SFS]	1	-	1	-	-	-	-	-	-	1	-	1
Santa Maria Valley RR Co. [SMV]	1	-	1	-	-	-	-	-	-	1	-	1
Saracuse Binghampton And New York RR [SBNX]	-	-	-	-	-	-	-	-	-	-	-	-
Savannah Port Term. RR, Inc. [SAPT]	4	-	-	-	-	-	4	-	-	-	-	-
Seapac RR [SPRV]	-	-	-	-	-	-	-	-	-	-	-	-
Seminole Gulf RR [SGLR]	3	-	1	-	-	-	2	-	-	1	-	1
Semo Port RR, Inc. [SE]	1	-	-	1	-	-	-	-	-	-	-	-
Sequatchie Valley RR [SQVR]	-	-	-	-	-	-	-	-	-	-	-	-
Shamokin Valley RR Co. [SVRR]	-	-	-	-	-	-	-	-	-	-	-	-
Shawnee Term. Rwy Co. [STR]	-	-	-	-	-	-	-	-	-	-	-	-
Shelbyville Industrial RR [SVIZ]	-	-	-	-	-	-	-	-	-	-	-	-
Shenandoah Valley RR [SV]	-	-	-	-	-	-	-	-	-	-	-	-
Sidney & Lowe RR Inc. [SLGG]	-	-	-	-	-	-	-	-	-	-	-	-
Sierra Northern Rwy [SERA]	5	-	5	-	-	-	2	-	2	3	-	3
Sisseton Milbank RR [SMRR]	-	-	-	-	-	-	-	-	-	-	-	-
Ski Train RR [SKTX]	-	-	-	-	-	-	-	-	-	-	-	-
Snoqualmie Valley RR [SNVX]	-	-	-	-	-	-	-	-	-	-	-	-
Somerset RR Co. [SOM]	-	-	-	-	-	-	-	-	-	-	-	-
Souder Commuter Rail [SCR]	-	-	-	-	-	-	-	-	-	-	-	-
South Branch Valley RR [SBVR]	2	-	2	-	-	-	-	-	-	2	-	2
South Buffalo Rwy Co. [SB]	6	-	2	3	-	-	1	-	-	2	-	2
South Carolina Central RR Co., Inc. [SCRF]	6	3	2	2	-	1	3	2	1	1	1	-
South Carolina RR Museum, The [SCMZ]	-	-	-	-	-	-	-	-	-	-	-	-
South Central Florida Express, Inc. [SCXF]	9	-	6	-	-	-	3	-	-	6	-	6
South Chicago & Indiana Harbor Rwy Co. [SCIH]	1	-	1	-	-	-	-	-	-	1	-	1
South Kansas & Oklahoma RR Co. [SKOL]	17	-	5	8	-	-	5	-	1	4	-	4
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]	4	-	4	-	-	-	-	-	-	4	-	4
Southern RR Co. Of New Jersey [SRNJ]	-	-	-	-	-	-	-	-	-	-	-	-
Southern Switching Co. [SSC]	-	-	-	-	-	-	-	-	-	-	-	-
Southwest Pennsylvania RR Co. [SWP]	2	-	1	-	-	-	1	-	-	1	-	1
Southwestern RR Co., Inc. [SW]	8	-	1	5	-	-	3	-	1	-	-	-
St Marys Rwy West LLC [SMW]	-	-	-	-	-	-	-	-	-	-	-	-
St. Croix Valley RR Co. [SCXY]	-	-	-	-	-	-	-	-	-	-	-	-
St. Lawrence & Atlantic RR Co. [SLR]	1	-	1	-	-	-	1	-	1	-	-	-
St. Maries River RR Co. [STMA]	2	-	1	1	-	-	-	-	-	1	-	1
St. Marys RR Co. [SM]	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2006

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Steamtown National Historic Site [SNCX]	-	-	-	-	-	-	-	-	-	-	-	-
Steelton & Highspire RR [SH]	1	-	1	-	-	-	-	-	-	1	-	1
Stillwater Central RR Co., Inc. [SLWC]	12	-	6	6	-	-	2	-	2	4	-	4
Stockton Term. & Eastern RR [STE]	1	-	1	-	-	-	-	-	-	1	-	1
Stourbridge RR Co. [SBRR]	-	-	-	-	-	-	-	-	-	-	-	-
Strasburg RR Co. [SRC]	5	-	5	-	-	-	-	-	-	5	-	5
Sumpter Valley RR [SUVX]	-	-	-	-	-	-	-	-	-	-	-	-
Sunflour RR, Inc. [SNR]	-	-	-	-	-	-	-	-	-	-	-	-
Tacoma Municipal Belt Line Rwy [TMBL]	7	-	5	-	-	-	2	-	-	5	-	5
Tacoma Rail Mountain Division [TRMW]	5	-	5	-	-	-	-	-	-	5	-	5
Talley Rand Term. RR [TTR]	1	-	-	-	-	-	1	-	-	-	-	-
Tazewell & Peoria RR, Inc. [TZPR]	3	-	2	1	-	-	-	-	-	2	-	2
Tennessee Southern RR Co., Inc. [TSRR]	2	-	1	1	-	-	-	-	-	1	-	1
Tennessee Valley RR [TVRM]	-	-	-	-	-	-	-	-	-	-	-	-
Tennken RR Co. Inc. [TKEN]	-	-	-	-	-	-	-	-	-	-	-	-
Terminal Rwy Alabama State Docks [TASD]	13	-	6	7	-	-	-	-	-	6	-	6
Texas & New Mexico RR Co. [TNMR]	1	-	-	1	-	-	-	-	-	-	-	-
Texas & Northern Rwy Co. [TN]	1	-	1	-	-	-	-	-	-	1	-	1
Texas & Oklahoma RR Co. [TXOR]	1	-	-	1	-	-	-	-	-	-	-	-
Texas City Term. Rwy Co. [TCT]	2	-	-	1	-	-	1	-	-	-	-	-
Texas Northwestern Rwy Co. [TXNW]	5	-	2	3	-	-	-	-	-	2	-	2
Texas Pacifico Transportation Limited [TXPF]	1	-	1	-	-	-	-	-	-	1	-	1
Texas Rock Crusher Rwy Co. [TXR]	1	-	1	-	-	-	-	-	-	1	-	1
Texas South-Eastern RR Co. [TSE]	-	-	-	-	-	-	-	-	-	-	-	-
Texas State RR [TSR]	6	-	6	-	-	-	-	-	-	6	-	6
Texas, Gonzales & Northern Rwy Co. [TXGN]	2	-	1	1	-	-	-	-	-	1	-	1
The Youngstown Belt RR Co. [YB]	-	-	-	-	-	-	-	-	-	-	-	-
Thermal Belt Rwy [TBRY]	-	-	-	-	-	-	-	-	-	-	-	-
Three Notch RR [TNHR]	-	-	-	-	-	-	-	-	-	-	-	-
Timberrock RR Co., Inc. [TIBR]	13	-	5	5	-	-	3	-	-	5	-	5
Tioga Central RR [TIOC]	-	-	-	-	-	-	-	-	-	-	-	-
Tishomingo RR Co., Inc. [TISH]	-	-	-	-	-	-	-	-	-	-	-	-
Toledo Lake Erie & Western RR [TLEW]	-	-	-	-	-	-	-	-	-	-	-	-
Toledo, Peoria & Western Rwy Corp. [TPW]	4	-	1	1	-	-	3	-	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]	3	-	3	-	-	-	-	-	-	3	-	3
Tri-county Commuter Rail Authority [TCCX]	26	4	16	-	-	-	9	3	-	17	1	16
Trinity Rwy Express [TRES]	6	2	4	-	-	-	1	1	-	5	1	4
Trona Rwy Co. [TRC]	4	-	4	-	-	-	-	-	-	4	-	4
Tulsa-Sapulpa Union Rwy Co. LLC [TSU]	-	-	-	-	-	-	-	-	-	-	-	-
Turtle Creek Industrial RR, Inc. [TCKR]	-	-	-	-	-	-	-	-	-	-	-	-
Tuscola & Saginaw Bay RR Co., Inc. [TSBY]	17	-	8	3	-	-	6	-	-	8	-	8
Twin City & Western RR [TCWR]	3	-	2	-	-	-	1	-	-	2	-	2
U. S. Rail Corp. [USRV]	2	-	1	1	-	-	-	-	-	1	-	1
Union County Industrial RR Co. [UCIR]	-	-	-	-	-	-	-	-	-	-	-	-
United States Gypsum [USG]	-	-	-	-	-	-	-	-	-	-	-	-
Upper Hudson River RR [UHRX]	1	-	1	-	-	-	-	-	-	1	-	1
Upper Merion & Plymouth RR Co. [UMP]	1	-	1	-	-	-	-	-	-	1	-	1
Utah Central Rwy Co. [UCRY]	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2006

Railroads whose employees worked < 400,000 hours

	Total			Train			HRC			Other		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Utah Rwy Co. [UTAH]	-	-	-	-	-	-	-	-	-	-	-	-
Utah Transit Authority [UTAX]	2	-	-	-	-	-	2	-	-	-	-	-
V and S Rwy, Inc. [VSR]	-	-	-	-	-	-	-	-	-	-	-	-
V&S Rwy Inc D d/b/a/Towner Railway [VST]	-	-	-	-	-	-	-	-	-	-	-	-
Valdosta Rwy, L.P. [VR]	1	-	-	-	-	-	1	-	-	-	-	-
Valley RR Co. [VALE]	2	-	1	-	-	-	2	-	1	-	-	-
Vandalia RR Co. [VRRRC]	-	-	-	-	-	-	-	-	-	-	-	-
Ventura County RR Co. [VCRR]	1	-	1	-	-	-	-	-	-	1	-	1
Vermillion Valley RR Co., Inc. [VVRR]	-	-	-	-	-	-	-	-	-	-	-	-
Vermont Rwy, Inc. [VTR]	7	-	6	1	-	-	-	-	-	6	-	6
Vicksburg Southern RR, Inc. [VSOR]	1	-	1	-	-	-	-	-	-	1	-	1
Virginia & Truckee RR Co., Inc. [VTRR]	-	-	-	-	-	-	-	-	-	-	-	-
Virginia Rwy Express [VREX]	10	-	14	2	-	6	-	-	-	8	-	8
Virginia Southern RR [VSRR]	-	-	-	-	-	-	-	-	-	-	-	-
Wabash Central RR Corp. [WBCR]	-	-	-	-	-	-	-	-	-	-	-	-
Waccamaw Coast Line RR Co. [WCLR]	-	-	-	-	-	-	-	-	-	-	-	-
Walkersville Southern RR, Inc. [WS]	-	-	-	-	-	-	-	-	-	-	-	-
Walking Horse & Eastern RR Co. [WHOE]	-	-	-	-	-	-	-	-	-	-	-	-
Wallowa Union RR Authority [WURR]	1	-	1	-	-	-	-	-	-	1	-	1
Warren & Saline River RR Co. [WSR]	-	-	-	-	-	-	-	-	-	-	-	-
Warren & Trumbull RR Co., The [WTRM]	-	-	-	-	-	-	-	-	-	-	-	-
Washington County RR Corp. [WACR]	-	-	-	-	-	-	-	-	-	-	-	-
Washington and Idaho Rwy [WIRV]	-	-	-	-	-	-	-	-	-	-	-	-
Watco [WATX]	7	-	5	2	-	-	-	-	-	5	-	5
Wellsboro & Corning RR Co. [WCOR]	-	-	-	-	-	-	-	-	-	-	-	-
West Chester RR Co. [WCRL]	-	-	-	-	-	-	-	-	-	-	-	-
West Isle Line Inc. [WFS]	-	-	-	-	-	-	-	-	-	-	-	-
West Jersey Short Line [WJSL]	1	2	-	-	-	-	1	2	-	-	-	-
West Michigan RR Co. [WMI]	-	-	-	-	-	-	-	-	-	-	-	-
West Tennessee RR Corp. [WTNN]	8	-	8	-	-	-	-	-	-	8	-	8
West Texas and Lubbock Rwy Co. [WTLC]	2	-	1	1	-	-	1	-	1	-	-	-
West Virginia Central RR [WVC]	4	-	1	3	-	-	-	-	-	1	-	1
Western Kentucky Rwy, LLC [WKRL]	-	-	-	-	-	-	-	-	-	-	-	-
Western Maryland Scenic RR [WMSR]	2	-	2	-	-	-	-	-	-	2	-	2
Western New York & Pennsylvania RR LLC [WNYP]	7	-	3	3	-	-	1	-	-	3	-	3
Western RR Co. [WRRRC]	-	-	-	-	-	-	-	-	-	-	-	-
Western Rail Switching, Inc. [WRS]	-	-	-	-	-	-	-	-	-	-	-	-
Western Rwy Museum [WRM]	-	-	-	-	-	-	-	-	-	-	-	-
Weyerhaeuser Woods RRs [WCTX]	-	-	-	-	-	-	-	-	-	-	-	-
White City Term. & Utility Co. [WCTR]	-	-	-	-	-	-	-	-	-	-	-	-
Whitewater Valley RR [WVRR]	-	-	-	-	-	-	-	-	-	-	-	-
Wichita Term. Association [WTA]	-	-	-	-	-	-	-	-	-	-	-	-
Wichita, Tillman & Jackson Rwy Co., Inc. [WTJR]	3	-	2	1	-	-	-	-	-	2	-	2
Willamette & Pacific RR, Inc. [WPRR]	11	2	1	3	-	-	6	1	-	2	1	1
Willamette Valley Rwy Co. [WVR]	2	-	-	-	-	-	2	-	-	-	-	-
Wilmington & Western RR Co. [WWRC]	-	-	-	-	-	-	-	-	-	-	-	-
Wilmington Term. RR Inc. [WTRY]	2	-	1	1	-	-	-	-	-	1	-	1
Winamac Southern Rwy Co. [WSRY]	-	-	-	-	-	-	-	-	-	-	-	-
Winchester & Western RR Co. [WW]	2	-	1	-	-	-	1	-	-	1	-	1
Winston-Salem Southbound Rwy [WSS]	4	-	3	-	-	-	1	-	-	3	-	3
Wiregrass Central RR Co. [WGCR]	-	-	-	-	-	-	-	-	-	-	-	-
Wisconsin Great Northern RR, Inc. [WGNS]	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2006

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
Wyoming & Colorado RR [WYCO]	-	-	-	-	-	-	-	-	-	-	-	-
Yadkin Valley RR Co. [YVRR]	4	-	5	1	-	-	1	-	3	2	-	2
Yellowstone Valley RR Inc. [YSVR]	1	-	-	-	-	-	1	-	-	-	-	-
York Rwy Co. [YRC]	4	-	3	-	-	-	1	-	-	3	-	3
Youngstown & Austintown RR [YARR]	-	-	-	-	-	-	-	-	-	-	-	-
Yountstown & Southeastern RR Co., Inc. [YSRR]	-	-	-	-	-	-	-	-	-	-	-	-
Yreka Western RR Co. [YW]	1	-	2	-	-	-	-	-	-	1	-	2