

Railroad Safety Statistics

In 1869, a single spike connected
the Transcontinental U.S. Railroad.



ANNUAL
REPORT
2000

In 2000,
Railroads connected people faster.



U.S. Department of Transportation
Federal Railroad Administration
JULY 2001

FOREWORD

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

The FRA’s *Railroad Safety Statistics – Annual Report 2000* is intended as a resource for the FRA’s safety partners. It is also intended as a general reference source for individuals and organizations with an interest in rail safety issues. Statistical data, tables and charts are provided to depict the nature and cause of many rail-related accidents and incidents that occurred in 2000. Furthermore, selected historical data is included to provide a baseline for understanding the railroad industry’s improving safety performance.

It is hoped that the information provided in this publication will provide insight into the most significant safety issues facing the rail industry and, in turn, lead to continued rail safety improvements. Only by continuing our understanding about how and why railroad accidents and incidents occur, can we hope to approach our goal of “Zero Tolerance.”

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

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

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

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

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

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Office of Public Affairs (Stop 5)
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This report and additional information about the FRA's various programs are available on our Web site at <http://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 record-keeping and reporting requirements were put in place for 1997. These modifications did not redefine what was to be reported but did expand the types of information being collected and the forms used for reporting. The changes made in 1997 were implemented for the purpose of collecting additional information necessary for safety analysis and to support the Federal Railroad Administration's (FRA) overall goal of hazard elimination and risk reduction on the Nation's railroads.

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

"Accident/Incident" is the term used to describe the entire list of reportable events. These include collisions, derailments, and other events involving the operation of on-track equipment and causing reportable damage above an established threshold; impacts between railroad 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 1998 was \$6,600)

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

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

A single form is usually sufficient to report most events; however, there are situations when multiple report forms are necessary. An example is a highway-rail crossing incident resulting in

reportable injuries. An accident of this type would require the completion of both a Form FRA F 6180.57 and a Form FRA F 6180.55a. A Form FRA F 6180.54 must also be prepared if reportable on-track equipment and track damage in this accident exceeds the current monetary threshold for train accidents.

Because of overlap in the reporting requirements, some incidents may fall into multiple categories. The incident described above would be counted as a highway-rail incident, but it would also be included in the train accident total. Another example is a motorist hurt in a highway-rail incident after driving around gates at the crossing site. This individual is reported as a "trespasser" on form FRA F 6180.55a, but the event is classified as a highway-rail incident.

If there is an overlap in the information found in different chapters, when possible, a separate column or row total is provided, or counts are excluded when they are more appropriate to another chapter. In the example of the trespasser injured in a highway-rail incident, this injury appears in the highway-rail chapter, but is excluded from the chapter on trespassing. The train accident counts in Chapter 5 include those highway-rail incidents causing reportable damage above the amount needed for reporting on form FRA F 6180-54. The user of this bulletin can exclude these, if desired, since the number of these are identified in most tables in this chapter.

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

The data is presented in the following general format. First, there is a graphic historical review of the major indicators of railroad safety since 1975. Following this are overall totals for the 6-year period beginning with 1992, including summaries by railroad and states for this time frame. Next are a variety of tables and charts for the current year. The chapter for each major reporting area contains a description of the pertinent requirements and definitions associated with that specific accident/incident category.

Extensive consolidation of railroads has occurred over the years. In order to make a more valid comparison of major railroad systems, it was necessary to combine the information reported by predecessor railroads for the years prior to 1998. For example, data from railroads that made up the Southern Pacific Transportation System were merged into the Union Pacific counts.

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OVERVIEW OF ACCIDENT/INCIDENTS AND RATES

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

Category	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
---GRAND TOTAL---											
Accidents/incidents	31,175	29,296	26,849	24,740	22,465	19,592	17,690	16,699	16,501	16,776	16,918
Rate 1/	26.82	26.45	24.17	21.82	19.14	16.60	15.05	14.14	13.78	13.72	13.94
Deaths	1,297	1,194	1,170	1,279	1,226	1,146	1,039	1,063	1,008	932	937
Nonfatal conditions	25,143	23,468	21,383	19,121	16,812	14,440	12,558	11,767	11,459	11,700	11,643
---TRAIN ACCIDENTS----											
Rate 2/	4.73	4.61	3.97	4.25	3.82	3.67	3.64	3.54	3.77	3.89	4.13
Total number	2,879	2,658	2,359	2,611	2,504	2,459	2,443	2,397	2,575	2,768	2,983
Deaths	10	19	6	67	12	14	25	17	4	9	10
Injuries	451	326	171	308	262	294	281	183	129	130	275
Collisions	315	261	207	205	240	235	205	202	168	205	238
Derailments	2,146	1,936	1,734	1,930	1,825	1,742	1,816	1,741	1,757	1,961	2,112
On main line	1,135	1,113	874	955	914	912	941	867	934	858	976
On yard track	1,428	1,276	1,209	1,383	1,339	1,279	1,249	1,223	1,306	1,531	1,619
Yard track rate 3/	14.55	14.41	14.32	15.87	14.91	14.23	14.22	14.41	15.60	17.51	18.21
Other track rate 4/	2.84	2.83	2.26	2.33	2.06	2.03	2.05	1.98	2.12	1.98	2.15
Track caused	974	952	830	963	911	856	905	879	900	995	1,035
Track caused rate	1.60	1.65	1.40	1.57	1.39	1.28	1.35	1.30	1.32	1.40	1.43
Human factor caused	1,095	887	864	865	911	944	783	855	971	1,031	1,147
Equipment caused	425	415	353	360	293	279	318	271	307	321	372
Signal caused	14	16	19	54	36	27	49	39	38	49	70
Equip Dmg (millions \$)	145.714	157.992	85.369	121.833	124.850	134.766	160.908	152.092	162.561	164.654	169.172
Track Dmg (millions \$)	52.999	51.670	33.572	48.816	43.899	54.458	51.407	58.637	71.337	80.435	94.040
___ Hazmat ___											
Consists releasing	34	46	26	28	34	26	34	31	42	41	35
Cars releasing	85	83	32	57	40	48	69	38	66	75	75
People evacuated	3,034	6,229	21,218	3,207	15,336	2,817	8,547	8,812	2,058	996	5,258
---HIGHWAY-RAIL-----											
Rate 5/	9.39	9.34	8.27	7.97	7.60	6.92	6.34	5.71	5.14	4.90	4.84
Incidents	5,715	5,388	4,910	4,892	4,979	4,633	4,257	3,865	3,508	3,489	3,502
Deaths	698	608	579	626	615	579	488	461	431	402	425
Injuries	2,407	2,094	1,975	1,837	1,961	1,894	1,610	1,540	1,303	1,396	1,219
---OTHER INCIDENTS-----											
Incidents 6/	22,581	21,250	19,580	17,237	14,982	12,500	10,990	10,437	10,418	10,519	10,433
Deaths	589	567	585	586	599	553	526	585	573	521	502
Injuries	22,285	21,048	19,237	16,976	14,589	12,252	10,667	10,044	10,027	10,174	10,149

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

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

Category	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
...EMPLOYEE COUNTS....											
All accidents/incidents											
Rate 1/	7.59	7.41	6.88	5.93	5.06	4.24	3.66	3.31	3.27	3.39	3.44
Deaths	40	35	34	47	31	34	33	37	27	31	24
Nonfatal conditions	20,970	19,626	17,755	15,363	13,080	10,777	9,199	8,295	8,398	8,622	8,423
Cases with days absent	14,177	13,688	12,157	10,115	8,758	7,055	5,981	5,371	5,359	5,779	5,788
Percent of total	67.48	69.62	68.34	65.64	66.80	65.26	64.79	64.46	63.61	66.79	68.52
Days absent	583,199	743,118	709,297	601,718	492,404	344,035	305,918	244,383	325,127	344,747	367,526
Serious injuries	1,680	1,557	1,433	1,348	1,303	1,129	1,008	929	910	918	832
Sprains/strains	10,002	9,715	8,674	7,641	6,428	5,203	4,427	3,960	3,945	4,280	4,357
Occupational illnesses	554	663	883	544	285	254	157	128	171	141	129
...PASSENGERS ON TRAINS											
Rate 2/	3.48	2.78	3.01	4.48	3.57	4.18	3.86	4.29	3.69	3.33	4.10
Deaths	3	8	3	58	5	0	12	6	4	14	4
Injuries	473	382	411	559	497	573	513	601	535	481	658
...IN TRAIN ACCS/HIGHWAY-RAIL											
Deaths	0	8	0	49	2	0	9	1	2	11	0
Rate	0.00	0.06	0.00	0.36	0.01	0.00	0.07	0.01	0.01	0.07	0.00
Injuries	193	54	113	168	154	119	139	94	30	54	95
...TRESPASSER COUNTS...											
Rate 3/	1.81	1.83	1.81	1.68	1.50	1.43	1.41	1.55	1.54	1.30	1.21
Deaths	543	524	533	523	529	494	471	533	536	479	463
Injuries	560	534	540	509	452	461	474	516	513	445	414
---OPERATIONS(millions)											
Total train miles 4/	608.837	576.835	593.704	613.974	655.083	669.823	670.924	676.716	682.895	712.453	722.877
Yard switching miles 5/	98.151	88.519	84.430	87.122	89.776	89.892	87.823	84.874	83.692	87.459	88.919
Employee hours 6/	553.603	530.661	517.041	519.673	518.634	510.457	504.599	503.918	514.870	509.997	490.926
Passengers carried 7/	373.048	369.109	366.904	371.610	393.600	385.827	397.394	408.619	439.958	464.885	501.750

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

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TABLE 1-3 SUMMARY BY TYPE INCIDENT AND TYPE PERSON

Train Accidents Excluding Highway-Rail Crossing (HRC) Incidents

Type Person	Fatalities						Nonfatal Conditions					
	1995	1996	1997	1998	1999	2000	1995	1996	1997	1998	1999	2000
A - Worker on duty(rr empl)	10	14	11	3	7	4	189	158	113	112	106	148
B - Employee not on duty	1	-	-	-	-	-	9	1	12	-	7	15
C - Passenger on train	-	9	1	-	-	-	89	115	51	11	11	85
D - Nontrespasser	-	-	-	-	1	3	6	1	-	-	-	11
E - Trespasser	3	2	4	1	1	2	-	-	-	4	-	1
F - Worker on duty(contractor)	-	-	-	-	-	-	1	6	2	2	-	-
G - Contractor(other)	-	-	-	-	-	-	-	-	-	-	-	2
J - Nontrespasser, off rr prop	-	-	1	-	-	1	-	-	5	-	6	13
--Total...	14	25	17	4	9	10	294	281	183	129	130	275

Highway-Rail Crossing (HRC) Incidents

Type Person	Fatalities						Nonfatal Conditions					
	1995	1996	1997	1998	1999	2000	1995	1996	1997	1998	1999	2000
A - Worker on duty(rr empl)	2	1	-	4	2	2	123	79	111	122	140	100
B - Employee not on duty	-	-	-	-	-	-	4	2	3	3	1	3
C - Passenger on train	-	-	-	2	11	-	30	24	43	19	43	10
D - Nontrespasser	411	338	348	317	294	315	1,497	1,229	1,154	985	995	906
E - Trespasser	166	149	113	108	93	107	239	276	212	164	205	192
F - Worker on duty(contractor)	-	-	-	-	-	-	1	-	-	1	-	-
G - Contractor(other)	-	-	-	-	1	-	-	-	1	-	-	1
I - Volunteer(other)	-	-	-	-	-	-	-	-	-	1	-	-
J - Nontrespasser, off rr prop	-	-	-	-	1	1	-	-	16	8	12	7
--Total...	579	488	461	431	402	425	1,894	1,610	1,540	1,303	1,396	1,219

Other Incidents, Excluding HRC

Type Person	Fatalities						Nonfatal Conditions					
	1995	1996	1997	1998	1999	2000	1995	1996	1997	1998	1999	2000
A - Worker on duty(rr empl)	22	18	26	20	22	18	10,465	8,962	8,071	8,164	8,376	8,175
B - Employee not on duty	1	-	-	2	-	1	239	225	248	216	208	268
C - Passenger on train	-	3	5	2	3	4	454	374	507	505	427	563
D - Nontrespasser	32	27	14	7	7	14	366	430	363	216	312	347
E - Trespasser	491	469	529	535	478	461	461	474	516	509	445	413
F - Worker on duty(contractor)	7	9	6	2	2	-	267	202	211	234	172	183
G - Contractor(other)	-	-	5	3	9	3	-	-	120	143	212	182
H - Worker on duty(volunteer)	-	-	-	-	-	-	-	-	3	11	4	6
I - Volunteer(other)	-	-	-	-	-	-	-	-	3	2	1	2
J - Nontrespasser, off rr prop	-	-	-	2	-	1	-	-	2	27	17	10
--Total...	553	526	585	573	521	502	12,252	10,667	10,044	10,027	10,174	10,149

GRAND TOTAL

Type Person	Fatalities						Nonfatal Conditions					
	1995	1996	1997	1998	1999	2000	1995	1996	1997	1998	1999	2000
A - Worker on duty(rr empl)	34	33	37	27	31	24	10,777	9,199	8,295	8,398	8,622	8,423
B - Employee not on duty	2	-	-	2	-	1	252	228	263	219	216	286
C - Passenger on train	-	12	6	4	14	4	573	513	601	535	481	658
D - Nontrespasser	443	365	362	324	302	332	1,869	1,660	1,517	1,201	1,307	1,264
E - Trespasser	660	620	646	644	572	570	700	750	728	677	650	606
F - Worker on duty(contractor)	7	9	6	2	2	-	269	208	213	237	172	183
G - Contractor(other)	-	-	5	3	10	3	-	-	121	143	212	185
H - Worker on duty(volunteer)	-	-	-	-	-	-	-	-	3	11	4	6
I - Volunteer(other)	-	-	-	-	-	-	-	-	3	3	1	2
J - Nontrespasser, off rr prop	-	-	1	2	1	3	-	-	23	35	35	30
--Total...	1,146	1,039	1,063	1,008	932	937	14,440	12,558	11,767	11,459	11,700	11,643

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TABLE 1-4 TOTAL CASUALTIES, BY RAILROAD

Railroads	Fatalities						Nonfatal					
	1995	1996	1997	1998	1999	2000	1995	1996	1997	1998	1999	2000
Alton & Southern	-	-	-	-	-	-	19	14	17	17	15	22
Alaska RR Corp.	1	1	2	1	-	1	47	52	72	59	62	50
Amtrak	124	101	117	120	105	131	1,516	1,209	1,328	1,180	1,161	1,412
Bangor & Aroostook	-	-	-	1	-	-	35	37	37	47	28	26
Bessemer & Lake Erie RR	-	-	1	-	-	-	16	12	15	21	6	7
Burlington Northern Santa Fe	215	174	180	209	130	151	1,678	1,208	1,174	1,412	1,495	1,493
Belt Rwy Of Chicago	-	1	1	2	-	-	15	13	16	15	7	5
Consolidated Rail Corp.	79	53	59	37	20	-	972	813	627	507	225	-
Conrail Shared Assets	-	-	-	-	2	1	-	-	-	-	29	56
CSX Transportation	139	101	112	125	120	124	834	847	894	953	1,150	1,324
Delaware & Hudson	4	1	5	-	3	4	47	46	39	30	49	49
Dakota,Minnesota & Eastern	1	1	1	-	1	1	34	29	23	25	32	22
Duluth,Missabe & Iron Range	-	-	-	-	-	-	47	66	53	43	25	38
Duluth,Winnipeg & Pacific	-	-	3	2	1	-	7	10	8	6	3	3
Elgin, Joliet & Eastern	-	-	-	-	2	-	21	48	52	48	41	32
Florida East Coast	18	23	19	10	16	22	65	73	68	62	52	46
Guilford Rail System	2	-	4	2	2	3	29	21	19	26	24	29
Grand Trunk Western RR	6	11	10	4	5	4	254	183	164	162	131	120
Gateway Western	2	3	1	2	1	4	15	21	11	13	20	7
Illinois Central	8	19	17	18	16	17	211	208	183	165	186	225
Indiana Harbor Belt	3	1	2	-	-	2	85	36	64	57	38	43
I & M Rail Link, LLC	-	-	2	2	6	6	-	-	25	65	49	68
Kansas City Southern	19	26	27	29	23	24	184	166	176	198	142	143
Long Island Rail Road	17	9	18	10	6	7	743	745	706	569	534	414
MD Assn. of Rail Comm	-	11	-	-	2	2	-	19	5	3	5	5
Mass Bay Transit Auth.	-	6	11	2	5	11	-	119	74	94	93	103
Metro North Commuter	15	3	7	4	5	4	575	599	481	389	450	476
Montana Rail Link	2	5	5	-	3	3	64	74	49	18	24	22
Northern IN Comm Trans	1	1	2	3	1	-	57	36	37	34	40	25
Northeast IL Reg Comm	9	7	7	6	8	5	234	265	189	206	232	283
New Jersey Transit Rail	31	20	23	24	18	21	203	188	118	94	140	174
Norfolk Southern Corp.	123	108	108	112	104	118	721	657	534	563	756	778
Paducah & Louisville	1	1	-	1	-	-	28	22	18	8	10	16
Port Auth Trans Hudson	3	-	-	1	1	1	218	188	188	164	158	199
Peninsula Comm San Mateo Cnty	-	3	6	3	3	14	-	14	16	26	11	25
Port Terminal RR Assn	1	-	-	1	1	-	13	10	9	8	6	11
Southern CA Reg Rail Auth.	6	5	8	6	2	1	10	4	29	16	15	31
Southeastern PA Trans.	2	5	7	3	7	3	299	290	376	374	351	279
Soo Line	9	11	7	6	7	5	480	411	258	200	203	166
Texas Mexican	1	-	-	1	-	1	8	2	10	14	18	27
Term RR Assn Of St. Louis	-	-	-	-	-	-	11	19	10	2	10	8
Union Pacific	272	294	258	240	278	204	2,806	2,207	2,101	2,192	2,356	1,994
Union RR (Pittsburgh)	-	-	-	-	-	-	19	28	15	30	34	21
Wisconsin Central Ltd.	11	4	7	6	6	11	223	169	182	129	132	161
Wheeling & Lake Erie	-	1	2	-	1	-	22	22	19	8	14	19
Other Railroads	21	29	24	15	21	31	1,575	1,358	1,278	1,207	1,138	1,186
Total	1,146	1,039	1,063	1,008	932	937	14,440	12,558	11,767	11,459	11,700	11,643

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TABLE 1-5 TOTAL CASUALTIES, BY STATE

States	Fatalities						Nonfatal						6 Year Total	
	1995	1996	1997	1998	1999	2000	1995	1996	1997	1998	1999	2000	Kld	Nonf
Alabama	24	25	30	25	18	20	203	191	176	156	151	143	142	1,020
Alaska	1	2	2	1	-	2	64	72	97	83	84	82	8	482
Arizona	17	22	24	19	15	27	164	107	169	121	148	147	124	856
Arkansas	22	26	11	36	27	30	307	233	243	261	269	225	152	1,538
California	106	96	109	114	114	101	793	731	724	795	770	808	640	4,621
Colorado	13	12	9	12	9	10	229	184	159	134	150	112	65	968
Connecticut	7	3	8	4	10	6	156	159	136	130	166	159	38	906
Delaware	-	1	3	1	2	2	89	62	70	42	53	47	9	363
Dist Of Columbia	1	-	-	1	-	-	93	80	82	75	78	90	2	498
Florida	48	41	37	30	44	45	327	248	282	276	252	303	245	1,688
Georgia	29	27	24	31	20	23	228	189	199	221	216	231	154	1,284
Idaho	10	7	7	9	4	11	154	113	105	83	56	53	48	564
Illinois	91	76	73	70	93	69	1,303	1,059	926	942	1,084	1,109	472	6,423
Indiana	42	40	36	31	33	36	420	361	378	334	321	317	218	2,131
Iowa	13	14	15	6	20	9	319	254	227	198	201	211	77	1,410
Kansas	17	19	22	16	13	21	246	205	182	220	214	226	108	1,293
Kentucky	21	13	22	11	5	14	179	175	140	173	174	170	86	1,011
Louisiana	36	37	35	33	28	16	291	248	288	267	242	310	185	1,646
Maine	-	-	1	2	-	2	56	53	71	77	49	58	5	364
Maryland	9	18	5	4	12	9	129	176	72	94	105	103	57	679
Massachusetts	12	12	19	5	12	17	221	215	153	155	187	183	77	1,114
Michigan	17	28	24	16	22	23	398	377	392	317	305	300	130	2,089
Minnesota	24	21	15	22	24	11	436	399	307	314	315	303	117	2,074
Mississippi	32	17	22	28	26	17	121	132	136	127	145	120	142	781
Missouri	31	30	24	34	18	29	312	241	212	236	287	221	166	1,509
Montana	9	8	8	7	4	4	127	145	113	79	93	108	40	665
Nebraska	12	14	16	15	14	8	319	220	197	263	295	247	79	1,541
Nevada	9	4	3	6	4	1	115	32	30	34	47	25	27	283
New Hampshire	-	1	-	1	-	-	15	10	5	14	12	15	2	71
New Jersey	35	25	29	31	21	28	533	481	407	325	380	432	169	2,558
New Mexico	15	14	17	12	8	4	90	84	67	105	82	106	70	534
New York	48	27	41	29	25	32	1,696	1,621	1,453	1,210	1,237	1,168	202	8,385
North Carolina	30	27	26	40	24	24	122	180	146	145	123	121	171	837
North Dakota	9	5	2	8	3	9	98	101	81	68	72	82	36	502
Ohio	49	34	45	30	39	28	435	383	365	368	395	339	225	2,285
Oklahoma	18	28	30	19	22	22	154	130	134	135	108	124	139	785
Oregon	20	7	18	22	10	9	194	185	136	157	145	152	86	969
Pennsylvania	30	19	30	17	20	23	854	756	778	743	663	583	139	4,377
Rhode Island	-	1	4	2	1	1	16	14	12	11	17	19	9	89
South Carolina	16	18	21	23	16	20	141	99	104	98	80	141	114	663
South Dakota	5	2	1	-	-	3	50	41	37	43	48	43	11	262
Tennessee	22	20	20	25	17	15	192	130	135	141	153	163	119	914
Texas	114	124	99	97	84	90	895	731	768	795	853	777	608	4,819
Utah	10	14	6	6	7	5	107	92	87	84	87	88	48	545
Vermont	1	1	-	1	-	1	18	26	11	25	33	22	4	135
Virginia	16	18	12	13	10	13	187	143	139	160	143	169	82	941
Washington	25	19	25	21	20	16	277	231	210	211	195	230	126	1,354
West Virginia	7	8	12	7	2	9	87	78	64	83	84	93	45	489
Wisconsin	20	9	19	11	9	20	388	300	283	237	219	258	88	1,685
Wyoming	3	5	2	4	3	2	92	81	79	94	114	107	19	567
Total	1,146	1,039	1,063	1,008	932	937	14,440	12,558	11,767	11,459	11,700	11,643	6,125	73,567

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

Railroads	1995		1996		1997		1998		1999		2000	
	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate
Alton & Southern	19	5.67	13	3.92	17	5.03	16	4.86	15	4.56	22	6.62
Alaska RR Corp.	36	7.58	45	8.66	63	11.45	54	9.28	51	7.92	40	6.13
Amtrak	1,283	5.71	987	4.64	901	4.33	842	3.87	914	4.03	920	4.01
Bangor & Aroostook	33	10.02	36	11.16	36	11.90	48	14.56	25	7.78	26	8.33
Bessemer & Lake Erie RR	16	4.95	12	3.70	8	2.14	16	3.54	5	1.05	5	1.06
Burlington Northern Santa Fe	1,185	2.68	879	2.01	789	1.74	1,014	2.20	1,031	2.39	1,059	2.61
Belt Rwy Of Chicago	14	2.23	14	2.08	14	2.02	17	2.58	7	1.06	5	0.80
Consolidated Rail Corp.	836	3.74	671	3.13	518	2.58	419	2.05	194	2.20	-	-
Conrail Shared Assets	-	-	-	-	-	-	-	-	25	1.66	32	1.68
CSX Transportation	503	1.73	582	2.05	608	2.15	718	2.45	892	2.70	998	2.89
Delaware & Hudson	40	5.65	43	7.14	31	5.27	28	4.29	44	5.19	40	4.57
Dakota,Minnesota & Eastern	25	9.07	22	6.17	21	5.83	23	6.93	29	8.54	19	5.22
Duluth,Missabe & Iron Range	47	6.91	65	9.32	50	6.93	42	5.88	23	3.34	37	5.56
Duluth,Winnipeg & Pacific	5	2.25	8	3.73	8	3.73	5	2.36	3	1.49	3	1.44
Elgin, Joliet & Eastern	18	2.36	45	6.04	47	5.97	45	5.83	39	5.14	32	4.24
Florida East Coast	39	4.11	45	4.94	39	4.43	29	3.20	30	3.46	26	3.15
Guilford Rail System	27	2.32	18	1.86	11	1.16	21	2.25	20	2.02	28	2.91
Grand Trunk Western RR	220	7.94	152	6.77	131	6.35	153	7.00	122	5.52	108	5.79
Gateway Western	16	5.69	17	6.11	5	2.01	12	4.92	19	7.37	2	0.73
Illinois Central	139	3.45	136	3.53	111	2.91	105	2.80	118	3.10	159	3.85
Indiana Harbor Belt	71	8.08	27	2.98	53	6.14	53	6.05	34	3.63	37	4.25
I & M Rail Link, LLC	-	-	-	-	17	3.15	40	5.40	39	5.62	51	7.78
Kansas City Southern	84	3.01	89	3.33	79	3.01	95	3.49	86	3.08	77	2.75
Long Island Rail Road	584	10.12	508	8.90	451	7.72	408	6.88	396	6.68	350	5.59
MD Assn. of Rail Comm.	-	-	3	2.87	2	1.98	1	0.76	2	1.05	4	1.65
Mass Bay Transit Auth.	-	-	96	6.36	69	4.16	85	4.73	83	4.54	80	4.50
Metro North Commuter	525	9.79	533	10.19	433	8.27	319	6.03	334	6.26	367	7.00
Montana Rail Link	58	5.71	67	5.97	40	3.46	12	1.15	20	2.07	21	2.19
Northern IN Comm Trans	51	16.34	30	9.06	29	8.70	28	8.17	40	11.33	25	6.46
Northeast IL Reg Comm	123	5.14	134	5.59	110	4.59	127	5.12	93	3.61	132	5.03
New Jersey Transit Rail	86	2.35	88	2.29	89	2.44	85	2.33	130	3.37	141	3.61
Norfolk Southern Corp.	362	1.54	294	1.26	220	0.94	270	1.07	409	1.27	499	1.46
Paducah & Louisville	25	8.37	20	7.11	11	4.07	6	2.07	9	2.87	13	4.29
Port Auth Trans Hudson	131	12.65	113	11.04	113	11.45	101	10.45	86	8.98	105	11.32
Peninsula Comm San Mateo Cnty	-	-	14	3.96	15	4.33	18	5.01	4	1.06	22	5.15
Port Terminal RR Assn	11	3.14	6	1.88	5	1.55	6	1.78	4	1.25	8	2.44
Southern CA Reg Rail Auth.	6	3.40	3	1.35	12	3.66	8	2.71	8	2.97	14	4.72
Southeastern PA Trans.	231	13.21	198	11.30	193	11.68	181	10.27	167	9.82	142	8.30
Soo Line	434	10.09	369	9.06	229	6.53	167	4.96	181	5.74	147	5.08
Texas Mexican	8	4.67	1	0.58	5	2.10	4	1.35	14	6.09	20	8.60
Term RR Assn Of St. Louis	10	3.65	15	5.37	4	1.47	1	0.36	7	2.40	7	2.27
Union Pacific	2,099	3.86	1,561	2.91	1,545	2.89	1,680	3.16	1,797	3.49	1,532	3.10
Union RR (Pittsburgh)	19	5.25	28	7.67	15	4.25	28	7.79	34	10.38	21	6.68
Wisconsin Central Ltd.	168	8.53	110	5.31	122	5.50	86	3.81	95	4.12	102	4.35
Wheeling & Lake Erie	11	2.81	11	2.94	16	4.45	7	1.63	10	2.30	16	3.64
Other Railroads	1,213	10.12	1,124	9.28	1,047	8.50	1,002	8.12	965	7.74	953	7.72

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

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TABLE 1-7 TRAIN ACCIDENTS BY RAILROAD, EXCLUDING HIGHWAY-RAIL CROSSING INCIDENTS

Railroads	1995		1996		1997		1998		1999		2000	
	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate
Alton & Southern	9	11.94	6	8.18	4	5.55	4	5.37	13	17.26	6	7.80
Alaska RR Corp.	4	4.94	5	5.80	7	6.47	5	4.58	6	4.68	2	1.49
Amtrak	68	1.78	88	2.60	84	2.27	89	2.51	85	2.35	148	4.10
Bangor & Aroostook	2	4.34	3	3.51	-	-	3	2.48	7	5.75	6	5.41
Bessemer & Lake Erie RR	1	5.66	1	4.09	1	4.18	2	6.71	-	-	2	8.00
Burlington Northern Santa Fe	580	3.98	454	3.11	439	2.84	435	2.67	481	2.96	573	3.57
Belt Rwy Of Chicago	49	125.83	59	126.70	39	77.48	29	63.18	44	94.23	20	43.56
Consolidated Rail Corp.	146	3.24	175	3.83	187	4.12	236	5.07	104	5.30	-	-
Conrail Shared Assets	-	-	-	-	-	-	-	-	17	10.65	40	15.59
CSX Transportation	134	1.61	163	1.95	257	3.07	310	3.71	423	4.02	484	4.23
Delaware & Hudson	12	6.09	8	4.59	6	2.92	4	1.92	8	3.52	9	3.72
Dakota,Minnesota & Eastern	27	41.41	26	36.00	27	38.39	16	23.79	12	14.85	23	28.63
Duluth,Missabe & Iron Range	8	9.12	7	9.24	10	11.72	10	12.87	7	9.61	7	9.60
Duluth,Winnipeg & Pacific	5	7.53	4	6.12	1	1.38	4	5.77	2	2.92	4	5.70
Elgin, Joliet & Eastern	12	20.29	15	24.41	11	18.34	14	20.84	15	22.21	10	15.37
Florida East Coast	17	5.29	12	3.64	12	3.55	20	5.87	24	7.64	18	6.27
Guilford Rail System	2	1.87	2	1.88	3	2.74	5	4.37	7	6.71	9	9.06
Grand Trunk Western RR	46	8.95	32	5.85	25	4.42	21	3.91	21	4.05	20	3.71
Gateway Western	7	6.78	6	5.98	4	4.41	11	13.13	13	16.28	9	10.37
Illinois Central	74	7.79	82	9.14	58	6.37	73	7.82	60	6.48	71	6.13
Indiana Harbor Belt	27	18.39	9	5.87	25	16.01	27	17.27	37	21.90	26	17.00
I & M Rail Link, LLC	-	-	-	-	19	13.91	34	16.26	31	15.42	37	18.56
Kansas City Southern	109	13.54	75	9.23	71	8.59	66	7.62	79	9.32	94	11.84
Long Island Rail Road	30	3.66	39	4.77	22	2.70	19	2.33	15	1.83	18	2.19
MD Assn. of Rail Comm	-	-	1	1.85	-	-	1	1.39	2	1.85	2	1.82
Mass Bay Transit Auth.	-	-	-	-	1	0.37	-	-	2	0.55	1	0.26
Metro North Commuter	23	2.94	23	3.09	20	2.62	33	4.23	28	3.62	38	4.63
Montana Rail Link	30	7.20	34	9.05	39	9.59	12	3.12	13	3.93	13	3.75
Northern IN Comm Trans	1	1.20	-	-	2	2.40	6	7.17	3	3.45	1	1.14
Northeast IL Reg Comm	6	1.67	6	1.77	6	1.72	1	0.29	4	1.12	5	1.39
New Jersey Transit Rail	6	0.80	12	1.54	16	1.99	12	1.47	8	0.98	17	2.02
Norfolk Southern Corp.	94	1.51	151	2.37	170	2.64	149	2.19	238	2.91	275	2.87
Paducah & Louisville	3	4.59	7	11.68	7	11.60	4	6.48	3	4.77	3	5.07
Port Auth Trans Hudson	5	2.53	-	-	-	-	-	-	1	0.50	2	0.99
Peninsula Comm San Mateo Cnty	-	-	-	-	-	-	-	-	-	-	2	1.81
Port Terminal RR Assn	10	9.51	6	5.31	11	8.84	12	9.61	6	4.82	13	10.51
Southern CA Reg Rail Auth.	3	2.84	4	3.20	3	2.21	4	2.72	4	2.32	1	0.57
Southeastern PA Trans.	4	0.79	9	1.78	16	3.12	16	3.08	8	1.51	16	2.96
Soo Line	95	8.71	106	10.74	54	6.44	42	5.05	46	5.71	23	2.80
Texas Mexican	1	4.96	2	7.03	3	5.13	5	4.44	12	10.74	9	10.26
Term RR Assn Of St. Louis	15	29.67	14	26.96	18	33.12	10	17.63	18	29.80	7	10.44
Union Pacific	694	3.88	719	4.00	581	3.51	727	4.62	719	4.08	758	4.19
Union RR (Pittsburgh)	4	26.95	9	58.90	1	6.71	1	6.01	4	26.96	7	50.96
Wisconsin Central Ltd.	67	13.79	50	9.92	36	7.13	23	4.38	35	6.70	48	8.27
Wheeling & Lake Erie	8	14.55	1	1.79	7	14.93	-	-	1	1.90	8	12.11
Other Railroads	230	11.24	227	10.85	268	10.95	294	12.12	321	13.26	332	13.69

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

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TABLE 1-8 TRAIN ACCIDENTS BY STATE, EXCLUDING HIGHWAY RAIL CROSSING INCIDENTS

States	1995		1996		1997		1998		1999		2000		6 Year Total	
	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Cnt	%
Alabama	16	0.7	34	1.4	37	1.5	48	1.9	45	1.6	51	1.7	231	1.5
Alaska	4	0.2	5	0.2	7	0.3	5	0.2	6	0.2	2	0.1	29	0.2
Arizona	37	1.5	22	0.9	21	0.9	18	0.7	25	0.9	48	1.6	171	1.1
Arkansas	56	2.3	56	2.3	50	2.1	61	2.4	65	2.3	72	2.4	360	2.3
California	112	4.6	127	5.2	105	4.4	135	5.2	154	5.6	183	6.1	816	5.2
Colorado	49	2.0	52	2.1	39	1.6	54	2.1	60	2.2	57	1.9	311	2.0
Connecticut	16	0.7	13	0.5	12	0.5	24	0.9	30	1.1	36	1.2	131	0.8
Delaware	2	0.1	3	0.1	5	0.2	6	0.2	5	0.2	7	0.2	28	0.2
Dist Of Columbia	4	0.2	8	0.3	5	0.2	7	0.3	9	0.3	15	0.5	48	0.3
Florida	42	1.7	38	1.6	39	1.6	58	2.3	61	2.2	66	2.2	304	1.9
Georgia	28	1.1	43	1.8	64	2.7	64	2.5	80	2.9	66	2.2	345	2.2
Idaho	32	1.3	31	1.3	25	1.0	31	1.2	17	0.6	25	0.8	161	1.0
Illinois	248	10.1	258	10.6	251	10.5	189	7.3	288	10.4	231	7.7	1,465	9.4
Indiana	46	1.9	57	2.3	68	2.8	87	3.4	85	3.1	79	2.6	422	2.7
Iowa	83	3.4	79	3.2	89	3.7	94	3.7	86	3.1	82	2.7	513	3.3
Kansas	74	3.0	71	2.9	59	2.5	75	2.9	89	3.2	91	3.1	459	2.9
Kentucky	22	0.9	39	1.6	56	2.3	58	2.3	54	2.0	44	1.5	273	1.7
Louisiana	61	2.5	56	2.3	61	2.5	71	2.8	70	2.5	79	2.6	398	2.5
Maine	4	0.2	6	0.2	4	0.2	10	0.4	15	0.5	13	0.4	52	0.3
Maryland	12	0.5	12	0.5	30	1.3	17	0.7	30	1.1	51	1.7	152	1.0
Massachusetts	12	0.5	10	0.4	11	0.5	12	0.5	18	0.7	23	0.8	86	0.6
Michigan	61	2.5	48	2.0	48	2.0	48	1.9	43	1.6	47	1.6	295	1.9
Minnesota	92	3.7	92	3.8	65	2.7	60	2.3	85	3.1	80	2.7	474	3.0
Mississippi	82	3.3	62	2.5	42	1.8	41	1.6	35	1.3	61	2.0	323	2.1
Missouri	79	3.2	77	3.2	46	1.9	57	2.2	73	2.6	83	2.8	415	2.7
Montana	42	1.7	52	2.1	54	2.3	39	1.5	27	1.0	30	1.0	244	1.6
Nebraska	96	3.9	79	3.2	77	3.2	82	3.2	75	2.7	82	2.7	491	3.1
Nevada	3	0.1	10	0.4	8	0.3	10	0.4	8	0.3	12	0.4	51	0.3
New Hampshire	2	0.1	-	-	-	-	2	0.1	1	0.0	-	-	5	0.0
New Jersey	20	0.8	18	0.7	28	1.2	27	1.0	36	1.3	56	1.9	185	1.2
New Mexico	16	0.7	18	0.7	15	0.6	21	0.8	18	0.7	25	0.8	113	0.7
New York	105	4.3	113	4.6	96	4.0	102	4.0	105	3.8	139	4.7	660	4.2
North Carolina	19	0.8	19	0.8	21	0.9	27	1.0	36	1.3	28	0.9	150	1.0
North Dakota	34	1.4	33	1.4	28	1.2	28	1.1	23	0.8	24	0.8	170	1.1
Ohio	58	2.4	76	3.1	71	3.0	88	3.4	98	3.5	120	4.0	511	3.3
Oklahoma	50	2.0	37	1.5	32	1.3	52	2.0	47	1.7	61	2.0	279	1.8
Oregon	35	1.4	46	1.9	40	1.7	57	2.2	53	1.9	41	1.4	272	1.7
Pennsylvania	86	3.5	88	3.6	102	4.3	115	4.5	103	3.7	127	4.3	621	4.0
Rhode Island	1	0.0	-	-	-	-	-	-	-	-	1	0.0	2	0.0
South Carolina	18	0.7	17	0.7	22	0.9	24	0.9	30	1.1	28	0.9	139	0.9
South Dakota	39	1.6	28	1.1	24	1.0	21	0.8	14	0.5	22	0.7	148	0.9
Tennessee	44	1.8	42	1.7	63	2.6	56	2.2	68	2.5	66	2.2	339	2.2
Texas	239	9.7	182	7.4	223	9.3	266	10.3	260	9.4	274	9.2	1,444	9.2
Utah	19	0.8	35	1.4	21	0.9	38	1.5	33	1.2	38	1.3	184	1.2
Vermont	5	0.2	3	0.1	4	0.2	5	0.2	4	0.1	4	0.1	25	0.2
Virginia	31	1.3	54	2.2	46	1.9	44	1.7	48	1.7	44	1.5	267	1.7
Washington	85	3.5	49	2.0	46	1.9	35	1.4	38	1.4	41	1.4	294	1.9
West Virginia	19	0.8	28	1.1	23	1.0	25	1.0	28	1.0	15	0.5	138	0.9
Wisconsin	74	3.0	68	2.8	70	2.9	39	1.5	45	1.6	63	2.1	359	2.3
Wyoming	45	1.8	49	2.0	44	1.8	42	1.6	42	1.5	50	1.7	272	1.7
Total	2,459	100.0	2,443	100.0	2,397	100.0	2,575	100.0	2,768	100.0	2,983	100.0	15,625	100.0

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TABLE 1-9 CONSISTS TRANSPORTING HAZARDOUS MATERIAL, BY RAILROAD

Railroads	1995			1996			1997			1998			1999			2000		
	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls
Alton & Southern	1	1	-	3	2	-	1	1	-	-	-	-	-	-	-	1	1	-
Alaska RR Corp.	1	1	-	-	-	-	1	1	-	1	1	-	2	2	2	1	1	1
Amtrak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bangor & Aroostook	1	-	-	2	-	-	-	-	-	-	-	-	3	2	1	2	1	-
Bessemer & Lake Erie RR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Burlington Northern Santa Fe	157	61	7	132	57	5	122	54	3	144	73	6	210	91	10	253	120	7
Belt Rwy Of Chicago	12	3	-	12	7	-	10	7	-	2	1	-	13	5	1	3	3	-
Consolidated Rail Corp.	29	27	4	25	25	1	32	26	3	37	33	5	22	19	3	-	-	-
Conrail Shared Assets	-	-	-	-	-	-	-	-	-	-	-	-	4	4	-	9	6	-
CSX Transportation	31	21	3	47	28	5	62	33	4	99	43	9	110	53	4	116	58	6
Delaware & Hudson	1	1	-	-	-	-	-	-	-	1	1	1	6	1	-	4	3	1
Dakota,Minnesota & Eastern	-	-	-	1	-	-	-	-	-	1	1	-	-	-	-	-	-	-
Duluth,Missabe & Iron Range	-	-	-	1	1	-	-	-	-	1	-	-	-	-	-	-	-	-
Duluth,Winnipeg & Pacific	3	3	-	2	1	-	1	1	-	-	-	-	1	1	-	2	2	-
Elgin, Joliet & Eastern	2	2	-	4	3	-	2	-	-	3	-	-	3	1	-	1	1	-
Florida East Coast	1	-	-	2	-	-	4	1	-	1	-	-	3	-	-	3	1	-
Guilford Rail System	-	-	-	-	-	-	1	1	-	3	1	-	7	5	-	2	-	-
Grand Trunk Western RR	4	4	1	1	-	-	2	2	-	7	7	1	6	4	-	2	1	-
Gateway Western	1	1	-	5	4	-	1	1	1	4	1	-	2	2	-	3	1	-
Illinois Central	23	15	-	44	26	3	24	18	2	34	21	3	26	25	2	21	11	-
Indiana Harbor Belt	14	5	-	-	-	-	2	2	-	5	2	1	10	4	-	3	1	-
I & M Rail Link, LLC	-	-	-	-	-	-	8	3	-	11	2	1	12	6	2	15	7	1
Kansas City Southern	9	2	-	2	1	1	12	4	2	9	3	1	21	10	2	34	18	1
Long Island Rail Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MD Assn. of Rail Comm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mass Bay Transit Auth.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metro North Commuter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Montana Rail Link	12	5	1	14	5	1	14	8	-	6	2	-	11	7	2	7	5	-
Northern IN Comm Trans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeast IL Reg Comm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Jersey Transit Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Norfolk Southern Corp.	18	6	1	27	17	4	39	23	4	29	7	2	28	13	-	44	22	5
Paducah & Louisville	1	1	-	5	4	-	4	3	1	3	3	-	-	-	-	3	3	-
Port Auth Trans Hudson	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peninsula Comm San Mateo Cnty	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Terminal RR Assn	4	4	1	-	-	-	2	1	-	7	6	-	-	-	-	2	1	-
Southern CA Reg Rail Auth.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern PA Trans.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soo Line	31	15	1	16	10	1	11	4	-	9	5	2	15	4	-	6	3	1
Texas Mexican	-	-	-	2	-	-	2	1	1	2	2	-	4	1	1	6	-	-
Term RR Assn Of St. Louis	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-
Union Pacific	161	82	5	154	67	10	135	59	6	163	70	8	142	71	9	152	79	8
Union RR (Pittsburgh)	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Wisconsin Central Ltd.	25	8	-	17	9	1	10	1	-	3	-	-	11	1	-	20	5	2
Wheeling & Lake Erie	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-
Other Railroads	49	37	3	44	25	2	38	22	4	43	32	3	43	23	3	34	25	2
Total	596	308	27	562	292	34	540	277	31	628	317	43	716	356	42	753	381	35

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

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TABLE 1-10 CONSISTS TRANSPORTING HAZARDOUS MATERIAL, BY STATE

States	1995			1996			1997			1998			1999			2000		
	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls
Alabama	6	4	1	14	8	-	15	6	-	18	5	-	15	5	-	19	11	2
Alaska	1	1	-	-	-	-	1	1	-	1	1	-	2	2	2	1	1	1
Arizona	16	13	1	14	9	2	10	6	2	10	8	-	11	8	2	20	9	2
Arkansas	13	6	-	23	7	-	7	3	1	15	8	1	18	8	-	16	9	1
California	30	18	1	35	19	4	24	10	-	35	18	1	43	22	4	46	24	2
Colorado	9	6	-	12	4	1	4	2	-	17	7	-	16	3	-	14	7	-
Connecticut	-	-	-	-	-	-	1	1	1	-	-	-	4	1	1	-	-	-
Delaware	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
Dist Of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Florida	3	2	1	2	-	-	6	2	1	9	3	2	10	3	-	13	9	2
Georgia	10	3	-	8	4	1	12	5	-	11	3	-	6	3	1	8	3	1
Idaho	8	4	-	8	4	-	10	3	1	8	3	1	6	3	1	9	4	-
Illinois	72	24	2	69	35	2	52	31	3	46	28	5	68	33	5	54	32	1
Indiana	11	8	-	7	3	-	11	7	-	12	7	-	24	12	-	10	6	1
Iowa	21	9	-	14	9	2	23	11	1	15	5	1	23	8	2	17	10	1
Kansas	15	4	-	24	14	-	20	8	1	13	4	1	18	6	2	26	14	-
Kentucky	3	1	-	16	10	1	18	13	1	15	8	-	17	9	-	9	5	-
Louisiana	23	14	1	20	14	1	24	14	2	18	11	1	30	22	2	45	28	3
Maine	1	-	-	3	-	-	2	2	-	3	2	-	9	6	1	4	1	-
Maryland	1	1	-	2	1	1	5	4	1	3	-	-	5	2	-	9	3	-
Massachusetts	2	2	-	-	-	-	3	1	1	2	-	-	4	2	-	2	-	-
Michigan	9	5	1	4	3	-	7	4	-	14	9	1	7	3	-	14	7	-
Minnesota	16	11	-	11	6	1	11	3	-	17	7	-	20	7	-	22	14	1
Mississippi	14	8	-	13	5	1	10	4	1	8	3	1	11	6	2	15	8	-
Missouri	21	9	3	13	6	-	12	9	-	13	5	1	25	10	1	27	10	-
Montana	14	5	1	20	8	1	18	10	-	14	5	-	19	9	4	16	6	-
Nebraska	25	14	1	12	3	1	8	1	-	21	10	1	16	7	1	18	4	1
Nevada	-	-	-	3	2	-	1	-	-	7	3	1	1	1	-	2	1	-
New Hampshire	2	1	-	1	-	-	-	-	-	1	1	-	1	1	-	-	-	-
New Jersey	3	3	-	1	1	-	5	2	-	6	6	2	7	7	-	7	4	-
New Mexico	10	2	1	9	5	-	7	3	-	11	3	-	7	3	-	6	2	-
New York	7	5	2	7	7	1	5	5	2	7	6	1	17	10	1	21	14	2
North Carolina	4	2	-	9	8	2	6	3	1	7	4	-	13	8	1	7	5	2
North Dakota	6	3	1	7	2	-	2	1	-	6	3	1	6	5	-	6	2	-
Ohio	15	13	2	15	12	-	16	11	1	16	11	2	12	5	-	26	14	2
Oklahoma	20	9	2	10	5	-	4	2	1	12	7	-	14	6	-	19	10	-
Oregon	5	3	-	10	4	2	11	4	-	12	4	1	16	4	-	12	6	1
Pennsylvania	12	12	1	10	8	-	14	11	-	20	14	3	14	9	2	26	14	1
Rhode Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Carolina	3	2	-	6	5	1	4	1	-	9	6	2	11	6	-	8	5	-
South Dakota	-	-	-	1	-	-	2	1	-	3	1	-	-	-	-	-	-	-
Tennessee	13	6	-	18	11	2	23	13	2	32	9	3	26	16	1	25	11	-
Texas	76	42	5	58	26	3	83	43	3	91	55	4	86	46	4	92	40	4
Utah	6	1	-	5	2	-	6	5	1	10	6	-	5	4	1	4	3	1
Vermont	2	-	-	2	-	-	1	-	-	-	-	-	1	-	-	-	-	-
Virginia	3	1	-	6	5	1	5	3	1	7	3	1	6	1	-	3	2	-
Washington	26	10	-	6	2	-	14	2	-	14	7	1	14	6	-	20	7	-
West Virginia	7	6	-	3	1	-	2	1	1	4	2	2	3	3	-	1	-	-
Wisconsin	24	11	-	19	10	1	11	2	-	6	3	1	11	2	-	21	7	2
Wyoming	8	4	-	12	4	2	3	2	1	9	3	1	17	12	1	13	9	1
Total	596	308	27	562	292	34	540	277	31	628	317	43	716	356	42	753	381	35

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

Railroads	At Public Crossing						At Private Crossing					
	1995	1996	1997	1998	1999	2000	1995	1996	1997	1998	1999	2000
Alton & Southern	1	1	-	1	-	-	-	-	-	-	-	-
Alaska RR Corp.	3	5	4	3	2	7	-	1	1	1	1	-
Amtrak	138	132	150	145	158	168	16	18	26	25	23	34
Bangor & Aroostook	1	1	2	1	4	1	2	2	1	1	2	-
Bessemer & Lake Erie RR	-	2	5	1	-	-	1	-	-	-	-	-
Burlington Northern Santa Fe	667	528	537	462	446	437	105	104	74	79	82	99
Belt Rwy Of Chicago	5	-	2	1	1	-	-	-	-	-	-	-
Consolidated Rail Corp.	212	218	173	156	58	-	24	24	14	12	6	-
Conrail Shared Assets	-	-	-	-	11	20	-	-	-	-	2	2
CSX Transportation	553	446	432	378	383	441	43	35	37	43	42	49
Delaware & Hudson	7	6	9	2	3	6	6	2	3	-	3	1
Dakota,Minnesota & Eastern	17	10	19	14	11	10	1	1	2	-	-	1
Duluth,Missabe & Iron Range	1	3	2	1	2	1	-	1	-	-	-	-
Duluth,Winnipeg & Pacific	1	2	4	2	2	2	-	-	-	-	-	-
Elgin, Joliet & Eastern	9	7	3	6	6	4	6	2	2	2	1	1
Florida East Coast	26	28	20	17	20	13	-	-	-	1	2	1
Guilford Rail System	5	9	13	5	4	4	3	-	2	-	-	2
Grand Trunk Western RR	47	43	38	13	22	24	3	-	2	1	2	2
Gateway Western	6	7	6	5	4	5	1	2	-	-	-	1
Illinois Central	119	124	115	114	111	101	9	12	21	12	8	6
Indiana Harbor Belt	17	12	10	10	10	6	1	2	4	-	3	3
I & M Rail Link, LLC	-	-	16	37	30	38	-	-	4	5	4	7
Kansas City Southern	188	165	171	176	132	131	19	13	16	14	12	17
Long Island Rail Road	11	10	4	6	6	8	-	-	-	-	-	-
MD Assn. of Rail Comm	-	1	-	-	4	1	-	-	-	-	-	-
Mass Bay Transit Auth.	-	1	4	3	2	6	-	-	1	-	-	-
Metro North Commuter	4	7	2	5	2	1	-	2	1	1	1	-
Montana Rail Link	9	12	15	11	3	9	4	10	8	5	5	4
Northern IN Comm Trans	7	10	13	9	6	5	1	-	-	3	-	-
Northeast IL Reg Comm	15	21	15	11	20	18	3	2	1	1	1	1
New Jersey Transit Rail	6	12	10	8	7	6	2	-	-	-	-	-
Norfolk Southern Corp.	608	500	446	432	497	513	83	68	62	61	67	73
OTHE	338	368	318	302	324	279	27	36	44	48	51	59
Paducah & Louisville	4	4	9	11	6	9	1	-	2	1	-	1
Peninsula Comm San Mateo Cnty	-	-	-	2	5	4	-	-	-	-	-	-
Port Terminal RR Assn	5	4	4	3	-	3	4	1	1	2	1	5
Southern CA Reg Rail Auth.	12	10	8	8	8	8	-	-	1	-	2	-
Southeastern PA Trans.	4	1	1	1	1	4	-	-	-	-	-	-
Soo Line	73	77	49	45	43	25	12	8	6	4	8	10
Texas Mexican	2	4	12	12	7	13	-	-	-	1	-	2
Term RR Assn Of St. Louis	1	2	-	-	-	1	-	-	-	-	-	-
Union Pacific	919	871	680	590	656	602	96	115	103	91	69	83
Union RR (Pittsburgh)	-	-	1	-	-	-	-	2	-	-	-	-
Wisconsin Central Ltd.	93	105	81	68	66	90	5	5	11	6	1	6
Wheeling & Lake Erie	19	19	11	9	7	8	2	1	1	2	-	-
Total	4,153	3,788	3,414	3,086	3,090	3,032	480	469	451	422	399	470

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

States	At Public Crossing						At Private Crossing						At Public Crossing			At Private Crossing		
	1995	1996	1997	1998	1999	2000	1995	1996	1997	1998	1999	2000	Cnt	Kld	Nonf	Cnt	Kld	Nonf
Alabama	168	142	121	134	112	84	10	15	14	11	12	11	761	84	316	73	2	17
Alaska	3	5	4	3	2	7	-	1	1	1	1	-	24	1	8	4	-	-
Arizona	34	25	25	32	30	26	4	5	2	3	3	3	172	23	57	20	1	4
Arkansas	150	131	100	104	95	99	11	14	18	12	10	16	679	108	251	81	10	24
California	169	172	133	159	175	141	31	29	26	31	29	33	949	132	297	179	25	85
Colorado	53	25	24	25	28	31	6	8	4	7	5	5	186	25	74	35	6	13
Connecticut	6	9	4	8	6	4	-	3	2	2	2	4	37	4	13	13	-	2
Delaware	3	4	4	4	10	10	2	-	-	1	1	-	35	2	20	4	-	1
Dist Of Columbia	-	2	-	-	-	-	-	-	-	1	-	2	2	-	-	3	-	-
Florida	88	93	79	68	91	75	7	9	10	7	4	11	494	85	245	48	7	21
Georgia	147	136	124	119	125	119	13	19	14	21	11	9	770	72	251	87	6	32
Idaho	33	43	27	25	20	26	1	6	3	2	-	7	174	33	56	19	3	1
Illinois	268	210	191	177	178	196	27	22	22	22	24	21	1,220	219	527	138	10	34
Indiana	255	211	210	176	182	188	16	13	17	18	11	6	1,222	151	458	81	3	24
Iowa	118	114	90	90	92	99	5	9	16	14	7	10	603	41	231	61	7	18
Kansas	92	101	99	62	74	58	9	12	10	9	3	9	486	67	193	52	5	10
Kentucky	87	69	49	59	49	57	16	8	16	14	13	12	370	23	141	79	6	23
Louisiana	205	213	179	192	164	162	18	18	24	22	16	19	1,115	136	542	117	12	54
Maine	6	6	10	7	5	5	5	2	2	1	2	3	39	-	12	15	1	1
Maryland	11	9	16	11	16	12	1	1	2	4	2	7	75	2	23	17	-	2
Massachusetts	13	19	14	3	9	11	1	3	4	2	1	1	69	7	34	12	-	2
Michigan	126	136	144	96	111	128	7	6	8	8	11	6	741	72	367	46	3	22
Minnesota	139	132	110	108	92	84	13	25	6	8	10	7	665	66	240	69	7	16
Mississippi	146	120	133	124	126	107	13	12	15	9	8	6	756	114	347	63	7	24
Missouri	113	107	89	72	88	67	15	20	23	15	11	21	536	86	206	105	10	25
Montana	13	23	18	19	11	14	6	11	11	8	8	10	98	13	40	54	4	8
Nebraska	71	54	62	49	55	46	15	9	6	10	9	9	337	48	109	58	3	8
Nevada	5	6	-	1	3	1	3	1	1	3	3	1	16	3	7	12	4	3
New Hampshire	4	1	2	2	6	3	1	1	-	-	-	-	18	-	3	2	1	-
New Jersey	20	27	33	16	21	34	4	4	1	1	3	2	151	30	43	15	1	10
New Mexico	15	23	17	14	15	13	3	3	3	3	4	4	97	24	55	20	2	5
New York	42	31	27	25	24	33	10	5	10	4	7	8	182	24	60	44	7	14
North Carolina	122	112	103	93	77	94	13	11	11	16	22	19	601	44	202	92	14	44
North Dakota	34	30	19	20	15	16	4	3	2	3	2	1	134	23	45	15	2	5
Ohio	220	174	172	142	127	138	19	12	6	12	19	10	973	121	320	78	6	13
Oklahoma	108	75	109	60	77	83	5	5	8	6	7	6	512	98	257	37	1	13
Oregon	29	28	25	30	22	21	6	15	10	14	8	9	155	14	33	62	10	6
Pennsylvania	70	64	58	58	49	59	10	10	9	5	9	10	358	28	106	53	5	15
Rhode Island	1	-	1	1	-	-	-	-	-	-	-	-	3	-	1	-	-	-
South Carolina	99	83	72	75	61	67	12	4	2	3	3	13	457	47	208	37	3	4
South Dakota	41	20	22	14	15	8	-	-	1	1	-	3	120	6	48	5	-	1
Tennessee	91	113	78	90	87	80	10	10	10	14	3	10	539	53	159	57	7	11
Texas	423	391	368	288	322	327	51	43	53	34	43	61	2,119	260	975	285	48	123
Utah	30	31	25	23	18	15	3	4	2	1	1	3	142	33	48	14	-	3
Vermont	3	3	1	3	5	2	1	3	-	1	1	-	17	1	6	6	-	3
Virginia	57	50	37	36	35	34	19	20	19	15	20	20	249	12	83	113	7	40
Washington	50	51	57	48	39	24	33	18	7	11	12	21	269	20	65	102	7	21
West Virginia	33	17	19	21	19	14	7	5	6	2	12	6	123	7	32	38	4	10
Wisconsin	132	144	106	97	104	110	8	6	11	8	5	12	693	46	307	50	7	13
Wyoming	7	3	4	3	3	-	6	6	3	2	1	3	20	1	9	21	3	4
Total	4,153	3,788	3,414	3,086	3,090	3,032	480	469	451	422	399	470	20,563	2509	8130	2,691	277	832

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

Railroads	Fatalities						Nonfatal					
	1995	1996	1997	1998	1999	2000	1995	1996	1997	1998	1999	2000
Alton & Southern	-	-	-	-	-	-	-	1	-	1	-	-
Alaska RR Corp.	-	-	1	-	-	-	5	-	-	2	1	-
Amtrak	63	41	53	50	52	56	70	66	123	125	146	90
Bangor & Aroostook	-	-	-	-	-	-	2	1	-	-	2	-
Bessemer & Lake Erie RR	-	-	1	-	-	-	-	-	5	1	-	-
Burlington Northern Santa Fe	128	107	85	96	59	65	280	197	209	183	237	202
Belt Rwy Of Chicago	-	-	1	-	-	-	1	-	2	-	-	-
Consolidated Rail Corp.	36	25	23	14	8	-	52	97	58	39	19	-
Conrail Shared Assets	-	-	-	-	1	1	-	-	-	-	2	10
CSX Transportation	71	42	59	55	54	55	269	196	213	161	189	212
Delaware & Hudson	2	-	2	-	1	1	4	2	6	-	4	4
Dakota,Minnesota & Eastern	1	1	-	-	-	-	11	6	1	2	3	4
Duluth,Missabe & Iron Range	-	-	-	-	-	-	-	1	1	1	2	1
Duluth,Winnipeg & Pacific	-	-	3	1	1	-	2	2	-	1	-	-
Elgin, Joliet & Eastern	-	-	-	-	2	-	5	2	2	1	2	-
Florida East Coast	6	5	5	1	5	7	7	10	9	8	12	6
Guilford Rail System	1	-	1	-	-	-	-	3	2	2	2	1
Grand Trunk Western RR	3	9	7	4	3	1	28	20	33	9	4	10
Gateway Western	-	3	-	1	-	2	1	-	4	1	1	3
Illinois Central	7	11	13	13	10	14	60	67	66	51	64	55
Indiana Harbor Belt	-	-	-	-	-	1	8	7	6	2	-	3
I & M Rail Link, LLC	-	-	2	2	2	5	-	-	8	26	11	15
Kansas City Southern	13	24	22	25	15	19	98	69	82	88	57	57
Long Island Rail Road	4	3	3	2	1	1	2	6	2	3	2	3
MD Assn. of Rail Comm	-	-	-	-	-	-	-	4	-	-	-	-
Mass Bay Transit Auth.	-	-	1	1	-	1	-	22	1	-	-	1
Metro North Commuter	-	1	-	-	-	-	5	3	-	-	3	1
Montana Rail Link	1	3	1	-	2	3	3	5	8	6	3	-
Northern IN Comm Trans	-	1	-	3	1	-	-	1	2	2	-	-
Northeast IL Reg Comm	4	2	2	1	2	3	4	13	9	8	6	-
New Jersey Transit Rail	5	2	7	5	4	3	-	2	1	2	1	-
Norfolk Southern Corp.	72	49	46	44	51	59	227	192	187	140	187	129
Paducah & Louisville	-	-	-	-	-	-	2	-	6	1	1	2
Peninsula Comm San Mateo Cnty	-	-	-	-	1	2	-	-	-	1	6	3
Port Terminal RR Assn	-	-	-	1	1	-	2	4	3	2	-	2
Southern CA Reg Rail Auth.	4	3	2	4	2	1	4	1	-	-	2	2
Southeastern PA Trans.	-	-	1	-	-	-	1	1	3	-	1	3
Soo Line	7	6	2	5	4	2	32	31	26	22	19	19
Texas Mexican	-	-	-	1	-	1	-	-	4	9	3	7
Term RR Assn Of St. Louis	-	-	-	-	-	-	-	2	-	-	-	-
Union Pacific	136	133	103	89	101	101	499	376	325	262	281	244
Wisconsin Central Ltd.	5	3	3	5	6	9	55	45	42	38	36	43
Wheeling & Lake Erie	-	1	2	-	-	-	11	10	3	1	4	3
Other Railroads	10	13	10	8	13	12	144	145	88	102	83	84
Total	579	488	461	431	402	425	1,894	1,610	1,540	1,303	1,396	1,219

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

States	Fatalities						Nonfatal						6 Year Total	
	1995	1996	1997	1998	1999	2000	1995	1996	1997	1998	1999	2000	Kid	Nonf
Alabama	16	18	19	11	12	10	86	70	58	46	34	39	86	333
Alaska	-	-	1	-	-	-	5	-	-	2	1	-	1	8
Arizona	2	4	5	4	1	8	11	5	12	9	11	13	24	61
Arkansas	22	20	10	24	15	27	73	39	44	45	37	36	118	274
California	28	24	22	32	24	27	70	56	65	64	73	54	157	382
Colorado	11	5	2	4	3	6	32	13	6	13	15	8	31	87
Connecticut	1	-	-	1	-	2	4	3	1	4	3	-	4	15
Delaware	-	-	1	-	1	-	1	2	2	3	6	7	2	21
Florida	23	16	12	7	19	15	53	36	42	30	38	67	92	266
Georgia	17	19	12	13	7	10	68	44	57	35	41	38	78	283
Idaho	7	6	6	4	2	11	15	15	6	14	6	1	36	57
Illinois	48	39	27	30	54	31	139	88	85	67	114	68	229	561
Indiana	29	28	23	25	26	23	91	81	112	80	63	55	154	482
Iowa	9	8	12	3	10	6	67	38	55	30	28	31	48	249
Kansas	15	13	16	9	8	11	47	40	28	30	39	18	72	202
Kentucky	7	3	5	5	4	5	48	24	26	20	26	20	29	164
Louisiana	28	31	30	25	20	14	105	119	111	101	71	88	148	595
Maine	-	-	-	-	-	1	3	2	2	3	2	1	1	13
Maryland	-	-	-	-	1	1	6	7	7	2	1	2	2	25
Massachusetts	1	-	2	1	2	1	1	27	1	-	3	4	7	36
Michigan	5	17	14	11	15	13	70	85	89	46	48	51	75	389
Minnesota	19	14	7	14	13	6	32	48	32	47	57	40	73	256
Mississippi	31	15	19	24	17	15	51	69	61	63	83	44	121	371
Missouri	22	19	15	14	9	17	56	36	33	25	54	27	96	231
Montana	4	3	1	4	4	1	4	14	11	11	6	2	17	48
Nebraska	8	9	9	11	7	7	28	21	13	19	23	14	51	118
Nevada	5	1	-	1	-	-	2	5	-	2	1	-	7	10
New Hampshire	-	1	-	-	-	-	2	-	-	-	1	-	1	3
New Jersey	5	2	9	5	5	5	3	15	14	4	7	10	31	53
New Mexico	5	7	6	5	3	-	11	19	6	6	7	11	26	60
New York	9	4	7	2	4	5	14	14	14	6	12	14	31	74
North Carolina	11	9	6	15	3	14	40	53	50	48	30	25	58	246
North Dakota	7	4	1	6	1	6	18	13	7	7	3	2	25	50
Ohio	36	14	26	15	21	15	82	63	46	45	59	38	127	333
Oklahoma	15	22	24	12	14	12	64	38	56	39	26	47	99	270
Oregon	12	1	4	5	2	-	5	5	2	9	5	13	24	39
Pennsylvania	12	3	5	1	4	8	13	25	26	21	19	17	33	121
Rhode Island	-	-	-	-	-	-	1	-	-	-	-	-	-	1
South Carolina	6	6	14	6	8	10	63	39	27	32	27	24	50	212
South Dakota	4	2	-	-	-	-	15	9	8	6	6	5	6	49
Tennessee	13	9	12	14	4	8	32	26	24	26	36	26	60	170
Texas	55	61	54	45	41	52	229	175	198	158	176	164	308	1,100
Utah	7	11	3	5	5	2	15	7	8	6	8	7	33	51
Vermont	-	1	-	-	-	-	3	5	-	-	1	-	1	9
Virginia	6	4	2	2	2	3	22	22	15	17	26	21	19	123
Washington	4	6	7	6	3	1	21	18	23	5	9	10	27	86
West Virginia	1	2	4	2	1	1	10	6	4	5	9	8	11	42
Wisconsin	13	5	6	7	7	15	61	66	53	48	43	49	53	320
Wyoming	-	2	1	1	-	-	2	5	-	4	2	-	4	13
Total	579	488	461	431	402	425	1,894	1,610	1,540	1,303	1,396	1,219	2,786	8,962

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TABLE 1-15 TRESPASSER CASUALTIES BY RAILROAD, NOT AT HIGHWAY-RAIL CROSSINGS

Railroads	Fatalities						Nonfatal						6 Year Total	
	1995	1996	1997	1998	1999	2000	1995	1996	1997	1998	1999	2000	Kld	Nonf
Alaska RR Corp.	1	1	-	1	-	-	1	2	-	-	-	-	3	3
Amtrak	59	56	57	67	51	70	6	14	32	30	25	18	360	125
Bessemer & Lake Erie RR	-	-	-	-	-	-	-	-	-	-	-	-	2	2
Burlington Northern Santa Fe	81	60	85	104	63	77	85	77	68	70	53	57	470	410
Consolidated Rail Corp.	9	4	33	23	6	-	19	5	38	30	9	-	75	101
Conrail Shared Assets	-	-	-	-	1	-	-	-	-	-	1	3	1	4
CSX Transportation	60	51	47	64	64	61	45	54	47	55	47	58	347	306
Delaware & Hudson	2	1	2	-	2	3	3	1	2	2	2	2	10	12
Dakota, Minnesota & Eastern	-	-	1	-	-	-	-	1	2	-	1	-	1	4
Duluth, Winnipeg & Pacific	-	-	-	1	-	-	-	-	-	-	-	-	1	-
Florida East Coast	12	17	14	9	10	15	19	9	13	16	7	13	77	77
Guilford Rail System	1	-	3	2	2	3	2	-	6	3	1	-	11	12
Grand Trunk Western RR	3	2	2	-	-	3	4	4	1	-	2	2	10	13
Gateway Western	-	-	1	1	1	2	-	1	1	-	-	1	5	3
Illinois Central	1	6	4	2	6	3	13	5	7	4	2	10	22	41
Indiana Harbor Belt	3	1	2	-	-	-	5	2	2	1	2	2	6	14
I & M Rail Link, LLC	-	-	-	-	2	1	-	-	-	2	2	1	3	5
Kansas City Southern	6	2	4	4	5	5	5	8	6	11	3	9	26	42
Long Island Rail Road	13	6	14	6	4	4	9	16	37	10	3	9	47	84
MD Assn. of Rail Comm	-	-	-	-	2	2	-	1	-	1	1	-	4	3
Mass Bay Transit Auth.	-	6	9	1	5	10	-	3	-	1	1	5	31	10
Metro North Commuter	14	2	6	4	5	4	5	4	3	2	3	1	35	18
Montana Rail Link	1	2	3	-	1	-	3	1	1	-	1	-	7	6
Northern IN Comm Trans	1	-	1	-	-	-	-	-	1	-	-	-	2	1
Northeast IL Reg Comm	5	5	5	4	5	2	3	4	2	9	10	6	26	34
New Jersey Transit Rail	25	14	15	18	13	17	9	3	5	2	3	4	102	26
Norfolk Southern Corp.	49	57	54	63	47	56	57	67	56	58	50	41	326	329
Paducah & Louisville	1	1	-	1	-	-	1	1	1	1	-	1	3	5
Port Auth Trans Hudson	1	-	-	-	-	-	-	-	1	2	-	-	1	3
Peninsula Comm San Mateo Cnty	-	3	6	3	2	12	-	-	1	6	1	-	26	8
Port Terminal RR Assn	1	-	-	-	-	-	-	-	1	-	1	1	1	3
Southern CA Reg Rail Auth.	2	2	6	2	-	-	2	-	1	1	-	-	12	4
Southeastern PA Trans.	1	5	4	3	6	3	4	2	6	12	7	2	22	33
Soo Line	2	4	3	1	3	1	8	6	1	6	1	1	14	23
Texas Mexican	1	-	-	-	-	-	-	1	1	1	1	1	1	5
Term RR Assn Of St. Louis	-	-	-	-	-	-	-	1	-	-	-	-	-	1
Union Pacific	125	152	139	146	165	95	121	159	155	151	192	141	822	919
Wisconsin Central Ltd.	5	1	3	1	-	2	6	7	7	3	1	6	12	30
Wheeling & Lake Erie	-	-	-	-	1	-	-	2	-	-	-	-	1	2
Other Railroads	9	10	10	5	7	12	26	13	11	23	12	17	53	102
Total	494	471	533	536	479	463	461	474	516	513	445	414	2,976	2,823

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TABLE 1-16 TRESPASSER CASUALTIES BY STATE, NOT AT HIGHWAY-RAIL CROSSINGS

States	Fatalities						Nonfatal						6 Year Total	
	1995	1996	1997	1998	1999	2000	1995	1996	1997	1998	1999	2000	Kld	Nonf
Alabama	7	7	9	13	6	10	5	12	11	5	6	7	52	46
Alaska	1	1	-	1	-	-	1	2	-	1	-	-	3	4
Arizona	14	16	18	15	14	15	9	9	3	10	15	14	92	60
Arkansas	-	5	1	12	10	2	4	6	8	7	7	5	30	37
California	73	68	81	79	86	72	43	45	38	56	44	45	459	271
Colorado	2	5	7	8	6	4	7	4	11	10	8	4	32	44
Connecticut	6	3	7	3	10	4	1	4	2	1	2	-	33	10
Delaware	-	1	-	1	1	2	-	1	-	1	1	-	5	3
Dist Of Columbia	1	-	-	1	-	-	-	-	1	1	-	1	2	3
Florida	25	23	24	23	24	29	29	14	22	35	18	20	148	138
Georgia	12	8	11	16	11	11	14	18	9	17	12	5	69	75
Idaho	3	1	-	4	2	-	2	1	4	4	1	-	10	12
Illinois	36	32	44	34	32	31	38	30	28	24	29	26	209	175
Indiana	7	7	11	5	5	11	8	6	4	10	8	5	46	41
Iowa	4	4	2	3	6	2	4	6	7	6	4	8	21	35
Kansas	2	5	2	7	4	9	2	5	4	9	9	7	29	36
Kentucky	12	8	17	5	1	8	12	14	7	12	9	8	51	62
Louisiana	8	6	5	7	8	2	18	9	16	11	8	14	36	76
Maine	-	-	1	1	-	1	2	-	6	-	-	-	3	8
Maryland	9	7	4	4	10	7	6	2	2	7	6	5	41	28
Massachusetts	8	11	16	4	10	16	3	4	3	8	3	5	65	26
Michigan	6	10	7	5	5	9	6	7	14	7	5	11	42	50
Minnesota	5	4	6	8	10	5	9	5	3	10	9	5	38	41
Mississippi	1	2	3	3	8	2	5	3	1	6	4	-	19	19
Missouri	7	10	6	19	7	11	8	9	7	7	13	8	60	52
Montana	5	5	6	3	-	2	6	3	2	-	2	1	21	14
Nebraska	2	5	4	2	4	1	3	6	4	4	5	4	18	26
Nevada	3	2	2	5	4	1	1	1	4	4	3	4	17	17
New Hampshire	-	-	-	1	-	-	-	-	-	6	-	-	1	6
New Jersey	25	16	18	23	14	21	12	4	9	3	5	11	117	44
New Mexico	9	5	11	7	5	4	4	12	7	8	9	6	41	46
New York	33	16	32	25	18	24	22	20	54	23	16	26	148	161
North Carolina	18	16	19	24	21	10	9	19	22	14	12	11	108	87
North Dakota	2	1	1	1	2	2	3	3	-	2	1	1	9	10
Ohio	7	12	15	12	14	12	10	10	14	21	8	9	72	72
Oklahoma	2	6	6	7	7	10	2	13	11	5	9	7	38	47
Oregon	8	5	12	15	8	9	6	14	8	10	5	14	57	57
Pennsylvania	11	14	21	16	15	14	16	8	26	28	15	11	91	104
Rhode Island	-	1	4	2	1	1	-	-	-	1	-	-	9	1
South Carolina	9	12	5	17	8	9	3	6	9	6	6	7	60	37
South Dakota	1	-	1	-	-	2	-	1	2	-	1	6	4	10
Tennessee	9	11	8	10	12	6	10	9	11	5	4	1	56	40
Texas	54	60	38	50	42	34	67	89	78	78	90	56	278	458
Utah	3	3	3	1	2	3	5	5	5	1	1	3	15	20
Vermont	1	-	-	1	-	1	-	-	-	2	-	-	3	2
Virginia	9	14	9	10	8	8	10	8	8	3	10	4	58	43
Washington	21	13	17	13	13	14	22	10	16	7	10	15	91	80
West Virginia	6	3	7	5	1	8	6	9	5	6	8	10	30	44
Wisconsin	6	4	11	4	2	4	8	8	10	9	4	4	31	43
Wyoming	1	3	1	1	2	-	-	-	-	2	-	-	8	2
Total	494	471	533	536	479	463	461	474	516	513	445	414	2,976	2,823

CHAPTER 2

CURRENT YEAR SUMMARY OF ACCIDENTS/INCIDENTS AND RATES

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

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

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

Part 225 covers any and all activities of a railroad related to the performance of its rail transportation business. "Railroad transportation" means any form of non-highway ground transportation that run on rails or electro-magnetic guideways, including (1) commuter or other short-haul railroad passenger service in a metropolitan or suburban area, as well as any commuter railroad service that was operated by the Consolidated Rail Corporation as of January

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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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CHAPTER 2

CURRENT YEAR SUMMARY OF ACCIDENTS/INCIDENTS AND RATES

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TABLE 2-1 ACCIDENTS/INCIDENTS, BY MONTH, 2000

Months	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
January	1,515	88	1,032	253	3	11	352	54	118	910	31	903
February	1,293	47	882	247	1	16	282	23	109	764	23	757
March	1,340	61	993	260	-	67	265	33	128	815	28	798
April	1,221	74	793	232	-	4	225	32	59	764	42	730
May	1,415	87	965	254	-	12	269	31	99	892	56	854
June	1,473	83	1,055	237	1	14	266	39	102	970	43	939
July	1,459	97	1,001	265	-	14	299	46	122	895	51	865
August	1,560	93	1,120	247	3	48	311	41	91	1,002	49	981
September	1,422	83	997	247	-	29	271	35	98	904	48	870
October	1,431	89	965	258	2	13	266	28	84	907	59	868
November	1,255	68	795	233	-	12	302	33	74	720	35	709
December	1,535	67	1,045	250	-	35	394	30	135	891	37	875
Total	16,919	937	11,643	2,983	10	275	3,502	425	1,219	10,434	502	10,149

TABLE 2-2 ACCIDENT/INCIDENT RATES, BY MONTH, 2000

Months	Total Accidents/ Incidents	Train Accidents	Employee On Duty	Highway-rail Crossing	Other Events	Trespasser	Passenger On Trains	Passenger Train	Yard Track	Other Track
January	15.14	4.25	3.60	5.92	9.09	1.09	3.61	1.44	18.09	2.29
February	13.09	4.21	3.15	4.81	7.74	0.65	4.24	1.50	19.53	2.04
March	12.54	4.10	3.23	4.18	7.62	0.84	6.01	0.69	20.08	1.89
April	12.27	3.87	3.01	3.75	7.68	1.22	3.50	0.88	17.11	2.03
May	13.83	4.25	3.35	4.50	8.72	1.54	3.84	1.63	17.33	2.32
June	14.51	3.97	3.81	4.46	9.55	1.32	3.01	1.25	16.71	2.15
July	14.60	4.42	3.51	4.99	8.96	1.43	3.69	1.11	20.83	2.18
August	14.54	3.86	3.70	4.86	9.34	1.50	5.52	1.32	17.32	2.02
September	14.14	4.10	3.64	4.50	8.99	1.61	3.10	1.27	17.75	2.23
October	13.68	4.16	3.41	4.29	8.67	1.48	3.69	1.17	18.30	2.16
November	12.76	3.96	2.97	5.13	7.32	0.99	4.98	1.41	17.35	2.11
December	16.33	4.40	3.92	6.93	9.48	0.84	3.95	1.54	18.15	2.45
Total	13.94	4.13	3.44	4.84	8.60	1.21	4.10	1.27	18.21	2.15

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TABLE 2-3 ACCIDENTS/INCIDENTS, BY RAILROAD GROUP, 2000

Groups	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
I	11,775	778	7,655	2,292	6	196	2,815	372	1,018	6,668	400	6,441
II	3,448	126	2,797	403	3	37	348	41	117	2,697	82	2,643
III	1,696	33	1,191	288	1	42	339	12	84	1,069	20	1,065
All	16,919	937	11,643	2,983	10	275	3,502	425	1,219	10,434	502	10,149

TABLE 2-4 OPERATIONAL DATA, BY RAILROAD GROUP, 2000

Groups	Train Miles	Freight Train Miles	Passenger Train Miles	Yard Switching Train Miles	Other Train Miles	Employee Hours	Passengers Carried
I	620,638,084	512,570,509	37,407,869	70,653,906	5,800	386,625,835	62,468,730
II	76,891,429	23,155,100	42,992,890	10,695,685	47,754	79,113,500	420,631,612
III	25,347,119	13,657,301	3,886,912	7,569,495	233,411	25,186,989	18,649,819
All	722,876,632	549,382,910	84,287,671	88,919,086	286,965	490,926,324	501,750,161

TABLE 2-5 ACCIDENT/INCIDENT RATES, BY RAILROAD GROUP, 2000

Groups	Total Accidents/Incidents	Train Accidents	Employee On Duty	Highway-rail Crossing	Other Events	Trespasser	Passenger On Trains	Passenger Train	Yard Track	Other Track
I	11.69	3.69	2.84	4.54	6.62	1.14	5.28	1.31	18.51	1.79
II	22.10	5.24	5.03	4.53	17.29	1.79	3.21	1.30	18.89	3.04
III	33.56	11.36	7.60	13.37	21.15	1.22	3.90	0.51	14.40	10.07
Tot	13.94	4.13	3.44	4.84	8.60	1.21	4.10	1.27	18.21	2.15

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TABLE 2-6 ACCIDENTS/INCIDENTS, BY RAILROAD, 2000

	Group - Railroads	Total			Train Accidents			HRC Incidents			Other Incidents		
		Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
1	Amtrak	1,603	131	1,412	148	-	106	202	56	90	1,253	75	1,216
	Burlington Northern Santa Fe	2,409	151	1,493	573	3	28	536	65	202	1,300	83	1,263
	CSX Transportation	2,115	124	1,324	484	2	16	490	55	212	1,141	67	1,096
	Grand Trunk Western RR	156	4	120	20	-	3	26	1	10	110	3	107
	Illinois Central	346	17	225	71	-	4	107	14	55	168	3	166
	Kansas City Southern	329	24	143	94	-	3	148	19	57	87	5	83
	Norfolk Southern Corp.	1,546	118	778	275	-	9	586	59	129	685	59	640
	Soo Line	207	5	166	23	-	-	35	2	19	149	3	147
	Union Pacific	3,218	204	1,994	758	1	27	685	101	244	1,775	102	1,723
2	Alton & Southern	28	-	22	6	-	-	-	-	-	22	-	22
	Alaska RR Corp.	56	1	50	2	-	-	7	-	-	47	1	50
	Bangor & Aroostook	33	-	26	6	-	-	1	-	-	26	-	26
	Bessemer & Lake Erie RR	9	-	7	2	-	-	-	-	-	7	-	7
	Belt Rwy Of Chicago	25	-	5	20	-	-	-	-	-	5	-	5
	Conrail Shared Assets	105	1	56	40	-	2	22	1	10	43	-	44
	Delaware & Hudson	64	4	49	9	-	-	7	1	4	48	3	45
	Dakota,Minnesota & Eastern	51	1	22	23	1	1	11	-	4	17	-	17
	Duluth,Missabe & Iron Range	45	-	38	7	-	-	1	-	1	37	-	37
	Duluth,Winnipeg & Pacific	9	-	3	4	-	-	2	-	-	3	-	3
	Elgin, Joliet & Eastern	47	-	32	10	-	-	5	-	-	32	-	32
	Florida East Coast	87	22	46	18	-	-	14	7	6	55	15	40
	Guilford Rail System	46	3	29	9	-	-	6	-	1	31	3	28
	Gateway Western	21	4	7	9	-	-	6	2	3	6	2	4
	Indiana Harbor Belt	76	2	43	26	-	-	9	1	3	41	1	40
	I & M Rail Link, LLC	133	6	68	37	-	3	45	5	15	51	1	50
	Long Island Rail Road	432	7	414	18	-	4	8	1	3	406	6	407
	Mass Bay Transit Auth.	118	11	103	1	-	-	6	1	1	111	10	102
	Metro North Commuter	513	4	476	38	1	4	1	-	1	474	3	471
	Montana Rail Link	47	3	22	13	-	1	13	3	-	21	-	21
	Northern IN Comm Trans	31	-	25	1	-	-	5	-	-	25	-	25
	Northeast IL Reg Comm	296	5	283	5	-	3	19	3	-	272	2	280
	New Jersey Transit Rail	212	21	174	17	-	1	6	3	-	189	18	173
	Paducah & Louisville	27	-	16	3	-	-	10	-	2	14	-	14
	Port Auth Trans Hudson	201	1	199	2	-	-	-	-	-	199	1	199
	Peninsula Comm San Mateo Cnty	40	14	25	2	-	-	4	2	3	34	12	22
	Port Terminal RR Assn	29	-	11	13	-	1	8	-	2	8	-	8
	Southern CA Reg Rail Auth.	38	1	31	1	-	-	8	1	2	29	-	29
	Southeastern PA Trans.	289	3	279	16	1	9	4	-	3	269	2	267
	Texas Mexican	44	1	27	9	-	-	15	1	7	20	-	20
	Term RR Assn Of St. Louis	16	-	8	7	-	-	1	-	-	8	-	8
	Union RR (Pittsburgh)	28	-	21	7	-	-	-	-	-	21	-	21
	Wisconsin Central Ltd.	254	11	161	48	-	8	96	9	43	110	2	110
	Wheeling & Lake Erie	32	-	19	8	-	-	8	-	3	16	-	16
3	Other Railroads	1,742	33	1,191	334	1	42	339	12	84	1,069	20	1,065

Highway-Rail Counts Are Excluded From Other Categories

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TABLE 2-7 ACCIDENT/INCIDENT RATES, BY RAILROAD, 2000

Group - Railroads		Total Rate	Train Acc Rate	EOD Rate	HRC Rate	Other Events	Tres Rate	Psgr Rate	Psgr Train Rate	Yard Rate	Other Track Rate
1	Amtrak	19.57	4.10	4.01	5.60	15.30	2.44	5.33	1.41	34.60	2.24
	Burlington Northern Santa Fe	9.97	3.57	2.61	3.34	5.38	0.83	3.65	1.07	20.69	1.92
	CSX Transportation	11.53	4.23	2.89	4.29	6.22	1.04	.	.	17.76	1.75
	Grand Trunk Western RR	17.10	3.71	5.79	4.82	12.06	0.93	.	.	5.95	2.96
	Illinois Central	17.43	6.13	3.85	9.23	8.46	1.12	.	.	15.60	3.52
	Kansas City Southern	24.30	11.84	2.75	18.65	6.43	1.76	.	.	52.96	5.65
	Norfolk Southern Corp.	9.42	2.87	1.46	6.12	4.18	1.01	.	.	10.07	1.57
	Soo Line	14.80	2.80	5.08	4.27	10.66	0.24	.	.	9.43	0.65
	Union Pacific	11.51	4.19	3.10	3.79	6.35	1.31	5.57	.	27.54	2.05
2	Alton & Southern	19.53	7.80	6.62	.	15.35	.	.	.	7.80	.
	Alaska RR Corp.	21.16	1.49	6.13	5.22	17.76	.	10.01	5.73	.	2.18
	Bangor & Aroostook	19.04	5.41	8.33	0.90	15.00	.	.	.	18.36	4.74
	Bessemer & Lake Erie RR	7.52	8.00	1.06	.	5.85	8.00	.	.	106.65	.
	Belt Rwy Of Chicago	14.57	43.56	0.80	.	2.91	.	.	.	45.55	31.29
	Conrail Shared Assets	16.46	15.59	1.68	8.57	6.74	1.17	.	.	12.69	27.04
	Delaware & Hudson	15.34	3.72	4.57	2.89	11.51	2.07	.	.	7.78	2.95
	Dakota,Minnesota & Eastern	33.30	28.63	5.22	13.69	11.10	.	.	.	89.64	21.01
	Duluth,Missabe & Iron Range	21.84	9.60	5.56	1.37	17.96	.	.	.	27.16	6.46
	Duluth,Winnipeg & Pacific	8.04	5.70	1.44	2.85	2.68	.	.	.	241.37	.
	Elgin, Joliet & Eastern	21.76	15.37	4.24	7.69	14.82	.	.	.	22.57	10.40
	Florida East Coast	19.25	6.27	3.15	4.88	12.17	9.75	.	.	22.36	2.57
	Guilford Rail System	15.78	9.06	2.91	6.04	10.64	3.02	.	.	22.79	5.17
	Gateway Western	14.80	10.37	0.73	6.91	4.23	3.46	.	.	24.36	4.83
	Indiana Harbor Belt	23.23	17.00	4.25	5.89	12.53	1.31	.	.	.	1.31
	I & M Rail Link, LLC	40.25	18.56	7.78	22.58	15.43	1.00	.	.	48.45	13.07
	Long Island Rail Road	20.82	2.19	5.59	0.97	19.57	1.58	0.77	0.73	.	1.10
	Mass Bay Transit Auth.	16.06	0.26	4.50	1.58	15.11	3.96	2.02	.	.	0.26
	Metro North Commuter	27.44	4.63	7.00	0.12	25.35	0.61	1.30	3.41	.	4.02
	Montana Rail Link	8.74	3.75	2.19	3.75	3.90	.	.	.	15.20	2.00
	Northern IN Comm Trans	18.77	1.14	6.46	5.69	15.14	.	.	1.31	.	.
	Northeast IL Reg Comm	33.44	1.39	5.03	5.28	30.73	2.22	9.20	0.57	24.50	0.85
	New Jersey Transit Rail	13.06	2.02	3.61	0.71	11.65	2.49	1.53	0.48	116.06	1.20
	Paducah & Louisville	22.54	5.07	4.29	16.90	11.69	1.69	.	.	21.50	.
	Port Auth Trans Hudson	51.81	0.99	11.32	.	51.29	.	6.21	.	7.57	.
	Peninsula Comm San Mateo Cnty	20.39	1.81	5.15	3.61	17.33	10.84	.	0.94	.	1.87
	Port Terminal RR Assn	15.31	10.51	2.44	6.47	4.22	0.81	.	.	7.28	.
	Southern CA Reg Rail Auth.	16.24	0.57	4.72	4.58	12.40	.	0.37	.	.	.
	Southeastern PA Trans.	32.76	2.96	8.30	0.74	30.49	0.93	23.98	2.41	.	2.96
	Texas Mexican	32.77	10.26	8.60	17.09	14.90	1.14	.	.	.	13.63
Term RR Assn Of St. Louis	12.44	10.44	2.27	1.49	6.22	.	.	.	4.47	.	
Union RR (Pittsburgh)	36.54	50.96	6.68	.	27.40	.	.	.	21.84	.	
Wisconsin Central Ltd.	24.20	8.27	4.35	16.54	10.48	1.38	.	.	17.86	5.38	
Wheeling & Lake Erie	20.78	12.11	3.64	12.11	10.39	.	.	.	19.28	9.90	
3	Other Railroads	34.47	13.18	7.60	13.37	21.15	1.22	3.90	0.51	17.17	11.48

Highway-Rail Counts Are Excluded From Other Categories

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TABLE 2-8 RAILROAD RANKINGS, 2000

Group 1

Railroads	Train Miles	Hours	Total Rate	Train Acc Rate	EOD Rate	HRC Rate	Other Events	Tres Rate
ATK - Amtrak (Natl RR Passenger Corp.)	5	5	8	5	7	6	9	9
BNSF - Burlington Northern Santa Fe	2	2	2	3	2	1	2	2
CSX - CSX Transportation	3	3	4	7	4	4	3	5
GTW - Grand Trunk Western RR Inc.	9	9	6	4	9	5	8	3
IC - Illinois Central RR Co.	6	6	7	8	6	8	6	6
KCS - Kansas City Southern Rwy Co.	8	8	9	9	3	9	5	8
NS - Norfolk Southern Corp.	4	4	1	2	1	7	1	4
SOO - Soo Line RR Co.	7	7	5	1	8	3	7	1
UP - Union Pacific RR Co.	1	1	3	6	5	2	4	7

Group 2

Railroads	Train Miles	Hours	Total Rate	Train Acc Rate	EOD Rate	HRC Rate	Other Events	Tres Rate
ALS - Alton & Southern RR	25	25	17	18	27	1	24	1
ARR - Alaska RR Corp.	16	18	21	6	25	20	27	1
BAR - Bangor & Aroostook RR	18	28	15	15	32	9	21	1
BLE - Bessemer & Lake Erie RR Co.	33	20	1	19	3	1	6	32
BRC - Belt Rwy Co. Of Chicago	32	19	6	33	2	1	2	1
CRSH - Conrail Shared Assets	10	6	13	29	5	28	8	21
DH - Delaware & Hudson Rwy Co.	11	12	9	11	18	15	13	26
DME - Dakota, Minnesota & Eastern RR	24	24	30	32	22	30	12	1
DMIR - Duluth, Missabe & Iron Range Rwy	26	16	23	22	23	11	28	1
DWP - Duluth, Winnipeg & Pacific Rwy	27	34	2	16	4	14	1	1
EJE - Elgin, Joliet & Eastern Rwy Co.	30	15	22	28	13	27	19	1
FEC - Florida East Coast Rwy Co.	9	14	16	17	10	19	16	33
GRS - Guilford Rail System	20	9	10	21	9	24	11	29
GWWR - Gateway Western Rwy	23	32	7	24	1	26	5	30
IHB - Indiana Harbor Belt RR Co.	15	13	25	30	14	23	18	22
IMRL - I & M Rail Link, LLC	13	17	33	31	30	34	25	19
LI - Long Island Rail Road	2	1	20	9	24	10	29	24
MBTA - Massachusetts Bay Transit Auth.	6	7	11	1	17	13	22	31
MNCW - Metro North Commuter RR Co.	3	2	27	13	29	6	30	16
MRL - Montana Rail Link	8	10	3	12	6	17	3	1
NICD - Northern IN Commuter Trans. Dist	21	23	14	4	26	22	23	1
NIRC - Northeast IL Reg Commuter Rail	7	4	31	5	20	21	33	27
NJTR - New Jersey Transit Rail	1	3	5	8	11	7	14	28
PAL - Paducah & Louisville Rwy Co.	31	30	24	14	15	32	15	25
PATH - Port Authority Trans Hudson	12	11	34	3	34	1	34	1
PCMZ - Peninsula Commuter(San Mateo Cnty	19	22	18	7	21	16	26	34
PTRA - Port Terminal RR Association	17	26	8	26	8	25	4	17
SCAX - Southern CA Regional Rail Auth.	14	31	12	2	19	18	17	1
SEPA - Southeastern PA Trans. Authority	5	8	28	10	31	8	32	18
TM - Texas Mexican RR Co.	22	33	29	23	33	33	20	20
TRRA - Terminal RR Assn Of St. Louis	28	29	4	25	7	12	7	1
URR - Union RR Co. (Pittsburgh)	34	27	32	34	28	1	31	1
WC - Wisconsin Central Ltd.	4	5	26	20	16	31	10	23
WE - Wheeling & Lake Erie Rwy Co.	29	21	19	27	12	29	9	1

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TABLE 2-9 OPERATIONAL DATA, BY RAILROAD, 2000

Railroads	Total Train Miles		Employee Hours Worked		Freight Train Miles	Passenger Train Miles	Yard Switching Miles	Other Train Miles	Psgrs Carried	Psgr Miles Millions
	Cnt	%	Cnt	%						
ALS	769,450	0.11	664,189	0.14	-	-	769,450	-	-	0
ARR	1,341,295	0.19	1,305,645	0.27	741,702	174,603	424,432	558	498,412	20
ATK	36,080,704	4.99	45,840,150	9.34	-	34,000,000	2,080,704	-	22,985,354	5,574
BAR	1,108,948	0.15	624,236	0.13	1,054,472	-	54,476	-	-	0
BLE	250,028	0.03	946,903	0.19	231,275	-	18,753	-	-	0
BNSF	160,583,587	22.21	81,158,296	16.53	145,578,595	937,502	14,067,490	-	14,798,195	328
BRC	459,096	0.06	1,256,343	0.26	63,920	-	395,176	-	-	0
CRSH	2,566,384	0.36	3,812,239	0.78	517,774	-	2,048,610	-	-	0
CSX	114,320,715	15.81	69,088,518	14.07	96,416,414	169,452	17,734,849	-	-	0
DH	2,419,915	0.33	1,751,891	0.36	2,034,301	-	385,614	-	-	0
DME	803,340	0.11	728,197	0.15	714,096	-	89,244	-	-	0
DMIR	729,488	0.10	1,330,552	0.27	619,044	-	110,444	-	-	0
DWP	701,674	0.10	417,643	0.09	685,102	-	16,572	-	-	0
EJE	650,556	0.09	1,508,926	0.31	384,757	-	265,799	-	-	0
FEC	2,870,912	0.40	1,649,008	0.34	2,334,252	-	536,660	-	-	0
GRS	992,867	0.14	1,921,640	0.39	773,507	-	219,360	-	-	0
GTW	5,393,620	0.75	3,728,758	0.76	4,048,858	-	1,344,762	-	-	0
GWWR	867,692	0.12	551,700	0.11	621,428	-	246,264	-	-	0
IC	11,589,768	1.60	8,259,049	1.68	9,083,285	-	2,500,683	5,800	-	0
IHB	1,529,263	0.21	1,742,284	0.35	1,529,263	-	-	-	-	0
IMRL	1,993,085	0.28	1,311,153	0.27	1,683,485	-	309,600	-	-	0
KCS	7,936,611	1.10	5,602,991	1.14	6,898,101	-	1,038,510	-	-	0
LI	8,215,000	1.14	12,532,490	2.55	-	8,215,000	-	-	85,353,173	2,340
MBTA	3,789,721	0.52	3,556,019	0.72	-	3,789,721	-	-	36,698,337	496
MNCW	8,208,479	1.14	10,487,462	2.14	-	8,208,479	-	-	69,479,331	1,996
MRL	3,463,500	0.48	1,916,925	0.39	2,992,408	10,703	460,389	-	3,661	1
NICD	878,168	0.12	773,404	0.16	115,468	762,700	-	-	3,875,971	114
NIRC	3,599,403	0.50	5,252,658	1.07	-	3,517,783	81,620	-	38,015,868	804
NJTR	8,426,749	1.17	7,801,463	1.59	-	8,331,576	60,314	34,859	62,128,900	1,241
NS	95,782,482	13.25	68,281,138	13.91	81,087,054	-	14,695,428	-	-	0
PAL	591,546	0.08	606,426	0.12	452,003	-	139,543	-	-	0
PATH	2,024,565	0.28	1,855,006	0.38	-	1,760,492	264,073	-	77,919,658	338
PCMZ	1,106,609	0.15	855,178	0.17	-	1,069,331	37,278	-	10,071,629	211
PTRA	1,237,020	0.17	656,722	0.13	-	-	1,237,020	-	-	0
SCAX	1,745,748	0.24	593,819	0.12	-	1,745,748	-	-	8,071,401	271
SEPA	5,400,824	0.75	3,421,821	0.70	-	5,400,824	-	-	28,512,312	388
SOO	8,199,680	1.13	5,783,811	1.18	6,184,486	-	2,015,194	-	-	0
TM	877,604	0.12	464,938	0.09	660,280	-	217,324	-	-	0
TRRA	670,657	0.09	615,515	0.13	-	-	670,657	-	-	0
UP	180,750,917	25.00	98,883,124	20.14	163,273,716	2,300,915	15,176,286	-	24,685,181	557
URR	137,353	0.02	628,997	0.13	-	-	137,353	-	-	0
WC	5,803,656	0.80	4,693,253	0.96	4,441,311	5,930	1,344,078	12,337	2,959	0
WE	660,834	0.09	878,855	0.18	505,252	-	155,582	-	-	0
XXXX	25,347,119	3.51	25,186,989	5.13	13,657,301	3,886,912	7,569,495	233,411	18,649,819	1,461
Total	722,876,632	100.00	490,926,324	100.00	549,382,910	84,287,671	88,919,086	286,965	501,750,161	16,142

XXXX = all other railroads

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TABLE 2-10 OPERATIONAL DATA, BY MONTH, 2000

Months	Total Train Miles		Employee Hours Worked		Freight Train Miles	Passenger Train Miles	Yard Switching Miles	Other Train Miles	Psgrs Carried	Psgr Miles Millions
	Cnt	%	Cnt	%						
January	59,460,267	8.23	40,603,252	8.27	45,079,232	6,955,005	7,407,702	18,328	37,516,561	1,108
February	58,674,164	8.12	40,081,258	8.16	44,695,308	6,653,846	7,272,300	52,710	37,784,288	1,108
March	63,360,387	8.77	43,533,803	8.87	48,417,627	7,202,276	7,720,405	20,079	42,378,238	1,281
April	59,923,516	8.29	39,610,142	8.07	45,782,568	6,813,895	7,306,295	20,758	39,278,077	1,256
May	59,830,772	8.28	42,477,435	8.65	44,768,935	7,365,031	7,673,652	23,154	43,121,061	1,354
June	59,684,061	8.26	41,852,082	8.53	45,003,136	7,178,173	7,482,180	20,572	44,080,940	1,494
July	59,944,489	8.29	39,969,067	8.14	45,491,707	7,230,066	7,202,041	20,675	42,631,436	1,597
August	64,057,401	8.86	43,232,123	8.81	48,780,762	7,573,834	7,679,544	23,261	45,209,177	1,686
September	60,263,736	8.34	40,325,447	8.21	45,871,043	7,097,045	7,269,353	26,295	41,992,935	1,386
October	61,987,839	8.58	42,588,094	8.68	48,284,726	5,973,060	7,705,979	24,074	44,852,799	1,408
November	58,822,833	8.14	39,548,387	8.06	44,554,199	7,101,346	7,147,803	19,485	41,915,598	1,225
December	56,867,167	7.87	37,105,234	7.56	42,653,667	7,144,094	7,051,832	17,574	40,989,051	1,239
Total	722,876,632	100.00	490,926,324	100.00	549,382,910	84,287,671	88,919,086	286,965	501,750,161	16,142

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TABLE 2-11 SUMMARY OF ACCIDENTS/INCIDENTS, BY STATE, 2000

States	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
Alabama	257	20	143	51	-	1	95	10	39	111	10	103
Alaska	89	2	82	2	-	-	7	-	-	80	2	82
Arizona	222	27	147	48	1	5	29	8	13	145	18	129
Arkansas	371	30	225	72	-	4	115	27	36	184	3	185
California	1,133	101	808	183	-	27	174	27	54	776	74	727
Colorado	199	10	112	57	-	1	36	6	8	106	4	103
Connecticut	203	6	159	36	-	2	8	2	-	159	4	157
Delaware	59	2	47	7	-	-	10	-	7	42	2	40
Dist Of Columbia	107	-	90	15	-	-	2	-	-	90	0	90
Florida	405	45	303	66	-	6	86	15	67	253	30	230
Georgia	395	23	231	66	1	1	128	10	38	201	12	192
Idaho	109	11	53	25	-	-	33	11	1	51	0	52
Illinois	1,484	69	1,109	231	-	9	217	31	68	1,036	38	1,032
Indiana	540	36	317	79	-	1	194	23	55	267	13	261
Iowa	367	9	211	82	-	5	109	6	31	176	3	175
Kansas	337	21	226	91	-	34	67	11	18	179	10	174
Kentucky	272	14	170	44	-	-	69	5	20	159	9	150
Louisiana	465	16	310	79	-	11	181	14	88	205	2	211
Maine	79	2	58	13	-	-	8	1	1	58	1	57
Maryland	173	9	103	51	1	5	19	1	2	103	7	96
Massachusetts	228	17	183	23	-	-	12	1	4	193	16	179
Michigan	434	23	300	47	-	4	134	13	51	253	10	245
Minnesota	431	11	303	80	-	-	91	6	40	260	5	263
Mississippi	250	17	120	61	-	-	113	15	44	76	2	76
Missouri	367	29	221	83	-	7	88	17	27	196	12	187
Montana	156	4	108	30	1	2	24	1	2	102	2	104
Nebraska	362	8	247	82	-	1	55	7	14	225	1	232
Nevada	40	1	25	12	-	-	2	-	-	26	1	25
New Hampshire	18	-	15	0	-	-	3	-	-	15	0	15
New Jersey	528	28	432	56	-	3	36	5	10	436	23	419
New Mexico	138	4	106	25	-	-	17	-	11	96	4	95
New York	1,330	32	1,168	139	1	18	41	5	14	1,150	26	1,136
North Carolina	243	24	121	28	-	3	113	14	25	102	10	93
North Dakota	122	9	82	24	-	-	17	6	2	81	3	80
Ohio	575	28	339	120	-	5	148	15	38	307	13	296
Oklahoma	231	22	124	61	-	4	89	12	47	81	10	73
Oregon	214	9	152	41	-	-	30	-	13	143	9	139
Pennsylvania	752	23	583	127	1	17	69	8	17	556	14	549
Rhode Island	21	1	19	1	-	-	-	-	-	20	1	19
South Carolina	192	20	141	28	-	40	80	10	24	84	10	77
South Dakota	64	3	43	22	1	2	11	-	5	31	2	36
Tennessee	296	15	163	66	1	3	90	8	26	140	6	134
Texas	1,260	90	777	274	1	39	388	52	164	598	37	574
Utah	129	5	88	38	-	5	18	2	7	73	3	76
Vermont	29	1	22	4	-	-	2	-	-	23	1	22
Virginia	252	13	169	44	-	-	54	3	21	154	10	148
Washington	317	16	230	41	-	-	45	1	10	231	15	220
West Virginia	128	9	93	15	-	-	20	1	8	93	8	85
Wisconsin	390	20	258	63	-	8	122	15	49	205	5	201
Wyoming	156	2	107	50	1	2	3	-	-	103	1	105
Total	16,919	937	11,643	2,983	10	275	3,502	425	1,219	10,434	502	10,149

CHAPTER 3

CASUALTY REPORTING

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.

The distinction between medical treatment and first aid depends not only on the treatment provided, but also on the severity of the injury being treated. First aid is:

1. Limited to one-time treatment and subsequent observation; and
2. Involves treatment of only minor injuries, not emergency treatment of serious injuries. An injury is not minor if:
 - a. It must be treated only by a physician or licensed medical personnel;
 - b. It impairs bodily function (i.e., normal use of senses, limbs, etc.);
 - c. It results in damage to the physical structure of a non-superficial nature (e.g. fractures); or
 - d. It involves complications requiring follow-up medical treatment.

One-time treatment of an injury should not be used as the sole basis for classifying a treatment or procedure as first aid. Medical treatment can, and often is, given on a one-time basis, e.g., the suturing of a wound. The procedures used and the skills required to treat an injury, as well as the seriousness of the injury, are all factors that must be considered when determining the type of treatment rendered.

Likewise, medical treatment cannot be determined solely on the basis of who treats a case. First aid treatment can be given by a physician, and medical treatment, by someone other than a physician.

The following are examples of typical medical treatment that are reportable:

Closure of a wound with suture (stitch), staple, Steri-strip, butterfly, or the like.

The application of a cast or other professional means of immobilizing an injured part of the body, regardless of how long the cast, sling, splint, or the like, is actually worn.

Injection. Any application of medication through the use of a syringe, except a tetanus shot.

Bruise. The treatment of a bruise by drainage of blood.

Debridement. Surgical debridement, that is, the removal of dead or damaged skin.

Treatment of a burn. The treatment of a second- or third-degree burn is almost always medical treatment if the size of the affected area cannot be covered with a quarter.

Prescription medication. Any prescription medication prescribed or provided for a condition that is intended for subsequent use. A single dose taken orally or applied externally on the initial visit is considered to be first aid and is not reportable. (See definition of prescription medication.)

Eye injury. Removal of any object embedded in the eye, or the application of a patch or a bandage.

X-Ray. An X-Ray that is positive.

Whirlpool treatment. Any injury that requires more than one whirlpool treatment.

Multiple treatments. Any injury that results in additional treatment by a physician or other medical professional on a second or subsequent visit. This does not include a routine examination of the progress of an injury or instances where bandages or other dressings are replaced.

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CHAPTER 3

CASUALTY REPORTING

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TABLE 3-1 CASUALTIES BY TYPE PERSON AND PRIMARY EVENT, 2000

Type Person	<u>Total Incidents 1/</u>		<u>Total Casualties</u>		<u>Train Accs w/o HRC</u>		<u>HRC Incs</u>		<u>Other Events</u>	
	Fatal	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal
A - Worker on duty(rr employee)	23	8,171	24	8,423	4	148	2	100	18	8,175
B - Employee not on duty	1	260	1	286	.	15	.	3	1	268
C - Passenger on train	4	567	4	658	.	85	.	10	4	563
D - Nontrespasser	284	969	332	1,264	3	11	315	906	14	347
E - Trespasser	552	536	570	606	2	1	107	192	461	413
F - Worker on duty(contractor)	.	177	.	183	.	.	.	.	.	183
G - Contractor(other)	3	180	3	185	.	2	.	1	3	182
H - Worker on duty(volunteer)	.	6	.	6	.	.	.	.	.	6
I - Volunteer(other)	.	2	.	2	.	.	.	.	.	2
J - Nontrespasser, off rr property	3	19	3	30	1	13	1	7	1	10
Total..	870	10,887	937	11,643	10	275	425	1,219	502	10,149

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

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TABLE 3-2 FATALITIES BY TYPE PERSON AND RAILROAD, 2000

	Total	%	Type Person						
			A	B	C	D	E	G	J
Alaska RR Corp.	1	0.1	1	-	-	-	-	-	-
Amtrak	131	14.0	-	3	27	101	-	-	-
Burlington Northern Santa Fe	151	16.1	6	-	62	82	1	-	-
Conrail Shared Assets	1	0.1	-	-	-	-	1	-	-
CSX Transportation	124	13.2	2	-	43	77	-	2	-
Delaware & Hudson	4	0.4	-	-	-	1	3	-	-
Dakota,Minnesota & Eastern	1	0.1	1	-	-	-	-	-	-
Florida East Coast	22	2.3	-	-	-	-	22	-	-
Guilford Rail System	3	0.3	-	-	-	-	3	-	-
Grand Trunk Western RR	4	0.4	-	-	-	-	4	-	-
Gateway Western	4	0.4	-	-	-	2	2	-	-
Illinois Central	17	1.8	1	-	13	3	-	-	-
Indiana Harbor Belt	2	0.2	1	-	-	-	1	-	-
I & M Rail Link, LLC	6	0.6	-	-	-	5	1	-	-
Kansas City Southern	24	2.6	-	-	-	18	6	-	-
Long Island Rail Road	7	0.7	-	-	-	2	5	-	-
MD Assn. of Rail Comm	2	0.2	-	-	-	-	2	-	-
Mass Bay Transit Auth.	11	1.2	-	-	-	-	11	-	-
Metro North Commuter	4	0.4	-	-	-	-	4	-	-
Montana Rail Link	3	0.3	-	-	-	3	-	-	-
Northeast IL Reg Comm	5	0.5	-	-	-	-	5	-	-
New Jersey Transit Rail	21	2.2	-	-	-	1	20	-	-
Norfolk Southern Corp.	118	12.6	1	-	47	70	-	-	-
Port Auth Trans Hudson	1	0.1	-	-	-	-	-	1	-
Peninsula Comm San Mateo Cnty	14	1.5	-	-	-	-	14	-	-
Southern CA Reg Rail Auth.	1	0.1	-	-	-	-	1	-	-
Southeastern PA Trans.	3	0.3	-	-	-	-	3	-	-
Soo Line	5	0.5	2	-	-	2	1	-	-
Texas Mexican	1	0.1	-	-	-	1	-	-	-
Union Pacific	204	21.8	5	1	87	111	-	-	-
Wisconsin Central Ltd.	11	1.2	-	-	-	9	2	-	-
Other Railroads	31	3.3	4	1	-	9	15	1	1
Total	937	100.0	24	1	4	332	570	3	3

See Table 3-1 for description of type person codes

Railroad Safety Statistics--Annual Report 2000

TABLE 3-3 FATALITIES BY TYPE PERSON KILLED AND STATE, 2000

States			Type Person						
	Total	%	A	B	C	D	E	G	J
Alabama	20	2.1	-	-	-	9	11	-	-
Alaska	2	0.2	2	-	-	-	-	-	-
Arizona	27	2.9	1	1	1	6	18	-	-
Arkansas	30	3.2	1	-	-	25	4	-	-
California	101	10.8	1	-	1	6	93	-	-
Colorado	10	1.1	-	-	-	5	5	-	-
Connecticut	6	0.6	-	-	-	-	6	-	-
Delaware	2	0.2	-	-	-	-	2	-	-
Florida	45	4.8	1	-	-	1	43	-	-
Georgia	23	2.5	1	-	-	8	14	-	-
Idaho	11	1.2	-	-	-	9	2	-	-
Illinois	69	7.4	3	-	1	27	37	1	-
Indiana	36	3.8	1	-	-	18	17	-	-
Iowa	9	1.0	1	-	-	6	2	-	-
Kansas	21	2.2	1	-	-	8	12	-	-
Kentucky	14	1.5	-	-	-	6	8	-	-
Louisiana	16	1.7	2	-	-	12	2	-	-
Maine	2	0.2	-	-	-	1	1	-	-
Maryland	9	1.0	-	-	-	-	8	-	1
Massachusetts	17	1.8	-	-	-	-	17	-	-
Michigan	23	2.5	-	-	-	9	12	1	1
Minnesota	11	1.2	-	-	-	6	5	-	-
Mississippi	17	1.8	-	-	-	14	3	-	-
Missouri	29	3.1	1	-	-	15	13	-	-
Montana	4	0.4	-	-	-	2	2	-	-
Nebraska	8	0.9	-	-	-	7	1	-	-
Nevada	1	0.1	-	-	-	-	1	-	-
New Jersey	28	3.0	-	-	-	1	26	-	1
New Mexico	4	0.4	-	-	-	-	4	-	-
New York	32	3.4	-	-	-	3	28	1	-
North Carolina	24	2.6	-	-	-	11	13	-	-
North Dakota	9	1.0	1	-	-	5	3	-	-
Ohio	28	3.0	-	-	1	8	19	-	-
Oklahoma	22	2.3	-	-	-	11	11	-	-
Oregon	9	1.0	-	-	-	-	9	-	-
Pennsylvania	23	2.5	-	-	-	4	19	-	-
Rhode Island	1	0.1	-	-	-	-	1	-	-
South Carolina	20	2.1	1	-	-	8	11	-	-
South Dakota	3	0.3	1	-	-	-	2	-	-
Tennessee	15	1.6	-	-	-	9	6	-	-
Texas	90	9.6	2	-	-	50	38	-	-
Utah	5	0.5	-	-	-	2	3	-	-
Vermont	1	0.1	-	-	-	-	1	-	-
Virginia	13	1.4	1	-	-	2	10	-	-
Washington	16	1.7	-	-	-	2	14	-	-
West Virginia	9	1.0	-	-	-	1	8	-	-
Wisconsin	20	2.1	1	-	-	14	5	-	-
Wyoming	2	0.2	1	-	-	1	-	-	-
Total	937	100.0	24	1	4	332	570	3	3

See Table 3-1 for description of type person codes

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TABLE 3-4 NONFATAL CONDITIONS BY TYPE PERSON AND RAILROAD, 2000

			Type Person									
	Total	%	A	B	C	D	E	F	G	H	I	J
Alton & Southern	22	0.2	22	-	-	-	-	-	-	-	-	-
Alaska RR Corp.	50	0.4	39	-	2	-	-	9	-	-	-	-
Amtrak	1,412	12.1	920	59	294	73	44	8	13	-	-	1
Bangor & Aroostook	26	0.2	26	-	-	-	-	-	-	-	-	-
Bessemer & Lake Erie RR	7	0.1	5	-	-	-	2	-	-	-	-	-
Burlington Northern Santa Fe	1,493	12.8	1,053	76	12	182	71	24	74	1	-	-
Belt Rwy Of Chicago	5	0.0	5	-	-	-	-	-	-	-	-	-
Conrail Shared Assets	56	0.5	32	-	-	6	11	6	-	-	-	1
CSX Transportation	1,324	11.4	996	43	1	156	110	6	9	-	-	3
Delaware & Hudson	49	0.4	40	2	-	4	2	-	1	-	-	-
Dakota,Minnesota & Eastern	22	0.2	18	-	-	3	1	-	-	-	-	-
Duluth,Missabe & Iron Range	38	0.3	37	-	-	1	-	-	-	-	-	-
Duluth,Winnipeg & Pacific	3	0.0	3	-	-	-	-	-	-	-	-	-
Elgin, Joliet & Eastern	32	0.3	32	-	-	-	-	-	-	-	-	-
Florida East Coast	46	0.4	26	-	-	1	18	-	1	-	-	-
Guilford Rail System	29	0.2	28	-	-	-	1	-	-	-	-	-
Grand Trunk Western RR	120	1.0	108	2	-	7	3	-	-	-	-	-
Gateway Western	7	0.1	2	-	-	2	2	1	-	-	-	-
Illinois Central	225	1.9	158	2	-	51	11	-	3	-	-	-
Indiana Harbor Belt	43	0.4	36	1	-	2	4	-	-	-	-	-
I & M Rail Link, LLC	68	0.6	51	1	-	15	1	-	-	-	-	-
Kansas City Southern	143	1.2	77	1	-	53	10	2	-	-	-	-
Long Island Rail Road	414	3.6	350	9	18	25	12	-	-	-	-	-
MD Assn. of Rail Comm	5	0.0	4	-	1	-	-	-	-	-	-	-
Mass Bay Transit Auth.	103	0.9	80	2	10	5	6	-	-	-	-	-
Metro North Commuter	476	4.1	367	7	26	63	2	4	3	-	-	4
Montana Rail Link	22	0.2	21	-	-	-	-	1	-	-	-	-
Northern IN Comm Trans	25	0.2	25	-	-	-	-	-	-	-	-	-
Northeast IL Reg Comm	283	2.4	132	2	74	63	6	3	-	-	-	3
New Jersey Transit Rail	174	1.5	141	8	19	2	4	-	-	-	-	-
Norfolk Southern Corp.	778	6.7	498	19	-	111	61	36	52	-	-	1
Paducah & Louisville	16	0.1	13	-	-	-	3	-	-	-	-	-
Port Auth Trans Hudson	199	1.7	105	3	21	61	-	-	9	-	-	-
Peninsula Comm San Mateo Cnty	25	0.2	22	-	-	-	3	-	-	-	-	-
Port Terminal RR Assn	11	0.1	8	-	-	2	1	-	-	-	-	-
Southern CA Reg Rail Auth.	31	0.3	14	-	1	-	-	14	2	-	-	-
Southeastern PA Trans.	279	2.4	142	1	93	38	3	-	1	-	-	1
Soo Line	166	1.4	145	3	-	17	1	-	-	-	-	-
Texas Mexican	27	0.2	20	-	-	5	1	1	-	-	-	-
Term RR Assn Of St. Louis	8	0.1	7	-	-	-	-	-	1	-	-	-
Union Pacific	1,994	17.1	1,527	32	30	191	179	23	9	-	-	3
Union RR (Pittsburgh)	21	0.2	21	-	-	-	-	-	-	-	-	-
Wisconsin Central Ltd.	161	1.4	102	1	-	40	7	-	3	-	-	8
Wheeling & Lake Erie	19	0.2	16	-	-	-	3	-	-	-	-	-
Other Railroads	1,186	10.2	949	12	56	85	23	45	4	5	2	5
Total	11,643	100.0	8,423	286	658	1,264	606	183	185	6	2	30

See Table 3-1 for description of type person codes

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TABLE 3-5 NONFATAL CONDITIONS BY TYPE PERSON AND STATE, 2000

	Total	%	Type Person									
			A	B	C	D	E	F	G	H	I	J
Alabama	143	1.2	90	3	-	26	18	5	1	-	-	-
Alaska	82	0.7	66	-	7	-	-	9	-	-	-	-
Arizona	147	1.3	110	4	3	13	15	2	-	-	-	-
Arkansas	225	1.9	178	2	2	30	6	6	1	-	-	-
California	808	6.9	583	28	57	33	68	17	21	1	-	-
Colorado	112	1.0	80	5	12	7	4	3	1	-	-	-
Connecticut	159	1.4	130	6	15	7	-	-	-	-	-	1
Delaware	47	0.4	33	1	4	8	-	-	1	-	-	-
Dist Of Columbia	90	0.8	68	7	2	3	1	5	4	-	-	-
Florida	303	2.6	175	11	21	41	41	12	1	-	-	1
Georgia	231	2.0	160	4	4	31	13	11	8	-	-	-
Idaho	53	0.5	46	3	-	2	-	2	-	-	-	-
Illinois	1,109	9.5	689	34	138	129	40	15	57	1	-	6
Indiana	317	2.7	235	8	9	41	19	4	1	-	-	-
Iowa	211	1.8	164	4	-	27	10	-	2	1	1	2
Kansas	226	1.9	145	9	31	15	11	10	4	1	-	-
Kentucky	170	1.5	138	1	1	17	10	2	1	-	-	-
Louisiana	310	2.7	210	3	3	75	14	4	1	-	-	-
Maine	58	0.5	57	-	-	1	-	-	-	-	-	-
Maryland	103	0.9	84	5	2	5	5	-	-	-	-	2
Massachusetts	183	1.6	153	2	13	7	7	1	-	-	-	-
Michigan	300	2.6	216	4	7	37	19	12	2	-	-	3
Minnesota	303	2.6	247	7	3	36	9	-	1	-	-	-
Mississippi	120	1.0	71	-	5	43	-	1	-	-	-	-
Missouri	221	1.9	154	7	8	25	9	5	12	-	-	1
Montana	108	0.9	98	2	3	2	1	2	-	-	-	-
Nebraska	247	2.1	215	10	2	7	7	-	6	-	-	-
Nevada	25	0.2	19	-	2	-	4	-	-	-	-	-
New Hampshire	15	0.1	15	-	-	-	-	-	-	-	-	-
New Jersey	432	3.7	293	12	39	54	19	6	8	-	-	1
New Mexico	106	0.9	76	-	6	10	7	3	4	-	-	-
New York	1,168	10.0	923	32	56	104	34	6	10	-	-	3
North Carolina	121	1.0	74	3	5	22	13	1	2	1	-	-
North Dakota	82	0.7	74	2	2	1	1	1	1	-	-	-
Ohio	339	2.9	270	8	2	27	20	8	4	-	-	-
Oklahoma	124	1.1	63	2	2	47	8	1	1	-	-	-
Oregon	152	1.3	110	4	5	13	17	-	3	-	-	-
Pennsylvania	583	5.0	403	10	96	55	12	4	2	-	-	1
Rhode Island	19	0.2	17	1	-	1	-	-	-	-	-	-
South Carolina	141	1.2	79	1	30	19	10	-	1	-	-	1
South Dakota	43	0.4	29	3	-	4	7	-	-	-	-	-
Tennessee	163	1.4	129	4	1	21	2	4	2	-	-	-
Texas	777	6.7	510	10	28	132	76	10	10	1	-	-
Utah	88	0.8	73	-	4	7	4	-	-	-	-	-
Vermont	22	0.2	22	-	-	-	-	-	-	-	-	-
Virginia	169	1.5	117	7	12	11	14	6	2	-	-	-
Washington	230	2.0	175	8	12	15	15	-	4	1	-	-
West Virginia	93	0.8	69	1	-	10	10	-	3	-	-	-
Wisconsin	258	2.2	190	3	4	43	6	1	3	-	-	8
Wyoming	107	0.9	98	5	-	-	-	4	-	-	-	-
Total	11,643	100.0	8,423	286	658	1,264	606	183	185	6	2	30

See Table 3-1 for description of type person codes

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TABLE 3-6 REPORTABLE CONDITIONS, ALL TYPE PERSONS, 2000

Condition	Cnt	%	Type Person *									
			A	B	C	D	E	F	G	H	I	J
Bruise/contusion	2,101	16.7	1,404	62	177	285	104	33	32	-	-	4
Occ. illness	137	1.1	129	1	-	-	-	4	3	-	-	-
Occ. illness,FATAL ****	1	0.0	-	-	-	-	-	-	1	-	-	-
Sprain/Str., other	84	0.7	51	3	8	16	3	-	1	-	1	1
Sprain/Str.,arm/hand	466	3.7	422	12	12	8	2	6	2	1	-	1
Sprain/Str.,leg/foot	1,391	11.1	1,197	53	57	39	2	18	25	-	-	-
Sprain/Str.,head/face	397	3.2	307	28	14	30	6	3	8	-	-	1
Sprain/Str.,torso	2,605	20.7	2,380	48	78	36	8	25	27	-	-	3
Cut/abrasion	1,407	11.2	896	24	88	221	101	39	34	1	-	3
Puncture wound	170	1.4	143	6	3	10	1	5	2	-	-	-
Electric shock/burn	41	0.3	38	-	-	-	2	1	-	-	-	-
Other burn	88	0.7	72	-	5	2	2	4	3	-	-	-
Dislocation	94	0.7	66	4	5	9	4	3	2	-	-	1
Fracture,other	6	0.0	1	-	-	1	4	-	-	-	-	-
Fracture,arm/hand	391	3.1	274	4	38	28	22	14	9	-	-	2
Fracture,leg/foot	378	3.0	213	14	41	53	36	9	9	2	-	1
Fracture,head/face	56	0.4	21	2	4	18	11	-	-	-	-	-
Fracture,torso	188	1.5	79	2	30	56	12	3	4	1	1	-
Fracture,multiple	32	0.3	4	1	1	15	8	1	2	-	-	-
Dental related	32	0.3	24	-	7	1	-	-	-	-	-	-
Amputation,arm/hand	60	0.5	33	-	3	2	20	1	-	-	-	1
Amputation,leg/foot	93	0.7	11	-	1	4	76	-	1	-	-	-
Amputation,head/face	1	0.0	1	-	-	-	-	-	-	-	-	-
Amputation,other	1	0.0	-	-	-	-	1	-	-	-	-	-
Fatality	936	7.4	24	1	4	332	570	-	2	-	-	3
Object in eye	207	1.6	177	6	11	1	-	5	6	1	-	-
Hernia	78	0.6	78	-	-	-	-	-	-	-	-	-
Concussion	79	0.6	34	2	10	22	7	1	3	-	-	-
Nervous shock	3	0.0	-	1	-	1	1	-	-	-	-	-
Internal injury	66	0.5	17	-	-	33	12	2	1	-	-	1
Skin reaction	35	0.3	34	-	-	1	-	-	-	-	-	-
One-time exp. to noise	30	0.2	29	-	-	1	-	-	-	-	-	-
Unspecified injury	788	6.3	164	12	62	371	161	4	11	-	-	3
One-time exp.-fumes	138	1.1	124	1	3	-	-	2	-	-	-	8
Total	12,580	100.0	8,447	287	662	1,596	1,176	183	188	6	2	33

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

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TABLE 3-7 TOTAL CASUALTIES BY AGE OF INDIVIDUAL AND TYPE PERSON, 2000

Age		Total		Type Person *										
		Cnt	%	A	B	C	D	E	F	G	H	I	J	
Kid	Unk	96	0.8	-	-	1	16	78	-	1	-	-	-	-
	1-5	16	0.1	-	-	-	9	7	-	-	-	-	-	
	6-10	16	0.1	-	-	-	12	4	-	-	-	-	-	
	11-15	30	0.2	-	-	-	12	17	-	-	-	-	1	
	16-20	96	0.8	-	-	1	41	54	-	-	-	-	-	
	21-25	91	0.7	-	-	-	29	60	-	-	-	-	2	
	26-30	81	0.6	1	-	-	30	49	-	1	-	-	-	
	31-35	81	0.6	-	-	-	30	50	-	1	-	-	-	
	36-40	111	0.9	6	-	-	30	75	-	-	-	-	-	
	41-45	80	0.6	2	-	-	20	58	-	-	-	-	-	
	46-50	51	0.4	5	-	-	13	33	-	-	-	-	-	
	51-55	50	0.4	8	-	-	18	24	-	-	-	-	-	
	56-60	35	0.3	2	1	-	16	16	-	-	-	-	-	
	> 60	103	0.8	-	-	2	56	45	-	-	-	-	-	
	Total	937	7.4	24	1	4	332	570	-	3	-	-	3	
Nonfatal	Unk	435	3.5	2	-	192	163	44	8	13	1	-	12	
	1-5	59	0.5	-	-	17	34	8	-	-	-	-	-	
	6-10	57	0.5	-	-	10	29	18	-	-	-	-	-	
	11-15	82	0.7	-	-	8	36	37	-	-	-	-	1	
	16-20	331	2.6	78	3	18	148	68	6	8	-	-	2	
	21-25	846	6.7	508	15	23	144	93	35	27	-	-	1	
	26-30	1,199	9.5	904	30	31	101	68	33	31	-	-	1	
	31-35	1,263	10.0	969	31	41	101	67	27	24	1	-	2	
	36-40	1,276	10.1	1,013	31	30	98	52	19	29	-	-	4	
	41-45	1,599	12.7	1,319	44	47	102	46	18	21	-	-	2	
	46-50	1,761	14.0	1,514	46	36	86	48	18	13	-	-	-	
	51-55	1,370	10.9	1,182	43	38	66	18	12	9	1	-	1	
	56-60	857	6.8	704	30	38	58	9	6	9	1	1	1	
	> 60	508	4.0	230	13	129	98	30	1	1	2	1	3	
	Total	11,643	92.6	8,423	286	658	1,264	606	183	185	6	2	30	
Total	12,580	100.0	8,447	287	662	1,596	1,176	183	188	6	2	33		

A - Worker on duty (rr employee) B - Employee not on duty C - Passenger on train D - Non trespasser
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 I - Volunteer (other) J - Non trespasser, off rr property

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TABLE 3-8 TOTAL CASUALTIES BY MONTH AND TYPE PERSON, 2000

Condition		Total	Type Person *										
		Cnt	A	B	C	D	E	F	G	H	I	J	
Kld	January	88	1	1	-	45	40	-	-	-	-	-	1
	February	47	2	-	-	14	31	-	-	-	-	-	-
	March	61	3	-	1	23	34	-	-	-	-	-	-
	April	74	1	-	-	19	53	-	1	-	-	-	-
	May	87	2	-	1	23	61	-	-	-	-	-	-
	June	83	2	-	-	31	49	-	-	-	-	-	1
	July	97	4	-	1	37	55	-	-	-	-	-	-
	August	93	3	-	-	37	53	-	-	-	-	-	-
	September	83	1	-	-	28	54	-	-	-	-	-	-
	October	89	2	-	-	24	63	-	-	-	-	-	-
	November	68	1	-	1	30	35	-	1	-	-	-	-
	December	67	2	-	-	21	42	-	1	-	-	-	1
	Total	937	24	1	4	332	570	-	3	-	-	-	3
	Nonfatal	January	1,032	730	34	40	146	43	16	20	-	-	-
February		882	629	27	47	114	34	9	20	-	-	-	2
March		993	701	15	76	121	56	14	9	1	-	-	-
April		793	595	18	44	53	51	17	14	-	-	-	1
May		965	710	17	51	95	56	19	14	1	-	-	2
June		1,055	795	27	45	94	60	14	16	2	1	-	1
July		1,001	697	15	58	127	59	21	20	2	-	-	2
August		1,120	797	24	93	98	61	20	24	-	-	-	3
September		997	732	25	43	101	61	17	14	-	1	-	3
October		965	725	15	52	97	49	13	13	-	-	-	1
November		795	587	24	60	68	39	10	6	-	-	-	1
December		1,045	725	45	49	150	37	13	15	-	-	-	11
Total		11,643	8,423	286	658	1,264	606	183	185	6	2	-	30
Total		12,580	8,447	287	662	1,596	1,176	183	188	6	2	33	

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

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TABLE 3-9 TOTAL CASUALTIES BY TIME OF DAY AND TYPE PERSON, 2000

Time	Total		Type Person *									
	Cnt	%	A	B	C	D	E	F	G	H	I	J
AM 1	366	2.9	238	16	37	23	46	1	5	-	-	-
2	350	2.8	244	6	6	14	72	3	5	-	-	-
3	280	2.2	209	5	2	9	51	2	2	-	-	-
4	244	1.9	181	6	3	11	38	3	2	-	-	-
5	236	1.9	153	16	8	24	33	1	1	-	-	-
6	381	3.0	226	30	35	49	35	2	4	-	-	-
7	587	4.7	331	26	79	109	27	5	7	-	-	3
8	731	5.8	496	13	52	107	29	15	18	-	-	1
9	787	6.3	587	8	38	94	29	16	13	-	-	2
10	976	7.8	766	15	27	97	28	28	14	-	-	1
11	849	6.7	656	2	20	93	48	13	14	-	1	2
12	300	2.4	182	10	15	27	55	3	7	-	-	1
Total	6,087	48.4	4,269	153	322	657	491	92	92	-	1	10
PM 1	773	6.1	553	16	36	94	44	18	8	1	-	3
2	754	6.0	523	20	19	111	54	13	13	-	-	1
3	690	5.5	414	19	37	135	57	15	11	2	-	-
4	628	5.0	361	13	49	109	71	6	9	-	1	9
5	587	4.7	373	9	36	93	60	4	5	2	-	5
6	541	4.3	346	4	38	89	56	2	5	-	-	1
7	388	3.1	244	6	22	47	52	5	10	1	-	1
8	398	3.2	258	3	14	58	46	10	8	-	-	1
9	371	2.9	228	9	13	41	71	5	4	-	-	-
10	355	2.8	217	13	16	37	62	2	6	-	-	2
11	314	2.5	205	6	8	30	54	4	7	-	-	-
12	694	5.5	456	16	52	95	58	7	10	-	-	-
Total	6,493	51.6	4,178	134	340	939	685	91	96	6	1	23
Total	12,580	100.0	8,447	287	662	1,596	1,176	183	188	6	2	33

A - Worker on duty (rr employee) B - Employee not on duty C - Passenger on train D - Non trespasser
 E - Trespasser F - Worker on duty (contractor) G - Contractor (other) H - Worker on duty (volunteer)
 I - Volunteer (other) J - Non trespasser, 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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EMPLOYEE ON DUTY CASUALTIES

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TABLE 4-1 REPORTABLE CONDITIONS TO EMPLOYEES ON DUTY, 2000

Condition	Total		Days Absent			Absent Cases 1/		Term./ Trans. 2/	Days Restricted			Hazmat Exp. 3/
	Cnt	%	Cnt	%	Avg.	Cnt	%		Cnt	%	Avg.	
								Cnt				
Bruise/contusion	1,404	16.6	56,529	15.4	40	970	16.8	6	8,278	12.3	6	-
Occ. illness	129	1.5	3,207	0.9	25	78	1.3	1	1,148	1.7	9	3
Sprain/Str., other	51	0.6	2,615	0.7	51	43	0.7	-	39	0.1	1	-
Sprain/Str.,arm/hand	422	5.0	16,340	4.4	39	288	5.0	-	5,527	8.2	13	-
Sprain/Str.,leg/foot	1,197	14.2	57,545	15.7	48	931	16.1	4	10,649	15.8	9	-
Sprain/Str.,head/face	307	3.6	17,543	4.8	57	229	4.0	1	3,963	5.9	13	-
Sprain/Str.,torso	2,380	28.2	133,192	36.2	56	1,798	31.1	22	24,324	36.1	10	2
Cut/abrasion	896	10.6	14,507	3.9	16	393	6.8	2	2,455	3.6	3	-
Puncture wound	143	1.7	1,397	0.4	10	56	1.0	-	197	0.3	1	-
Electric shock/burn	38	0.4	1,000	0.3	26	26	0.4	-	306	0.5	8	-
Other burn	72	0.9	724	0.2	10	34	0.6	-	80	0.1	1	2
Dislocation	66	0.8	4,798	1.3	73	46	0.8	1	630	0.9	10	-
Fracture,arm/hand	274	3.2	10,071	2.7	37	175	3.0	-	3,239	4.8	12	-
Fracture,leg/foot	213	2.5	18,447	5.0	87	182	3.1	2	1,913	2.8	9	-
Fracture,head/face	21	0.2	887	0.2	42	16	0.3	1	2	0.0	0	-
Fracture,torso	79	0.9	5,583	1.5	71	69	1.2	1	1,241	1.8	16	-
Fracture,multiple	4	0.0	529	0.1	132	4	0.1	-	0	0.0	0	-
Fracture,other	1	0.0	6	0.0	6	1	0.0	-	0	0.0	0	-
Dental related	24	0.3	147	0.0	6	7	0.1	-	0	0.0	0	-
Amputation,arm/hand	33	0.4	1,987	0.5	60	26	0.4	-	513	0.8	16	-
Amputation,leg/foot	11	0.1	2,058	0.6	187	11	0.2	-	0	0.0	0	-
Amputation,head/face	1	0.0	328	0.1	328	1	0.0	-	0	0.0	0	-
Fatality	24	0.3	0	0.0	0	-	-	2	0	0.0	0	1
Object in eye	177	2.1	840	0.2	5	61	1.1	-	116	0.2	1	1
Hernia	78	0.9	4,931	1.3	63	75	1.3	1	886	1.3	11	-
Concussion	34	0.4	1,317	0.4	39	23	0.4	1	193	0.3	6	-
Internal injury	17	0.2	1,433	0.4	84	14	0.2	-	390	0.6	23	-
Skin reaction	34	0.4	160	0.0	5	15	0.3	-	6	0.0	0	13
One-time exp. to noise	29	0.3	964	0.3	33	20	0.3	-	91	0.1	3	-
Unspecified injury	164	1.9	5,750	1.6	35	102	1.8	1	900	1.3	5	-
One-time exp.-fumes	124	1.5	2,691	0.7	22	94	1.6	-	261	0.4	2	31
Total	8,447	100.0	367,526	100.0	44	5,788	100.0	46	67,347	100.0	8	53

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

2/ Term = terminated, Trans = transferred

3/ Condition was the result of a hazardous material exposure

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TABLE 4-2 REPORTABLE CONDITIONS TO EMPLOYEES ON DUTY, BY RAILROAD, 2000

RR	Total		Deaths		Nonfatal		Days Absent			Absent Cases		Term./	Days Restricted			Hazma
	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Avg	Cnt	%	Trans.	Cnt	%	Avg	t Exp.
ALS	22	0.3	-	0.0	22	0.3	294	0.1	13	15	0.3	-	7	0.0	0	-
ARR	40	0.5	1	4.2	39	0.5	416	0.1	10	23	0.4	-	348	0.5	9	-
ATK	920	10.9	-	0.0	920	10.9	27,148	7.4	30	756	13.1	-	728	1.1	1	-
BAR	26	0.3	-	0.0	26	0.3	338	0.1	13	23	0.4	-	130	0.2	5	-
BLE	5	0.1	-	0.0	5	0.1	3	0.0	1	1	0.0	-	4	0.0	1	-
BNSF	1,059	12.5	6	25.0	1,053	12.5	34,112	9.3	32	507	8.8	-	39,891	59.2	38	7
BRC	5	0.1	-	0.0	5	0.1	71	0.0	14	3	0.1	-	10	0.0	2	-
CRSH	32	0.4	-	0.0	32	0.4	2,740	0.7	86	26	0.4	1	0	0.0	0	-
CSX	998	11.8	2	8.3	996	11.8	78,154	21.3	78	819	14.1	5	919	1.4	1	4
DH	40	0.5	-	0.0	40	0.5	699	0.2	17	25	0.4	-	5	0.0	0	-
DME	19	0.2	1	4.2	18	0.2	567	0.2	30	9	0.2	-	98	0.1	5	-
DMIR	37	0.4	-	0.0	37	0.4	222	0.1	6	10	0.2	-	340	0.5	9	-
DWP	3	0.0	-	0.0	3	0.0	90	0.0	30	1	0.0	-	0	0.0	0	-
EJE	32	0.4	-	0.0	32	0.4	969	0.3	30	17	0.3	-	303	0.4	9	1
FEC	26	0.3	-	0.0	26	0.3	424	0.1	16	13	0.2	-	24	0.0	1	-
GRS	28	0.3	-	0.0	28	0.3	610	0.2	22	17	0.3	2	143	0.2	5	-
GTW	108	1.3	-	0.0	108	1.3	5,693	1.5	53	75	1.3	7	71	0.1	1	-
GWW																
R	2	0.0	-	0.0	2	0.0	3	0.0	2	1	0.0	-	60	0.1	30	-
IC	159	1.9	1	4.2	158	1.9	7,042	1.9	44	115	2.0	13	615	0.9	4	2
IHB	37	0.4	1	4.2	36	0.4	1,186	0.3	32	23	0.4	-	231	0.3	6	-
IMRL	51	0.6	-	0.0	51	0.6	991	0.3	19	36	0.6	1	66	0.1	1	-
KCS	77	0.9	-	0.0	77	0.9	1,181	0.3	15	36	0.6	1	729	1.1	9	1
LI	350	4.1	-	0.0	350	4.2	7,105	1.9	20	333	5.8	-	4,157	6.2	12	-
MBTA	80	0.9	-	0.0	80	0.9	4,880	1.3	61	63	1.1	-	6	0.0	0	-
MNC																
W	367	4.3	-	0.0	367	4.4	9,761	2.7	27	207	3.6	-	3,404	5.1	9	-
MRL	21	0.2	-	0.0	21	0.2	1,056	0.3	50	15	0.3	-	187	0.3	9	-
NICD	25	0.3	-	0.0	25	0.3	144	0.0	6	15	0.3	1	129	0.2	5	-
NIRC	132	1.6	-	0.0	132	1.6	2,835	0.8	21	93	1.6	1	180	0.3	1	-
NJTR	141	1.7	-	0.0	141	1.7	4,280	1.2	30	119	2.1	-	38	0.1	0	-
NS	499	5.9	1	4.2	498	5.9	48,728	13.3	98	375	6.5	1	371	0.6	1	3
PAL	13	0.2	-	0.0	13	0.2	255	0.1	20	8	0.1	-	31	0.0	2	-
PATH	105	1.2	-	0.0	105	1.2	2,197	0.6	21	98	1.7	-	275	0.4	3	-
PCMZ	22	0.3	-	0.0	22	0.3	515	0.1	23	15	0.3	-	0	0.0	0	-
PTRA	8	0.1	-	0.0	8	0.1	286	0.1	36	7	0.1	1	13	0.0	2	-
SCAX	14	0.2	-	0.0	14	0.2	38	0.0	3	9	0.2	-	7	0.0	1	-
SEPA	142	1.7	-	0.0	142	1.7	3,455	0.9	24	110	1.9	-	291	0.4	2	2
SOO	147	1.7	2	8.3	145	1.7	5,755	1.6	39	103	1.8	-	390	0.6	3	-
TM	20	0.2	-	0.0	20	0.2	591	0.2	30	19	0.3	-	7	0.0	0	-
TRRA	7	0.1	-	0.0	7	0.1	178	0.0	25	5	0.1	-	210	0.3	30	-
UP	1,532	18.1	5	20.8	1,527	18.1	100,193	27.3	65	1,071	18.5	-	6,270	9.3	4	21
URR	21	0.2	-	0.0	21	0.2	1,160	0.3	55	13	0.2	-	123	0.2	6	-
WC	102	1.2	-	0.0	102	1.2	1,942	0.5	19	65	1.1	-	1,055	1.6	10	-
WE	16	0.2	-	0.0	16	0.2	185	0.1	12	10	0.2	-	208	0.3	13	-
XXXX	957	11.3	4	16.7	953	11.3	9,034	2.5	9	484	8.4	12	5,273	7.8	6	12
Tot.	8,447	100.0	24	100.0	8,423	100.0	367,526	100.0	44	5,788	100.0	46	67,347	100.0	8	53

XXXX = All other railroads

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TABLE 4-3 REPORTABLE CONDITIONS TO EMPLOYEES ON DUTY, BY STATE, 2000

	<u>Total</u>		<u>Deaths</u>		<u>Nonfatal</u>		<u>Days Absent</u>			<u>Absent Cases</u>		<u>Term./</u>	<u>Days Restricted</u>			<u>Hazmat</u>
	<u>Cnt</u>	<u>%</u>	<u>Cnt</u>	<u>%</u>	<u>Cnt</u>	<u>%</u>	<u>Cnt</u>	<u>%</u>	<u>Avg.</u>	<u>Cnt</u>	<u>%</u>	<u>Trans.</u>	<u>Cnt</u>	<u>%</u>	<u>Avg.</u>	<u>Exp.</u>
AL	90	1.1	-	0.0	90	1.1	5,935	1.6	66	68	1.2	-	890	1.3	10	1
AK	68	0.8	2	8.3	66	0.8	526	0.1	8	35	0.6	4	454	0.7	7	1
AZ	111	1.3	1	4.2	110	1.3	4,793	1.3	43	81	1.4	1	2,227	3.3	20	3
AR	179	2.1	1	4.2	178	2.1	12,417	3.4	69	131	2.3	-	659	1.0	4	2
CA	584	6.9	1	4.2	583	6.9	30,346	8.3	52	403	7.0	1	6,833	10.1	12	3
CO	80	0.9	-	0.0	80	0.9	3,485	0.9	44	47	0.8	-	1,133	1.7	14	-
CT	130	1.5	-	0.0	130	1.5	2,720	0.7	21	80	1.4	-	752	1.1	6	-
DE	33	0.4	-	0.0	33	0.4	1,611	0.4	49	19	0.3	-	66	0.1	2	1
DC	68	0.8	-	0.0	68	0.8	2,129	0.6	31	52	0.9	-	178	0.3	3	-
FL	176	2.1	1	4.2	175	2.1	8,308	2.3	47	125	2.2	-	97	0.1	1	-
GA	161	1.9	1	4.2	160	1.9	11,733	3.2	73	129	2.2	-	994	1.5	6	1
ID	46	0.5	-	0.0	46	0.5	2,588	0.7	56	31	0.5	-	108	0.2	2	-
IL	692	8.2	3	12.5	689	8.2	26,848	7.3	39	474	8.2	9	4,518	6.7	7	4
IN	236	2.8	1	4.2	235	2.8	14,794	4.0	63	159	2.7	4	515	0.8	2	1
IA	165	2.0	1	4.2	164	1.9	2,641	0.7	16	99	1.7	2	1,131	1.7	7	-
KS	146	1.7	1	4.2	145	1.7	3,786	1.0	26	66	1.1	1	1,303	1.9	9	2
KY	138	1.6	-	0.0	138	1.6	12,360	3.4	90	112	1.9	-	43	0.1	0	1
LA	212	2.5	2	8.3	210	2.5	10,425	2.8	49	142	2.5	4	636	0.9	3	5
ME	57	0.7	-	0.0	57	0.7	631	0.2	11	40	0.7	-	325	0.5	6	1
MD	84	1.0	-	0.0	84	1.0	5,162	1.4	61	68	1.2	-	185	0.3	2	-
MA	153	1.8	-	0.0	153	1.8	8,395	2.3	55	128	2.2	2	228	0.3	1	-
MI	216	2.6	-	0.0	216	2.6	10,003	2.7	46	136	2.3	7	320	0.5	1	-
MN	247	2.9	-	0.0	247	2.9	5,384	1.5	22	139	2.4	1	3,828	5.7	15	1
MS	71	0.8	-	0.0	71	0.8	2,316	0.6	33	42	0.7	1	618	0.9	9	1
MO	155	1.8	1	4.2	154	1.8	6,134	1.7	40	85	1.5	-	2,151	3.2	14	-
MT	98	1.2	-	0.0	98	1.2	3,306	0.9	34	50	0.9	-	1,986	2.9	20	-
NE	215	2.5	-	0.0	215	2.6	9,628	2.6	45	128	2.2	-	3,896	5.8	18	1
NV	19	0.2	-	0.0	19	0.2	643	0.2	34	12	0.2	-	49	0.1	3	-
NH	15	0.2	-	0.0	15	0.2	6	0.0	0	2	0.0	-	0	0.0	0	-
NJ	293	3.5	-	0.0	293	3.5	8,291	2.3	28	245	4.2	1	315	0.5	1	-
NM	76	0.9	-	0.0	76	0.9	1,642	0.4	22	35	0.6	-	3,630	5.4	48	-
NY	923	10.9	-	0.0	923	11.0	23,520	6.4	25	727	12.6	1	7,147	10.6	8	-
NC	74	0.9	-	0.0	74	0.9	5,475	1.5	74	60	1.0	-	104	0.2	1	1
ND	75	0.9	1	4.2	74	0.9	1,030	0.3	14	32	0.6	-	1,014	1.5	14	-
OH	270	3.2	-	0.0	270	3.2	19,691	5.4	73	203	3.5	3	541	0.8	2	1
OK	63	0.7	-	0.0	63	0.7	1,913	0.5	30	30	0.5	-	1,785	2.7	28	-
OR	110	1.3	-	0.0	110	1.3	3,214	0.9	29	73	1.3	-	1,081	1.6	10	2
PA	403	4.8	-	0.0	403	4.8	17,971	4.9	45	297	5.1	-	779	1.2	2	1
RI	17	0.2	-	0.0	17	0.2	1,028	0.3	60	15	0.3	-	46	0.1	3	-
SC	80	0.9	1	4.2	79	0.9	3,905	1.1	49	64	1.1	-	3	0.0	0	-
SD	30	0.4	1	4.2	29	0.3	857	0.2	29	14	0.2	-	374	0.6	12	-
TN	129	1.5	-	0.0	129	1.5	7,243	2.0	56	95	1.6	1	1,165	1.7	9	2
TX	512	6.1	2	8.3	510	6.1	31,730	8.6	62	337	5.8	2	5,484	8.1	11	13
UT	73	0.9	-	0.0	73	0.9	3,554	1.0	49	47	0.8	-	155	0.2	2	3
VT	22	0.3	-	0.0	22	0.3	20	0.0	1	6	0.1	-	119	0.2	5	-
VA	118	1.4	1	4.2	117	1.4	7,353	2.0	62	91	1.6	-	116	0.2	1	-
WA	175	2.1	-	0.0	175	2.1	5,530	1.5	32	104	1.8	-	3,778	5.6	22	-
WV	69	0.8	-	0.0	69	0.8	4,252	1.2	62	52	0.9	1	41	0.1	1	-
WI	191	2.3	1	4.2	190	2.3	4,397	1.2	23	115	2.0	-	1,937	2.9	10	1
WY	99	1.2	1	4.2	98	1.2	5,857	1.6	59	63	1.1	-	1,610	2.4	16	-
Tot.	8,447	100.0	24	100.0	8,423	100.0	367,526	100.0	44	5,788	100.0	46	67,347	100.0	8	53

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TABLE 4-4 REPORTABLE CONDITIONS TO EMPLOYEES ON DUTY, BY ACTIVITY, 2000

Activity	Kld	Nonfatal	Days Absent			Absent Cases		Term./	Days Restricted			Hazmat
			Cnt	%	Avg.	Cnt	%	Trans.	Cnt	%	Mean	Exp.
								Cnt				Cnt
Adjusting coupler	-	35	1,570	0.4	45	26	0.4	-	335	0.5	10	-
Adjusting drawbar	-	43	2,192	0.6	51	31	0.5	2	385	0.6	9	-
Adjusting, other	-	67	1,779	0.5	27	39	0.7	-	483	0.7	7	-
Applying rail anchor/fastener	-	16	509	0.1	32	9	0.2	-	101	0.1	6	-
Bending, stooping	1	153	4,827	1.3	31	108	1.9	-	1,235	1.8	8	-
Carrying	-	70	2,614	0.7	37	51	0.9	1	935	1.4	13	-
Chaining, cabling car or locomotive	-	12	108	0.0	9	6	0.1	-	20	0.0	2	-
Cleaning	-	115	2,478	0.7	22	74	1.3	-	228	0.3	2	-
Climbing over/on	-	156	6,995	1.9	45	107	1.8	3	2,628	3.9	17	-
Closing	-	126	3,664	1.0	29	79	1.4	1	477	0.7	4	-
Coupling electric cables	-	12	827	0.2	69	10	0.2	-	0	0.0	0	-
Coupling steam hose	-	1	2	0.0	2	1	0.0	-	0	0.0	0	-
Coupling air hose	-	74	4,525	1.2	61	50	0.9	-	226	0.3	3	-
Crossing over	1	25	2,048	0.6	79	23	0.4	-	185	0.3	7	-
Crossing or crawling under	-	6	108	0.0	18	2	0.0	-	77	0.1	13	-
Crossing between	-	7	876	0.2	125	7	0.1	-	126	0.2	18	-
Cutting rail	-	18	553	0.2	31	8	0.1	-	181	0.3	10	-
Cutting vegetation	-	19	166	0.0	9	13	0.2	-	90	0.1	5	-
Cutting, other	1	63	690	0.2	11	19	0.3	1	230	0.3	4	-
Digging, excavating	-	31	782	0.2	25	18	0.3	-	110	0.2	4	-
Driving (motor vehicle, forklift,	4	147	6,924	1.9	46	105	1.8	3	1,018	1.5	7	-
Flagging	-	10	348	0.1	35	8	0.1	-	0	0.0	0	-
Fueling	-	10	128	0.0	13	5	0.1	-	52	0.1	5	-
Getting on	-	123	7,745	2.1	63	99	1.7	2	813	1.2	7	-
Getting off	-	342	21,095	5.7	62	261	4.5	2	2,058	3.1	6	-
Grinding	-	37	237	0.1	6	12	0.2	-	43	0.1	1	-
Handling baggage	-	34	934	0.3	27	30	0.5	-	201	0.3	6	-
Handling car parts	-	30	402	0.1	13	17	0.3	-	206	0.3	7	-
Handling material, general	-	114	2,174	0.6	19	83	1.4	-	1,044	1.6	9	-
Handling locomotive parts	-	35	868	0.2	25	20	0.3	-	359	0.5	10	-
Handling wheels/trucks	-	10	171	0.0	17	5	0.1	-	274	0.4	27	3
Handling, other	-	141	3,338	0.9	24	100	1.7	-	526	0.8	4	-
Handling other track material/supp	-	54	1,272	0.3	24	19	0.3	-	489	0.7	9	-
Handling poles	-	1	0	0.0	0	-	-	-	0	0.0	0	-
Handling tie plates	-	20	353	0.1	18	10	0.2	-	244	0.4	12	-
Handling ties	-	46	902	0.2	20	21	0.4	1	276	0.4	6	-
Handling rail	-	36	828	0.2	23	22	0.4	-	268	0.4	7	-
Inspecting	1	92	4,285	1.2	46	59	1.0	1	685	1.0	7	3
Installing	-	78	2,743	0.7	35	41	0.7	-	316	0.5	4	-
Jumping from	-	50	3,857	1.0	77	39	0.7	-	574	0.9	11	-
Jumping onto	-	1	8	0.0	8	1	0.0	-	201	0.3	201	-
Laying	-	5	63	0.0	13	1	0.0	-	1	0.0	0	-
Lifting other material	-	202	7,044	1.9	35	136	2.3	-	1,306	1.9	6	-
Lifting equipment (tools, parts, etc.)	-	198	7,098	1.9	36	123	2.1	2	2,328	3.5	12	-
Lining switches	-	306	19,657	5.3	64	242	4.2	4	3,619	5.4	12	-
Lining, other	-	7	551	0.1	79	5	0.1	-	35	0.1	5	-
Loading/unloading	-	136	3,409	0.9	25	84	1.5	1	596	0.9	4	-
Maintaining	-	32	353	0.1	11	17	0.3	-	172	0.3	5	-
Opening	-	145	5,034	1.4	35	103	1.8	-	722	1.1	5	-
Opening/closing angle cock	-	24	866	0.2	36	14	0.2	-	106	0.2	4	-
Operating	-	307	17,876	4.9	58	229	4.0	2	2,495	3.7	8	5
Pulling pin lifter/operating uncou	-	91	3,792	1.0	42	59	1.0	-	741	1.1	8	1
Pulling	-	213	8,826	2.4	41	142	2.5	1	1,169	1.7	5	-
Pushing	-	84	3,215	0.9	38	55	1.0	1	360	0.5	4	-

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Activity			Days Absent			Absent Cases		Term./ Trans.	Days Restricted			Hazmat Exp.
	Kld	Nonfatal	Cnt	%	Avg.	Cnt	%	Cnt	Cnt	%	Mea n	Cnt
Reaching	-	62	1,078	0.3	17	27	0.5	-	713	1.1	12	-
Removing rail anchors/fasteners	-	24	184	0.1	8	10	0.2	-	134	0.2	6	-
Repairing	-	196	4,382	1.2	22	101	1.7	-	1,252	1.9	6	1
Riding	8	460	30,676	8.3	66	337	5.8	5	4,065	6.0	9	11
Running	-	33	1,432	0.4	43	27	0.5	-	371	0.6	11	-
Sitting	-	291	14,051	3.8	48	215	3.7	1	2,032	3.0	7	4
Spiking (installation/removal)	-	88	2,271	0.6	26	39	0.7	-	599	0.9	7	-
Standing	1	356	15,332	4.2	43	259	4.5	2	2,213	3.3	6	9
Stepping up	-	100	3,770	1.0	38	74	1.3	1	1,360	2.0	14	-
Stepping down	-	338	14,788	4.0	44	237	4.1	2	3,866	5.7	11	-
Stepping over	-	67	2,659	0.7	40	47	0.8	-	1,011	1.5	15	-
Uncoupling air hose	-	17	311	0.1	18	10	0.2	-	33	0.0	2	-
Uncoupling electric cables	-	6	336	0.1	56	3	0.1	-	0	0.0	0	-
Using hand tool	-	239	5,906	1.6	25	117	2.0	1	1,544	2.3	6	-
Using, other	-	36	594	0.2	17	18	0.3	-	549	0.8	15	-
Walking	4	1,426	73,273	19.9	51	1,103	19.1	5	11,966	17.8	8	16
Welding (includes field welding)	1	35	732	0.2	20	11	0.2	-	26	0.0	1	-
Handbrakes, applying	-	143	9,127	2.5	64	105	1.8	1	2,448	3.6	17	-
Handbrakes, releasing	-	89	7,645	2.1	86	72	1.2	-	995	1.5	11	-
Handbrakes, other	-	6	497	0.1	83	6	0.1	-	292	0.4	49	-
Derail, applying	-	10	559	0.2	56	7	0.1	-	20	0.0	2	-
Derail, removing	-	7	1,131	0.3	162	7	0.1	-	0	0.0	0	-
Other (Narrative must be provided)	2	184	3,083	0.8	17	108	1.9	-	509	0.8	3	-
Total	24	8,423	367,526	100.0	44	5,788	100.0	46	67,347	100.0	8	53

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

2/ Term = terminated, Trans = transferred

3/ Condition was the result of a hazardous material exposure

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TABLE 4-5 REPORTABLE CONDITIONS TO EMPLOYEES ON DUTY, BY EVENT, 2000

Event	Kld	Nonfatal	Days Absent		Absent Cases		Term./ Trans. Cnt	Days Restricted		Hazmat Exp. Cnt
			Cnt	%	Cnt	%		Cnt	%	
Aggravated pre-existing condition	-	127	6,761	1.8	91	1.6	3	927	1.4	-
Apprehending/removing from property	-	11	31	0.0	8	0.1	-	9	0.0	-
Assaulted by other	-	61	2,974	0.8	55	1.0	-	12	0.0	-
Assaulted by coworker	-	9	151	0.0	4	0.1	-	51	0.1	-
Bitten/stung by bee, spider, other insect	-	86	853	0.2	30	0.5	-	22	0.0	-
Bitten by animal	-	5	32	0.0	3	0.1	-	0	0.0	-
Bodily function/sudden movement, e.g.,sneez	-	195	7,587	2.1	124	2.1	-	3,378	5.0	-
Caught in/compressed by hand tools	-	36	202	0.1	8	0.1	-	372	0.6	-
Caught in/compressed by other machinery	1	68	1,586	0.4	38	0.7	1	679	1.0	-
Caught in/crushed by materials	-	93	1,334	0.4	40	0.7	-	604	0.9	-
Caught in/crushed in excavation, land slide	1	2	240	0.1	2	0.0	-	0	0.0	-
Caught in/compressed by powered hand tools	-	16	318	0.1	4	0.1	-	158	0.2	-
Cave in, slide, etc.	-	5	398	0.1	5	0.1	-	23	0.0	-
Climatic conditions, other (e.g., high wind	-	33	251	0.1	9	0.2	-	62	0.1	1
Climatic condition, exposure to environment	-	20	72	0.0	11	0.2	-	10	0.0	-
Collision - between on track equipment	3	142	9,453	2.6	112	1.9	4	1,355	2.0	-
Collision/impact – auto, truck, bus, van, e	1	237	10930	3.0	168	2.9	-	2,335	3.5	-
Committing vandalism/theft	-	1	7	0.0	1	0.0	-	0	0.0	-
Defective/malfunctioning equipment	-	129	8,221	2.2	94	1.6	1	1,541	2.3	-
Derailment	-	78	5,257	1.4	67	1.2	-	878	1.3	1
Electrical shock while operating welding e	-	2	28	0.0	2	0.0	-	5	0.0	-
Electrical shock due to contact with 3rd ra	-	16	510	0.1	11	0.2	-	226	0.3	-
Electrical shock, other (explain in narrati	-	14	512	0.1	11	0.2	-	64	0.1	-
Electrical shock from hand tool	-	5	5	0.0	4	0.1	-	10	0.0	-
Exposure to fumes - inhalation	-	134	2,567	0.7	99	1.7	-	223	0.3	36
Exposure to chemicals - external	-	35	352	0.1	18	0.3	-	0	0.0	10
Exposure to poisonous plants	-	20	257	0.1	11	0.2	-	48	0.1	-
Exposure to noise over time	-	5	14	0.0	3	0.1	-	0	0.0	1
Exposure to noise - single incident	-	23	956	0.3	14	0.2	-	82	0.1	-
Exposure to welding light	-	6	2	0.0	2	0.0	-	9	0.0	-
Highway-rail collision/impact	2	100	8,603	2.3	83	1.4	3	503	0.7	-
Horseplay, practical joke, etc.	-	7	227	0.1	5	0.1	-	33	0.0	-
Lost balance	-	341	20661	5.6	263	4.5	1	3,493	5.2	-
Missed handhold, grabiron, step, etc.	-	80	4,062	1.1	60	1.0	1	1,271	1.9	-
Needle puncture/prick/stick	-	16	48	0.0	4	0.1	-	17	0.0	-
Other impacts - on track equipment	-	21	2,029	0.6	15	0.3	-	117	0.2	-
Overexertion	-	1,432	73416	20.0	1,078	18.6	7	13,723	20.4	1
Pushed/shoved into/against	-	32	920	0.3	22	0.4	-	334	0.5	-
Pushed/shoved onto	-	2	273	0.1	2	0.0	-	18	0.0	-
Pushed/shoved from	-	10	609	0.2	9	0.2	-	18	0.0	-
Ran into on-track equipment	-	13	1,021	0.3	10	0.2	1	122	0.2	-
Ran into object/equipment	2	23	1,183	0.3	18	0.3	-	208	0.3	-
Repetitive motion - work processes	-	98	3,343	0.9	59	1.0	-	1,380	2.0	-
Repetitive motion - typing, keyboard, etc.	-	16	334	0.1	11	0.2	-	76	0.1	-
Repetitive motion - tools	-	40	1,404	0.4	21	0.4	-	386	0.6	-
Repetitive motion - other (describe in narr	-	16	367	0.1	7	0.1	-	74	0.1	-
Rubbed, abraded, etc.	-	19	1	0.0	1	0.0	-	37	0.1	-
Shot	-	1	11	0.0	1	0.0	-	0	0.0	-
Slack action, draft, compressive buff/coupl	-	70	5,371	1.5	53	0.9	-	858	1.3	-
Slipped,fell,stumbled,etc. due to irregular	-	295	14021	3.8	214	3.7	1	4,861	7.2	-
Slipped, fell, stumbled, etc. due to climat	-	374	19154	5.2	292	5.0	5	2,386	3.5	-
Slipped,fell,stumbled,etc. on oil, grease,e	-	185	10902	3.0	139	2.4	2	1,275	1.9	-
Slipped,fell,stumbled,etc. due to object,ba	-	532	30501	8.3	417	7.2	3	5,086	7.6	-
Stabbing, knifing, etc.	-	8	134	0.0	2	0.0	-	0	0.0	-

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Event	KId	Nonfatal	Days Absent		Absent Cases		Term./	Days		Hazmat
			Cnt	%	Cnt	%	Trans.	Restricted	Exp.	
							Cnt	Cnt	%	Cnt
Stepped on object	-	161	6,567	1.8	115	2.0	-	1,279	1.9	-
Struck by thrown or propelled object	-	109	1,924	0.5	55	1.0	-	821	1.2	-
Struck by object	-	493	10217	2.8	243	4.2	1	1,362	2.0	-
Struck by on-track equipment	8	65	4,853	1.3	47	0.8	1	385	0.6	1
Struck by falling object	-	205	6,015	1.6	136	2.3	2	1,421	2.1	-
Struck against object	-	368	8,297	2.3	221	3.8	1	2,542	3.8	-
Sudden release of air	-	23	355	0.1	15	0.3	-	48	0.1	-
Sudden/unexpected movement of material	-	150	4,875	1.3	82	1.4	-	1,809	2.7	1
Sudden/unexpected movement of on-track equ	-	124	6,858	1.9	94	1.6	-	1,864	2.8	-
Sudden/unexpected movement of vehicle	-	57	3,133	0.9	42	0.7	2	381	0.6	-
Sustained viewing	-	1	0	0.0	-	-	-	0	0.0	-
Caught, crushed, pinched, other	2	263	6,485	1.8	166	2.9	-	1,394	2.1	-
On track equipment, other incidents	-	37	2,648	0.7	29	0.5	-	121	0.2	1
Slipped, fell, stumbled, other	1	374	24173	6.6	304	5.3	-	1,836	2.7	-
Sudden, unexpected movement, other	-	220	12784	3.5	165	2.9	1	800	1.2	-
Other (describe in narrative)	3	428	7,886	2.1	239	4.1	5	1,925	2.9	-
Total	24	8,423	368E3	100.0	5,788	100.0	46	67,347	100.0	53

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

2/ Term = terminated, Trans = transferred

3/ Condition was the result of a hazardous material exposure

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TABLE 4-6 REPORTABLE CONDITIONS TO EMPLOYEES ON DUTY, BY LOCATION, 2000

Location			Days Absent			Absent Cases		Term./ Trans.	Days Restricted			Hazmat Exp.
	Kld	Nonfatal	Cnt	%	Avg.	Cnt	%	Cnt	Cnt	%	Mea n	Cnt
Main/branch	9	2,347	100,204	27.3	43	1,594	27.5	14	20,648	30.7	9	11
Yard	8	2,919	159,095	43.3	54	2,135	36.9	20	21,823	32.4	7	26
Siding	-	229	8,956	2.4	39	138	2.4	2	2,390	3.5	10	1
Industry	2	440	24,466	6.7	55	309	5.3	4	4,255	6.3	10	8
Repair	-	244	6,640	1.8	27	124	2.1	1	2,222	3.3	9	-
Break/lunch room	-	29	1,437	0.4	50	20	0.3	-	343	0.5	12	-
Freight terminal	-	36	1,702	0.5	47	27	0.5	-	697	1.0	19	-
Highway/roadway	2	269	10,159	2.8	37	190	3.3	-	2,361	3.5	9	-
Loading dock	1	42	1,161	0.3	27	28	0.5	-	534	0.8	12	-
Lodging facility	-	4	37	0.0	9	2	0.0	-	114	0.2	29	-
Office environment	-	186	3,526	1.0	19	119	2.1	-	521	0.8	3	3
Parking lot	-	84	2,331	0.6	28	45	0.8	-	337	0.5	4	-
Passenger terminal	-	457	13,947	3.8	31	378	6.5	-	2,133	3.2	5	-
Repair shop	1	832	24,298	6.6	29	504	8.7	3	7,448	11.1	9	4
Storage facility	1	80	1,794	0.5	22	39	0.7	1	380	0.6	5	-
Sidewalk/walkway	-	42	1,501	0.4	36	26	0.4	-	407	0.6	10	-
Other, (off site location	-	64	2,929	0.8	46	37	0.6	1	243	0.4	4	-
Other (explain in narrati	-	54	1,639	0.4	30	35	0.6	-	200	0.3	4	-
Other location (describe	-	65	1,704	0.5	26	38	0.7	-	291	0.4	4	-
Total	24	8,423	367,526	100.0	44	5,788	100.0	46	67,347	100.0	8	53

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

2/ Term = terminated, Trans = transferred

3/ Condition was the result of a hazardous material exposure

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TABLE 4-7 REPORTABLE CONDITIONS TO EMPLOYEES ON DUTY, 2000

Executives, Officials, and Staff Assistants

Job Titles	---Total---			--- Days ---	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Executives, officials, and staff assistants (miscellaneous)	-	3	-	0	16
Executives and general officers	-	3	-	0	0
Corporate staff managers	-	8	-	52	45
Regional/division officers, assistants and staff assistants	1	10	-	580	14
Transportation officers/managers	-	9	-	282	71
Total	1	33	-	914	146

Professional and Administrative

Job Titles	---Total---			--- Days ---	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Professional and administrative (miscellaneous)	-	6	-	9	19
Professional	-	5	1	20	0
Subprofessionals	-	15	-	257	92
General and administrative supervisors	-	19	-	474	5
Sales and traffic representatives and agents	-	40	3	973	0
Freight and other claim agents and investigators	-	3	-	2	0
Lieutenants and sergeants of police	-	11	-	447	84
Police officers, watchmen, guards (except crossing & bridge)	-	30	1	401	137
Inspectors, (except MOW & MOE), other investigators, etc	-	3	-	138	21
Buyers, and sales agents	-	3	-	53	0
Clerical technicians and clerical specialists	-	18	1	532	50
Office machine and data equipment operators	-	10	-	334	13
Secretaries, stenographers, and typists	-	9	2	76	0
General/other clerks (except yd clerk and crew dispatcher)	-	90	4	3,138	454
Telephone and switchboard operators	-	2	-	63	0
Building and office attendants	-	26	-	319	254
Messengers and office persons	-	2	-	3	4
Motor vehicle operators	-	52	-	1,010	192
Total	-	344	12	8,249	1,325

Maintenance of Way and Structures

Job Titles	---Total---			--- Days ---	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Maintenance of way and structures (miscellaneous)	-	44	1	783	243
Supervisors, MOW, structures, communication & signals	1	53	-	1,235	621
MOW, structures, comm. & signals, & scale inspectors	-	34	3	893	105
Bridge and building gang foreman	-	31	-	1,040	514
Bridge and building carpenters	-	61	2	1,888	1,028
Bridge and building ironworkers	-	25	-	116	123
Bridge and building painters	-	9	-	61	93
Masons, bricklayers, plasterers, and plumbers	-	62	2	1,708	283
Bridge and building helpers and apprentices	-	32	-	1,316	51
Bridge/building gang and bridge/building dept laborers	-	49	2	1,908	1,037
Track gang foremen (extra gang work train laborers)	1	63	1	2,654	330
Gang or section foreman	-	141	2	3,847	1,422
Extra gang laborers	1	186	2	3,904	951
Section laborers	-	422	5	9,381	2,779
Machine operators	1	308	5	12,034	1,695
Gang foremen, communications and signals	-	30	-	741	221

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Executives, Officials, and Staff Assistants

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Signalmen and signal maintainers	-	215	10	8,404	1,167
Linemen and groundmen and communications craftsman	-	71	3	2,415	131
Assistant signalmen and assistant signal maintainers	1	40	-	736	302
Signal helpers and signal maintainer helpers	-	22	-	419	213
Camp car cooks	-	13	-	85	74
Total	5	1,911	38	55,568	13,383

Maintenance of Equipment and Stores

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Maintenance of equipment and stores (miscellaneous)	-	18	-	52	178
Supervisors and general foremen, maintenance of equipment	-	20	-	370	150
Supervisors and general foremen, materials and stores	-	2	-	0	0
Equipment, shop, electrical inspectors	-	10	-	218	30
Materials and supplies inspectors	-	5	-	83	11
Storekeeper	1	21	-	287	85
Gang foremen, maintenance of equipment	-	40	-	1,861	80
Blacksmiths	-	12	1	435	83
Boilermakers	-	16	-	720	188
Carmen (freight)	-	393	7	14,871	3,869
Carmen (other)	-	236	1	7,403	1,386
Electrical workers (A)	-	247	3	7,585	1,778
Electrical workers (B)	-	16	-	537	48
Electrical workers (C)	-	7	-	241	10
Machinists	-	315	1	10,798	2,726
Sheet metal workers	-	76	2	3,549	866
Skilled trades, helpers, maintenance of equipment and stores	-	46	-	874	1,067
Apprentices, maintenance of equipment and stores	-	12	-	56	57
Coach cleaners	-	162	2	4,750	999
Laborers: shops, enginehouses and power plants	1	145	2	5,503	1,962
Gang foremen, materials and stores	-	1	-	40	0
Equipment operators/general laborers, materials and stores	1	23	-	143	177
Stationary engineers	-	1	-	2	0
Stationary firemen	-	5	-	70	9
Total	3	1,829	19	60,448	15,759

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)	-	7	-	1	6
Transportation supervisor and chief train dispatcher	-	3	-	13	7
Train dispatchers	-	2	-	42	0
Station, freight and passenger agents	-	20	-	715	142
Clerk operators, towerman, train directors	-	14	2	740	5
Station masters & assts, super bag. agents, bag. agents, etc	-	14	-	230	61
Baggage, parcel room and station attendents	-	43	-	1,241	13
Gen/asst gnrl foremen, stations, warehouses, grain elev., docks	-	10	-	457	68
Gang foreman, stations, warehouses, grain elevators, docks	-	1	-	0	0
Grain elevator, and dock laborers	-	14	-	215	501
Station, and warehouse laborers	-	10	-	424	18
Truckers (station, warehouse and platforms)	-	4	-	10	2
Food and lodging manager, supervisors	-	4	-	54	18
Waiters and kitchen helpers (restaurant and dining car)	-	14	-	47	22

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Executives, Officials, and Staff Assistants

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Chefs and cooks (restaurant and dining car)	-	37	1	670	75
Train attendants	-	124	2	2,321	50
Bridge operators and helpers	-	2	-	24	0
Bridge and crossing flagmen and gatemen	-	1	-	5	0
Yards clerks	-	14	1	115	133
Crew dispatchers	-	4	-	59	16
Yardmasters and assistant yardmasters	-	11	-	871	202
Total	-	353	6	8,254	1,339

Transportation, Train and Engine

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Transportation, train and engine (miscellaneous)	-	27	-	542	57
Switchtenders	-	27	-	2,806	39
Car retarder operators and ground service employees	-	2	-	510	0
Outside hostlers	-	21	1	852	369
Outside hostler helpers	-	20	1	1,005	86
Inside hostler	-	4	-	207	14
Road passenger conductors	-	278	3	8,463	840
Assistant road passenger conductors and ticket collectors	-	162	3	6,018	69
Road freight conductors (through freight)	2	618	9	44,545	8,511
Road freight conductors (local and way freight)	2	401	5	23,819	2,972
Road passenger baggageperson	-	2	-	10	0
Road Passenger brakemen and flagmen	-	16	-	923	272
Road freight brakemen and flagmen (through freight)	-	67	-	5,459	1,700
Road freight brakemen and flagmen (local and way freight)	2	286	-	20,723	2,534
Yard conductors and yard foremen	6	491	4	29,176	3,601
Yard brakemen and yard helpers	2	515	4	31,437	5,275
Road passenger engineers and motormen	-	146	6	4,584	395
Road freight engineers (through freight)	-	365	9	26,851	5,751
Road freight engineers (local and way freight)	1	189	4	13,713	696
Yard engineers	-	180	3	12,114	1,863
Road passenger firemen and helpers	-	3	2	38	351
Road freight firemen and helpers (through freight)	-	3	-	188	0
Road freight firemen and helpers (local and way freight)	-	1	-	110	0
Total	15	3,824	54	234,093	35,395

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TABLE 4-8 OCCUPATIONAL ILLNESSES OF EMPLOYEES ON DUTY, BY RAILROAD, 2000

RR	Total		Kld Cnt	Nonfatal Cnt	Days Absent			Absent Cases		Term./ Trans. Cnt	Days Restricted			Hazmat Exp. Cnt
	Cnt	%			Cnt	%	Avg.	Cnt	%		Cnt	%	Mea n	
ARR	1	0.8	-	1	4	0.1	4	1	1.3	-	18	1.6	18	-
ATK	19	14.7	-	19	536	16.7	28	14	17.9	-	0	0.0	0	-
BNSF	28	21.7	-	28	706	22.0	25	14	17.9	-	1,020	88.9	36	2
CSX	7	5.4	-	7	367	11.4	52	4	5.1	1	0	0.0	0	-
FEC	1	0.8	-	1	0	0.0	0	-	-	-	19	1.7	19	-
GTW	1	0.8	-	1	24	0.7	24	1	1.3	-	0	0.0	0	-
IC	1	0.8	-	1	0	0.0	0	-	-	-	0	0.0	0	-
IHB	6	4.7	-	6	40	1.2	7	1	1.3	-	6	0.5	1	-
IMRL	2	1.6	-	2	9	0.3	5	2	2.6	-	0	0.0	0	-
KCS	2	1.6	-	2	60	1.9	30	1	1.3	-	0	0.0	0	-
LI	2	1.6	-	2	17	0.5	9	2	2.6	-	10	0.9	5	-
MNC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
W	1	0.8	-	1	2	0.1	2	1	1.3	-	0	0.0	0	-
NIRC	5	3.9	-	5	50	1.6	10	2	2.6	-	0	0.0	0	-
NJTR	2	1.6	-	2	17	0.5	9	1	1.3	-	0	0.0	0	-
NS	3	2.3	-	3	434	13.5	145	3	3.8	-	0	0.0	0	-
PATH	5	3.9	-	5	118	3.7	24	5	6.4	-	0	0.0	0	-
PCMZ	1	0.8	-	1	0	0.0	0	-	-	-	0	0.0	0	-
SEPA	1	0.8	-	1	10	0.3	10	1	1.3	-	0	0.0	0	-
SOO	4	3.1	-	4	104	3.2	26	3	3.8	-	0	0.0	0	-
TM	2	1.6	-	2	68	2.1	34	2	2.6	-	0	0.0	0	-
UP	10	7.8	-	10	488	15.2	49	7	9.0	-	16	1.4	2	-
URR	1	0.8	-	1	1	0.0	1	1	1.3	-	0	0.0	0	-
WC	3	2.3	-	3	53	1.7	18	1	1.3	-	21	1.8	7	-
XXXX	21	16.3	-	21	99	3.1	5	11	14.1	-	38	3.3	2	1
Total	129	100.0	-	129	3,207	100.0	25	78	100.0	1	1,148	100.0	9	3

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

XXXX = all other railroads

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TABLE 4-9 OCCUPATIONAL ILLNESSES OF EMPLOYEES ON DUTY, 2000

Illness	Total		Kld Cnt	Nonfatal Cnt	Days Absent Cnt	Absent Cases Cnt	Term./ Trans. Cnt	Days Restricted Cnt	Hazmat Exp. Cnt
	Cnt	%							
Skin Diseases	1	0.8	-	1	0	-	-	13	-
Rashes	19	14.7	-	19	31	9	-	6	-
Misc. skin diseases/disorders	1	0.8	-	1	0	-	-	0	-
Asbestosis	1	0.8	-	1	0	-	-	0	-
Pneumonitis	1	0.8	-	1	0	-	-	5	1
Acute congestion, dust/gas/etc.	2	1.6	-	2	32	2	-	16	1
Misc. respiratory conditions	8	6.2	-	8	132	5	-	0	1
Heat/sun stroke	1	0.8	-	1	0	-	-	0	-
Heat exhaustion	12	9.3	-	12	21	7	-	0	-
Freezing/frostbite	3	2.3	-	3	37	3	-	0	-
Misc. disorders, physical agents	2	1.6	-	2	0	-	-	0	-
Noise induced hearing loss	1	0.8	-	1	0	-	-	0	-
Synovitis	6	4.7	-	6	245	3	-	100	-
Tenosynovitis	9	7.0	-	9	303	5	-	153	-
Bursitis	3	2.3	-	3	34	1	-	9	-
Raynaud's phenomena	1	0.8	-	1	0	-	-	16	-
Carpal tunnel syndrome	17	13.2	-	17	598	11	-	50	-
Misc. repeated trauma condition	17	13.2	-	17	658	10	-	780	-
Stress related syndromes	11	8.5	-	11	312	11	-	0	-
Misc. illnesses, unclassified	2	1.6	-	2	3	1	-	0	-
Emotional trauma/nervous shock	11	8.5	-	11	801	10	1	0	-
Total	129	100.0	-	129	3,207	78	1	1,148	3

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 1997 was \$6,500, and in 1998 it was \$6,600.

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

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

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

The tables displaying train accidents counts by railroad, are the number of events that a railroad was involved in, regardless of whether or not that railroad's operations were the primary reason the accident occurred. This is done because all railroads are required to report the extent of their involvement in the accident, no matter whether there is agreement on the cause of the accident.

A form must be completed for each consist involved in an accident. The railroad responsible for the 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;

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2. Damage to out-of-service cars resulting from high water or flooding, e.g., empties placed on storage or repair track. This exclusion does not apply if such cars are placed into a moving consist and as a result of this damage, a reportable rail equipment accident results.

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

Car. A unit of on-track equipment, either

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

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

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

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

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

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

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

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

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CHAPTER 5

TRAIN ACCIDENTS

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TABLE 5-1 TRAIN ACCIDENTS BY RAILROAD, TYPE, AND MAJOR CAUSE, 2000

Railroad	Total		Type of Accident				Reportable Damage		Casualties		Causes					
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
Alton & Southern	6	0.2	-	3	-	3	195,543	0.1	0	0	1	-	1	-	2	2
Alaska RR Corp.	2	0.1	-	2	-	-	317,100	0.1	0	0	-	-	1	-	-	1
Amtrak	187	5.4	8	80	39	60	11,277,149	4.1	13	136	19	39	38	15	1	75
Bangor & Aroostook	6	0.2	1	5	-	-	293,999	0.1	0	0	1	-	1	1	-	3
Bessemer & Lake Erie RR	2	0.1	-	1	-	1	33,252	0.0	0	0	-	-	2	-	-	-
Burlington Northern Santa Fe	605	17.4	18	436	32	119	65,948,039	23.7	6	44	111	32	203	64	14	181
Belt Rwy Of Chicago	20	0.6	3	9	-	8	382,514	0.1	0	0	3	-	7	8	1	1
Conrail Shared Assets	44	1.3	9	28	4	3	1,840,952	0.7	1	2	-	4	28	4	1	7
CSX Transportation	511	14.7	52	340	27	92	28,589,874	10.3	3	23	25	27	238	83	6	132
Delaware & Hudson	9	0.3	-	7	-	2	1,596,404	0.6	0	0	1	-	4	2	-	2
Dakota,Minnesota & Eastern	23	0.7	-	18	-	5	2,771,313	1.0	1	1	1	-	6	5	-	11
Duluth,Missabe & Iron Range	7	0.2	-	7	-	-	669,277	0.2	0	0	5	-	1	-	-	1
Duluth,Winnipeg & Pacific	4	0.1	-	4	-	-	144,650	0.1	0	0	-	-	-	-	-	4
Elgin, Joliet & Eastern	10	0.3	3	4	-	3	429,506	0.2	0	0	-	-	7	1	-	2
Florida East Coast	18	0.5	-	17	-	1	472,955	0.2	0	0	3	-	4	-	-	11
Guilford Rail System	9	0.3	-	6	-	3	150,800	0.1	0	0	1	-	4	-	-	4
Grand Trunk Western RR	20	0.6	1	14	-	5	516,866	0.2	0	3	4	-	9	3	1	3
Gateway Western	10	0.3	-	7	1	2	680,181	0.2	1	0	2	1	4	-	-	3
Illinois Central	76	2.2	3	39	5	29	5,060,437	1.8	2	12	6	5	38	2	1	24
Indiana Harbor Belt	26	0.7	6	16	-	4	462,904	0.2	0	0	2	-	20	-	-	4
I & M Rail Link, LLC	41	1.2	5	25	4	7	4,071,377	1.5	1	4	4	4	18	3	-	12
Kansas City Southern	104	3.0	18	58	10	18	5,326,812	1.9	1	6	15	10	50	8	-	21
Long Island Rail Road	21	0.6	-	8	3	10	1,305,427	0.5	0	5	3	3	5	7	1	2
MD Assn. of Rail Comm	2	0.1	1	1	-	-	211,000	0.1	0	0	1	-	1	-	-	-
Mass Bay Transit Auth.	1	0.0	-	-	-	1	18,000	0.0	0	0	-	-	-	1	-	-
Metro North Commuter	39	1.1	-	2	1	36	1,140,416	0.4	1	5	22	1	2	9	-	5
Montana Rail Link	14	0.4	1	5	1	7	273,313	0.1	0	1	3	1	8	1	-	1
Northern IN Comm Trans	1	0.0	-	1	-	-	14,088	0.0	0	0	-	-	1	-	-	-
Northeast IL Reg Comm	5	0.1	2	2	-	1	1,525,358	0.5	0	3	-	-	3	2	-	-
New Jersey Transit Rail	17	0.5	1	5	-	11	412,921	0.1	0	1	2	-	8	1	-	6
Norfolk Southern Corp.	299	8.6	54	191	24	30	13,557,181	4.9	3	15	36	24	114	35	13	77
Paducah & Louisville	3	0.1	2	-	-	1	61,267	0.0	0	0	-	-	2	-	-	1
Port Auth Trans Hudson	2	0.1	-	1	-	1	204,745	0.1	0	0	-	-	-	1	-	1
Peninsula Comm San Mateo Cnty	3	0.1	-	1	1	1	60,816	0.0	1	3	-	1	-	1	-	1
Port Terminal RR Assn	13	0.4	-	4	-	9	405,146	0.1	0	1	-	-	10	-	-	3
Southern CA Reg Rail Auth.	7	0.2	-	1	6	-	1,144,598	0.4	0	2	-	6	-	1	-	-
Southeastern PA Trans.	18	0.5	4	3	2	9	616,568	0.2	1	11	5	2	4	6	-	1
Soo Line	25	0.7	-	9	2	14	1,487,905	0.5	0	0	4	2	10	6	1	2
Texas Mexican	10	0.3	-	8	1	1	2,518,700	0.9	0	3	3	1	1	-	-	5
Term RR Assn Of St. Louis	7	0.2	-	6	-	1	100,088	0.0	0	0	2	-	-	1	-	4
Union Pacific	844	24.3	52	583	86	123	101,054,437	36.4	26	71	84	86	254	89	28	303
Union RR (Pittsburgh)	7	0.2	-	6	-	1	180,192	0.1	0	0	-	-	2	1	1	3
Wisconsin Central Ltd.	51	1.5	4	33	3	11	1,980,378	0.7	1	11	8	3	23	5	-	12
Wheeling & Lake Erie	8	0.2	-	8	-	-	337,875	0.1	0	0	-	-	-	1	-	7
Other Railroads	338	9.7	20	268	6	44	18,146,890	6.5	1	50	21	6	109	19	-	183

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

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TABLE 5-2 TRAIN ACCIDENTS BY STATE, TYPE, AND MAJOR CAUSE, 2000

State	Total		Type of Accident				Reportable Damage		Casualties		Causes					
	Accs	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
Alabama	55	1.7	7	40	4	4	6,258,335	2.3	0	4	2	4	17	6	1	25
Alaska	2	0.1	-	2	-	-	317,100	0.1	0	0	-	-	1	-	-	1
Arizona	51	1.6	2	37	3	9	8,066,735	2.9	5	6	7	3	18	5	-	18
Arkansas	83	2.6	7	51	11	14	4,816,324	1.7	5	8	4	11	21	7	9	31
California	203	6.4	13	139	20	31	23,090,788	8.3	6	42	16	20	73	21	7	66
Colorado	61	1.9	2	44	4	11	10,728,094	3.9	3	3	13	4	19	7	-	18
Connecticut	37	1.2	-	8	1	28	1,073,251	0.4	1	2	14	1	5	5	-	12
Delaware	8	0.3	-	5	1	2	282,982	0.1	0	1	-	1	2	-	-	5
Dist Of Columbi	15	0.5	-	10	-	5	820,294	0.3	0	0	4	-	1	1	-	9
Florida	75	2.3	3	54	9	9	3,210,117	1.2	0	17	5	9	24	9	-	28
Georgia	75	2.3	9	45	9	12	4,302,706	1.5	1	1	6	9	24	16	1	19
Idaho	27	0.8	-	22	2	3	3,866,180	1.4	2	0	3	2	3	5	-	14
Illinois	240	7.5	23	148	9	60	13,586,267	4.9	3	15	30	9	113	25	5	58
Indiana	83	2.6	15	49	4	15	2,839,447	1.0	0	4	3	4	47	9	1	19
Iowa	90	2.8	5	59	8	18	10,630,893	3.8	0	7	10	8	32	4	-	36
Kansas	94	2.9	2	76	3	13	15,064,604	5.4	0	35	12	3	35	5	2	37
Kentucky	47	1.5	9	28	3	7	2,595,315	0.9	0	0	2	3	23	3	-	16
Louisiana	96	3.0	12	48	17	19	9,049,555	3.3	4	33	6	17	41	5	4	23
Maine	13	0.4	1	10	-	2	422,073	0.2	0	0	1	-	5	1	-	6
Maryland	51	1.6	5	26	-	20	4,542,142	1.6	1	5	6	-	16	11	-	18
Massachusetts	23	0.7	2	13	-	8	781,058	0.3	0	0	4	-	12	2	-	5
Michigan	52	1.6	4	36	5	7	3,393,465	1.2	1	8	7	5	19	7	-	14
Minnesota	87	2.7	1	55	7	24	5,970,205	2.1	0	3	14	7	23	13	1	29
Mississippi	69	2.2	6	44	8	11	3,347,282	1.2	3	0	7	8	23	6	-	25
Missouri	87	2.7	7	63	4	13	10,931,474	3.9	3	7	17	4	31	4	-	31
Montana	31	1.0	2	19	1	9	2,434,951	0.9	1	2	8	1	11	2	-	9
Nebraska	85	2.7	5	65	3	12	15,862,915	5.7	0	2	16	3	21	13	7	25
Nevada	12	0.4	1	8	-	3	935,491	0.3	0	0	6	-	4	1	-	1
New Jersey	59	1.8	7	28	3	21	2,965,829	1.1	2	3	3	3	34	6	1	12
New Mexico	27	0.8	2	19	2	4	1,722,159	0.6	0	2	5	2	9	5	-	6
New York	144	4.5	4	79	5	56	8,234,715	3.0	1	23	18	5	63	23	5	30
North Carolina	34	1.1	5	15	6	8	1,719,720	0.6	2	4	5	6	11	7	-	5
North Dakota	25	0.8	-	19	1	5	2,432,417	0.9	0	1	4	1	6	2	-	12
Ohio	124	3.9	15	88	4	17	6,465,976	2.3	0	8	5	4	51	20	3	41
Oklahoma	67	2.1	2	48	6	11	6,175,803	2.2	0	10	11	6	13	9	3	25
Oregon	42	1.3	4	32	1	5	4,729,176	1.7	0	1	5	1	13	2	3	18
Pennsylvania	130	4.1	18	88	3	21	7,109,240	2.6	1	20	17	3	45	13	9	43
Rhode Island	1	0.0	-	-	-	1	11,313	0.0	0	0	-	-	-	-	-	1
South Carolina	30	0.9	3	22	2	3	4,463,155	1.6	1	40	2	2	13	5	-	8
South Dakota	22	0.7	-	18	-	4	2,726,735	1.0	1	2	4	-	4	6	-	8
Tennessee	66	2.1	6	47	-	13	2,041,703	0.7	1	3	3	-	23	9	3	28
Texas	307	9.6	17	207	33	50	25,296,771	9.1	12	68	31	33	103	26	2	112
Utah	38	1.2	5	26	-	7	3,573,078	1.3	0	5	1	-	21	3	-	13
Vermont	4	0.1	-	4	-	-	222,144	0.1	0	0	1	-	-	-	-	3
Virginia	46	1.4	1	40	2	3	4,524,833	1.6	1	1	9	2	10	9	1	15
Washington	43	1.3	1	34	2	6	5,866,070	2.1	0	2	6	2	19	2	1	13
West Virginia	15	0.5	-	14	-	1	1,549,348	0.6	0	0	1	-	2	1	-	11
Wisconsin	67	2.1	2	49	4	12	2,783,088	1.0	1	13	9	4	26	8	-	20
Wyoming	50	1.6	3	31	-	16	14,155,897	5.1	1	2	9	-	17	10	1	13
Total	3,193	100.0	238	2,112	210	633	277,989,213	100.0	63	413	372	210	1,147	359	70	1,035

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TABLE 5-3 TRAIN ACCIDENTS BY MONTH, TYPE, AND MAJOR CAUSE, 2000

Day	Total		Type of Accident				Reportable Damage		Casualties		Causes					
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
January	269	8.4	18	169	16	66	26,014,625	9.4	5	21	36	16	92	28	3	94
February	263	8.2	23	173	16	51	17,816,042	6.4	3	31	27	16	95	31	12	82
March	277	8.7	25	179	17	56	19,503,070	7.0	8	83	21	17	98	36	8	97
April	240	7.5	12	171	8	49	18,403,030	6.6	2	10	37	8	93	21	4	77
May	267	8.4	22	181	13	51	29,660,043	10.7	2	22	37	13	98	38	7	74
June	261	8.2	18	167	24	52	20,900,983	7.5	11	30	21	24	87	30	6	93
July	283	8.9	22	181	18	62	20,776,218	7.5	6	22	32	18	102	34	3	94
August	266	8.3	20	177	19	50	22,697,252	8.2	6	56	37	19	103	30	6	71
September	270	8.5	20	175	23	52	24,721,726	8.9	8	36	35	23	96	29	5	82
October	274	8.6	25	177	16	56	29,324,603	10.5	5	25	28	16	117	31	4	78
November	253	7.9	18	173	20	42	24,032,736	8.6	6	26	29	20	75	23	5	101
December	270	8.5	15	189	20	46	24,138,885	8.7	1	51	32	20	91	28	7	92
Total	3,193	100.0	238	2,112	210	633	277,989,213	100.0	63	413	372	210	1,147	359	70	1,035

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

TABLE 5-4 TRAIN ACCIDENTS BY DAY, TYPE, AND MAJOR CAUSE, 2000

Day	Total		Type of Accident				Reportable Damage		Casualties		Causes					
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
Sunday	373	11.7	25	260	11	77	30,592,317	11.0	6	20	51	11	133	48	12	118
Monday	463	14.5	34	287	37	105	39,313,862	14.1	8	81	36	37	170	57	13	150
Tuesday	464	14.5	27	289	40	108	44,796,680	16.1	8	45	57	40	154	49	9	155
Wednesday	496	15.5	33	337	37	89	41,656,755	15.0	13	107	59	37	184	44	9	163
Thursday	502	15.7	43	332	34	93	36,032,889	13.0	14	52	61	34	186	59	7	155
Friday	498	15.6	36	344	30	88	38,494,468	13.8	5	41	49	30	183	52	12	172
Saturday	397	12.4	40	263	21	73	47,102,242	16.9	9	67	59	21	137	50	8	122
Total	3,193	100.0	238	2,112	210	633	277,989,213	100.0	63	413	372	210	1,147	359	70	1,035

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

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TABLE 5-5 TRAIN ACCIDENTS BY TIME OF DAY, TYPE, AND MAJOR CAUSE, 2000

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	112	3.5	13	75	3	21	10,409,726	3.7	0	32	12	3	51	14	2	30
2	126	3.9	10	87	2	27	8,582,775	3.1	1	6	11	2	53	16	2	42
3	132	4.1	9	94	3	26	13,442,670	4.8	2	23	18	3	54	14	2	41
4	130	4.1	11	88	1	30	11,602,650	4.2	1	3	16	1	56	14	5	38
5	109	3.4	12	70	4	23	11,371,924	4.1	1	11	19	4	42	7	1	36
6	122	3.8	12	70	10	30	8,728,642	3.1	1	16	15	10	49	11	3	34
7	111	3.5	10	66	13	22	15,113,709	5.4	4	56	18	13	35	7	5	33
8	128	4.0	8	75	19	26	13,604,107	4.9	2	16	14	19	37	13	3	42
9	135	4.2	8	83	16	28	7,928,558	2.9	5	11	16	16	41	9	10	43
10	150	4.7	10	87	12	41	13,784,286	5.0	4	20	24	12	53	18	3	40
11	155	4.9	7	102	23	23	13,286,055	4.8	3	21	11	23	44	16	1	60
12	107	3.4	8	70	-	29	10,779,146	3.9	0	8	8	-	45	20	1	33
Sub	1,517	47.5	118	967	106	326	138,634,248	49.9	24	223	182	106	560	159	38	472
PM 1	129	4.0	12	89	9	19	11,841,428	4.3	2	56	11	9	41	10	4	54
2	142	4.4	10	96	13	23	11,970,415	4.3	9	14	14	13	35	21	4	55
3	132	4.1	9	93	13	17	12,385,589	4.5	2	16	13	13	37	9	3	57
4	169	5.3	10	108	14	37	12,582,195	4.5	6	35	17	14	65	19	-	54
5	170	5.3	11	121	14	24	9,790,253	3.5	3	16	15	14	56	23	2	60
6	155	4.9	17	98	4	36	14,005,535	5.0	3	9	19	4	67	18	1	46
7	140	4.4	10	94	5	31	9,933,096	3.6	2	8	20	5	52	20	2	41
8	147	4.6	9	105	7	26	15,091,062	5.4	2	3	11	7	56	23	3	47
9	132	4.1	9	94	3	26	12,547,128	4.5	0	6	18	3	56	14	2	39
10	111	3.5	11	77	4	19	9,139,448	3.3	3	9	16	4	36	15	4	36
11	93	2.9	4	73	2	14	9,637,236	3.5	0	3	7	2	38	12	3	31
12	156	4.9	8	97	16	35	10,431,580	3.8	7	15	29	16	48	16	4	43
Sub	1,676	52.5	120	1,145	104	307	139,354,965	50.1	39	190	190	104	587	200	32	563
Total	3,193	100.0	238	2,112	210	633	277,989,213	100.0	63	413	372	210	1,147	359	70	1,035

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, 2000

Type Accident	Total		Reportable Damage		Casualties		Causes					
	Cnt	%	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
Derailments	2,112	66.1	214,656,118	77.2	2	121	288	-	591	209	35	989
Head on collision	9	0.3	1,452,124	0.5	0	39	-	-	8	1	-	-
Rear end collision	18	0.6	6,947,403	2.5	1	25	-	-	18	-	-	-
Side collision	141	4.4	10,231,371	3.7	0	21	3	-	121	13	4	-
Raking collision	62	1.9	2,227,241	0.8	0	1	5	-	43	9	3	2
Broken train coll.	7	0.2	361,069	0.1	0	3	2	-	5	-	-	-
Highway-rail Impact	210	6.6	14,777,314	5.3	53	138	-	210	-	-	-	-
RR crossing collision	1	0.0	64,895	0.0	0	0	-	-	1	-	-	-
Obstruction impact	69	2.2	1,861,348	0.7	4	7	9	-	13	46	-	1
Explosion/detonation	2	0.1	492,000	0.2	0	0	2	-	-	-	-	-
Fire/violent rupture	20	0.6	3,387,464	1.2	0	2	10	-	1	9	-	-
Other impacts	390	12.2	15,989,251	5.8	2	39	11	-	288	53	28	10
Other events	152	4.8	5,541,615	2.0	1	17	42	-	58	19	-	33
Total	3,193	100.0	277,989,213	100.0	63	413	372	210	1,147	359	70	1,035

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TABLE 5-7 TRAIN ACCIDENTS BY SUBCAUSE AND TYPE, 2000

Causes	Total		Type of Accident				Reportable Damage		Casualties	
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal
Brakes	36	1.1	1	26	-	9	1,060,182	0.4	0	4
Trailer/Container on Flatcar	3	0.1	-	-	-	3	140,261	0.1	0	0
Body	28	0.9	2	22	-	4	1,580,555	0.6	0	0
Coupler & Draft System	37	1.2	3	28	-	6	3,236,956	1.2	0	1
Truck Components	81	2.5	-	78	-	3	11,336,275	4.1	0	1
Axles & Journal Bearings	59	1.8	-	55	-	4	14,107,645	5.1	0	0
Wheels	71	2.2	-	65	-	6	17,918,127	6.4	0	1
Locomotives	23	0.7	1	4	-	18	3,454,542	1.2	0	4
Doors	8	0.3	-	8	-	-	408,818	0.1	0	0
Other Mechanical	26	0.8	3	2	-	21	681,835	0.2	0	0
Brakes, Use of	151	4.7	34	38	-	79	6,051,737	2.2	0	25
Employee Physical Condition	2	0.1	1	-	-	1	684,057	0.2	0	1
Flagging, Fixed, Hand & Radio	47	1.5	19	16	-	12	6,517,253	2.3	0	15
General Switching Rules	381	11.9	69	154	-	158	13,105,130	4.7	1	20
Main Track Authority	40	1.3	17	10	-	13	5,390,504	1.9	1	13
Train Handling/Makeup	168	5.3	4	152	-	12	9,202,388	3.3	0	2
Speed	88	2.8	25	29	-	34	8,626,349	3.1	1	24
Switches, Use of	229	7.2	23	172	-	34	10,443,686	3.8	0	5
Miscellaneous Human Factors	41	1.3	4	20	-	17	4,894,924	1.8	2	9
Environmental Conditions	37	1.2	2	21	-	14	4,366,377	1.6	0	3
Loading Procedures	50	1.6	8	33	-	9	4,472,011	1.6	0	1
Highway-Rail Incidents	210	6.6	-	-	210	-	14,777,314	5.3	53	138
Unusual Operational Situations	153	4.8	8	81	-	64	8,254,458	3.0	2	12
Other Miscellaneous Causes	119	3.7	5	74	-	40	14,611,436	5.3	3	73
Signal Defects	70	2.2	7	35	-	28	1,666,246	0.6	0	1
Roadbed	37	1.2	-	37	-	-	6,036,955	2.2	0	5
Track Geometry	424	13.3	-	420	-	4	34,736,509	12.5	0	4
Rail, Joint Bar & Anchors	311	9.7	-	311	-	-	58,851,697	21.2	0	46
Frogs, Switches, Appliances	228	7.1	1	217	-	10	10,367,967	3.7	0	4
Other Track Defects	35	1.1	1	4	-	30	1,007,019	0.4	0	1
Total	3,193	100.0	238	2,112	210	633	277,989,213	100.0	63	413

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

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TABLE 5-8 TRAIN ACCIDENTS WITH CONTRIBUTING CAUSE, 2000

Contributing Cause	Total		Type of Accident				Type of Track				
	Cnt	%	Coll	Der	HRC	Othr	Main	Yard	Siding	Industry	Other
Brakes	4	0.9	1	2	-	1	2	2	-	-	-
Trailer/Container on Flatcar	1	0.2	-	1	-	-	1	-	-	-	-
Body	2	0.4	-	2	-	-	1	1	-	-	-
Coupler & Draft System	2	0.4	-	2	-	-	1	1	-	-	-
Truck Components	11	2.5	-	11	-	-	3	6	2	-	-
Axles & Journal Bearings	4	0.9	-	4	-	-	4	-	-	-	-
Wheels	23	5.2	-	22	-	1	17	6	-	-	-
Locomotives	1	0.2	-	-	-	1	1	-	-	-	-
Doors	1	0.2	1	-	-	-	1	-	-	-	-
Other Mechanical	1	0.2	-	-	-	1	1	-	-	-	-
Brakes, Use of	16	3.6	4	4	-	8	6	5	2	3	-
Flagging, Fixed, Hand & Radio	11	2.5	1	4	-	6	5	3	1	2	-
General Switching Rules	75	16.8	10	30	-	35	7	62	3	3	-
Main Track Authority	4	0.9	1	2	-	1	2	2	-	-	-
Train Handling/Makeup	36	8.1	3	33	-	-	17	14	1	2	2
Speed	14	3.1	1	4	-	9	4	8	-	2	-
Switches, Use of	34	7.6	4	21	-	9	7	20	-	7	-
Miscellaneous Human Factors	8	1.8	3	3	-	2	3	4	-	-	1
Environmental Conditions	17	3.8	1	11	-	5	7	5	3	2	-
Loading Procedures	7	1.6	1	6	-	-	4	2	-	1	-
Highway-Rail Incidents	11	2.5	-	-	11	-	11	-	-	-	-
Unusual Operational Situations	14	3.1	-	8	1	5	6	6	1	1	-
Other Miscellaneous Causes	13	2.9	-	7	-	6	6	3	1	3	-
Signal Defects	1	0.2	-	1	-	-	-	1	-	-	-
Roadbed	22	4.9	-	22	-	-	5	11	3	3	-
Track Geometry	60	13.5	-	60	-	-	22	23	3	12	-
Rail, Joint Bar & Anchors	28	6.3	-	28	-	-	17	8	1	1	1
Frogs, Switches, Appliances	18	4.0	2	15	-	1	1	13	-	4	-
Other Track Defects	7	1.6	-	6	-	1	3	3	1	-	-
Total	446	100.0	33	309	12	92	165	209	22	46	4

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

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TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2000

MAJOR CAUSE= Human Factors

Causes	Total		Type of Accident			Type of Track			Reportable Damage		Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other	Amount	%	Kid	Nonfatal
Bottling the Air	3	0.1	1	2	-	1	1	1	355,238	0.1	0	0
Failure to secure engine- rr empl	8	0.3	1	1	6	3	4	1	641,868	0.2	0	4
Fail to secure car hnd brk -rr emp	35	1.1	6	6	23	3	29	3	1,013,102	0.4	0	17
Fail to release hand brk - rr emp	5	0.2	-	3	2	1	4	-	289,174	0.1	0	0
Fail to apply suff. hand brakes -rr emp	60	1.9	16	16	28	5	48	7	1,861,948	0.7	0	4
Fail to apply car hnd brks -rr emp	30	0.9	7	7	16	6	21	3	1,044,231	0.4	0	0
Fail to secure equip - not rr emp	6	0.2	2	1	3	2	1	3	694,355	0.2	0	0
Use of brakes, other	4	0.1	1	2	1	1	3	-	151,821	0.1	0	0
Incapacitation due to injury/illness	1	0.0	1	-	-	1	-	-	630,000	0.2	0	1
Employee asleep	1	0.0	-	-	1	-	-	1	54,057	0.0	0	0
Fixed signal, failure to comply	4	0.1	2	1	1	-	3	1	261,485	0.1	0	1
Flagging, improper or failure to flag	1	0.0	-	-	1	-	1	-	26,000	0.0	0	0
Hand signal, failure to comply	1	0.0	-	-	1	-	1	-	53,791	0.0	0	0
Hand signal improper	1	0.0	-	-	1	-	-	1	45,000	0.0	0	0
Radio communication, failure to comply	11	0.3	4	4	3	1	6	4	442,729	0.2	0	0
Radio communication, improper	10	0.3	2	8	-	3	6	1	469,579	0.2	0	0
Radio comm., failure to give/receive	5	0.2	1	1	3	2	3	-	158,406	0.1	0	0
Block signal, failure to comply	5	0.2	5	-	-	5	-	-	2,440,743	0.9	0	7
Interlocking signal, failure to comply	8	0.3	4	2	2	7	1	-	2,610,145	0.9	0	7
Other signal causes	1	0.0	1	-	-	-	1	-	9,375	0.0	0	0
Car(s) shoved out & left out of clear	15	0.5	3	2	10	-	13	2	239,213	0.1	0	0
Cars left foul	59	1.8	17	4	38	1	53	5	1,211,920	0.4	1	2
Derail, failure to apply or remove	31	1.0	-	29	2	1	14	16	904,077	0.3	0	4
Hazmat regs, failure to comply	1	0.0	-	-	1	-	1	-	30,000	0.0	0	0
Instruction to trn/yd crew improper	18	0.6	4	4	10	1	16	1	474,600	0.2	0	1
Shoving movement, absence of man	121	3.8	30	51	40	7	99	15	6,407,982	2.3	0	3
Shoving movement, failure to control	38	1.2	6	17	15	3	31	4	1,410,731	0.5	0	5
Skate, failure to remove or place	6	0.2	1	3	2	-	6	-	77,739	0.0	0	0
Failure to stretch cars before shoving	6	0.2	-	2	4	1	5	-	146,580	0.1	0	0
Failure to couple	20	0.6	1	7	12	3	15	2	584,771	0.2	0	2
Moving cars-load ramp,etc, not in pos	2	0.1	-	1	1	-	-	2	17,346	0.0	0	0
Passed couplers	35	1.1	1	25	9	-	35	-	621,050	0.2	0	0
Retarder, improper manual operation	11	0.3	3	4	4	1	10	-	272,944	0.1	0	1
Retarder yard skate improperly applied	3	0.1	1	1	1	-	3	-	45,898	0.0	0	0
Other general switching rules	15	0.5	2	4	9	-	9	6	660,279	0.2	0	2
Failure to stop train in clear	11	0.3	3	5	3	3	7	1	331,102	0.1	0	1
Motor car/on-trk rules, fail to comply	7	0.2	3	2	2	7	-	-	912,254	0.3	0	6
Movement without authority - rr emp	7	0.2	5	-	2	4	3	-	226,487	0.1	0	1
Fail to comply with trn order, etc.	5	0.2	3	1	1	4	-	1	679,524	0.2	0	3
Trn orders, trk warrants, radio error	1	0.0	-	-	1	1	-	-	25,150	0.0	0	0
Trn orders, trk warrants, written err	1	0.0	-	-	1	1	-	-	8,821	0.0	1	0
Other main track authority causes	8	0.3	3	2	3	3	3	2	3,207,166	1.2	0	2
Improper train make-up at init term	3	0.1	-	3	-	2	-	1	166,361	0.1	0	0
Buff/slack action excess, trn handling	55	1.7	-	48	7	14	36	5	3,831,900	1.4	0	0
Buff/slack action excess, trn make-up	12	0.4	-	12	-	2	8	2	464,000	0.2	0	0
Lat DB force on curve excess trn hndlng	10	0.3	-	10	-	3	5	2	298,942	0.1	0	0
Lat DB force on curve excess, make-up	9	0.3	-	9	-	1	8	-	177,448	0.1	0	0
Lat drawbar force-short/long car combo	9	0.3	-	9	-	1	8	-	257,600	0.1	0	0
Improper train make-up	11	0.3	1	10	-	5	5	1	1,342,631	0.5	0	0
Improper train inspection	5	0.2	1	4	-	3	2	-	585,325	0.2	0	2
Automatic brake, excessive	3	0.1	-	3	-	1	1	1	150,740	0.1	0	0
Automatic brake, other improper use	3	0.1	-	3	-	2	1	-	35,571	0.0	0	0
Fail to allow air brks to release	4	0.1	-	3	1	2	2	-	62,735	0.0	0	0
Fail to cut-in brake valves-loco	1	0.0	-	-	1	-	1	-	67,829	0.0	0	0

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MAJOR CAUSE= Human Factors

Causes	Total		Type of Accident			Type of Track			Reportable Damage		Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other	Amount	%	Kld	Nonfatal
Dynamic brake, excessive	1	0.0	-	1	-	-	-	1	3,716	0.0	0	0
Dynamic brake, too rapid adjustment	1	0.0	-	1	-	-	-	1	126,770	0.0	0	0
Throttle (power), improper use	10	0.3	1	8	1	3	6	1	532,815	0.2	0	0
Throttle (power), too rapid adjustment	2	0.1	-	2	-	1	1	-	83,100	0.0	0	0
Excessive horsepower	7	0.2	-	7	-	3	3	1	195,440	0.1	0	0
Independent brake, improper use	11	0.3	-	11	-	6	5	-	279,436	0.1	0	0
Other train handling/makeup	11	0.3	1	8	2	5	6	-	540,029	0.2	0	0
Coupling speed excessive	26	0.8	2	10	14	3	20	3	893,223	0.3	0	0
Switch movement, excessive speed	7	0.2	-	3	4	-	7	-	207,356	0.1	0	0
Train inside yard limits, excess speed	4	0.1	1	3	-	1	3	-	269,271	0.1	0	0
Train outside yd limits, excess speed	2	0.1	-	2	-	2	-	-	58,145	0.0	0	0
Failure to comply with restricted speed	39	1.2	18	7	14	15	22	2	5,744,337	2.1	1	20
Speed, other	10	0.3	4	4	2	2	5	3	1,454,017	0.5	0	4
Spring switch not clear before reverse	4	0.1	-	4	-	2	1	1	221,486	0.1	0	0
Switch improperly lined	163	5.1	22	112	29	23	126	14	6,702,153	2.4	0	4
Switch not latched or locked	20	0.6	-	20	-	7	12	1	1,054,636	0.4	0	0
Switch previously run through	35	1.1	1	31	3	1	27	7	1,172,253	0.4	0	0
Moveable point trk frog improper lined	1	0.0	-	1	-	1	-	-	1,003,963	0.4	0	0
Use of switches, other	6	0.2	-	4	2	2	4	-	289,195	0.1	0	1
Human factors - track	2	0.1	1	-	1	2	-	-	377,995	0.1	0	2
Human factors - signal	1	0.0	-	1	-	1	-	-	501,133	0.2	0	0
Human factors -motive power & equipment	9	0.3	1	4	4	8	-	1	665,967	0.2	0	4
Other train operation/human factors	29	0.9	2	15	12	9	16	4	3,349,829	1.2	2	3
Total	1,147	35.9	196	591	360	215	797	135	64,916,028	23.4	5	114

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

MAJOR CAUSE= Signal Defects

Causes	Total		Type of Accident			Type of Track			Reportable Damage		Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other	Amount	%	Kld	Nonfatal
Automatic cab signal inoperative	1	0.0	-	1	-	-	1	-	24,153	0.0	0	0
Classyard autocontrol sys switch fail	7	0.2	1	5	1	-	7	-	150,544	0.1	0	0
Class yd auto ctrl sys retarder fail	36	1.1	4	14	18	-	36	-	859,521	0.3	0	0
Power switch failure	3	0.1	-	3	-	1	1	1	130,507	0.0	0	0
Radio communication equipment failure	2	0.1	1	-	1	-	1	1	16,849	0.0	0	0
Other communication equipment failure	2	0.1	-	1	1	-	2	-	57,304	0.0	0	0
Other signal failures	19	0.6	1	11	7	5	14	-	427,368	0.2	0	1
Total	70	2.2	7	35	28	6	62	2	1,666,246	0.6	0	1

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

MAJOR CAUSE= Track Defects

Causes	Total		Type of Accident			Type of Track			Reportable Damage		Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other	Amount	%	Kld	Nonfatal
Roadbed settled or soft	25	0.8	-	25	-	11	11	3	4,000,002	1.4	0	0
Washout/rain/slide/etc. dmg -track	8	0.3	-	8	-	7	-	1	1,157,397	0.4	0	3
Other roadbed defects	4	0.1	-	4	-	2	2	-	879,556	0.3	0	2
Cross level of track irregular(joints)	27	0.8	-	27	-	15	7	5	2,378,104	0.9	0	0
Cross level track irreg.(not at joints)	35	1.1	-	35	-	23	7	5	6,502,575	2.3	0	0
Deviate frm uniform top of rail profile	1	0.0	-	1	-	-	1	-	32,146	0.0	0	0
Superelevation improper, excessive,etc.	7	0.2	-	7	-	5	1	1	1,184,281	0.4	0	0
Superelevation runoff improper	1	0.0	-	1	-	-	1	-	62,500	0.0	0	0
Trk alignmnt irreg-not buckled/sunkink	14	0.4	-	14	-	8	3	3	3,026,057	1.1	0	0
Track alignment irreg(buckled/sunkink)	32	1.0	-	32	-	27	2	3	8,341,414	3.0	0	0

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MAJOR CAUSE= Track Defects

Causes	Total		Type of Accident			Type of Track			Reportable Damage		Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other	Amount	%	Kld	Nonfatal
Wide gage(defective/missing crossties)	253	7.9	-	252	1	38	146	69	10,174,596	3.7	0	4
Wide gage(spikes/other rail fasteners)	32	1.0	-	32	-	8	16	8	1,894,445	0.7	0	0
Wide gage(loose,broke, etc, gage rods)	3	0.1	-	3	-	1	2	-	183,463	0.1	0	0
Wide gage (due to worn rails)	8	0.3	-	8	-	1	6	1	224,754	0.1	0	0
Other track geometry defects	11	0.3	-	8	3	1	9	1	732,174	0.3	0	0
Bolt hole crack or break	5	0.2	-	5	-	-	2	3	562,031	0.2	0	0
Broken base of rail	51	1.6	-	51	-	16	30	5	6,608,418	2.4	0	5
Broken weld (field)	5	0.2	-	5	-	3	1	1	863,592	0.3	0	0
Defective or missing crossties	7	0.2	-	7	-	1	4	2	354,080	0.1	0	0
Defect/missing spike-oth rail fastener	4	0.1	-	4	-	1	2	1	59,053	0.0	0	0
Detail fracture - shelling/head check	37	1.2	-	37	-	32	5	-	11,772,912	4.2	0	4
Engine burn fracture	1	0.0	-	1	-	-	1	-	27,000	0.0	0	0
Head and web sep(outside jt bar limit)	27	0.8	-	27	-	11	11	5	2,848,851	1.0	0	0
Head & web separation-in jt bar limit	8	0.3	-	8	-	6	2	-	2,554,429	0.9	0	32
Horizontal split head	4	0.1	-	4	-	1	2	1	84,784	0.0	0	0
Joint bar broken (compromise)	1	0.0	-	1	-	1	-	-	453,672	0.2	0	0
Joint bar broken (insulated)	2	0.1	-	2	-	1	1	-	1,127,902	0.4	0	0
Joint bar broken (noninsulated)	9	0.3	-	9	-	8	1	-	4,588,644	1.7	0	0
Joint bolts, broken, or missing	2	0.1	-	2	-	-	1	1	100,066	0.0	0	0
Mismatched rail-head contour	4	0.1	-	4	-	-	2	2	48,800	0.0	0	0
Rail defect with joint bar repair	1	0.0	-	1	-	1	-	-	40,000	0.0	0	0
Transverse/compound fissure	85	2.7	-	85	-	41	36	8	18,765,649	6.8	0	5
Vertical split head	30	0.9	-	30	-	8	18	4	3,894,064	1.4	0	0
Worn rail	14	0.4	-	14	-	7	5	2	2,007,496	0.7	0	0
Other rail and joint bar defects	14	0.4	-	14	-	9	5	-	2,090,254	0.8	0	0
Derail, defective	1	0.0	-	1	-	-	1	-	25,791	0.0	0	0
Expansion joint failed/malfunctioned	1	0.0	-	1	-	-	1	-	23,305	0.0	0	0
Guard rail loose/broken or mislocated	4	0.1	-	4	-	-	3	1	44,881	0.0	0	0
Railroad crossing frog, worn or broken	1	0.0	-	1	-	-	1	-	23,100	0.0	0	0
Retarder worn, broken, malfunctioning	8	0.3	-	2	6	-	8	-	125,353	0.0	0	0
Retarder yard skate defective	3	0.1	-	1	2	-	3	-	76,394	0.0	0	0
Spring/power swtch mech. malfunction	4	0.1	1	3	-	2	2	-	136,591	0.0	0	0
Stock rail worn, broken, disconnected	10	0.3	-	10	-	2	5	3	1,003,882	0.4	0	0
Switch (hand op) stand mechanism defect	2	0.1	-	2	-	-	2	-	101,075	0.0	0	0
Switch connect/operate rod broke/defect	3	0.1	-	3	-	-	2	1	92,253	0.0	0	0
Switch damaged or out of adjustment	34	1.1	-	33	1	4	23	7	1,051,853	0.4	0	0
Switch lug/crank broken	2	0.1	-	2	-	-	2	-	148,361	0.1	0	0
Switch out of adj. insuff. anchoring	5	0.2	-	5	-	1	3	1	550,416	0.2	0	0
Switch point worn or broken	93	2.9	-	93	-	12	57	24	3,138,811	1.1	0	1
Switch rod worn, bent, broken, etc.	3	0.1	-	3	-	-	3	-	66,039	0.0	0	0
Turnout frog (rigid) worn, or broken	3	0.1	-	3	-	-	3	-	223,968	0.1	0	0
Turnout frog(self guarded)-worn/broken	2	0.1	-	2	-	-	1	1	35,277	0.0	0	0
Turnout frog (spring) worn, or broken	3	0.1	-	3	-	3	-	-	1,975,728	0.7	0	1
Switch pt gap(btwn swt pt & stock rail)	32	1.0	-	32	-	2	26	4	1,063,775	0.4	0	1
Oth frog, switch, trk appliance defect	14	0.4	-	13	1	2	10	2	461,114	0.2	0	1
Flangeway clogged	2	0.1	-	2	-	-	2	-	163,939	0.1	0	0
Engineering design or construction	1	0.0	-	1	-	1	-	-	50,000	0.0	0	0
Other way and structure defect	32	1.0	1	1	30	29	3	-	793,080	0.3	0	1
Total	1,035	32.4	2	989	44	352	504	179	111,000,147	39.9	0	60

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 EQP = equipment (on-track), HMN = human factor, SIG = signal, TRK = track

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MAJOR CAUSE= Mechanical/Electrical

Causes	Total		Type of Accident			Type of Track			Reportable Damage		Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other	Amount	%	Kld	Nonfatal
Air hose uncoupled or burst	3	0.1	-	3	-	2	1	-	208,361	0.1	0	0
Broken brake pipe or connections	1	0.0	-	1	-	-	1	-	10,490	0.0	0	0
Oth brk component dmg,worn,broke,etc.	2	0.1	-	1	1	-	2	-	21,809	0.0	0	0
Oth brk parts dmg,worm,broke,etc.(LOCO)	1	0.0	-	-	1	-	1	-	13,714	0.0	0	0
Brake valve malf. (stuck brake, etc.)	5	0.2	-	4	1	4	1	-	255,066	0.1	0	3
Rigging down or dragging	14	0.4	-	12	2	7	7	-	360,532	0.1	0	0
Hand brk broken or defective	5	0.2	1	1	3	-	2	3	70,867	0.0	0	1
Hand brake broken or defective (LOCO)	1	0.0	-	1	-	-	1	-	7,332	0.0	0	0
Other brake defects, cars	4	0.1	-	3	1	1	3	-	112,011	0.0	0	0
Broken or defective tiedown equipment	1	0.0	-	-	1	1	-	-	10,000	0.0	0	0
Oth trailer/container on flt car def	2	0.1	-	-	2	2	-	-	130,261	0.0	0	0
Body bolster broken or defective	1	0.0	-	1	-	1	-	-	101,038	0.0	0	0
Center sill broken or bent	5	0.2	-	3	2	4	1	-	372,634	0.1	0	0
Draft sill broken or bent	3	0.1	-	3	-	2	1	-	53,196	0.0	0	0
Center plate broken or defective	2	0.1	-	2	-	1	1	-	261,821	0.1	0	0
Ctr plate disengaged from truck	6	0.2	-	5	1	3	3	-	591,478	0.2	0	0
Side sill broken	4	0.1	-	4	-	2	1	1	39,729	0.0	0	0
Other body defects, (CAR)	6	0.2	2	4	-	4	2	-	126,277	0.0	0	0
Other body defects, (LOCOMOTIVE)	1	0.0	-	-	1	1	-	-	34,382	0.0	0	0
Knuckle broken or defective	1	0.0	-	1	-	1	-	-	31,714	0.0	0	0
Coupler mismatch, high/low	2	0.1	-	1	1	-	2	-	22,697	0.0	0	0
Coupler drawhead broken or defective	2	0.1	-	2	-	1	1	-	161,096	0.1	0	0
Coupler retainer pin/cross key missing	8	0.3	-	6	2	8	-	-	1,060,321	0.4	0	1
Draft gear/mechanism broke/defective	2	0.1	-	1	1	2	-	-	597,573	0.2	0	0
Draft gear/mechanism broke/defect-loco	2	0.1	-	2	-	2	-	-	40,261	0.0	0	0
Coupler carrier broken or defective	1	0.0	-	1	-	1	-	-	31,010	0.0	0	0
Coupler shank broken/defective	2	0.1	-	1	1	2	-	-	94,833	0.0	0	0
Coupler shank broken/defective -LOCO	3	0.1	-	3	-	3	-	-	828,824	0.3	0	0
Oth coupler/draft system defects-car	13	0.4	3	9	1	2	11	-	359,503	0.1	0	0
Oth coupler/draft sys defects-loco	1	0.0	-	1	-	-	1	-	9,124	0.0	0	0
Side bearing clearance insufficient	18	0.6	-	18	-	11	7	-	2,512,098	0.9	0	1
Side bearing clearance insuff. (LOCO)	1	0.0	-	1	-	1	-	-	55,500	0.0	0	0
Side bearing clearance excessive	7	0.2	-	7	-	7	-	-	244,075	0.1	0	0
Side bearing(s) broken	1	0.0	-	1	-	1	-	-	9,960	0.0	0	0
Truck bolster broken	5	0.2	-	5	-	4	1	-	521,368	0.2	0	0
Side frame broken	3	0.1	-	2	1	3	-	-	92,300	0.0	0	0
Truck bolster stiff	25	0.8	-	24	1	13	8	4	2,330,613	0.8	0	0
Truck bolster stiff (LOCO)	2	0.1	-	2	-	1	1	-	43,152	0.0	0	0
Defective snubbing	5	0.2	-	5	-	5	-	-	2,121,300	0.8	0	0
Broken, missing, or defective springs	1	0.0	-	1	-	1	-	-	24,140	0.0	0	0
Other truck component defects, (CAR)	6	0.2	-	5	1	5	1	-	509,290	0.2	0	0
Truck hunting	7	0.2	-	7	-	7	-	-	2,872,479	1.0	0	0
Broken/bent axle between wheel seats	2	0.1	-	2	-	2	-	-	877,359	0.3	0	0
Broke/bent axle btwn wheel seats-loco	2	0.1	-	1	1	2	-	-	33,000	0.0	0	0
Journal (plain) failure from overheat	4	0.1	-	3	1	4	-	-	668,575	0.2	0	0
Journal (roller bearing) overheating	43	1.3	-	41	2	43	-	-	10,801,334	3.9	0	0
Journal fractured, new cold break	1	0.0	-	1	-	1	-	-	605,397	0.2	0	0
Oth axle/journal bearing defect-car	6	0.2	-	6	-	5	1	-	1,106,109	0.4	0	0
Oth axle/journal bearing defect-loco	1	0.0	-	1	-	1	-	-	15,871	0.0	0	0
Broken flange	4	0.1	-	4	-	2	1	1	1,643,367	0.6	0	0
Broken rim	15	0.5	-	12	3	14	1	-	7,517,069	2.7	0	0
Broken rim (LOCOMOTIVE)	1	0.0	-	1	-	1	-	-	14,504	0.0	0	0
Broken plate	6	0.2	-	4	2	6	-	-	1,923,693	0.7	0	0
Broken plate (LOCOMOTIVE)	1	0.0	-	1	-	1	-	-	17,000	0.0	0	0
Broken hub	2	0.1	-	2	-	2	-	-	436,905	0.2	0	0
Worn Flange	11	0.3	-	11	-	2	5	4	571,977	0.2	0	1
Worn flange (LOCOMOTIVE)	1	0.0	-	1	-	1	-	-	33,000	0.0	0	0

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MAJOR CAUSE= Mechanical/Electrical

Causes	Total		Type of Accident			Type of Track			Reportable Damage		Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other	Amount	%	Kld	Nonfatal
Worn tread	1	0.0	-	1	-	1	-	-	355,679	0.1	0	0
Damaged flange or tread (flat)	4	0.1	-	3	1	2	1	1	1,089,834	0.4	0	0
Damaged flange or tread (build up)	12	0.4	-	12	-	9	3	-	735,136	0.3	0	0
Loose wheel	5	0.2	-	5	-	5	-	-	3,083,492	1.1	0	0
Other wheel defects (CAR)	5	0.2	-	5	-	2	3	-	437,734	0.2	0	0
Other wheel defects (LOCOMOTIVE)	1	0.0	-	1	-	-	1	-	7,500	0.0	0	0
Thermal crack, flange or tread	2	0.1	-	2	-	2	-	-	51,237	0.0	0	0
Traction motor failure (LOCOMOTIVE)	4	0.1	-	1	3	4	-	-	118,650	0.0	0	2
Crank case or air box explosion (LOCO)	1	0.0	-	-	1	1	-	-	15,000	0.0	0	0
Oil or fuel fire (LOCOMOTIVE)	-	-	-	-	-	-	-	-	0	0.0	-	-
Electrically caused fire (LOCOMOTIVE)	8	0.3	-	-	8	6	2	-	1,719,088	0.6	0	0
Current collector system (LOCOMOTIVE)	4	0.1	-	-	4	4	-	-	462,750	0.2	0	2
Remote control equip inoperative (LOCO)	2	0.1	-	2	-	2	-	-	21,520	0.0	0	0
Other locomotive defects	4	0.1	1	1	2	3	-	1	1,117,534	0.4	0	0
Bottom outlet car door open	2	0.1	-	2	-	-	-	2	104,250	0.0	0	0
Bottom outlet door attachment defect	4	0.1	-	4	-	1	3	-	233,446	0.1	0	0
Other car door defects	2	0.1	-	2	-	1	-	1	71,122	0.0	0	0
Other mechanical/electrical failures	20	0.6	1	1	18	18	2	-	585,264	0.2	0	0
Other mechanical/electrical fail(LOCO)	6	0.2	2	1	3	5	1	-	96,571	0.0	0	0
Total	372	11.7	10	288	74	269	85	18	53,925,196	19.4	0	11

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

MAJOR CAUSE= Miscellaneous

Causes	Total		Type of Accident				Type of Track			Reportable Damage		Casualties	
	Cnt	%	Coll	Der	HR C	Othr	Main	Yard	Other	Amount	%	Kld	Nonfatal
Snow,ice,mud,gravel,coal,etc. on trk	21	0.7	1	14	-	6	9	9	3	2,634,001	0.9	0	2
Extreme wind velocity	13	0.4	1	6	-	6	5	8	-	1,369,930	0.5	0	0
Other extreme environmental conditions	3	0.1	-	1	-	2	3	-	-	362,446	0.1	0	1
Load shifted	6	0.2	2	4	-	-	4	2	-	70,228	0.0	0	0
Load fell from car	2	0.1	-	1	-	1	2	-	-	73,777	0.0	0	0
Overloaded car	4	0.1	-	4	-	-	1	2	1	126,903	0.0	0	0
Improperly loaded car	17	0.5	1	15	-	1	8	8	1	1,219,819	0.4	0	0
Oversized load, misrouted	8	0.3	4	1	-	3	4	4	-	509,954	0.2	0	0
Trailer/container tiedown eqp improper	1	0.0	-	1	-	-	1	-	-	11,600	0.0	0	0
Improperly loaded contain/trail on car	4	0.1	-	4	-	-	3	-	1	2,209,572	0.8	0	1
Miscellaneous loading procedures	8	0.3	1	3	-	4	1	1	6	250,158	0.1	0	0
Hwy user impairment-drug/alcohol use	5	0.2	-	-	5	-	4	-	1	75,967	0.0	1	3
Highway user inattentiveness	92	2.9	-	-	92	-	86	-	6	6,520,986	2.3	26	58
Hwy user misjudgement	24	0.8	-	-	24	-	24	-	-	986,079	0.4	10	18
Highway user cited for violation	17	0.5	-	-	17	-	17	-	-	3,102,989	1.1	0	17
Hwy user unaware,environmental factor	-	-	-	-	-	-	-	-	-	7,460	0.0	-	-
Highway user unable to stop, weather	1	0.0	-	-	1	-	1	-	-	201,200	0.1	1	0
Malf.,improper op. of trn act. warning	1	0.0	-	-	1	-	1	-	-	10,000	0.0	0	2
Other causes (highway-rail collisions)	70	2.2	-	-	70	-	70	-	-	3,872,633	1.4	15	40
Emergency brke appl. to avoid accident	1	0.0	-	1	-	-	-	1	-	14,150	0.0	0	0
Object/equipment (mtr veh) on track	8	0.3	-	-	-	8	5	1	2	523,546	0.2	1	2
Obj/equip on/fouling track, other	27	0.8	1	5	-	21	17	9	1	701,022	0.3	1	2
Harmonic rock off, etc.	54	1.7	-	54	-	-	29	23	2	4,347,375	1.6	0	0
Fire, other than vandalism	8	0.3	-	-	-	8	4	3	1	810,131	0.3	0	8
Auto hump retarder failed to slow car	32	1.0	2	13	-	17	-	32	-	956,411	0.3	0	0
Yard skate slid and failed to stop car	18	0.6	5	4	-	9	-	18	-	289,161	0.1	0	0
Lading chains/straps fouling switches	4	0.1	-	3	-	1	2	2	-	297,812	0.1	0	0
Lading chains or straps fouling wheels	1	0.0	-	1	-	-	1	-	-	314,850	0.1	0	0
Interference(not vandals)with RR op.	18	0.6	1	12	-	5	5	2	11	1,824,628	0.7	1	37

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MAJOR CAUSE= Miscellaneous

Causes	Total		Type of Accident				Type of Track			Reportable Damage		Casualties	
	Cnt	%	Coll	Der	HRC	Othr	Main	Yard	Other	Amount	%	Kld	Nonfatal
Vandalism of on-track equipment	14	0.4	-	7	-	7	3	7	4	456,159	0.2	0	0
Vandalism of track or track appliances	35	1.1	1	22	-	12	14	16	5	2,645,253	1.0	1	3
Fail by non-rr empto control spd of car	11	0.3	1	6	-	4	1	-	10	1,124,066	0.4	1	1
Cause under investigation	10	0.3	1	5	-	4	4	5	1	4,889,169	1.8	0	31
Other miscellaneous causes	31	1.0	1	22	-	8	8	18	5	3,672,161	1.3	0	1
Total	569	17.8	23	209	210	127	337	171	61	46,481,596	16.7	58	227

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

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TABLE 5-10 TRAIN ACCIDENTS BY TYPE TRACK AND CLASS, 2000

Track & Class		Total		Type of Accident				Reportable Damage	Casualties		Causes					
		Cnt	%	Coll	Der	HR C	Othr	Amount	KId	Nonfatal	Eqp	HR C	Hmn	Othr	Sig	Trk
Main	1	160	5.0	14	113	1	32	10,082,952	1	21	25	1	53	16	2	63
	2	235	7.4	9	192	11	23	31,318,267	2	30	38	11	53	29	1	103
	3	252	7.9	13	159	43	37	53,970,354	9	57	68	43	39	25	1	76
	4	390	12.2	18	193	122	57	77,813,625	34	135	107	122	54	43	2	62
	5	94	2.9	5	45	26	18	24,306,852	11	65	28	26	10	14	-	16
	6	13	0.4	-	-	-	13	1,302,043	0	1	2	-	-	2	-	9
	?	4	0.1	-	1	-	3	80,525	0	0	-	-	2	1	-	1
	X	31	1.0	1	30	-	-	1,038,232	0	3	1	-	4	4	-	22
	-Sub	1,179	36.9	60	733	203	183	199,912,850	57	312	269	203	215	134	6	352
Yard	1	1,464	45.9	143	972	-	349	47,772,350	1	35	75	-	723	152	53	461
	2	86	2.7	9	51	-	26	3,049,052	1	2	5	-	39	14	8	20
	3	5	0.2	-	5	-	-	239,465	0	0	1	-	2	-	-	2
	4	7	0.2	-	5	-	2	139,965	0	2	1	-	2	1	-	3
	?	4	0.1	-	3	-	1	67,861	0	0	-	-	3	-	-	1
	X	53	1.7	8	34	-	11	1,574,088	0	3	3	-	28	4	1	17
	-Sub	1,619	50.7	160	1,070	-	389	52,842,781	2	42	85	-	797	171	62	504
Siding	1	76	2.4	3	67	-	6	4,244,508	1	33	7	-	24	11	-	34
	2	21	0.7	1	14	-	6	2,518,303	0	0	1	-	12	1	-	7
	3	9	0.3	-	6	-	3	2,020,079	0	0	-	-	3	1	1	4
	4	4	0.1	1	3	-	-	399,384	0	1	1	-	1	-	-	2
	5	2	0.1	-	2	-	-	406,400	0	0	-	-	1	-	-	1
	?	1	0.0	-	1	-	-	11,726	0	0	-	-	1	-	-	-
	X	7	0.2	-	5	-	2	683,655	0	2	-	-	2	3	-	2
	-Sub	120	3.8	5	98	-	17	10,284,055	1	36	9	-	44	16	1	50
Industry	1	204	6.4	7	160	2	35	7,633,264	0	14	7	2	76	28	-	91
	2	14	0.4	2	7	1	4	964,530	1	1	1	1	4	3	1	4
	4	4	0.1	2	2	-	-	560,467	0	2	-	-	1	1	-	2
	6	1	0.0	1	-	-	-	10,000	0	0	-	-	-	1	-	-
	?	1	0.0	-	1	-	-	7,279	0	0	-	-	-	-	-	1
	X	25	0.8	-	23	-	2	645,101	0	0	-	-	4	3	-	18
	-Sub	249	7.8	12	193	3	41	9,820,641	1	17	8	3	85	36	1	116
Other	?	26	0.8	1	18	4	3	5,128,886	2	6	1	4	6	2	-	13
	-Sub	26	0.8	1	18	4	3	5,128,886	2	6	1	4	6	2	-	13
Total		3,193	100.0	238	2,112	210	633	277,989,213	63	413	372	210	1147	359	70	1035

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

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TABLE 5-11 TRAIN ACCIDENTS BY TYPE TRACK AND CONSIST SPEED, 2000

Track - Spd Rng		Total		Type of Accident				Reportable Damage	Casualties		Causes					
		Cnt	%	Coll	Der	HR C	Othr	Amount	Kld	Nonfatal	Eqp	HR C	Hmn	Othr	Sig	Trk
Main	?	32	1.0	1	9	3	19	1,702,257	1	7	9	3	7	10	-	3
	1 - 9	218	6.8	18	175	5	20	16,476,137	2	22	30	5	90	11	2	80
	10-19	242	7.6	19	178	18	27	25,932,505	2	40	35	18	57	31	3	98
	20-29	200	6.3	8	165	10	17	43,647,721	2	25	62	10	23	24	-	81
	30-39	141	4.4	6	90	32	13	47,815,551	8	32	40	32	16	13	-	40
	40-49	151	4.7	3	73	54	21	27,886,880	9	61	47	54	15	11	1	23
	50-59	95	3.0	3	32	36	24	20,503,127	12	19	33	36	6	8	-	12
	60-69	50	1.6	1	9	20	20	10,510,248	11	45	6	20	1	17	-	6
	>= 70	50	1.6	1	2	25	22	5,438,424	10	61	7	25	-	9	-	9
	-Sub	1,179	36.9	60	733	203	183	199,912,850	57	312	269	203	215	134	6	352
Yard	?	27	0.8	2	8	-	17	1,211,020	0	0	6	-	6	5	2	8
	1 - 9	1,382	43.3	135	929	-	318	39,947,813	1	19	66	-	701	136	45	434
	10-19	197	6.2	22	130	-	45	10,077,393	0	20	11	-	84	27	14	61
	20-29	13	0.4	1	3	-	9	1,606,555	1	3	2	-	6	3	1	1
	-Sub	1,619	50.7	160	1,070	-	389	52,842,781	2	42	85	-	797	171	62	504
Siding	?	2	0.1	-	2	-	-	509,000	0	1	-	-	-	2	-	-
	1 - 9	73	2.3	3	61	-	9	3,093,105	0	32	4	-	29	10	-	30
	10-19	30	0.9	-	26	-	4	2,424,308	1	0	4	-	9	3	-	14
	20-29	9	0.3	1	6	-	2	3,029,009	0	1	-	-	4	-	-	5
	30-39	4	0.1	-	2	-	2	900,628	0	2	1	-	1	1	1	-
	40-49	1	0.0	1	-	-	-	65,105	0	0	-	-	1	-	-	-
	50-59	1	0.0	-	1	-	-	262,900	0	0	-	-	-	-	-	1
	-Sub	120	3.8	5	98	-	17	10,284,055	1	36	9	-	44	16	1	50
Industry	?	5	0.2	-	2	-	3	197,892	0	8	-	-	2	3	-	-
	1 - 9	217	6.8	9	173	2	33	6,613,790	0	5	7	2	73	26	1	108
	10-19	18	0.6	-	16	-	2	2,074,838	0	0	1	-	5	4	-	8
	20-29	6	0.2	-	2	1	3	384,714	1	2	-	1	4	1	-	-
	40-49	2	0.1	2	-	-	-	539,407	0	2	-	-	1	1	-	-
	>= 70	1	0.0	1	-	-	-	10,000	0	0	-	-	-	1	-	-
	-Sub	249	7.8	12	193	3	41	9,820,641	1	17	8	3	85	36	1	116
Other	1 - 9	13	0.4	-	11	-	2	323,726	0	0	-	-	5	2	-	6
	10-19	4	0.1	-	4	-	-	320,826	0	0	-	-	-	-	-	4
	20-29	1	0.0	1	-	-	-	949,978	0	3	-	-	1	-	-	-
	30-39	2	0.1	-	1	1	-	129,967	0	1	-	1	-	-	-	1
	40-49	6	0.2	-	2	3	1	3,404,389	2	2	1	3	-	-	-	2
	-Sub	26	0.8	1	18	4	3	5,128,886	2	6	1	4	6	2	-	13
Total		3,193	100.0	238	2,112	210	633	277,989,213	63	413	372	210	1147	359	70	1035

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

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TABLE 5-12 TRAIN ACCIDENTS BY WEATHER CONDITION, 2000

Conditions		Total		Type of Accident				Reportable Damage	Casualties		Causes					
		Cnt	%	Coll	Der	HR C	Othr	Amount	Kld	Nonfatal	Eqp	HR C	Hmn	Othr	Sig	Trk
Dawn	Clear	91	2.8	7	60	3	21	7,538,595	1	12	16	3	33	7	1	31
	Cloudy	27	0.8	1	14	5	7	3,829,699	0	2	5	5	8	2	-	7
	Rain	11	0.3	2	5	2	2	547,908	0	1	3	2	3	1	1	1
	Fog	5	0.2	1	2	2	-	1,785,720	0	1	-	2	1	-	-	2
	Snow	2	0.1	-	2	-	-	2,543,222	1	3	-	-	1	1	-	-
	-- Sub	136	4.3	11	83	12	30	16,245,144	2	19	24	12	46	11	2	41
Day	Clear	1,160	36.3	79	721	129	231	93,415,606	46	215	139	129	371	126	28	367
	Cloudy	332	10.4	20	236	27	49	29,323,933	3	32	42	27	95	28	9	131
	Rain	87	2.7	6	54	4	23	4,531,356	0	11	6	4	26	13	2	36
	Fog	8	0.3	1	1	3	3	279,050	0	3	1	3	2	2	-	-
	Sleet	2	0.1	1	1	-	-	31,905	0	0	1	-	1	-	-	-
	Snow	36	1.1	3	27	1	5	4,802,149	0	1	4	1	15	3	-	13
-- Sub	1,625	50.9	110	1,040	164	311	132,383,999	49	262	193	164	510	172	39	547	
Dusk	Clear	110	3.4	5	75	4	26	8,742,479	2	12	17	4	44	12	2	31
	Cloudy	29	0.9	1	25	-	3	5,572,523	0	0	3	-	8	3	-	15
	Rain	10	0.3	1	8	1	-	748,631	0	0	2	1	3	-	-	4
	Sleet	1	0.0	-	1	-	-	341,600	0	0	-	-	-	-	-	1
	Snow	3	0.1	1	2	-	-	3,943,900	1	3	-	-	2	-	-	1
	-- Sub	153	4.8	8	111	5	29	19,349,133	3	15	22	5	57	15	2	52
Dark	Clear	769	24.1	57	541	18	153	59,501,015	5	76	85	18	323	94	15	234
	Cloudy	311	9.7	30	211	7	63	33,012,707	1	23	31	7	130	34	7	102
	Rain	119	3.7	15	70	2	32	8,669,691	1	8	11	2	48	20	3	35
	Fog	23	0.7	3	14	-	6	5,018,590	2	2	1	-	10	5	1	6
	Sleet	7	0.2	1	5	-	1	648,116	0	0	-	-	2	1	-	4
	Snow	50	1.6	3	37	2	8	3,160,818	0	8	5	2	21	7	1	14
-- Sub	1,279	40.1	109	878	29	263	110,010,937	9	117	133	29	534	161	27	395	
Total		3,193	100.0	238	2,112	210	633	277,989,213	63	413	372	210	1,147	359	70	1,035

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

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TABLE 5-13 TRAIN ACCIDENTS BY CONSIST LENGTH, 2000

Length	Consists		Type of Accident				Equipment Damage		Causes					
	Cnt	%	Coll	Der	HR C	Othr	Amount	%	Eqp	HR C	Hmn	Othr	Sig	Trk
???	3	0.1	-	-	-	3	100,724	0.1	3	-	-	-	-	-
1	204	5.7	43	49	5	107	4,407,859	2.4	12	5	114	31	20	22
2-5	407	11.3	64	142	21	180	8,405,951	4.6	18	21	226	59	28	55
6-10	315	8.7	42	119	18	136	10,085,069	5.6	32	18	129	44	1	91
11-15	187	5.2	22	104	19	42	7,504,956	4.1	10	19	88	20	1	49
16-20	188	5.2	20	113	9	46	5,519,611	3.0	8	9	87	15	2	67
21-25	159	4.4	17	95	9	38	3,642,419	2.0	6	9	72	19	3	50
26-30	163	4.5	14	112	7	30	4,308,531	2.4	9	7	68	16	7	56
31-35	154	4.3	23	108	6	17	4,370,532	2.4	11	6	66	21	3	47
36-40	126	3.5	14	88	3	21	5,526,852	3.0	6	3	54	11	4	48
41-45	115	3.2	11	76	7	21	4,512,614	2.5	7	7	48	8	1	44
46-50	114	3.2	13	80	9	12	4,606,954	2.5	11	9	39	12	1	42
51-60	217	6.0	26	146	14	31	9,438,692	5.2	22	14	87	19	2	73
61-70	214	5.9	25	148	12	29	12,299,255	6.8	27	12	80	17	3	75
71-80	191	5.3	20	143	11	17	10,052,216	5.5	25	11	54	23	3	75
81-90	172	4.8	18	130	11	13	14,684,702	8.1	29	11	56	23	1	52
91-100	164	4.5	14	126	13	11	17,864,100	9.8	23	13	49	19	2	58
101-110	175	4.9	9	137	12	17	19,587,788	10.8	34	12	41	21	-	67
111-120	147	4.1	9	111	10	17	15,420,613	8.5	38	10	33	16	4	46
121-130	100	2.8	1	77	7	15	9,523,599	5.2	25	7	26	11	-	31
131-140	54	1.5	3	42	4	5	7,182,807	4.0	10	4	13	5	2	20
141-150	20	0.6	1	17	2	-	1,379,745	0.8	4	2	8	2	-	4
>= 151	17	0.5	2	13	-	2	1,175,975	0.6	3	-	7	1	1	5
Total	3,606	100.0	411	2,176	209	810	181,601,564	100.0	373	209	1,445	413	89	1,077

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.

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TABLE 5-14 TRAIN ACCIDENTS BY TYPE TRACK AND CONSIST, 2000

Track	Equipment	Consists			Type of Accident					Primary Cause				
		Cnt	%	Avg Len.	Coll	Der	HR C	Othr	Eqp	HR C	Hmn	Othr	Sig	Trk
Main	Freight train	926	25.7	78	32	636	134	58	216	134	133	86	4	287
	Psgr train	155	4.3	10	5	9	26	66	21	26	9	22	1	27
	Commuter train	32	0.9	9	-	2	8	16	8	8	3	5	-	2
	Work train	5	0.1	49	-	4	1	-	2	1	-	1	-	1
	Single car	6	0.2	1	-	-	-	2	-	-	1	1	-	-
	Cut of cars	14	0.4	30	1	5	-	4	-	-	9	-	-	1
	Yard/ switch	62	1.7	42	6	33	2	5	4	2	18	3	-	19
	Light loco(s)	21	0.6	3	3	2	4	8	1	4	11	1	-	-
	Maint/ insp car	29	0.8	1	6	4	4	6	1	4	11	4	-	-
	-Sub total	1,250	34.7	62	53	695	179	165	253	179	195	123	5	337
Yard	Freight train	573	15.9	66	32	428	-	38	19	-	195	43	3	238
	Psgr train	16	0.4	9	3	6	-	2	3	-	5	-	-	3
	Commuter train	2	0.1	6	-	-	-	1	-	-	1	-	-	-
	Work train	4	0.1	25	-	3	-	-	2	-	-	-	-	1
	Single car	102	2.8	2	7	12	-	46	3	-	39	8	10	5
	Cut of cars	166	4.6	16	9	41	-	62	1	-	60	31	14	6
	Yard/ switch	940	26.1	35	89	480	-	209	45	-	421	81	33	198
	Light loco(s)	123	3.4	2	19	56	-	23	7	-	55	4	2	30
	Maint/ insp car	3	0.1	1	-	1	-	2	-	-	1	2	-	-
	-Sub total	1,929	53.5	38	159	1,027	-	383	80	-	777	169	62	481
Siding	Freight train	94	2.6	62	3	73	-	13	8	-	35	6	1	39
	Psgr train	2	0.1	17	1	-	-	1	-	-	1	1	-	-
	Work train	2	0.1	29	-	2	-	-	1	-	-	-	-	1
	Cut of cars	10	0.3	25	-	5	-	1	-	-	1	5	-	9
	Yard/ switch	19	0.5	32	1	15	-	2	-	-	6	3	-	9
	Maint/ insp car	1	0.0	1	-	1	-	-	-	-	-	1	-	-
	-Sub total	128	3.5	53	5	96	-	17	9	-	43	16	1	49
	Industry	Freight train	144	4.0	51	7	106	1	17	5	1	42	15	1	67
Commuter train	1	0.0	8	-	-	-	-	-	-	-	-	-	-	-
Single car	3	0.1	1	1	1	-	1	-	-	1	1	-	1	
Cut of cars	19	0.5	12	-	5	-	7	-	-	4	8	-	-	
Yard/ switch	90	2.5	25	3	73	1	12	3	1	30	9	-	46	
Light loco(s)	11	0.3	2	-	4	1	3	-	1	3	3	-	1	
Maint/ insp car	1	0.0	1	-	-	-	-	-	-	-	-	-	-	
-Sub total	269	7.5	36	11	189	3	40	8	3	80	36	1	115	
Other	Freight train	26	0.7	82	1	15	4	3	1	4	6	2	-	10
	Yard/ switch	2	0.1	74	-	2	-	-	-	-	-	-	-	2
	Light loco(s)	2	0.1	3	-	1	-	-	-	-	-	-	-	1
	-Sub total	30	0.8	76	1	18	4	3	1	4	6	2	-	13
Total	3,606	100.0	47	229	2,025	186	608	351	186	1,101	346	69	995	

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.

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TABLE 5-15 TRAIN ACCIDENTS BY CONSIST LENGTH AND TYPE CONSIST, 2000

Length	Freight Train	Psgr Train	Commuter Train	Work Train	Single Car	Cut of Cars	Yard/Switch	Light loco(s)	Maint/Insp car
???	-	3	-	-	-	-	-	-	-
1	-	3	-	-	107	-	-	63	31
2-5	24	35	16	1	2	102	143	81	3
6-10	50	78	18	3	-	30	123	13	-
11-15	48	32	-	-	-	8	99	-	-
16-20	69	10	-	1	-	15	93	-	-
21-25	54	3	-	-	-	8	94	-	-
26-30	73	7	-	-	1	8	74	-	-
31-35	72	1	-	-	-	10	71	-	-
36-40	54	-	-	-	-	5	67	-	-
41-45	63	1	-	-	-	2	49	-	-
46-50	76	-	-	1	-	3	34	-	-
51-60	147	-	-	3	-	2	65	-	-
61-70	144	-	-	2	1	5	62	-	-
71-80	153	-	-	-	-	4	34	-	-
81-90	144	-	-	-	-	-	28	-	-
91-100	139	-	-	-	-	1	24	-	-
101-110	155	-	1	-	-	1	18	-	-
111-120	128	-	-	-	-	4	15	-	-
121-130	91	-	-	-	-	-	9	-	-
131-140	47	-	-	-	-	1	6	-	-
141-150	20	-	-	-	-	-	-	-	-
>= 151	12	-	-	-	-	-	5	-	-
Total	1,763	173	35	11	111	209	1,113	157	34

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.

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TABLE 5-16 INVOLVEMENT IN TRAIN ACCIDENTS BY TYPE CONSIST, 2000

Type Equipment	Total		Type of Accident				Type of Track					Causes					
	Cnt	%	Coll	Der	HR C	Othr	Main	Yard	Siding	Industry	Other	Eqp	HR C	Hmn	Othr	Sig	Trk
Freight train	1,717	50.1	103	1,320	141	153	901	559	93	141	23	257	141	470	166	11	672
Psgr train	158	4.6	9	27	45	77	142	14	2	-	-	25	45	19	30	1	38
Commuter train	35	1.0	2	3	10	20	32	2	-	1	-	10	10	5	5	-	5
Work train	11	0.3	-	9	1	1	5	4	2	-	-	5	1	1	1	-	3
Single car	102	3.0	17	18	-	67	6	93	-	3	-	4	-	55	20	16	7
Cut of cars	196	5.7	25	68	-	103	14	158	7	17	-	1	-	114	52	17	12
Yard/ switch	1,036	30.2	122	634	3	277	59	866	19	90	2	55	3	551	108	35	284
Light loco(s)	144	4.2	29	68	5	42	20	112	-	10	2	8	5	85	9	2	35
Maint/ insp car	30	0.9	9	6	4	11	25	3	1	1	-	1	4	18	7	-	-
Total	3,429	100.0	316	2,153	209	751	1,204	1,811	124	263	27	366	209	1318	398	82	1056

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

TABLE 5-17 DAMAGE BY TRACK TYPE, 2000

Track	Total Damage		Equip Damage		Track Damage	
	Amount	Avg	Amount	Avg	Amount	Avg
Main	199,912,850	143,307	128,103,247	91,830	71,809,603	51,476
Yard	52,842,781	26,277	37,727,429	18,761	15,115,352	7,516
Siding	10,284,055	77,910	5,682,155	43,047	4,601,900	34,863
Industry	9,820,641	35,326	6,786,390	24,411	3,034,251	10,915
Other	5,128,886	100,566	3,356,743	65,818	1,772,143	34,748
Total	277,989,213	71,888	181,655,964	46,976	96,333,249	24,912

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

TABLE 5-18 DAMAGE BY CONSIST TYPE, 2000

Type Equipment	Total Damage		Equip Damage		Track Damage	
	Amount	Avg	Amount	Avg	Amount	Avg
Freight train	212,547,529	120,560	133,622,109	75,792	78,925,420	44,768
Psgr train	12,752,176	73,712	12,315,724	71,189	436,452	2,523
Commuter train	2,724,765	77,850	2,676,310	76,466	48,455	1,384
Work train	635,932	57,812	117,409	10,674	518,523	47,138
Single car	1,245,025	11,216	1,166,330	10,507	78,695	709
Cut of cars	3,976,280	19,025	3,759,224	17,987	217,056	1,039
Yard/ switch	28,333,007	25,456	21,175,040	19,025	7,157,967	6,431
Light loco(s)	5,648,377	35,977	4,886,925	31,127	761,452	4,850
Maint/ insp car	2,456,843	72,260	1,882,493	55,367	574,350	16,893
Other	7,669,279	29,384	54,400	208	7,614,879	29,176
Total	277,989,213	71,888	181,655,964	46,976	96,333,249	24,912

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 1997 the threshold was \$6,500, and in 1998 it was \$6,600.

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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CHAPTER 6

TRAIN ACCIDENTS/INVOLVING CONSISTS TRANSPORTING HAZARDOUS MATERIALS

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TABLE 6-1 CONSISTS TRANSPORTING HAZARDOUS MATERIAL, BY RAILROAD, 2000

Railroad	Hazmat Consists			Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing		Cnt	Damaged	Releasing	Cnt	People
Alton & Southern	1	1	-	4	1	1	-	-	-
Alaska RR Corp.	1	1	1	53	47	6	1	-	-
Bangor & Aroostook	2	1	-	72	11	1	-	-	-
Burlington Northern Santa Fe	253	120	7	16,829	2,362	250	15	3	1,228
Belt Rwy Of Chicago	3	3	-	147	19	6	-	-	-
Conrail Shared Assets	9	6	-	195	72	14	-	1	72
CSX Transportation	116	58	6	7,228	1,034	170	13	-	-
Delaware & Hudson	4	3	1	270	31	19	1	1	45
Duluth,Winnipeg & Pacific	2	2	-	139	25	6	-	-	-
Elgin, Joliet & Eastern	1	1	-	37	2	1	-	-	-
Florida East Coast	3	1	-	144	5	1	-	-	-
Guilford Rail System	2	-	-	33	2	-	-	-	-
Grand Trunk Western RR	2	1	-	149	36	1	-	-	-
Gateway Western	3	1	-	78	11	1	-	-	-
Illinois Central	21	11	-	1,004	217	21	-	-	-
Indiana Harbor Belt	3	1	-	287	42	1	-	-	-
I & M Rail Link, LLC	15	7	1	887	65	10	1	-	-
Kansas City Southern	34	18	1	2,161	232	33	1	-	-
Metro North Commuter	-	-	-	-	0	0	0	-	6
Montana Rail Link	7	5	-	237	53	9	-	-	-
Northeast IL Reg Comm	-	-	-	-	0	0	0	-	1
Norfolk Southern Corp.	44	22	5	2,849	459	84	6	2	200
Paducah & Louisville	3	3	-	69	47	8	-	-	-
Port Terminal RR Assn	2	1	-	90	2	1	-	-	-
Soo Line	6	3	1	262	111	30	6	-	-
Texas Mexican	6	-	-	478	19	-	-	-	-
Term RR Assn Of St. Louis	1	1	-	5	4	1	-	-	-
Union Pacific	152	79	8	10,025	1,710	224	26	2	516
Union RR (Pittsburgh)	1	-	-	76	4	-	-	-	-
Wisconsin Central Ltd.	20	5	2	1,210	91	9	2	2	2,540
Wheeling & Lake Erie	2	1	-	150	9	1	-	-	-
Other railroads	34	25	2	961	219	70	3	2	650
Total	753	381	35	46,129	6,942	979	75	13	5,258

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TABLE 6-2 CONSISTS TRANSPORTING HAZARDOUS MATERIAL, BY STATE, 2000

States	Hazmat Consists			Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing		Cnt	Damaged	Releasing	Cnt	People
Alabama	19	11	2	1,460	189	24	4	1	100
Alaska	1	1	1	53	47	6	1	-	-
Arizona	20	9	2	1,166	258	27	4	-	-
Arkansas	16	9	1	888	156	20	1	-	-
California	46	24	2	2,323	442	61	3	-	-
Colorado	14	7	-	882	178	12	-	-	-
Florida	13	9	2	695	182	24	2	-	-
Georgia	8	3	1	644	132	16	6	-	-
Idaho	9	4	-	577	89	10	-	-	-
Illinois	54	32	1	3,231	316	46	1	-	1
Indiana	10	6	1	644	74	36	1	1	150
Iowa	17	10	1	1,051	75	15	1	-	-
Kansas	26	14	-	1,754	203	29	-	-	-
Kentucky	9	5	-	397	75	10	-	-	-
Louisiana	45	28	3	3,236	708	98	20	2	603
Maine	4	1	-	105	13	1	-	-	-
Maryland	9	3	-	261	20	7	-	-	-
Massachusetts	2	-	-	101	9	-	-	-	-
Michigan	14	7	-	678	110	19	-	1	72
Minnesota	22	14	1	1,123	207	44	6	-	-
Mississippi	15	8	-	913	96	15	-	-	-
Missouri	27	10	-	2,039	184	21	-	-	-
Montana	16	6	-	992	165	12	-	-	-
Nebraska	18	4	1	1,350	149	15	5	1	1,100
Nevada	2	1	-	117	23	1	-	-	-
New Jersey	7	4	-	330	107	7	-	-	-
New Mexico	6	2	-	486	61	2	-	-	-
New York	21	14	2	1,195	186	38	2	1	51
North Carolina	7	5	2	362	39	14	3	-	-
North Dakota	6	2	-	391	44	3	-	-	-
Ohio	26	14	2	1,803	263	67	3	1	50
Oklahoma	19	10	-	836	118	30	-	1	25
Oregon	12	6	1	848	53	13	2	-	-
Pennsylvania	26	14	1	1,497	176	34	2	-	-
South Carolina	8	5	-	389	57	9	-	-	-
Tennessee	25	11	-	1,292	209	24	-	1	550
Texas	92	40	4	6,057	1,148	102	4	1	16
Utah	4	3	1	154	40	7	1	-	-
Virginia	3	2	-	192	32	13	-	-	-
Washington	20	7	-	1,335	90	9	-	-	-
West Virginia	1	-	-	48	7	-	-	-	-
Wisconsin	21	7	2	1,274	114	14	2	2	2,540
Wyoming	13	9	1	960	98	24	1	-	-
Total	753	381	35	46,129	6,942	979	75	13	5,258

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TABLE 6-3 CONSISTS TRANSPORTING HAZARDOUS MATERIAL, BY SUBCAUSE, 2000

Causes	Hazmat Consists			Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing		Cnt	Damaged	Releasing	Cnt	People
Brakes	8	5	-	422	88	10	-	-	-
Trailer/Container on Flatcar	2	-	-	135	26	-	-	-	-
Body	9	1	-	761	67	4	-	-	-
Coupler & Draft System	14	7	1	1,311	97	26	5	1	1,100
Truck Components	29	13	2	2,378	279	34	3	-	-
Axles & Journal Bearings	19	7	1	1,644	212	48	2	-	-
Wheels	16	5	1	1,249	251	41	6	-	-
Locomotives	3	1	-	319	14	1	0	-	6
Doors	1	-	-	69	2	-	-	-	-
Other Mechanical	1	1	1	14	2	2	1	-	-
Brakes, Use of	47	31	1	1,668	330	70	1	-	-
Flagging, Fixed, Hand & Radio	7	2	-	548	93	2	-	-	-
General Switching Rules	109	74	2	4,023	526	114	2	1	240
Main Track Authority	10	3	2	949	137	4	3	-	-
Train Handling/Makeup	52	23	1	4,494	444	48	1	-	-
Speed	26	10	-	1,419	236	21	-	-	-
Switches, Use of	40	20	2	2,438	351	37	3	1	50
Miscellaneous Human Factors	8	3	-	360	38	6	-	-	-
Environmental Conditions	7	4	-	306	24	8	-	-	-
Loading Procedures	14	4	1	1,064	128	7	1	-	1
Highway-Rail Incidents	30	1	-	1,808	310	1	-	-	-
Unusual Operational Situations	35	18	2	2,229	291	51	2	3	3,000
Other Miscellaneous Causes	24	11	3	1,412	306	48	20	1	500
Signal Defects	12	8	-	454	40	14	-	-	-
Roadbed	8	3	1	576	91	11	2	-	-
Track Geometry	101	59	6	6,054	1,133	171	6	4	233
Rail, Joint Bar & Anchors	76	46	7	5,084	830	142	16	1	25
Frogs, Switches, Appliances	45	21	1	2,941	596	58	1	1	103
Total	753	381	35	46,129	6,942	979	75	13	5,258

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TABLE 6-4 CONSISTS TRANSPORTING HAZARDOUS MATERIAL, BY ACCIDENT TYPE, 2000

Type Accident	Hazmat Consists			Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing		Cnt	Damaged	Releasing	Cnt	People
Derailments	511	265	30	34,577	5,313	766	70	12	2,952
Head on collision	3	1	-	244	11	1	-	-	-
Rear end collision	10	4	-	712	164	12	-	-	-
Side collision	45	22	-	2,074	246	46	-	-	-
Raking collision	20	8	1	790	138	13	1	-	-
Broken train coll.	3	2	-	382	31	4	-	-	-
Highway-rail Impact	30	1	-	1,808	310	1	-	-	-
Obstruction impact	4	-	-	326	14	-	-	-	-
Fire/violent rupture	1	-	-	76	1	0	0	-	6
Other impacts	106	74	3	3,911	558	128	3	-	-
Other events	20	4	1	1,229	156	8	1	1	2,300
Total	753	381	35	46,129	6,942	979	75	13	5,258

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 1997 was \$6,500, and in 1998 it was \$6,600.

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

Suicides or attempted suicides, as determined by a coroner or other public authority, at highway-rail crossing sites are not reportable. However, the event may be reportable under other criteria. For example, reportable conditions to others must be recorded on Form FRA F 6180.55a, e.g., the engineer sustained a fractured arm. Likewise, if the event caused reportable damage above the current monetary threshold for Rail Equipment Accidents/Incidents, a Form FRA F 6180.54 must be prepared. In these situations, the type of accident is coded as an "Obstruction".

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

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

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

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HIGHWAY-RAIL INCIDENTS

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TABLE 7-1 TOTAL HIGHWAY-RAIL INCIDENTS, BY RAILROAD, 2000

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.	7	-	-	7	-	-	-	-	-	-	-	-	-	-	-
Amtrak	202	56	90	144	31	59	24	15	-	7	32	10	24	2	-
Bangor & Aroostook	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Burlington Northern Santa Fe	536	65	202	409	46	165	28	13	8	95	6	29	4	-	-
Conrail Shared Assets	22	1	10	20	1	10	-	-	-	2	-	-	-	-	-
CSX Transportation	490	55	212	414	40	180	27	13	13	48	2	19	1	-	-
Delaware & Hudson	7	1	4	6	1	4	-	-	-	1	-	-	-	-	-
Dakota,Minnesota & Eastern	11	-	4	9	-	2	1	-	1	1	-	1	-	-	-
Duluth,Missabe & Iron Range	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-
Duluth,Winnipeg & Pacific	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Elgin, Joliet & Eastern	5	-	-	3	-	-	1	-	-	1	-	-	-	-	-
Florida East Coast	14	7	6	12	6	4	1	1	-	1	-	2	-	-	-
Guilford Rail System	6	-	1	4	-	-	-	-	-	2	-	1	-	-	-
Grand Trunk Western RR	26	1	10	24	1	10	-	-	-	2	-	-	-	-	-
Gateway Western	6	2	3	5	2	2	-	-	-	1	-	1	-	-	-
Illinois Central	107	14	55	101	14	53	-	-	-	6	-	2	-	-	-
Indiana Harbor Belt	9	1	3	5	1	1	1	-	1	3	-	1	-	-	-
I & M Rail Link, LLC	45	5	15	38	3	10	-	-	-	7	2	5	-	-	-
Kansas City Southern	148	19	57	127	17	48	4	1	2	16	1	7	1	-	-
Long Island Rail Road	8	1	3	5	-	1	3	1	2	-	-	-	-	-	-
MD Assn. of Rail Comm	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Mass Bay Transit Auth.	6	1	1	4	-	-	2	1	1	-	-	-	-	-	-
Metro North Commuter	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-
Montana Rail Link	13	3	-	8	3	-	1	-	-	4	-	-	-	-	-
Northern IN Comm Trans	5	-	-	5	-	-	-	-	-	-	-	-	-	-	-
Northeast IL Reg Comm	19	3	-	18	2	-	-	-	-	1	1	-	-	-	-
New Jersey Transit Rail	6	3	-	3	-	-	3	3	-	-	-	-	-	-	-
Norfolk Southern Corp.	586	59	129	503	45	108	10	3	5	73	11	16	-	-	-
Paducah & Louisville	10	-	2	9	-	2	-	-	-	1	-	-	-	-	-
Peninsula Comm San Mateo Cnty	4	2	3	3	1	3	1	1	-	-	-	-	-	-	-
Port Terminal RR Assn	8	-	2	3	-	2	-	-	-	5	-	-	-	-	-
Southern CA Reg Rail Auth.	8	1	2	7	-	2	1	1	-	-	-	-	-	-	-
Southeastern PA Trans.	4	-	3	4	-	3	-	-	-	-	-	-	-	-	-
Soo Line	35	2	19	25	1	17	-	-	-	9	-	2	1	1	-
Texas Mexican	15	1	7	13	-	7	-	-	-	2	1	-	-	-	-
Term RR Assn Of St. Louis	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Union Pacific	685	101	244	580	75	216	22	9	7	81	17	21	2	-	-
Wisconsin Central Ltd.	96	9	43	90	8	41	-	-	-	6	1	2	-	-	-
Wheeling & Lake Erie	8	-	3	8	-	3	-	-	-	-	-	-	-	-	-
Other Railroads	338	12	84	272	8	74	7	1	3	57	3	7	2	-	-
Total	3,502	425	1,219	2,895	306	1,029	137	63	50	457	55	140	13	1	-

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TABLE 7-2 TOTAL HIGHWAY-RAIL INCIDENTS, BY STATE, 2000

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	95	10	39	83	8	35	1	1	-	11	1	4	-	-	-
Alaska	7	-	-	7	-	-	-	-	-	-	-	-	-	-	-
Arizona	29	8	13	25	6	12	1	1	-	3	1	1	-	-	-
Arkansas	115	27	36	97	25	31	2	1	1	14	1	4	2	-	-
California	174	27	54	122	11	34	19	11	7	29	5	13	4	-	-
Colorado	36	6	8	30	4	6	1	1	-	5	1	2	-	-	-
Connecticut	8	2	-	3	1	-	1	1	-	4	-	-	-	-	-
Delaware	10	-	7	10	-	7	-	-	-	-	-	-	-	-	-
Dist Of Columbia	2	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Florida	86	15	67	69	10	60	6	4	2	11	1	5	-	-	-
Georgia	128	10	38	114	9	30	5	1	4	9	-	4	-	-	-
Idaho	33	11	1	24	7	1	2	1	-	7	3	-	-	-	-
Illinois	217	31	68	179	23	53	17	6	9	20	1	6	1	1	-
Indiana	194	23	55	182	21	52	6	2	3	6	-	-	-	-	-
Iowa	109	6	31	97	6	26	2	-	1	9	-	4	1	-	-
Kansas	67	11	18	57	8	18	1	1	-	9	2	-	-	-	-
Kentucky	69	5	20	57	4	17	-	-	-	12	1	3	-	-	-
Louisiana	181	14	88	158	12	77	4	-	-	19	2	11	-	-	-
Maine	8	1	1	5	-	1	-	-	-	3	1	-	-	-	-
Maryland	19	1	2	10	-	1	2	1	-	6	-	1	1	-	-
Massachusetts	12	1	4	9	-	2	2	1	1	1	-	1	-	-	-
Michigan	134	13	51	125	12	47	3	1	2	6	-	2	-	-	-
Minnesota	91	6	40	83	4	36	1	-	1	7	2	3	-	-	-
Mississippi	113	15	44	105	13	44	2	2	-	5	-	-	1	-	-
Missouri	88	17	27	63	11	24	4	3	-	21	3	3	-	-	-
Montana	24	1	2	13	-	2	1	-	-	10	1	-	-	-	-
Nebraska	55	7	14	42	5	10	4	2	1	9	-	3	-	-	-
Nevada	2	-	-	1	-	-	-	-	-	1	-	-	-	-	-
New Hampshire	3	-	-	3	-	-	-	-	-	-	-	-	-	-	-
New Jersey	36	5	10	31	2	10	3	3	-	2	-	-	-	-	-
New Mexico	17	-	11	13	-	10	-	-	-	4	-	1	-	-	-
New York	41	5	14	28	2	7	5	2	2	8	1	5	-	-	-
North Carolina	113	14	25	93	6	13	1	-	1	19	8	11	-	-	-
North Dakota	17	6	2	15	4	2	1	1	-	1	1	-	-	-	-
Ohio	148	15	38	126	8	33	12	7	5	9	-	-	1	-	-
Oklahoma	89	12	47	76	10	45	7	2	1	6	-	1	-	-	-
Oregon	30	-	13	21	-	11	-	-	-	9	-	2	-	-	-
Pennsylvania	69	8	17	57	5	16	2	2	-	10	1	1	-	-	-
South Carolina	80	10	24	65	7	21	2	1	1	13	2	2	-	-	-
South Dakota	11	-	5	7	-	3	1	-	1	3	-	1	-	-	-
Tennessee	90	8	26	80	7	22	-	-	-	10	1	4	-	-	-
Texas	388	52	164	316	38	134	11	3	5	60	11	25	1	-	-
Utah	18	2	7	15	2	6	-	-	-	3	-	1	-	-	-
Vermont	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Virginia	54	3	21	32	1	13	2	1	1	20	1	7	-	-	-
Washington	45	1	10	23	-	7	1	-	1	20	1	2	1	-	-
West Virginia	20	1	8	14	1	5	-	-	-	6	-	3	-	-	-
Wisconsin	122	15	49	108	13	45	2	-	-	12	2	4	-	-	-
Wyoming	3	-	-	-	-	-	-	-	-	3	-	-	-	-	-
Total	3,502	425	1,219	2,895	306	1,029	137	63	50	457	55	140	13	1	-

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TABLE 7-3 TOTAL HIGHWAY-RAIL CASUALTIES, BY STATE AND AGE GROUP, 2000

States	Deaths						Nonfatal Cases					
	Age Group				Total		Age Group				Total	
	Unk	< 16	16-21	> 21	Cnt	%	Unk	< 16	16-21	> 21	Cnt	%
Alabama	-	-	2	8	10	2.4	-	4	13	22	39	3.2
Arizona	1	2	1	4	8	1.9	2	-	7	4	13	1.1
Arkansas	1	6	3	17	27	6.4	2	4	1	29	36	3.0
California	7	1	3	16	27	6.4	14	4	5	31	54	4.4
Colorado	1	-	1	4	6	1.4	1	-	3	4	8	0.7
Connecticut	-	-	1	1	2	0.5	-	-	-	-	0	0.0
Delaware	-	-	-	0	0	0.0	-	1	-	6	7	0.6
Florida	1	1	1	12	15	3.5	4	9	28	26	67	5.5
Georgia	-	1	-	9	10	2.4	1	6	7	24	38	3.1
Idaho	1	2	3	5	11	2.6	-	-	1	-	1	0.1
Illinois	3	1	3	24	31	7.3	10	3	12	43	68	5.6
Indiana	3	3	3	14	23	5.4	2	5	15	33	55	4.5
Iowa	-	-	2	4	6	1.4	7	1	5	18	31	2.5
Kansas	2	-	1	8	11	2.6	1	2	4	11	18	1.5
Kentucky	-	-	1	4	5	1.2	-	2	8	10	20	1.6
Louisiana	1	-	6	7	14	3.3	9	5	11	63	88	7.2
Maine	-	-	-	1	1	0.2	-	-	-	1	1	0.1
Maryland	-	-	-	1	1	0.2	-	-	-	2	2	0.2
Massachusetts	-	-	-	1	1	0.2	-	-	1	3	4	0.3
Michigan	1	-	1	11	13	3.1	3	5	11	32	51	4.2
Minnesota	-	1	2	3	6	1.4	3	3	8	26	40	3.3
Mississippi	1	-	2	12	15	3.5	7	1	7	29	44	3.6
Missouri	-	1	5	11	17	4.0	5	1	3	18	27	2.2
Montana	-	-	-	1	1	0.2	1	-	-	1	2	0.2
Nebraska	-	-	-	7	7	1.6	1	3	3	7	14	1.1
New Jersey	-	-	-	5	5	1.2	-	-	-	10	10	0.8
New Mexico	-	-	-	-	0	0.0	-	-	-	11	11	0.9
New York	-	-	1	4	5	1.2	-	1	-	13	14	1.1
North Carolina	-	-	4	10	14	3.3	-	-	16	9	25	2.1
North Dakota	-	-	-	6	6	1.4	-	-	-	2	2	0.2
Ohio	4	-	-	11	15	3.5	2	3	8	25	38	3.1
Oklahoma	-	-	1	11	12	2.8	6	8	9	24	47	3.9
Oregon	-	-	-	0	0	0.0	4	2	-	7	13	1.1
Pennsylvania	-	2	1	5	8	1.9	1	3	2	11	17	1.4
South Carolina	-	1	1	8	10	2.4	-	-	5	19	24	2.0
South Dakota	-	-	-	-	0	0.0	2	-	1	2	5	0.4
Tennessee	-	4	1	3	8	1.9	1	4	5	16	26	2.1
Texas	2	10	8	32	52	12.2	16	12	18	118	164	13.5
Utah	-	-	-	2	2	0.5	-	1	1	5	7	0.6
Virginia	-	-	-	3	3	0.7	1	4	4	12	21	1.7
Washington	1	-	-	-	1	0.2	5	-	1	4	10	0.8
West Virginia	-	-	-	1	1	0.2	-	2	1	5	8	0.7
Wisconsin	1	-	3	11	15	3.5	-	3	9	37	49	4.0
Total	31	36	61	297	425	100.0	111	102	233	773	1,219	100.0

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TABLE 7-4 TOTAL HIGHWAY-RAIL INCIDENTS, BY MONTH, 2000

Railroads	Totals			At Public Crossing						At Private Crossing					
				Motor Vehicle			Other			Motor Vehicle			Other		
	Cnt	KId	Nonfatal	Cnt	KId	Nonfatal	Cnt	KId	Nonfatal	Cnt	KId	Nonfatal	Cnt	KId	Nonfatal
January	352	54	118	295	40	107	18	11	1	38	3	10	1	-	-
February	282	23	109	243	16	90	8	6	2	30	1	17	1	-	-
March	265	33	128	215	26	109	12	4	6	38	3	13	-	-	-
April	225	32	59	177	22	50	10	5	3	37	5	6	1	-	-
May	269	31	99	205	16	78	15	7	8	46	7	13	3	1	-
June	266	39	102	226	28	92	9	6	3	30	5	7	1	-	-
July	299	46	122	256	42	102	12	3	7	31	1	13	-	-	-
August	311	41	91	248	31	77	11	2	7	48	8	7	4	-	-
September	271	35	98	214	22	81	10	6	3	46	7	14	1	-	-
October	266	28	84	219	19	71	15	9	3	31	-	10	1	-	-
November	302	33	74	243	23	52	10	1	3	49	9	19	-	-	-
December	394	30	135	354	21	120	7	3	4	33	6	11	-	-	-
Total	3,502	425	1,219	2,895	306	1,029	137	63	50	457	55	140	13	1	-

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TABLE 7-5 TOTAL HIGHWAY-RAIL INCIDENTS, BY DAY, 2000

Rail Equip Struck Highway User

Day	Total Incidents		Total		At Public Crossing						At Private Crossing					
	Cnt	%			Motor Vehicle			Other			Motor Vehicle			Other		
			Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Sunday	272	7.77	47	98	223	36	83	15	8	4	32	3	11	2	-	-
Monday	425	12.14	49	131	327	25	102	24	10	9	72	13	20	2	1	-
Tuesday	425	12.14	63	147	339	42	123	18	13	3	67	8	21	1	-	-
Wednesday	396	11.31	50	124	329	36	106	13	7	5	53	7	13	1	-	-
Thursday	435	12.42	66	136	351	51	103	20	7	8	63	8	25	1	-	-
Friday	438	12.51	53	170	349	39	147	22	8	8	65	6	15	2	-	-
Saturday	383	10.94	53	138	309	37	104	16	7	8	56	9	26	2	-	-
Total	2774	79.21	381	944	2,227	266	768	128	60	45	408	54	131	11	1	-

Highway User Struck Rail Equip

Day	Total Incidents		Total		At Public Crossing						At Private Crossing					
	Cnt	%			Motor Vehicle			Other			Motor Vehicle			Other		
			Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Sunday	76	2.17	10	35	74	10	35	-	-	-	2	-	-	-	-	-
Monday	101	2.88	8	39	87	6	36	2	1	1	10	1	2	2	-	-
Tuesday	99	2.83	5	41	87	4	39	2	1	1	10	-	1	-	-	-
Wednesday	106	3.03	1	44	94	1	41	1	-	1	11	-	2	-	-	-
Thursday	119	3.40	6	51	115	6	48	1	-	1	3	-	2	-	-	-
Friday	136	3.88	10	38	128	10	36	-	-	-	8	-	2	-	-	-
Saturday	91	2.60	4	27	83	3	26	3	1	1	5	-	-	-	-	-
Total	728	20.79	44	275	668	40	261	9	3	5	49	1	9	2	-	-

Grand Total

Day	Total Incidents		Total		At Public Crossing						At Private Crossing					
	Cnt	%			Motor Vehicle			Other			Motor Vehicle			Other		
			Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Sunday	348	9.94	57	133	297	46	118	15	8	4	34	3	11	2	-	-
Monday	526	15.02	57	170	414	31	138	26	11	10	82	14	22	4	1	-
Tuesday	524	14.96	68	188	426	46	162	20	14	4	77	8	22	1	-	-
Wednesday	502	14.33	51	168	423	37	147	14	7	6	64	7	15	1	-	-
Thursday	554	15.82	72	187	466	57	151	21	7	9	66	8	27	1	-	-
Friday	574	16.39	63	208	477	49	183	22	8	8	73	6	17	2	-	-
Saturday	474	13.54	57	165	392	40	130	19	8	9	61	9	26	2	-	-
Total	3502	100.00	425	1219	2,895	306	1029	137	63	50	457	55	140	13	1	-

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TABLE 7-6 TOTAL HIGHWAY-RAIL INCIDENTS, BY HOUR OF DAY, 2000

Hour of Day	Total Incidents		Total		At Public Crossing						At Private Crossing							
	Cnt	%			Motor Vehicle			Other			Motor Vehicle			Other				
			Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal		
AM																		
1	105	3.00	5	20	95	3	16	5	2	3	5	-	1	-	-	-	-	-
2	89	2.54	6	19	71	4	12	4	2	2	14	-	5	-	-	-	-	-
3	76	2.17	8	12	58	5	10	6	3	2	12	-	-	-	-	-	-	-
4	60	1.71	3	9	54	3	9	3	-	-	3	-	-	-	-	-	-	-
5	58	1.66	6	21	45	4	16	3	2	1	10	-	4	-	-	-	-	-
6	97	2.77	11	34	78	7	25	3	-	2	16	4	7	-	-	-	-	-
7	168	4.80	27	58	137	21	52	3	2	-	26	4	6	2	-	-	-	-
8	163	4.65	20	62	129	13	48	5	4	1	28	3	13	1	-	-	-	-
9	196	5.60	25	62	161	19	53	5	3	1	30	3	8	-	-	-	-	-
10	214	6.11	29	72	177	21	64	5	2	-	31	6	8	1	-	-	-	-
11	193	5.51	20	80	158	15	69	5	3	-	27	2	11	3	-	-	-	-
12	86	2.46	8	27	74	6	21	2	-	1	9	2	5	1	-	-	-	-
Total	1505	42.98	168	476	1,237	121	395	49	23	13	211	24	68	8	-	-	-	-
PM																		
1	192	5.48	25	72	157	20	62	6	2	3	29	3	7	-	-	-	-	-
2	212	6.05	35	82	181	25	70	7	5	2	24	5	10	-	-	-	-	-
3	220	6.28	20	117	183	15	107	8	4	4	28	1	6	1	-	-	-	-
4	198	5.65	37	80	166	26	69	12	6	5	18	4	6	2	1	-	-	-
5	220	6.28	30	68	185	25	62	10	3	3	25	2	3	-	-	-	-	-
6	174	4.97	29	60	146	24	54	7	4	3	21	1	3	-	-	-	-	-
7	123	3.51	12	37	102	6	31	6	1	4	15	5	2	-	-	-	-	-
8	120	3.43	12	46	97	9	39	6	2	4	16	1	3	1	-	-	-	-
9	140	4.00	13	41	114	7	25	8	3	5	18	3	11	-	-	-	-	-
10	104	2.97	8	37	86	6	33	5	2	1	13	-	3	-	-	-	-	-
11	102	2.91	11	20	84	4	16	4	4	-	13	3	4	1	-	-	-	-
12	192	5.48	25	83	157	18	66	9	4	3	26	3	14	-	-	-	-	-
Total	1997	57.02	257	743	1,658	185	634	88	40	37	246	31	72	5	1	-	-	-
Total	3502	100.00	425	1219	2,895	306	1029	137	63	50	457	55	140	13	1	-	-	-

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TABLE 7-7 TOTAL HIGHWAY-RAIL INCIDENTS, BY TYPE HIGHWAY USER, 2000

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	1304	37.24	159	442	1,162	130	388	-	-	-	142	29	54	-	-	-
Truck	319	9.11	36	90	253	27	68	-	-	-	66	9	22	-	-	-
Trk & Trail	405	11.56	16	123	303	13	92	-	-	-	102	3	31	-	-	-
Pickup Trk	411	11.74	74	150	344	64	134	-	-	-	67	10	16	-	-	-
Van	124	3.54	25	41	109	25	35	-	-	-	15	-	6	-	-	-
Bus	4	0.11	-	3	4	-	3	-	-	-	-	-	-	-	-	-
School Bus	4	0.11	3	32	4	3	32	-	-	-	-	-	-	-	-	-
Motorcycle	7	0.20	-	4	7	-	4	-	-	-	-	-	-	-	-	-
Oth mtr Veh.	57	1.63	7	14	41	4	12	-	-	-	16	3	2	-	-	-
Pedestrian	84	2.40	49	32	-	-	-	83	48	32	-	-	-	1	1	-
Other	55	1.57	12	13	-	-	-	45	12	13	-	-	-	10	-	-
Total	2774	79.21	381	944	2,227	266	768	128	60	45	408	54	131	11	1	-

Highway User Struck Rail Equip

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	393	11.22	19	138	373	18	134	-	-	-	20	1	4	-	-	-
Truck	88	2.51	7	32	75	7	29	-	-	-	13	-	3	-	-	-
Trk & trail	41	1.17	3	27	32	3	26	-	-	-	9	-	1	-	-	-
Pickup trk	143	4.08	4	47	140	4	47	-	-	-	3	-	-	-	-	-
Van	37	1.06	7	15	36	7	15	-	-	-	1	-	-	-	-	-
Motorcycle	5	0.14	1	5	5	1	5	-	-	-	-	-	-	-	-	-
Oth mtr veh.	10	0.29	-	6	7	-	5	-	-	-	3	-	1	-	-	-
Pedestrian	4	0.11	2	2	-	-	-	4	2	2	-	-	-	-	-	-
Other	7	0.20	1	3	-	-	-	5	1	3	-	-	-	2	-	-
Total	728	20.79	44	275	668	40	261	9	3	5	49	1	9	2	-	-

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TABLE 7-8 HIGHWAY-RAIL INCIDENTS, BY USERS, 2000

Rail Equip Struck Highway User

Highway User	Total		Freight Train	Psgr Train	Commuter Train	Work Train	Cut of Cars	Yard/Switch	Light Loco(s)	Maint Insp Car
	Cnt	%								
Car	1,304	37.2	984	114	32	3	1	72	82	16
Truck	319	9.1	250	16	1	-	1	22	25	4
Trk & trail	405	11.6	305	24	2	3	1	43	26	1
Pickup trk	411	11.7	330	30	-	1	-	20	26	4
Van	124	3.5	93	10	2	-	-	7	9	3
Bus	4	0.1	3	-	-	-	-	-	-	1
School bus	4	0.1	2	-	-	-	-	1	1	-
Motorcycle	7	0.2	5	1	-	-	-	1	-	-
Oth mtr veh.	57	1.6	45	5	-	1	-	2	4	-
Pedestrian	84	2.4	49	22	6	-	-	3	4	-
Other	55	1.6	41	9	-	-	-	3	2	-
Total	2,774	79.2	2,107	231	43	8	3	174	179	29

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
	Cnt	%									
Car	393	11.2	298	9	4	2	1	1	49	21	8
Truck	88	2.5	62	2	-	1	-	-	6	13	4
Trk & trail	41	1.2	29	1	-	-	-	-	7	3	1
Pickup trk	143	4.1	107	4	-	2	-	1	14	9	6
Van	37	1.1	23	1	-	-	1	-	6	1	5
Motorcycle	5	0.1	5	-	-	-	-	-	-	-	-
Oth mtr veh.	10	0.3	8	-	-	-	-	-	1	-	1
Pedestrian	4	0.1	2	2	-	-	-	-	-	-	-
Other	7	0.2	6	-	-	-	-	-	1	-	-
Total	728	20.8	540	19	4	5	2	2	84	47	25

TABLE 7-9 TOTAL HIGHWAY-RAIL INCIDENTS, BY WARNING DEVICE, 2000

Warning	Total Incidents		Total		At Public Crossing						At Private Crossing					
	Cnt	%	Kld	Nonfatal	Motor Vehicle			Other			Motor Vehicle			Other		
					Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Gates	905	25.84	116	260	804	69	216	92	47	33	9	-	11	-	-	-
Flashing lights	701	20.02	69	257	662	63	243	18	6	10	21	-	4	-	-	-
HWTS,WW, bells	33	0.94	2	14	28	1	11	1	1	-	4	-	3	-	-	-
Watchman	48	1.37	-	13	32	-	9	-	-	-	16	-	4	-	-	-
Stop signs	472	13.48	67	195	315	40	143	4	1	-	149	26	52	4	-	-
Cross bucks	1216	34.72	159	457	1,038	133	405	21	7	7	152	19	45	5	-	-
Other	9	0.26	-	-	1	-	-	-	-	-	8	-	-	-	-	-
None	118	3.37	12	23	15	-	2	1	1	-	98	10	21	4	1	-
Total	3502	100.00	425	1219	2,895	306	1029	137	63	50	457	55	140	13	1	-

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TABLE 7-10 TOTAL HIGHWAY-RAIL INCIDENTS, BY WEATHER, 2000

Rail Equip Struck Highway User

Type Weather	Total Incidents		Total		At Public Crossing						At Private Crossing					
	Cnt	%			Motor Vehicle			Other			Motor Vehicle			Other		
			Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Clear	1905	54.40	287	682	1,514	200	551	88	43	31	295	44	100	8	-	-
Cloudy	609	17.39	78	181	502	57	151	29	12	11	75	8	19	3	1	-
Rain	143	4.08	7	51	109	2	38	6	3	2	28	2	11	-	-	-
Fog	40	1.14	3	11	33	2	9	2	1	1	5	-	1	-	-	-
Sleet	3	0.09	1	-	3	1	-	-	-	-	-	-	-	-	-	-
Snow	74	2.11	5	19	66	4	19	3	1	-	5	-	-	-	-	-
Total	2774	79.21	381	944	2,227	266	768	128	60	45	408	54	131	11	1	-

Highway User Struck Rail Equip

Type Weather	Total Incidents		Total		At Public Crossing						At Private Crossing					
	Cnt	%			Motor Vehicle			Other			Motor Vehicle			Other		
			Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Clear	485	13.85	33	196	438	29	183	9	3	5	37	1	8	1	-	-
Cloudy	143	4.08	8	57	134	8	57	-	-	-	8	-	-	1	-	-
Rain	51	1.46	-	9	49	-	9	-	-	-	2	-	-	-	-	-
Fog	18	0.51	3	5	18	3	5	-	-	-	-	-	-	-	-	-
Sleet	1	0.03	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Snow	30	0.86	-	8	28	-	7	-	-	-	2	-	1	-	-	-
Total	728	20.79	44	275	668	40	261	9	3	5	49	1	9	2	-	-

Grand Total

Type Weather	Total Incidents		Total		At Public Crossing						At Private Crossing					
	Cnt	%			Motor Vehicle			Other			Motor Vehicle			Other		
			Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Clear	2390	68.25	320	878	1,952	229	734	97	46	36	332	45	108	9	-	-
Cloudy	752	21.47	86	238	636	65	208	29	12	11	83	8	19	4	1	-
Rain	194	5.54	7	60	158	2	47	6	3	2	30	2	11	-	-	-
Fog	58	1.66	6	16	51	5	14	2	1	1	5	-	1	-	-	-
Sleet	4	0.11	1	-	4	1	-	-	-	-	-	-	-	-	-	-
Snow	104	2.97	5	27	94	4	26	3	1	-	7	-	1	-	-	-
Total	3502	100.00	425	1219	2,895	306	1029	137	63	50	457	55	140	13	1	-

CHAPTER 8

HIGHWAY-RAIL INCIDENTS AT PUBLIC CROSSINGS THAT INVOLVE MOTOR VEHICLES

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

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

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CHAPTER 8

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TABLE 8-1 RATES FOR MOTOR VEHICLE INCIDENTS AT PUBLIC CROSSINGS, BY STATE, 2000

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	83	2.38	2.07	1.20	8	0.23	0.20	0.12	35	1.01	8.74	0.05
Alaska	7	3.13	1.19	1.46	.	.	.	.	.	.	.	.
Arizona	25	2.67	0.67	0.84	6	0.64	0.16	0.20	12	1.28	3.20	0.04
Arkansas	97	3.10	5.27	2.54	25	0.80	1.36	0.65	31	0.99	16.85	0.08
California	122	1.56	0.46	0.30	11	0.14	0.04	0.03	34	0.43	1.27	0.01
Colorado	30	1.54	0.76	0.75	4	0.21	0.10	0.10	6	0.31	1.52	0.01
Connecticut	3	0.84	0.11	0.24	1	0.28	0.04	0.08	.	.	.	.
Delaware	10	3.27	1.60	0.93	.	.	.	.	7	2.29	11.18	0.07
Dist Of Columbia	.	.	.	.	.	.	.	.	.	.	.	.
Florida	69	1.75	0.59	0.36	10	0.25	0.09	0.05	60	1.52	5.16	0.03
Georgia	114	1.93	1.61	1.25	9	0.15	0.13	0.10	30	0.51	4.25	0.03
Hawaii	.	.	.	.	.	.	.	.	.	.	.	.
Idaho	24	1.74	2.05	1.32	7	0.51	0.60	0.38	1	0.07	0.85	0.01
Illinois	179	2.05	1.87	0.94	23	0.26	0.24	0.12	53	0.61	5.54	0.03
Indiana	182	2.81	3.25	1.34	21	0.32	0.37	0.16	52	0.80	9.28	0.04
Iowa	97	1.89	3.05	1.82	6	0.12	0.19	0.11	26	0.51	8.19	0.05
Kansas	57	0.86	2.51	1.19	8	0.12	0.35	0.17	18	0.27	7.92	0.04
Kentucky	57	2.29	2.11	1.46	4	0.16	0.15	0.10	17	0.68	6.29	0.04
Louisiana	158	4.49	4.45	2.22	12	0.34	0.34	0.17	77	2.19	21.70	0.11
Maine	5	0.60	0.53	0.26	.	.	.	.	1	0.12	1.06	0.01
Maryland	10	1.45	0.25	0.41	.	.	.	.	1	0.15	0.25	0.00
Massachusetts	9	0.78	0.17	0.21	.	.	.	.	2	0.17	0.37	0.00
Michigan	125	2.31	1.48	0.83	12	0.22	0.14	0.08	47	0.87	5.56	0.03
Minnesota	83	1.63	2.01	1.34	4	0.08	0.10	0.06	36	0.71	8.70	0.06
Mississippi	105	3.73	4.47	2.11	13	0.46	0.55	0.26	44	1.56	18.73	0.09
Missouri	63	1.34	1.41	1.28	11	0.23	0.25	0.22	24	0.51	5.38	0.05
Montana	13	0.87	1.27	0.99	.	.	.	.	2	0.13	1.96	0.02
Nebraska	42	1.10	2.64	1.72	5	0.13	0.31	0.20	10	0.26	6.29	0.04
Nevada	1	0.33	0.08	0.11	.	.	.	.	.	.	.	.
New Hampshire	3	0.74	0.27	0.29	.	.	.	.	.	.	.	.
New Jersey	31	1.67	0.50	0.28	2	0.11	0.03	0.02	10	0.54	1.61	0.01
New Mexico	13	1.68	0.81	1.46	.	.	.	.	10	1.29	6.22	0.11
New York	28	0.90	0.26	0.36	2	0.06	0.02	0.03	7	0.23	0.64	0.01
North Carolina	93	2.06	1.61	1.01	6	0.13	0.10	0.07	13	0.29	2.25	0.01
North Dakota	15	0.35	2.08	1.19	4	0.09	0.55	0.32	2	0.05	2.77	0.02
Ohio	126	1.97	1.20	0.91	8	0.12	0.08	0.06	33	0.51	3.15	0.02
Oklahoma	76	1.77	2.55	1.63	10	0.23	0.34	0.21	45	1.05	15.08	0.10
Oregon	21	0.91	0.68	0.46	.	.	.	.	11	0.48	3.57	0.02
Pennsylvania	57	1.04	0.62	0.35	5	0.09	0.05	0.03	16	0.29	1.74	0.01
Rhode Island	.	.	.	.	.	.	.	.	.	.	.	.
South Carolina	65	2.18	2.12	1.15	7	0.23	0.23	0.12	21	0.70	6.83	0.04
South Dakota	7	0.33	0.87	0.55	.	.	.	.	3	0.14	3.71	0.02
Tennessee	80	2.50	1.78	1.20	7	0.22	0.16	0.10	22	0.69	4.90	0.03
Texas	316	2.62	2.22	1.08	38	0.31	0.27	0.13	134	1.11	9.41	0.05
Utah	15	1.54	0.94	0.81	2	0.21	0.12	0.11	6	0.62	3.75	0.03
Vermont	2	0.40	0.37	0.28	.	.	.	.	.	.	.	.
Virginia	32	1.56	0.54	0.54	1	0.05	0.02	0.02	13	0.63	2.19	0.02
Washington	23	0.83	0.46	0.44	.	.	.	.	7	0.25	1.41	0.01
West Virginia	14	0.87	1.00	0.77	1	0.06	0.07	0.06	5	0.31	3.58	0.03
Wisconsin	108	2.50	2.42	1.14	13	0.30	0.29	0.14	45	1.04	10.09	0.05
Wyoming
Total...	2,895	1.86	1.32	0.88	306	0.20	0.14	0.09	1,029	0.66	4.68	0.03

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TABLE 8-2 RATES FOR MOTOR VEHICLE INCIDENTS AT PUBLIC CROSSINGS, BY WARNING DEVICE, 2000

Type Warning	Accidents			Deaths			Nonfatal			Number of Crossings
	Cnt	Per 100 Xings	Per 100K ADT	Cnt	Per 100 Xings	Per 100K ADT	Cnt	Per 100 Xings	Per 100K ADT	
Unknown	15	0.29	0.20	.	.	.	2	0.04	0.03	5,253
Other	1	0.21	0.18	.	.	.	.	.	.	483
Cross bucks	1,038	1.45	2.02	133	0.19	0.26	405	0.57	0.79	71,468
Stop signs	315	2.71	4.53	40	0.34	0.57	143	1.23	2.06	11,630
Special warning	32	0.86	0.24	.	.	.	9	0.24	0.07	3,723
HWTS, WW, bells	28	1.98	0.48	1	0.07	0.02	11	0.78	0.19	1,417
Flashing lights	662	2.44	0.65	63	0.23	0.06	243	0.90	0.24	27,100
Gates	804	2.34	0.57	69	0.20	0.05	216	0.63	0.15	34,296
Total	2,895	1.86	0.88	306	0.20	0.09	1,029	0.66	0.31	155,370

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TABLES 8-3 MOTOR VEHICLE INCIDENTS AT PUBLIC CROSSINGS BY RAILROAD AND TYPE WARNING, 2000

Railroads	Types of Warning								Type Incident	
	Gates	Flashing Lights	HWTS,WW,Bells	Watchman	Stop Signs	Cross Bucks	Other	None	Rail Equip Struck Highway User	Highway User Struck Rail Equip
Alaska RR Corp.	-	1	-	1	2	3	-	-	5	2
Amtrak	84	21	1	-	9	29	-	-	133	11
Bangor & Aroostook	-	1	-	-	-	-	-	-	-	1
Burlington Northern Santa Fe	114	92	1	-	32	170	-	-	321	88
Conrail Shared Assets	3	10	-	1	1	4	-	1	15	5
CSX Transportation	133	107	4	4	50	115	1	-	333	81
Delaware & Hudson	3	-	-	-	-	3	-	-	5	1
Dakota,Minnesota & Eastern	1	4	-	-	-	4	-	-	6	3
Duluth,Missabe & Iron Range	-	1	-	-	-	-	-	-	-	1
Duluth,Winnipeg & Pacific	-	1	-	-	-	1	-	-	2	-
Elgin, Joliet & Eastern	1	1	-	-	-	1	-	-	1	2
Florida East Coast	12	-	-	-	-	-	-	-	9	3
Guilford Rail System	2	1	-	-	1	-	-	-	4	-
Grand Trunk Western RR	9	7	-	-	7	1	-	-	19	5
Gateway Western	2	1	1	-	-	1	-	-	5	-
Illinois Central	16	22	-	3	10	50	-	-	80	21
Indiana Harbor Belt	3	1	-	-	-	1	-	-	3	2
I & M Rail Link, LLC	-	9	1	-	6	20	-	2	28	10
Kansas City Southern	8	38	-	-	7	74	-	-	92	35
Long Island Rail Road	5	-	-	-	-	-	-	-	5	-
MD Assn. of Rail Comm	1	-	-	-	-	-	-	-	1	-
Mass Bay Transit Auth.	3	1	-	-	-	-	-	-	3	1
Metro North Commuter	1	-	-	-	-	-	-	-	1	-
Montana Rail Link	-	1	-	-	4	3	-	-	7	1
Northern IN Comm Trans	1	3	-	-	1	-	-	-	4	1
Northeast IL Reg Comm	18	-	-	-	-	-	-	-	15	3
New Jersey Transit Rail	3	-	-	-	-	-	-	-	3	-
Norfolk Southern Corp.	155	111	8	5	52	163	-	9	414	89
Paducah & Louisville	-	4	-	-	-	5	-	-	6	3
Peninsula Comm San Mateo Cnty	3	-	-	-	-	-	-	-	3	-
Port Terminal RR Assn	2	1	-	-	-	-	-	-	2	1
Southern CA Reg Rail Auth.	7	-	-	-	-	-	-	-	6	1
Southeastern PA Trans.	3	1	-	-	-	-	-	-	3	1
Soo Line	3	4	-	-	7	11	-	-	21	4
Texas Mexican	1	2	-	-	-	10	-	-	10	3
Term RR Assn Of St. Louis	-	1	-	-	-	-	-	-	1	-
Union Pacific	167	129	5	3	84	191	-	1	444	136
Wisconsin Central Ltd.	6	24	-	2	20	38	-	-	48	42
Wheeling & Lake Erie	1	5	-	-	-	2	-	-	5	3
Other railroads	33	57	7	13	22	138	-	2	164	108
Total	804	662	28	32	315	1,038	1	15	2,227	668

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TABLE 8-4 MOTOR INCIDENTS AT PUBLIC CROSSINGS BY STATE AND TYPE WARNING, 2000

States	Type of Warning								
	Gates	Flashing lights	HWTS,WW,Bells	Watchman	Stop signs	Crossbucks	Other	None	
Alabama	14	7		2	-	29	31	-	-
Alaska	-	1		-	1	2	3	-	-
Arizona	15	8		-	-	-	2	-	-
Arkansas	10	28		5	-	15	39	-	-
California	91	13		-	1	5	12	-	-
Colorado	2	6		-	-	6	16	-	-
Connecticut	2	1		-	-	-	-	-	-
Delaware	-	10		-	-	-	-	-	-
Florida	46	12		-	1	2	8	-	-
Georgia	39	6		1	5	22	40	-	1
Idaho	1	2		1	1	15	4	-	-
Illinois	76	47		1	-	2	52	-	1
Indiana	38	57		1	1	30	55	-	-
Iowa	16	23		1	1	6	48	-	2
Kansas	12	3		-	-	2	40	-	-
Kentucky	10	23		2	1	2	18	-	1
Louisiana	23	51		1	3	18	62	-	-
Maine	1	3		-	-	1	-	-	-
Maryland	5	5		-	-	-	-	-	-
Massachusetts	5	3		-	-	-	1	-	-
Michigan	26	44		1	-	22	31	-	1
Minnesota	7	20		-	-	23	33	-	-
Mississippi	8	26		1	2	13	55	-	-
Missouri	9	21		2	-	-	31	-	-
Montana	-	1		-	-	3	9	-	-
Nebraska	16	4		-	1	5	16	-	-
Nevada	-	-		-	-	-	1	-	-
New Hampshire	-	2		-	-	-	-	-	1
New Jersey	12	11		-	1	1	5	-	1
New Mexico	4	1		1	-	-	7	-	-
New York	22	4		-	-	-	2	-	-
North Carolina	43	10		-	1	-	39	-	-
North Dakota	4	-		-	-	1	10	-	-
Ohio	49	24		2	1	2	47	-	1
Oklahoma	7	14		1	-	6	48	-	-
Oregon	8	-		-	1	8	4	-	-
Pennsylvania	19	9		1	-	2	22	-	4
South Carolina	17	15		1	1	7	24	-	-
South Dakota	-	4		-	-	-	3	-	-
Tennessee	22	22		-	1	4	30	-	1
Texas	89	70		1	6	30	120	-	-
Utah	3	4		-	-	2	6	-	-
Vermont	1	1		-	-	-	-	-	-
Virginia	12	14		1	-	-	5	-	-
Washington	10	3		-	-	3	7	-	-
West Virginia	3	1		-	-	2	6	1	1
Wisconsin	7	28		1	2	24	46	-	-
Total	804	662		28	32	315	1,038	1	15

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TABLE 8-5 MOTOR VEHICLE INCIDENTS AT PUBLIC CROSSINGS, BY TYPE CONSIST AND CONSIST SPEED, 2000

Rail Equip Struck Highway User

Consist Speed	Total	Freight Train	Psgr Comm Trn	Work Train	Car(s)	Yard Switch	Light Loco(s)	Whistle Ban?		
								Unk	Yes	No
Unknown	1	1	-	-	-	-	-	1	-	-
1-9	331	171	7	-	15	87	51	26	18	287
10-19	273	201	18	-	5	21	28	11	15	247
21-29	352	306	16	1	5	6	18	13	25	314
30-39	408	364	19	2	1	3	19	23	17	368
40-49	496	463	21	2	-	1	9	17	7	472
50-59	215	182	26	2	-	1	4	6	10	199
>= 60	151	56	94	-	-	-	1	7	7	137
Total	2,227	1,744	201	7	26	119	130	104	99	2,024

Highway User Struck Rail Equip

Consist Speed	Total	Freight Train	Psgr Comm Trn	Work Train	Car(s)	Yard Switch	Light Loco(s)	Whistle Ban?		
								Unk	Yes	No
Unknown	59	40	-	-	6	11	2	4	1	54
1-9	188	97	3	3	16	51	18	14	8	166
10-19	116	95	1	1	5	5	9	4	1	111
21-29	89	79	-	-	-	3	7	8	3	78
30-39	78	72	1	1	-	2	2	2	4	72
40-49	78	73	4	-	1	-	-	3	2	73
50-59	31	30	1	-	-	-	-	1	1	29
>= 60	29	18	11	-	-	-	-	-	1	28
Total	668	504	21	5	28	72	38	36	21	611

Grand Total

Consist Speed	Total	Freight Train	Psgr Comm Trn	Work Train	Car(s)	Yard Switch	Light Loco(s)	Whistle Ban?		
								Unk	Yes	No
Unknown	60	41	-	-	6	11	2	5	1	54
1-9	519	268	10	3	31	138	69	40	26	453
10-19	389	296	19	1	10	26	37	15	16	358
21-29	441	385	16	1	5	9	25	21	28	392
30-39	486	436	20	3	1	5	21	25	21	440
40-49	574	536	25	2	1	1	9	20	9	545
50-59	246	212	27	2	-	1	4	7	11	228
>= 60	180	74	105	-	-	-	1	7	8	165
Total	2,895	2,248	222	12	54	191	168	140	120	2,635

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TABLE 8-6 MOTOR VEHICLE INCIDENTS AT PUBLIC CROSSINGS, BY TYPE WARNING, MOTORIST ACTION, AND WARNING LOCATION, 2000

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
Gates	663	22.9	207	15	46	256	139	1	625	35	2
Flashing lights	458	15.8	-	44	267	135	12	-	441	15	2
HWTS, WW, Bells	21	0.7	-	1	13	7	-	-	17	4	-
Watchman	17	0.6	-	4	8	4	1	-	15	1	1
Stop signs	272	9.4	-	40	148	78	6	1	256	14	1
Cross bucks	783	27.0	-	55	509	194	25	1	763	17	2
Other	1	0.0	-	-	1	-	-	-	1	-	-
None	12	0.4	-	-	7	5	-	11	1	-	-
Total	2,227	76.9	207	159	999	679	183	14	2,119	86	8

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
Gates	141	4.9	87	7	36	1	10	1	131	9	-
Flashing lights	204	7.0	-	11	185	-	8	-	190	12	2
HWTS, WW, Bells	7	0.2	-	-	7	-	-	-	6	1	-
Watchman	15	0.5	-	2	13	-	-	-	8	7	-
Stop signs	43	1.5	-	4	38	-	1	-	43	-	-
Cross bucks	255	8.8	-	8	244	1	2	-	239	14	2
None	3	0.1	-	-	2	1	-	3	-	-	-
Total	668	23.1	87	32	525	3	21	4	617	43	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
Gates	804	27.8	294	22	82	257	149	2	756	44	2
Flashing lights	662	22.9	-	55	452	135	20	-	631	27	4
HWTS, WW, Bells	28	1.0	-	1	20	7	-	-	23	5	-
Watchman	32	1.1	-	6	21	4	1	-	23	8	1
Stop signs	315	10.9	-	44	186	78	7	1	299	14	1
Cross bucks	1,038	35.9	-	63	753	195	27	1	1,002	31	4
Other	1	0.0	-	-	1	-	-	-	1	-	-
None	15	0.5	-	-	9	6	-	14	1	-	-
Total	2,895	100.0	294	191	1,524	682	204	18	2,736	129	12

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TABLE 8-7 MOTOR VEHICLE INCIDENTS AT PUBLIC CROSSINGS, BY TYPE VEHICLE, VEHICLE SPEED, AND DRIVER GENDER, 2000

Rail Equip Struck Highway User

Vehicle Speed	Total	Car	Trucks	Trk& Trail	Van	Buses	Oth Mtr V.	Driver Gender		
								?	M	F
Unknown	148	91	25	20	9	1	2	4	96	48
Stopped	742	436	172	81	34	2	17	41	497	204
1-9	561	241	164	108	23	3	22	13	429	119
10-19	411	210	117	62	16	2	4	21	305	85
21-29	195	98	65	18	12	-	2	7	136	52
30-39	98	49	30	10	9	-	-	-	73	25
40-49	42	23	13	1	5	-	-	-	34	8
50-59	23	11	8	2	1	-	1	3	16	4
>= 60	7	3	3	1	-	-	-	-	5	2
Total	2,227	1,162	597	303	109	8	48	89	1,591	547

Highway User Struck Rail Equip

Vehicle Speed	Total	Car	Trucks	Trk& Trail	Van	Buses	Oth Mtr V.	Driver Gender		
								?	M	F
Unknown	25	11	11	-	2	1	2	18	5	
1-9	162	96	49	7	9	1	5	116	41	
10-19	169	97	56	4	10	2	7	119	43	
21-29	110	67	26	5	9	3	3	72	35	
30-39	87	48	33	4	1	1	1	61	25	
40-49	67	36	23	4	3	1	-	52	15	
50-59	38	14	15	6	1	2	1	32	5	
>= 60	10	4	2	2	1	1	-	10	-	
Total	668	373	215	32	36	12	19	480	169	

Grand Total

Vehicle Speed	Total	Car	Trucks	Trk& Trail	Van	Buses	Oth Mtr V.	Driver Gender		
								?	M	F
Unknown	173	102	36	20	11	1	3	6	114	53
Stopped	742	436	172	81	34	2	17	41	497	204
1-9	723	337	213	115	32	3	23	18	545	160
10-19	580	307	173	66	26	2	6	28	424	128
21-29	305	165	91	23	21	-	5	10	208	87
30-39	185	97	63	14	10	-	1	1	134	50
40-49	109	59	36	5	8	-	1	-	86	23
50-59	61	25	23	8	2	-	3	4	48	9
>= 60	17	7	5	3	1	-	1	-	15	2
Total	2,895	1,535	812	335	145	8	60	108	2,071	716

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TABLE 8-8 MOTOR VEHICLE INCIDENTS AT PUBLIC CROSSINGS BY VEHICLE SPEED, WEATHER, AND CONDITION OF DRIVER, 2000

Rail Equip Struck Highway User

Vehicle Speed	Total	Clear	Cloudy	Rain	Fog	Sleet	Snow	?	KId	Driver	
										Nonfatal	Unhurt
Unknown	148	79	50	12	2	-	5	-	6	10	132
Stopped	742	485	175	37	20	2	23	1	21	86	634
1-9	561	395	122	26	6	-	12	-	67	138	356
10-19	411	285	88	20	4	-	14	-	46	141	224
21-29	195	146	31	7	1	1	9	1	26	62	106
30-39	98	77	15	4	-	-	2	-	15	38	45
40-49	42	33	7	1	-	-	1	-	7	15	20
50-59	23	11	10	2	-	-	-	-	5	7	11
>= 60	7	3	4	-	-	-	-	-	2	3	2
Total	2,227	1,514	502	109	33	3	66	2	195	500	1,530

Highway User Struck Rail Equip

Vehicle Speed	Total	Clear	Cloudy	Rain	Fog	Sleet	Snow	?	KId	Driver	
										Nonfatal	Unhurt
Unknown	25	13	6	3	1	-	2	-	2	5	18
1-9	162	104	35	11	3	-	9	-	4	25	133
10-19	169	112	30	13	3	-	11	1	3	37	128
21-29	110	73	22	10	1	-	4	-	5	35	70
30-39	87	64	12	7	3	-	1	-	2	31	54
40-49	67	40	19	4	3	-	1	-	3	25	39
50-59	38	22	10	1	4	1	-	-	8	16	14
>= 60	10	10	-	-	-	-	-	-	4	3	3
Total	668	438	134	49	18	1	28	1	31	177	459

Grand Total

Vehicle Speed	Total	Clear	Cloudy	Rain	Fog	Sleet	Snow	?	KId	Driver	
										Nonfatal	Unhurt
Unknown	173	92	56	15	3	-	7	-	8	15	150
Stopped	742	485	175	37	20	2	23	1	21	86	634
1-9	723	499	157	37	9	-	21	-	71	163	489
10-19	580	397	118	33	7	-	25	1	49	178	352
21-29	305	219	53	17	2	1	13	1	31	97	176
30-39	185	141	27	11	3	-	3	-	17	69	99
40-49	109	73	26	5	3	-	2	-	10	40	59
50-59	61	33	20	3	4	1	-	-	13	23	25
>= 60	17	13	4	-	-	-	-	-	6	6	5
Total	2,895	1,952	636	158	51	4	94	3	226	677	1,989

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TABLE 8-9 MOTOR VEHICLE INCIDENTS AT PUBLIC CROSSINGS BY DRIVER AGE, GENDER, AND TYPE VEHICLE, 2000

Age	Total		Type Vehicle									Driver Gender			
	Cnt	%	Car	Truck	Trk& Trail	Pickup Trk	Van	Bus	School Bus	Motorcycle	Oth Mtr V.	?	M	F	
Unknown	387	13.4	234	24	43	63	15	1	-	-	2	5	104	211	72
6-10	1	0.0	-	-	-	-	-	-	-	-	-	1	-	1	-
11-15	5	0.2	2	-	-	2	-	-	-	-	1	-	-	5	-
16-20	313	10.8	224	23	4	52	7	-	-	-	1	2	-	208	105
21-25	433	15.0	247	57	44	58	20	1	-	-	6	1	345	87	-
26-30	267	9.2	136	28	26	51	18	-	1	-	3	4	1	202	64
31-35	286	9.9	129	38	40	48	23	-	1	-	-	7	2	201	83
36-40	277	9.6	129	39	41	43	17	1	-	-	-	7	-	202	75
41-45	182	6.3	66	29	38	35	11	-	-	-	-	3	-	139	43
46-50	167	5.8	67	24	35	24	11	1	1	-	-	4	-	123	44
51-55	169	5.8	72	22	26	34	11	-	-	-	1	3	-	131	38
56-60	110	3.8	45	19	15	21	3	-	1	-	3	3	-	86	24
61-65	69	2.4	35	7	10	15	2	-	-	-	-	-	-	55	14
66-70	61	2.1	27	9	11	11	3	-	-	-	-	-	-	50	11
Other	168	5.8	122	9	2	27	4	-	-	-	1	3	-	112	56
Total	2,895	100.0	1,535	328	335	484	145	4	4	12	48	108	2,071	716	

TABLE 8-10 MOTOR VEHICLES THAT STRUCK CONSIST AT PUBLIC CROSSINGS BY CONSIST LENGTH, PORTION OF TRAIN STRUCK, AND WARNING TYPE, 2000

Consist Length	Total	Position of Consist Struck				Type of Warning								
		1st Car/ Loco	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Gates	Flashing Lights	HWTS, WW, Bells	Watchman	Stop Signs	Cross Bucks	None	
1	48	48	-	-	-	-	10	23	-	2	2	-	11	-
2-5	70	59	-	6	4	1	8	16	-	5	6	34	1	
6-10	66	48	2	7	5	4	16	16	1	3	2	28	-	
11-15	37	25	4	5	2	1	7	12	-	1	2	15	-	
16-20	35	23	7	2	1	2	5	14	2	1	2	11	-	
21-25	29	20	3	3	1	2	6	11	-	-	1	11	-	
26-30	24	8	6	-	2	8	5	4	1	-	2	12	-	
31-35	26	17	3	1	2	3	3	8	-	2	1	12	-	
36-40	12	6	5	1	-	-	2	3	-	-	1	6	-	
41-45	21	10	6	1	1	3	7	8	-	-	1	5	-	
46-50	15	8	4	1	2	-	5	1	-	-	2	7	-	
51-60	44	18	13	7	1	5	12	12	-	-	1	19	-	
61-70	37	21	6	5	2	3	9	9	-	-	3	15	1	
71-80	42	21	14	3	3	1	7	20	1	-	3	11	-	
81-90	37	19	7	-	5	6	6	10	-	-	6	15	-	
91-100	26	10	4	5	1	6	5	8	-	-	2	11	-	
> 100	99	35	27	13	9	15	28	29	-	1	8	32	1	
Total	668	396	111	60	41	60	141	204	7	15	43	255	3	

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TABLE 8-11 MOTOR VEHICLE INCIDENTS AT PUBLIC CROSSINGS BY CONSIST LENGTH, TYPE CONSIST, AND DRIVER GENDER, 2000

Rail Equip Struck Highway User

Consist Length								Driver Gender		
	Total	Freight Train	Psg Comm Trn	Work Train	Car(s)	Yard Switch	Light Loco(s)	?	M	F
1	96	-	1	-	24	-	71	-	73	23
2-5	203	73	40	2	1	32	55	5	139	59
6-10	239	118	80	-	-	37	4	9	162	68
11-15	126	73	39	-	-	14	-	4	92	30
16-20	96	68	16	-	1	11	-	9	56	31
21-25	103	80	16	-	-	7	-	2	72	29
26-30	73	61	5	2	-	5	-	-	52	21
31-35	64	56	2	-	-	6	-	4	47	13
36-40	82	82	-	-	-	-	-	3	59	20
41-45	68	66	1	1	-	-	-	1	44	23
46-50	69	68	-	-	-	1	-	4	51	14
51-60	138	133	1	2	-	2	-	13	98	27
61-70	125	123	-	-	-	2	-	3	91	31
71-80	166	164	-	-	-	2	-	12	121	33
81-90	103	103	-	-	-	-	-	7	78	18
91-100	131	131	-	-	-	-	-	2	99	30
> 100	345	345	-	-	-	-	-	11	257	77
Total	2,227	1,744	201	7	26	119	130	89	1,591	547

Highway User Struck Rail Equip

Consist Length								Driver Gender		
	Total	Freight Train	Psg Comm Trn	Work Train	Car(s)	Yard Switch	Light Loco(s)	?	M	F
1	48	-	-	-	25	-	23	1	34	13
2-5	70	30	5	2	1	18	14	1	42	27
6-10	66	38	9	1	-	17	1	1	42	23
11-15	37	21	4	2	1	9	-	3	24	10
16-20	35	28	1	-	-	6	-	-	26	9
21-25	29	23	1	-	-	5	-	1	20	8
26-30	24	18	1	-	-	5	-	1	20	3
31-35	26	22	-	-	-	4	-	-	17	9
36-40	12	10	-	-	-	2	-	2	10	-
41-45	21	17	-	-	1	3	-	2	15	4
46-50	15	15	-	-	-	-	-	-	14	1
51-60	44	43	-	-	-	1	-	2	30	12
61-70	37	37	-	-	-	-	-	1	29	7
71-80	42	41	-	-	-	1	-	1	33	8
81-90	37	37	-	-	-	-	-	-	27	10
91-100	26	26	-	-	-	-	-	-	22	4
> 100	99	98	-	-	-	1	-	3	75	21
Total	668	504	21	5	28	72	38	19	480	169

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TABLE 8-12 MOTOR VEHICLE INCIDENTS AT PUBLIC CROSSINGS, BY TYPE CONSIST, NUMBER OF PEOPLE ON TRAIN, AND TYPE PERSON HURT, 2000

Consist	People on Train		Total		Hwy User		RR Employees		Others	
	Total	Avg	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal
Freight train	5,080	2	252	791	250	738	2	53	0	0
Psgr train	23,002	126	33	64	33	51	0	9	0	4
Commuter train	8,080	202	4	14	4	11	0	3	0	0
Work train	24	2	2	2	2	2	0	0	0	0
Single car	1	1	-	-	0	0	0	0	0	0
Cut of cars	4	1	-	1	0	1	0	0	0	0
Yard/ switch	523	3	8	71	8	69	0	2	0	0
Light loco(s)	410	2	6	53	6	52	0	1	0	0
Maint insp Car	59	1	1	33	1	28	0	5	0	0
Total	37,183	13	306	1,029	304	952	2	73	0	4

TABLE 8-13 MOTOR VEHICLE INCIDENTS AT PUBLIC CROSSINGS BY TYPE VEHICLE, NUMBER OF OCCUPANTS, AND VEHICLE DAMAGE, 2000

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	1,775	1	5,072,182	3,304	148	522	147	511	1	8	0	3
Truck	351	1	1,707,052	5,204	34	97	34	91	0	6	0	0
Trk & trail	343	1	4,960,150	14,806	16	118	15	68	1	49	0	1
Pickup trk	608	1	2,497,095	5,159	68	181	68	176	0	5	0	0
Van	214	1	616,625	4,253	32	50	32	50	0	0	0	0
Bus	5	1	31,100	7,775	-	3	0	3	0	0	0	0
School bus	36	9	4,000	1,000	3	32	3	30	0	2	0	0
Motorcycle	11	1	69,300	5,775	1	9	1	9	0	0	0	0
Oth mtr veh.	57	1	521,800	10,871	4	17	4	14	0	3	0	0
Total	3,400	1	15,479,304	5,347	306	1,029	304	952	2	73	0	4

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TABLE 8-14 MOTOR VEHICLE INCIDENTS AT PUBLIC CROSSINGS BY TYPE WARNING, POSITION ON CROSSING, AND IF HAZARDOUS MATERIAL WAS RELEASED, 2000

Rail Equip Struck Highway User

Type Warning	Total		Position on Crossing				Hazmat Released By		
	Cnt	%	Stalled	Stopped	Moving	Trapped	Hwy User	Rail User	Neither
Gates	663	22.9	108	189	257	109	5	126	532
Flashing lights	458	15.8	37	100	312	9	1	105	352
HWTS, WW, bells	21	0.7	1	6	14	-	-	1	20
Watchman	17	0.6	-	6	11	-	-	3	14
Stop signs	272	9.4	16	66	187	3	1	45	226
Cross bucks	783	27.0	33	175	569	6	6	170	607
Other	1	0.0	-	-	1	-	-	1	-
None	12	0.4	2	3	7	-	-	2	10
Total	2,227	76.9	197	545	1,358	127	13	453	1,761

Highway User Struck Rail Equip

Type Warning	Total		Position on Crossing		Hazmat Released By		
	Cnt	%	Moving	Trapped	Hwy User	Rail User	Neither
Gates	141	4.9	140	1	-	22	119
Flashing lights	204	7.0	204	-	1	36	167
HWTS, WW, bells	7	0.2	7	-	-	-	7
Watchman	15	0.5	15	-	-	-	15
Stop signs	43	1.5	43	-	2	8	33
Cross bucks	255	8.8	255	-	-	44	211
None	3	0.1	2	1	-	-	3
Total	668	23.1	666	2	3	110	555

Grand Total

Type Warning	Total		Position on Crossing				Hazmat Released By		
	Cnt	%	Stalled	Stopped	Moving	Trapped	Hwy User	Rail User	Neither
Gates	804	27.8	108	189	397	110	5	148	651
Flashing lights	662	22.9	37	100	516	9	2	141	519
HWTS, WW, bells	28	1.0	1	6	21	-	-	1	27
Watchman	32	1.1	-	6	26	-	-	3	29
Stop signs	315	10.9	16	66	230	3	3	53	259
Cross bucks	1,038	35.9	33	175	824	6	6	214	818
Other	1	0.0	-	-	1	-	-	1	-
None	15	0.5	2	3	9	1	-	2	13
Total	2,895	100.0	197	545	2,024	129	16	563	2,316

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TABLE 8-15 MOTOR VEHICLE HIGHWAY-RAIL INCIDENTS AT PUBLIC CROSSINGS, BY TYPE VEHICLE AND WARNING, 2000

Rail Equip Struck Highway User

Type Vehicle	Total		Gates	Flashing Lights	HWTS, WW, Bells	Watchman	Stop Signs	Cross Bucks	Other	None
	Cnt	%								
Car	1,162	40.1	408	245	12	10	116	366	1	4
Truck	253	8.7	53	47	5	4	34	107	-	3
Trk & trail	303	10.5	85	61	2	2	50	100	-	3
Pickup trk	344	11.9	65	72	2	1	48	155	-	1
Van	109	3.8	39	18	-	-	15	37	-	-
Bus	4	0.1	3	1	-	-	-	-	-	-
School bus	4	0.1	-	1	-	-	1	2	-	-
Motorcycle	7	0.2	4	2	-	-	-	1	-	-
Oth mtr veh.	41	1.4	6	11	-	-	8	15	-	1
Total	2,227	76.9	663	458	21	17	272	783	1	12

Highway User Struck Rail Equip

Type Vehicle	Total		Gates	Flashing Lights	HWTS, WW, Bells	Watchman	Stop Signs	Cross Bucks	None
	Cnt	%							
Car	373	12.9	92	108	1	11	22	138	1
Truck	75	2.6	13	25	2	2	3	29	1
Trk & trail	32	1.1	7	12	1	1	1	10	-
Pickup trk	140	4.8	20	44	2	-	12	61	1
Van	36	1.2	8	9	1	1	4	13	-
Motorcycle	5	0.2	1	3	-	-	1	-	-
Oth mtr veh.	7	0.2	-	3	-	-	-	4	-
Total	668	23.1	141	204	7	15	43	255	3

Grand Total

Type Vehicle	Total		Gates	Flashing Lights	HWTS, WW, Bells	Watchman	Stop Signs	Cross Bucks	Other	None
	Cnt	%								
Car	1,535	53.0	500	353	13	21	138	504	1	5
Truck	328	11.3	66	72	7	6	37	136	-	4
Trk & trail	335	11.6	92	73	3	3	51	110	-	3
Pickup trk	484	16.7	85	116	4	1	60	216	-	2
Van	145	5.0	47	27	1	1	19	50	-	-
Bus	4	0.1	3	1	-	-	-	-	-	-
School bus	4	0.1	-	1	-	-	1	2	-	-
Motorcycle	12	0.4	5	5	-	-	1	1	-	-
Oth mtr veh.	48	1.7	6	14	-	-	8	19	-	1
Total	2,895	100.0	804	662	28	32	315	1,038	1	15

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TABLE 8-16 MOTOR VEHICLE HIGHWAY-RAIL INCIDENTS AT PUBLIC CROSSING BY WARNING STATUS FOR ACCIDENTS OCCURRING AT CROSSINGS WITH TRAIN ACTIVATED DEVICES, BY TYPE VEHICLE, 2000

Rail Equip Struck Highway User

Type Vehicle	Status of Warning System							
	Total	Unknown	Provided Minimum 20 Secs.	Alleged > 60 Secs.	Alleged < 20 Secs.	Alleged No Warning	Confirm > 60 Secs.	Confirm No Warning
Car	665	4	626	21	4	-	1	9
Truck	105	4	97	2	-	1	-	1
Trk & trail	148	1	138	7	1	-	1	-
Pickup trk	139	-	135	1	-	2	-	1
Van	57	1	56	-	-	-	-	-
Bus	4	-	3	-	-	-	-	1
School bus	1	-	1	-	-	-	-	-
Motorcycle	6	-	6	-	-	-	-	-
Oth mtr veh.	17	-	15	1	1	-	-	-
Total	1,142	10	1,077	32	6	3	2	12

Highway User Struck Rail Equip

Type Vehicle	Status of Warning System					
	Total	Unknown	Provided Minimum 20 Secs.	Alleged > 60 Secs.	Alleged < 20 Secs.	Confirm No Warning
Car	201	3	185	8	1	4
Truck	40	1	37	-	-	2
Trk & trail	20	-	18	1	-	1
Pickup trk	66	1	61	2	-	2
Van	18	2	14	1	-	1
Motorcycle	4	-	4	-	-	-
Oth mtr veh.	3	-	3	-	-	-
Total	352	7	322	12	1	10

Grand Total

Type Vehicle	Status of Warning System							
	Total	Unknown	Provided Minimum 20 Secs.	Alleged > 60 Secs.	Alleged < 20 Secs.	Alleged No Warning	Confirm > 60 Secs.	Confirm No Warning
Car	866	7	811	29	5	-	1	13
Truck	145	5	134	2	-	1	-	3
Trk & trail	168	1	156	8	1	-	1	1
Pickup trk	205	1	196	3	-	2	-	3
Van	75	3	70	1	-	-	-	1
Bus	4	-	3	-	-	-	-	1
School bus	1	-	1	-	-	-	-	-
Motorcycle	10	-	10	-	-	-	-	-
Oth mtr veh.	20	-	18	1	1	-	-	-
Total	1,494	17	1,399	44	7	3	2	22

CHAPTER 9

HIGHWAY-RAIL CROSSING INVENTORY

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

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

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

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

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

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

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HIGHWAY-RAIL CROSSING INVENTORY

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TABLE 9-1 AT-GRADE HIGHWAY-RAIL CROSSINGS, BY RAILROAD, 2000

Railroads	Total		Pedestrian		Private Vehicle		Public Vehicle	
	Cnt	%	Cnt	%	Cnt	%	Cnt	%
Alton & Southern	36	0.0	-	-	21	0.0	15	0.0
Alaska RR Corp.	332	0.1	8	0.0	104	0.0	220	0.1
Amtrak	315	0.1	13	0.0	67	0.0	235	0.1
Bangor & Aroostook	504	0.2	5	0.0	341	0.1	158	0.1
Bessemer & Lake Erie RR	238	0.1	2	0.0	96	0.0	140	0.1
Burlington Northern Santa Fe	35,229	13.7	255	0.1	13,562	5.3	21,412	8.4
Belt Rwy Of Chicago	114	0.0	-	-	76	0.0	38	0.0
Consolidated Rail Corp.	7,042	2.7	81	0.0	2,633	1.0	4,328	1.7
Conrail Shared Assets	2	0.0	-	-	-	-	2	0.0
CSX Transportation	29,821	11.6	311	0.1	10,076	3.9	19,434	7.6
Delaware & Hudson	531	0.2	5	0.0	446	0.2	80	0.0
Dakota,Minnesota & Eastern	1,368	0.5	2	0.0	554	0.2	812	0.3
Duluth,Missabe & Iron Range	270	0.1	1	0.0	129	0.1	140	0.1
Duluth,Winnipeg & Pacific	101	0.0	-	-	20	0.0	81	0.0
Elgin, Joliet & Eastern	291	0.1	8	0.0	96	0.0	187	0.1
Florida East Coast	852	0.3	12	0.0	110	0.0	730	0.3
Guilford Rail System	1,762	0.7	13	0.0	610	0.2	1,139	0.4
Grand Trunk Western RR	1,225	0.5	9	0.0	381	0.1	835	0.3
Gateway Western	572	0.2	4	0.0	246	0.1	322	0.1
Illinois Central	5,751	2.2	65	0.0	2,195	0.9	3,491	1.4
Indiana Harbor Belt	133	0.1	2	0.0	45	0.0	86	0.0
I & M Rail Link, LLC	930	0.4	5	0.0	437	0.2	488	0.2
Kansas City Southern	4,295	1.7	11	0.0	1,652	0.6	2,632	1.0
Long Island Rail Road	395	0.2	9	0.0	82	0.0	304	0.1
Metro North Commuter	123	0.0	-	-	61	0.0	62	0.0
Montana Rail Link	1,160	0.5	3	0.0	707	0.3	450	0.2
Northern IN Comm Trans	155	0.1	7	0.0	25	0.0	123	0.0
Northeast IL Reg Comm	227	0.1	22	0.0	36	0.0	169	0.1
New Jersey Transit Rail	458	0.2	26	0.0	89	0.0	343	0.1
Norfolk Southern Corp.	33,540	13.1	133	0.1	12,846	5.0	20,561	8.0
Paducah & Louisville	447	0.2	3	0.0	186	0.1	258	0.1
Port Auth Trans Hudson	2	0.0	-	-	2	0.0	-	-
Port Terminal RR Assn	163	0.1	1	0.0	97	0.0	65	0.0
Southern CA Reg Rail Auth.	393	0.2	17	0.0	46	0.0	330	0.1
Southeastern PA Trans.	324	0.1	10	0.0	53	0.0	261	0.1
Soo Line	2,650	1.0	15	0.0	1,348	0.5	1,287	0.5
Texas Mexican	425	0.2	-	-	195	0.1	230	0.1
Term RR Assn Of St. Louis	128	0.0	-	-	11	0.0	117	0.0
Union Pacific	50,844	19.8	323	0.1	19,986	7.8	30,535	11.9
Union RR (Pittsburgh)	59	0.0	6	0.0	39	0.0	14	0.0
Wisconsin Central Ltd.	4,123	1.6	50	0.0	1,536	0.6	2,537	1.0
Wheeling & Lake Erie	959	0.4	9	0.0	389	0.2	561	0.2
Other railroads	67,952	26.5	507	0.2	27,287	10.6	40,158	15.7
Total	256,241	100.0	1,953	0.8	98,918	38.6	155,370	60.6

TABLE 9-2 AT-GRADE HIGHWAY-RAIL CROSSINGS, BY STATE, 2000

States	Total		Pedestrian		Private Vehicle		Public Vehicle	
	Cnt	%	Cnt	%	Cnt	%	Cnt	%
Alabama	5,418	2.1	20	0.0	1,917	0.7	3,481	1.4
Alaska	336	0.1	8	0.0	104	0.0	224	0.1
Arizona	1,628	0.6	7	0.0	686	0.3	935	0.4
Arkansas	4,655	1.8	9	0.0	1,512	0.6	3,134	1.2
California	12,775	5.0	158	0.1	4,773	1.9	7,844	3.1
Colorado	3,271	1.3	21	0.0	1,307	0.5	1,943	0.8
Connecticut	624	0.2	3	0.0	265	0.1	356	0.1
Delaware	456	0.2	2	0.0	148	0.1	306	0.1
Dist Of Columbia	42	0.0	11	0.0	8	0.0	23	0.0
Florida	5,324	2.1	61	0.0	1,312	0.5	3,951	1.5
Georgia	8,453	3.3	38	0.0	2,521	1.0	5,894	2.3
Hawaii	8	0.0	-	-	-	-	8	0.0
Idaho	2,645	1.0	12	0.0	1,253	0.5	1,380	0.5
Illinois	13,916	5.4	277	0.1	4,913	1.9	8,726	3.4
Indiana	9,129	3.6	68	0.0	2,583	1.0	6,478	2.5
Iowa	9,317	3.6	43	0.0	4,140	1.6	5,134	2.0
Kansas	10,756	4.2	32	0.0	4,123	1.6	6,601	2.6
Kentucky	5,037	2.0	39	0.0	2,507	1.0	2,491	1.0
Louisiana	6,726	2.6	36	0.0	3,172	1.2	3,518	1.4
Maine	1,680	0.7	9	0.0	835	0.3	836	0.3
Maryland	1,390	0.5	7	0.0	695	0.3	688	0.3
Massachusetts	1,679	0.7	18	0.0	503	0.2	1,158	0.5
Michigan	8,028	3.1	66	0.0	2,557	1.0	5,405	2.1
Minnesota	8,219	3.2	51	0.0	3,067	1.2	5,101	2.0
Mississippi	4,850	1.9	16	0.0	2,020	0.8	2,814	1.1
Missouri	8,001	3.1	70	0.0	3,222	1.3	4,709	1.8
Montana	3,514	1.4	16	0.0	2,007	0.8	1,491	0.6
Nebraska	6,575	2.6	16	0.0	2,743	1.1	3,816	1.5
Nevada	571	0.2	3	0.0	267	0.1	301	0.1
New Hampshire	637	0.2	10	0.0	224	0.1	403	0.2
New Jersey	2,493	1.0	49	0.0	586	0.2	1,858	0.7
New Mexico	1,355	0.5	1	0.0	578	0.2	776	0.3
New York	6,216	2.4	68	0.0	3,044	1.2	3,104	1.2
North Carolina	7,813	3.0	55	0.0	3,250	1.3	4,508	1.8
North Dakota	6,343	2.5	19	0.0	1,996	0.8	4,328	1.7
Ohio	9,633	3.8	30	0.0	3,191	1.2	6,412	2.5
Oklahoma	5,913	2.3	15	0.0	1,610	0.6	4,288	1.7
Oregon	5,213	2.0	89	0.0	2,815	1.1	2,309	0.9
Pennsylvania	8,946	3.5	119	0.0	3,322	1.3	5,505	2.1
Rhode Island	189	0.1	-	-	71	0.0	118	0.0
South Carolina	4,270	1.7	11	0.0	1,280	0.5	2,979	1.2
South Dakota	3,495	1.4	6	0.0	1,349	0.5	2,140	0.8
Tennessee	5,062	2.0	24	0.0	1,832	0.7	3,206	1.3
Texas	18,289	7.1	34	0.0	6,188	2.4	12,067	4.7
Utah	1,755	0.7	4	0.0	780	0.3	971	0.4
Vermont	1,192	0.5	46	0.0	650	0.3	496	0.2
Virginia	4,829	1.9	42	0.0	2,734	1.1	2,053	0.8
Washington	5,749	2.2	58	0.0	2,917	1.1	2,774	1.1
West Virginia	3,632	1.4	58	0.0	1,967	0.8	1,607	0.6
Wisconsin	7,043	2.7	96	0.0	2,633	1.0	4,314	1.7
Wyoming	1,151	0.4	2	0.0	741	0.3	408	0.2
Total	256,241	100.0	1,953	0.8	98,918	38.6	155,370	60.6

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TABLE 9-3 PUBLIC AT-GRADE CROSSINGS, BY WARNING DEVICE AND RAILROAD, 2000

Railroads	Total		Unknown	Other	Cross Bucks	Stop Signs	Special Warning	HWTS, WW, Bells	Flashing Lights	Gates
	Cnt	%								
Alton & Southern	15	0.01	-	-	2	-	-	-	7	6
Alaska RR Corp.	220	0.14	8	-	95	29	7	-	30	51
Amtrak	235	0.15	7	3	4	5	5	-	6	205
Bangor & Aroostook	158	0.10	-	-	56	5	5	-	87	5
Bessemer & Lake Erie RR	140	0.09	2	-	70	-	2	-	29	37
Burlington Northern Santa Fe	21,412	13.78	434	16	11,707	983	188	121	2,740	5,223
Belt Rwy Of Chicago	38	0.02	1	-	18	-	1	-	8	10
Consolidated Rail Corp.	4,328	2.79	436	131	1,321	111	657	84	1,171	417
Conrail Shared Assets	2	0.00	-	-	2	-	-	-	-	-
CSX Transportation	19,434	12.51	506	14	5,842	1,648	390	157	4,142	6,735
Delaware & Hudson	80	0.05	2	-	21	1	1	2	20	33
Dakota, Minnesota & Eastern	812	0.52	30	-	602	47	-	1	115	17
Duluth, Missabe & Iron Range	140	0.09	-	2	74	32	2	-	19	11
Duluth, Winnipeg & Pacific	81	0.05	-	-	42	15	1	-	9	14
Elgin, Joliet & Eastern	187	0.12	-	-	26	2	8	2	57	92
Florida East Coast	730	0.47	9	-	46	3	27	-	31	614
Guilford Rail System	1,139	0.73	47	2	272	30	189	19	339	241
Grand Trunk Western RR	835	0.54	1	-	41	200	27	6	167	393
Gateway Western	322	0.21	-	-	181	9	-	15	89	28
Illinois Central	3,491	2.25	167	4	1,447	365	78	22	830	578
Indiana Harbor Belt	86	0.06	3	-	10	-	17	-	23	33
I & M Rail Link, LLC	488	0.31	3	-	279	41	14	4	107	40
Kansas City Southern	2,632	1.69	111	-	1,503	181	3	6	471	357
Long Island Rail Road	304	0.20	-	1	8	-	-	1	-	294
Metro North Commuter	62	0.04	3	-	3	-	1	1	34	20
Montana Rail Link	450	0.29	6	-	267	45	-	1	64	67
Northern IN Comm Trans	123	0.08	1	-	5	27	-	7	42	41
Northeast IL Reg Comm	169	0.11	2	-	4	1	-	1	14	147
New Jersey Transit Rail	343	0.22	7	-	28	1	10	1	79	217
Norfolk Southern Corp.	20,561	13.23	657	94	7,454	1,805	488	102	3,976	5,985
Paducah & Louisville	258	0.17	3	-	118	10	1	3	103	20
Port Terminal RR Assn	65	0.04	5	-	25	1	-	-	11	23
Southern CA Reg Rail Auth.	330	0.21	-	-	31	4	-	-	20	275
Southeastern PA Trans.	261	0.17	45	2	30	17	19	21	77	50
Soo Line	1,287	0.83	60	-	689	176	10	1	163	188
Texas Mexican	230	0.15	7	-	140	6	10	-	58	9
Term RR Assn Of St. Louis	117	0.08	1	-	11	2	43	-	17	43
Union Pacific	30,535	19.65	1,274	44	14,740	1,799	298	373	4,427	7,580
Union RR (Pittsburgh)	14	0.01	-	-	-	-	-	10	1	3
Wisconsin Central Ltd.	2,537	1.63	23	-	1,152	348	23	19	682	290
Wheeling & Lake Erie	561	0.36	10	-	286	22	1	3	145	94
Other railroads	40,158	25.85	1,382	170	22,816	3,659	1,197	434	6,690	3,810
Total	155,370	100.00	5,253	483	71,468	11,630	3,723	1,417	27,100	34,296

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TABLE 9-4 PUBLIC AT-GRADE CROSSINGS, BY WARNING DEVICE AND STATE, 2000

States	Total		Unknown	Other	Cross Bucks	Stop Signs	Special Warning	HWTS, WW, Bells	Flashing lights	Gates	AADT
	Cnt	%									
Alabama	3,481	2.24	121	8	1,467	728	25	14	616	502	6,930,192
Alaska	224	0.14	9	-	98	29	7	-	30	51	479,358
Arizona	935	0.60	24	-	347	101	11	4	66	382	2,979,451
Arkansas	3,134	2.02	126	-	1,914	201	69	29	434	361	3,823,171
California	7,844	5.05	175	15	2,860	329	42	281	1,004	3,138	41,004,503
Colorado	1,943	1.25	65	3	937	237	34	37	248	382	4,008,609
Connecticut	356	0.23	19	-	29	38	24	5	137	104	1,269,300
Delaware	306	0.20	15	-	48	4	21	1	168	49	1,071,492
Dist Of Columbia	23	0.01	2	-	1	2	12	2	4	-	179,150
Florida	3,951	2.54	53	6	876	130	86	14	543	2,243	19,103,608
Georgia	5,894	3.79	167	7	2,553	1,016	116	23	317	1,695	9,091,133
Hawaii	8	0.01	-	1	6	1	-	-	-	-	27,000
Idaho	1,380	0.89	16	-	478	558	5	4	183	136	1,820,661
Illinois	8,726	5.62	242	2	3,548	60	159	92	2,327	2,296	19,114,890
Indiana	6,478	4.17	131	7	2,229	924	72	90	1,542	1,483	13,533,454
Iowa	5,134	3.30	81	1	2,932	385	39	30	994	672	5,334,466
Kansas	6,601	4.25	114	12	4,546	255	71	45	606	952	4,785,734
Kentucky	2,491	1.60	115	-	1,067	53	48	17	789	402	3,908,687
Louisiana	3,518	2.26	215	11	1,755	258	38	26	666	549	7,110,247
Maine	836	0.54	1	-	275	14	71	-	401	74	1,939,537
Maryland	688	0.44	34	2	254	38	25	23	208	104	2,410,358
Massachusetts	1,158	0.75	48	3	226	5	199	30	455	192	4,230,601
Michigan	5,405	3.48	57	14	1,187	1,680	97	42	1,384	944	15,142,661
Minnesota	5,101	3.28	95	2	2,981	718	17	9	599	680	6,174,477
Mississippi	2,814	1.81	182	10	1,114	679	47	13	543	226	4,987,250
Missouri	4,709	3.03	217	1	2,663	125	93	54	917	639	4,922,352
Montana	1,491	0.96	54	-	982	88	11	3	166	187	1,311,516
Nebraska	3,816	2.46	112	-	2,570	217	5	8	262	642	2,447,043
Nevada	301	0.19	5	-	129	10	4	1	23	129	895,881
New Hampshire	403	0.26	2	2	110	39	80	10	125	35	1,039,669
New Jersey	1,858	1.20	121	2	399	19	234	16	656	411	10,995,200
New Mexico	776	0.50	8	4	418	21	1	6	104	214	890,351
New York	3,104	2.00	63	22	710	19	187	57	486	1,560	7,728,148
North Carolina	4,508	2.90	189	6	1,974	58	145	21	683	1,432	9,182,744
North Dakota	4,328	2.79	147	-	3,606	79	1	-	108	387	1,265,346
Ohio	6,412	4.13	82	10	2,725	170	74	21	1,170	2,160	13,835,305
Oklahoma	4,288	2.76	60	7	2,803	125	64	21	628	580	4,664,931
Oregon	2,309	1.49	123	43	863	435	90	44	136	575	4,536,692
Pennsylvania	5,505	3.54	447	257	1,881	144	620	110	1,303	743	16,466,957
Rhode Island	118	0.08	22	-	7	5	22	22	24	16	547,375
South Carolina	2,979	1.92	20	-	1,135	402	127	2	490	803	5,661,289
South Dakota	2,140	1.38	75	-	1,824	29	-	1	194	17	1,271,486
Tennessee	3,206	2.06	242	1	1,522	167	175	38	662	399	6,673,844
Texas	12,067	7.77	543	8	6,229	307	98	60	1,713	3,109	29,258,788
Utah	971	0.62	69	5	411	50	85	5	165	181	1,842,576
Vermont	496	0.32	2	-	199	25	44	3	196	27	702,703
Virginia	2,053	1.32	50	-	524	11	60	6	489	913	5,898,853
Washington	2,774	1.79	280	2	1,383	103	50	27	379	550	5,183,358
West Virginia	1,607	1.03	137	9	724	28	18	9	455	227	1,810,927
Wisconsin	4,314	2.78	70	-	1,820	494	99	40	1,216	575	9,471,575
Wyoming	408	0.26	6	-	129	17	1	1	86	168	335,542
Total	155,370	100.00	5,253	483	71,468	11,630	3,723	1,417	27,100	34,296	329,300,441

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TABLE 9-5 PRIVATE/PEDESTRIAN AT-GRADE CROSSINGS, BY DEVELOPMENT AND RAILROAD, 2000

Railroads	Total		Not Reported	Farm	Residential	Recreational	Industrial
	Cnt	%					
Alton & Southern	21	0.02	-	7	5	-	9
Alaska RR Corp.	104	0.11	-	4	14	5	81
Amtrak	67	0.07	1	34	13	3	16
Bangor & Aroostook	341	0.34	-	148	33	45	115
Bessemer & Lake Erie RR	96	0.10	-	38	12	2	44
Burlington Northern Santa Fe	13,562	13.71	1	9,465	937	149	3,010
Belt Rwy Of Chicago	76	0.08	-	-	-	-	76
Consolidated Rail Corp.	2,633	2.66	-	1,270	295	73	995
CSX Transportation	10,077	10.19	389	5,460	1,817	185	2,226
Delaware & Hudson	446	0.45	-	305	49	37	55
Dakota,Minnesota & Eastern	554	0.56	-	477	8	1	68
Duluth,Missabe & Iron Range	129	0.13	-	24	17	1	87
Duluth,Winnipeg & Pacific	20	0.02	-	4	4	7	5
Elgin, Joliet & Eastern	96	0.10	-	41	1	-	54
Florida East Coast	112	0.11	85	4	3	-	20
Guilford Rail System	611	0.62	-	207	64	21	319
Grand Trunk Western RR	381	0.39	-	277	26	7	71
Gateway Western	246	0.25	-	216	2	1	27
Illinois Central	2,195	2.22	-	1,493	234	14	454
Indiana Harbor Belt	45	0.05	-	-	2	-	43
I & M Rail Link, LLC	437	0.44	-	293	81	14	49
Kansas City Southern	1,652	1.67	-	1,087	206	10	349
Long Island Rail Road	82	0.08	-	67	4	3	8
Metro North Commuter	61	0.06	-	12	8	7	34
Montana Rail Link	707	0.71	-	488	64	16	139
Northern IN Comm Trans	25	0.03	-	8	2	-	15
Northeast IL Reg Comm	36	0.04	-	12	8	1	15
New Jersey Transit Rail	89	0.09	-	35	16	4	34
Norfolk Southern Corp.	12,846	12.99	904	7,053	2,355	200	2,334
Paducah & Louisville	186	0.19	-	118	30	1	37
Port Auth Trans Hudson	2	0.00	-	1	-	-	1
Port Terminal RR Assn	97	0.10	-	1	-	-	96
Southern CA Reg Rail Auth.	46	0.05	-	13	6	3	24
Southeastern PA Trans.	53	0.05	-	22	12	2	17
Soo Line	1,348	1.36	-	1,096	60	12	180
Texas Mexican	195	0.20	1	117	18	2	57
Term RR Assn Of St. Louis	11	0.01	-	3	-	-	8
Union Pacific	19,987	20.20	189	12,932	1,602	220	5,044
Union RR (Pittsburgh)	39	0.04	-	-	-	-	39
Wisconsin Central Ltd.	1,536	1.55	-	894	160	48	434
Wheeling & Lake Erie	389	0.39	-	216	36	5	132
Other Railroads	27,293	27.59	169	16,747	3,494	540	6,343
Total	98,929	100.00	1,739	60,689	11,698	1,639	23,164

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TABLE 9-6 PRIVATE/PEDESTRIAN AT-GRADE CROSSINGS, BY TYPE DEVELOPMENT AND STATE, 2000

States	Total		Not Reported	Farm	Residential	Recreational	Industrial
	Cnt	%					
Alabama	1,917	1.94	4	1,089	345	34	445
Alaska	104	0.11	-	4	14	5	81
Arizona	686	0.69	-	394	24	12	256
Arkansas	1,512	1.53	-	998	221	20	273
California	4,774	4.83	9	2,104	339	122	2,200
Colorado	1,307	1.32	2	785	242	16	262
Connecticut	265	0.27	1	50	30	35	149
Delaware	148	0.15	-	82	37	4	25
Dist Of Columbia	8	0.01	-	-	-	-	8
Florida	1,321	1.34	224	469	184	26	418
Georgia	2,521	2.55	-	1,378	606	31	506
Idaho	1,253	1.27	1	787	61	10	394
Illinois	4,913	4.97	-	3,214	427	74	1,198
Indiana	2,582	2.61	3	1,709	313	28	529
Iowa	4,140	4.18	-	3,094	329	50	667
Kansas	4,123	4.17	-	3,507	197	7	412
Kentucky	2,507	2.53	-	1,456	681	17	353
Louisiana	3,172	3.21	-	1,720	496	21	935
Maine	835	0.84	-	348	113	73	301
Maryland	695	0.70	-	398	74	16	207
Massachusetts	503	0.51	-	161	62	39	241
Michigan	2,557	2.58	-	1,320	373	124	740
Minnesota	3,067	3.10	-	2,201	242	51	573
Mississippi	2,020	2.04	2	1,340	404	7	267
Missouri	3,222	3.26	1	2,288	335	25	573
Montana	2,007	2.03	-	1,573	106	25	303
Nebraska	2,743	2.77	-	2,420	83	13	227
Nevada	267	0.27	191	28	3	8	37
New Hampshire	225	0.23	2	112	32	23	56
New Jersey	586	0.59	1	195	63	11	316
New Mexico	578	0.58	-	427	28	2	121
New York	3,044	3.08	-	2,086	337	100	521
North Carolina	3,250	3.29	1	1,606	828	30	785
North Dakota	1,996	2.02	-	1,780	24	10	182
Ohio	3,191	3.23	-	2,091	288	37	775
Oklahoma	1,610	1.63	-	1,201	151	10	248
Oregon	2,816	2.85	-	1,352	335	41	1,088
Pennsylvania	3,322	3.36	4	1,425	488	152	1,253
Rhode Island	71	0.07	-	7	18	9	37
South Carolina	1,280	1.29	-	648	298	19	315
South Dakota	1,349	1.36	-	1,126	81	4	138
Tennessee	1,832	1.85	-	1,071	387	24	350
Texas	6,188	6.25	3	4,083	532	34	1,536
Utah	780	0.79	-	524	36	16	204
Vermont	650	0.66	-	450	62	29	109
Virginia	2,734	2.76	1,288	959	194	18	275
Washington	2,917	2.95	-	1,413	373	53	1,078
West Virginia	1,967	1.99	1	852	596	42	476
Wisconsin	2,633	2.66	1	1,724	193	81	634
Wyoming	741	0.75	-	640	13	1	87
Total	98,929	100.00	1,739	60,689	11,698	1,639	23,164

CHAPTER 10

TRESPASSERS, NOT AT HIGHWAY-RAIL CROSSINGS

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

A person on a highway-rail crossing should not be classified as a trespasser unless the crossing is protected by gates, or other similar barriers that were closed when the person went on the crossing, or unless the person attempted to pass over, under, or between cars or locomotives of a consist occupying the crossing. Although these individuals are identified as “trespassers” on form FRA F 6180.55a, they are excluded from this chapter because the incident is defined as a highway-rail incident. These casualties can be found in Chapters 7 and 8 that summarize highway-rail crossing incidents.

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TRESPASSERS, NOT AT HIGHWAY-RAIL CROSSINGS

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TABLE 10-1 REPORTABLE CONDITIONS TO TRESPASSERS, 2000

Condition	Tot	Unk	Age of Trespasser												
			1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	> 60
Bruise/contusion	54	6	-	2	3	7	8	3	10	3	5	5	-	-	2
Sprain/str., arm/hand	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Sprain/str., leg/foot	2	-	-	-	1	-	-	-	1	-	-	-	-	-	-
Sprain/str., head/fac	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Sprain/str., torso	4	-	-	-	-	-	1	1	-	1	1	-	-	-	-
Sprain/str., other	2	-	-	-	-	1	-	-	-	1	-	-	-	-	-
Cut/abrasion	73	4	3	3	1	7	8	12	10	8	6	4	2	2	3
Puncture wound	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Electric shock/burn	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Other burn	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Dislocation	4	-	-	-	-	1	-	-	1	-	1	1	-	-	-
Fracture, other	4	-	-	-	1	-	1	-	2	-	-	-	-	-	-
Fracture, arm/hand	19	-	-	1	3	4	4	-	1	2	2	2	-	-	-
Fracture, leg/foot	32	1	-	-	4	6	7	8	1	1	2	1	1	-	-
Fracture, head/face	8	1	-	-	2	1	-	1	1	-	-	1	1	-	-
Fracture, torso	10	1	-	-	2	-	1	-	-	-	2	1	1	-	2
Fracture, multiple	5	-	-	-	-	-	-	3	2	-	-	-	-	-	-
Amputation, arm/hand	15	-	-	-	1	1	-	-	3	5	1	3	1	-	-
Amputation, leg/foot	74	4	-	5	9	7	11	10	8	9	5	4	-	2	-
Amputation, other	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Fatality	463	61	5	3	16	42	51	42	42	61	51	27	22	13	27
Concussion	5	1	-	-	1	1	-	2	-	-	-	-	-	-	-
Nervous shock	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Internal injury	5	-	-	1	-	-	-	1	1	-	1	1	-	-	-
Unspecified injury	89	10	-	2	1	12	19	13	5	9	11	4	1	-	2
Total	877	89	8	17	48	91	111	99	89	100	88	55	29	17	36

Railroad Safety Statistics--Annual Report 2000

TABLE 10-2 TRESPASSERS KILLED, BY RAILROAD AND AGE, 2000

Railroads	Age of Trespasser														
	Tot	Unk	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	> 60
Amtrak	70	20	-	2	5	7	2	1	7	9	8	2	1	3	3
Burlington Northern Santa Fe	77	21	-	-	2	5	7	2	8	10	7	4	6	1	4
CSX Transportation	61	-	2	-	1	5	14	10	6	2	10	3	2	2	4
Delaware & Hudson	3	1	-	-	-	-	1	-	-	-	-	-	1	-	-
Florida East Coast	15	2	-	-	1	-	2	1	-	2	3	2	2	-	-
Guilford Rail System	3	-	-	-	-	-	1	-	-	-	2	-	-	-	-
Grand Trunk Western RR	3	-	-	-	-	2	-	-	-	1	-	-	-	-	-
Gateway Western	2	1	-	-	-	-	1	-	-	-	-	-	-	-	-
Illinois Central	3	-	-	-	-	-	1	-	-	1	-	-	-	-	1
I & M Rail Link, LLC	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Kansas City Southern	5	1	-	-	1	-	-	-	-	2	1	-	-	-	-
Long Island Rail Road	4	1	-	-	-	-	1	-	-	1	-	-	1	-	-
MD Assn. of Rail Comm	2	1	-	-	-	-	-	-	-	-	-	-	-	1	-
Mass Bay Transit Auth.	10	3	-	-	-	1	-	1	2	1	-	1	-	1	-
Metro North Commuter	4	-	-	-	-	-	1	-	1	1	-	1	-	-	-
Northeast IL Reg Comm	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-
New Jersey Transit Rail	17	2	-	-	-	2	2	1	-	4	2	1	3	-	-
Norfolk Southern Corp.	56	-	-	1	1	5	3	5	8	8	10	4	2	2	7
Peninsula Comm San Mateo Cnty	12	1	-	-	1	1	1	3	-	2	-	-	1	-	2
Southeastern PA Trans.	3	-	-	-	1	-	1	-	-	-	-	1	-	-	-
Soo Line	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Union Pacific	95	-	3	-	1	11	11	18	10	16	6	8	3	3	5
Wisconsin Central Ltd.	2	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Other railroads	12	6	-	-	1	2	1	-	-	-	1	-	-	-	1
Total	463	61	5	3	16	42	51	42	42	61	51	27	22	13	27

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TABLE 10-3 TRESPASSERS KILLED, BY STATE AND AGE, 2000

States	Age of Trespasser														
	Tot	Unk	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	> 60
Alabama	10	-	-	-	1	2	1	-	1	-	1	-	1	2	1
Arizona	15	3	-	-	-	1	1	4	1	1	3	1	-	-	-
Arkansas	2	-	1	-	-	-	-	1	-	-	-	-	-	-	-
California	72	12	1	-	2	10	4	6	5	14	5	4	3	1	5
Colorado	4	2	-	-	-	-	-	-	2	-	-	-	-	-	-
Connecticut	4	-	-	-	-	-	-	-	1	-	1	1	-	-	1
Delaware	2	-	-	-	-	-	1	-	-	-	1	-	-	-	-
Florida	29	4	2	-	1	1	5	2	-	3	5	3	2	1	-
Georgia	11	-	-	-	-	1	2	-	2	1	1	2	-	1	1
Illinois	31	9	-	1	2	4	5	1	3	5	-	-	1	-	-
Indiana	11	-	-	-	-	1	-	-	3	1	3	1	-	-	2
Iowa	2	1	-	-	-	-	1	-	-	-	-	-	-	-	-
Kansas	9	2	-	-	1	1	-	1	-	2	-	-	1	-	1
Kentucky	8	-	-	-	-	4	-	1	2	-	-	-	-	-	1
Louisiana	2	1	-	-	-	-	-	-	-	1	-	-	-	-	-
Maine	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Maryland	7	2	-	-	-	-	1	-	1	1	1	-	-	1	-
Massachusetts	16	3	-	-	-	2	1	2	1	3	2	1	-	1	-
Michigan	9	1	-	-	-	3	1	-	-	2	-	-	-	-	2
Minnesota	5	-	-	-	-	1	1	1	1	-	-	1	-	-	-
Mississippi	2	-	-	-	-	-	1	-	-	-	-	-	-	-	1
Missouri	11	1	-	1	1	-	2	2	1	1	-	-	-	-	2
Montana	2	-	-	-	-	1	-	-	-	-	-	-	1	-	-
Nebraska	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Nevada	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-
New Jersey	21	2	-	-	-	2	2	2	1	5	2	-	3	-	2
New Mexico	4	-	-	-	-	-	-	1	-	1	1	-	1	-	-
New York	24	4	-	-	2	-	6	1	2	3	1	2	2	-	1
North Carolina	10	2	-	-	-	-	-	1	1	1	2	-	2	1	-
North Dakota	2	1	-	-	-	-	-	-	-	1	-	-	-	-	-
Ohio	12	2	-	1	1	1	1	2	1	-	2	-	1	-	-
Oklahoma	10	2	-	-	-	1	1	-	2	-	-	2	-	1	1
Oregon	9	-	-	-	-	1	3	2	1	-	1	1	-	-	-
Pennsylvania	14	1	-	-	3	-	1	-	1	-	4	3	-	-	1
Rhode Island	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
South Carolina	9	3	-	-	-	-	-	1	-	1	4	-	-	-	-
South Dakota	2	-	-	-	-	1	1	-	-	-	-	-	-	-	-
Tennessee	6	-	-	-	-	-	1	1	-	-	3	-	-	-	1
Texas	34	-	1	-	-	2	3	6	4	4	5	2	3	2	2
Utah	3	-	-	-	-	1	1	-	-	1	-	-	-	-	-
Vermont	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Virginia	8	-	-	-	-	1	1	-	1	3	-	-	-	1	1
Washington	14	2	-	-	2	-	2	-	4	2	1	-	-	1	-
West Virginia	8	-	-	-	-	-	-	3	-	-	1	2	1	-	1
Wisconsin	4	1	-	-	-	-	-	-	-	2	1	-	-	-	-
Total	463	61	5	3	16	42	51	42	42	61	51	27	22	13	27

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TABLE 10-4 TRESPASSERS INJURED, BY RAILROAD AND AGE, 2000

Railroads	Cnt	%	Age of Trespasser													
			Unk	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	> 60
Amtrak	18	4.3	4	-	-	1	1	2	-	3	2	2	2	-	-	1
Bessemer & Lake Erie RR	2	0.5	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Burlington Northern Santa Fe	57	13.8	17	-	2	5	6	9	6	3	2	4	2	1	-	-
Conrail Shared Assets	3	0.7	-	-	-	-	1	-	1	-	-	-	-	-	-	1
CSX Transportation	58	14.0	-	1	1	5	6	15	6	4	4	7	7	-	-	2
Delaware & Hudson	2	0.5	-	-	-	-	1	1	-	-	-	-	-	-	-	-
Florida East Coast	13	3.1	-	-	-	-	-	3	-	2	4	3	-	-	-	1
Grand Trunk Western RR	2	0.5	-	-	-	1	-	-	-	-	1	-	-	-	-	-
Gateway Western	1	0.2	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Illinois Central	10	2.4	-	-	3	2	-	-	2	3	-	-	-	-	-	-
Indiana Harbor Belt	2	0.5	-	-	-	-	-	-	-	-	-	1	1	-	-	-
I & M Rail Link, LLC	1	0.2	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Kansas City Southern	9	2.2	2	-	-	1	-	1	-	3	2	-	-	-	-	-
Long Island Rail Road	9	2.2	1	-	-	-	-	-	2	1	2	3	-	-	-	-
Mass Bay Transit Auth.	5	1.2	-	-	-	2	-	-	1	-	-	1	1	-	-	-
Metro North Commuter	1	0.2	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Northeast IL Reg Comm	6	1.4	-	-	1	-	1	-	1	1	2	-	-	-	-	-
New Jersey Transit Rail	4	1.0	-	-	-	1	-	-	-	2	-	-	-	-	-	1
Norfolk Southern Corp.	41	9.9	-	-	2	3	3	5	4	5	10	3	2	1	2	1
Paducah & Louisville	1	0.2	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Port Terminal RR Assn	1	0.2	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Southeastern PA Trans.	2	0.5	-	-	1	-	-	-	-	-	-	-	-	-	-	1
Soo Line	1	0.2	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Texas Mexican	1	0.2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Union Pacific	141	34.1	-	2	2	7	24	20	31	20	10	8	10	4	1	2
Wisconsin Central Ltd.	6	1.4	-	-	-	3	2	-	-	-	-	1	-	-	-	-
Other railroads	17	4.1	4	-	1	-	3	3	1	-	-	2	2	1	-	-
Total	414	100.0	28	3	14	32	49	60	57	47	39	37	28	7	4	9

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TABLE 10-5 TRESPASSERS INJURED, BY STATE AND AGE, 2000

States	Cnt	%	Unk	Age of Trespasser													
				1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	> 60	
Alabama	7	1.7	-	-	1	-	-	-	2	1	1	-	1	1	-	-	-
Arizona	14	3.4	4	-	-	-	4	2	1	2	1	-	-	-	-	-	-
Arkansas	5	1.2	1	-	1	-	-	2	1	-	-	-	-	-	-	-	-
California	45	10.9	8	-	-	2	11	5	3	2	6	3	5	-	-	-	-
Colorado	4	1.0	3	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Dist Of Columbia	1	0.2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Florida	20	4.8	-	-	-	-	-	8	-	2	4	5	-	-	-	-	1
Georgia	5	1.2	-	-	-	1	-	-	1	-	1	-	1	-	-	-	1
Illinois	26	6.3	1	-	3	2	4	1	6	2	4	1	1	1	-	-	-
Indiana	5	1.2	-	-	-	1	-	-	1	1	1	1	-	-	-	-	-
Iowa	8	1.9	2	-	2	1	-	2	-	1	-	-	-	-	-	-	-
Kansas	7	1.7	-	-	-	-	-	1	3	2	-	-	-	1	-	-	-
Kentucky	8	1.9	-	-	1	-	-	3	1	1	-	2	-	-	-	-	-
Louisiana	14	3.4	1	-	1	2	1	2	1	5	1	-	-	-	-	-	-
Maryland	5	1.2	-	-	-	1	1	1	-	1	-	-	1	-	-	-	-
Massachusetts	5	1.2	-	-	-	2	-	-	1	-	-	1	1	-	-	-	-
Michigan	11	2.7	-	-	1	3	-	-	-	2	2	1	1	-	-	-	1
Minnesota	5	1.2	-	-	1	1	-	1	1	-	1	-	-	-	-	-	-
Missouri	8	1.9	1	-	-	1	1	-	2	-	1	1	-	-	-	-	1
Montana	1	0.2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Nebraska	4	1.0	-	-	-	-	1	-	1	-	1	1	-	-	-	-	-
Nevada	4	1.0	-	-	-	1	-	-	1	-	-	-	2	-	-	-	-
New Jersey	11	2.7	-	-	-	3	1	1	2	2	-	-	-	-	-	-	2
New Mexico	6	1.4	1	-	-	-	-	-	-	3	-	-	1	-	-	-	1
New York	26	6.3	1	-	-	-	6	4	5	1	3	4	1	-	-	-	1
North Carolina	11	2.7	1	-	-	-	1	-	1	-	3	4	-	1	-	-	-
North Dakota	1	0.2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Ohio	9	2.2	-	1	1	1	-	1	1	-	1	1	2	-	-	-	-
Oklahoma	7	1.7	1	-	-	-	1	-	3	-	1	-	1	-	-	-	-
Oregon	14	3.4	1	2	-	-	3	2	2	1	1	1	1	-	-	-	-
Pennsylvania	11	2.7	-	-	1	1	1	1	-	-	2	-	2	-	2	-	2
South Carolina	7	1.7	-	-	-	-	1	1	1	1	1	2	-	-	-	-	-
South Dakota	6	1.4	-	-	-	-	2	3	-	-	1	-	-	-	-	-	-
Tennessee	1	0.2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Texas	56	13.5	1	-	1	3	7	9	13	11	-	6	2	2	1	-	-
Utah	3	0.7	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-
Virginia	4	1.0	1	-	-	-	-	1	1	-	1	-	-	-	-	-	-
Washington	15	3.6	-	-	-	2	2	5	1	2	-	1	1	1	-	-	-
West Virginia	10	2.4	-	-	-	-	-	2	-	2	2	-	3	-	-	1	-
Wisconsin	4	1.0	-	-	-	3	-	-	-	-	-	1	-	-	-	-	-
Total	414	100.0	28	3	14	32	49	60	57	47	39	37	28	7	4	9	9

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TABLE 10-6 TRESPASSER CASUALTIES, BY STATE AND AGE GROUP, 2000

States	Deaths					Total Killed	Nonfatal Cases					Total Injured		
	Age Group				Cnt		%	Age Group					Cnt	%
	Unk	< 16	16-21	> 21				Unk	< 16	16-21	> 21			
Alabama	-	1	2	7	10	2.2	-	1	1	5	7	1.7		
Arizona	3	-	2	10	15	3.2	4	-	4	6	14	3.4		
Arkansas	-	1	-	1	2	0.4	1	1	-	3	5	1.2		
California	12	3	10	47	72	15.6	8	2	12	23	45	10.9		
Colorado	2	-	-	2	4	0.9	3	-	-	1	4	1.0		
Connecticut	-	-	-	4	4	0.9	-	-	-	-	0	0.0		
Delaware	-	-	-	2	2	0.4	-	-	-	-	0	0.0		
Dist Of Columbia	-	-	-	-	0	0.0	-	-	-	-	1	0.2		
Florida	4	3	4	18	29	6.3	-	-	5	15	20	4.8		
Georgia	-	-	3	8	11	2.4	-	1	-	4	5	1.2		
Illinois	9	3	5	14	31	6.7	1	5	4	16	26	6.3		
Indiana	-	-	1	10	11	2.4	-	1	-	4	5	1.2		
Iowa	1	-	-	1	2	0.4	2	3	-	3	8	1.9		
Kansas	2	1	1	5	9	1.9	-	-	-	7	7	1.7		
Kentucky	-	-	4	4	8	1.7	-	1	-	7	8	1.9		
Louisiana	1	-	-	1	2	0.4	1	3	1	9	14	3.4		
Maine	-	-	-	1	1	0.2	-	-	-	-	0	0.0		
Maryland	2	-	-	5	7	1.5	-	1	2	2	5	1.2		
Massachusetts	3	-	2	11	16	3.5	-	2	-	3	5	1.2		
Michigan	1	-	3	5	9	1.9	-	4	-	7	11	2.7		
Minnesota	-	-	1	4	5	1.1	-	2	-	3	5	1.2		
Mississippi	-	-	1	1	2	0.4	-	-	-	-	0	0.0		
Missouri	1	2	1	7	11	2.4	1	1	1	5	8	1.9		
Montana	-	-	1	1	2	0.4	-	1	-	-	1	0.2		
Nebraska	-	-	-	1	1	0.2	-	-	1	3	4	1.0		
Nevada	-	-	-	1	1	0.2	-	1	-	3	4	1.0		
New Jersey	2	-	3	16	21	4.5	-	3	1	7	11	2.7		
New Mexico	-	-	-	4	4	0.9	1	-	-	5	6	1.4		
New York	4	2	3	15	24	5.2	1	-	9	16	26	6.3		
North Carolina	2	-	-	8	10	2.2	1	-	1	9	11	2.7		
North Dakota	1	-	-	1	2	0.4	-	-	1	-	1	0.2		
Ohio	2	2	1	7	12	2.6	-	3	-	6	9	2.2		
Oklahoma	2	-	1	7	10	2.2	1	-	1	5	7	1.7		
Oregon	-	-	1	8	9	1.9	1	2	3	8	14	3.4		
Pennsylvania	1	3	1	9	14	3.0	-	2	1	8	11	2.7		
Rhode Island	-	-	-	1	1	0.2	-	-	-	-	0	0.0		
South Carolina	3	-	-	6	9	1.9	-	-	2	5	7	1.7		
South Dakota	-	-	1	1	2	0.4	-	-	3	3	6	1.4		
Tennessee	-	-	1	5	6	1.3	-	-	-	1	1	0.2		
Texas	-	1	2	31	34	7.3	1	4	9	42	56	13.5		
Utah	-	-	1	2	3	0.6	-	-	-	3	3	0.7		
Vermont	-	-	-	1	1	0.2	-	-	-	-	0	0.0		
Virginia	-	-	2	6	8	1.7	1	-	-	3	4	1.0		
Washington	2	2	1	9	14	3.0	-	2	3	10	15	3.6		
West Virginia	-	-	-	8	8	1.7	-	-	1	9	10	2.4		
Wisconsin	1	-	-	3	4	0.9	-	3	-	1	4	1.0		
Total	61	24	59	319	463	100.0	28	49	66	271	414	100.0		

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TABLE 10-7 TRESPASSER CASUALTIES, BY MONTH AND DAY, 2000

Cond	Month	Total		Day Of The Week							Age of Person			
		Cnt	%	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Unk	< 16	16-21	> 21
Kid	January	29	3.3	5	3	6	2	5	3	5	2	1	7	19
	February	21	2.4	2	4	3	5	2	3	2	3	1	4	13
	March	23	2.6	2	3	3	5	3	4	3	-	2	3	18
	April	40	4.6	8	5	3	5	11	2	6	3	3	2	32
	May	53	6.0	8	5	4	8	9	7	12	6	1	8	38
	June	41	4.7	5	9	6	7	6	2	6	8	2	3	28
	July	45	5.1	4	7	7	9	9	3	6	6	2	7	30
	August	47	5.4	12	4	6	7	5	7	6	3	2	4	38
	September	47	5.4	6	6	7	4	3	8	13	7	1	4	35
	October	55	6.3	12	4	9	4	6	9	11	11	7	8	29
	November	31	3.5	3	3	4	7	8	4	2	7	2	7	15
	December	31	3.5	5	1	3	5	4	5	8	5	-	2	24
	Total		463	52.8	72	54	61	68	71	57	80	61	24	59	319
Nonfatal	January	36	4.1	4	3	5	4	5	6	9	2	7	7	20
	February	17	1.9	2	5	-	1	4	3	2	-	-	3	14
	March	30	3.4	4	7	2	5	7	2	3	1	5	5	19
	April	33	3.8	6	3	4	5	1	10	4	5	3	5	20
	May	39	4.4	8	3	7	5	8	1	7	1	6	8	24
	June	38	4.3	6	6	3	4	6	7	6	3	1	6	28
	July	41	4.7	6	9	5	6	5	1	9	5	1	10	25
	August	49	5.6	12	5	4	9	7	8	4	6	6	8	29
	September	50	5.7	10	8	7	6	3	10	6	1	9	3	37
	October	37	4.2	8	4	6	2	6	6	5	1	3	6	27
	November	27	3.1	3	3	7	5	1	1	7	1	4	4	18
	December	17	1.9	-	1	2	4	6	1	3	2	4	1	10
	Total		414	47.2	69	57	52	56	59	56	65	28	49	66
Total		877	100.0	141	111	113	124	130	113	145	89	73	125	590

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TABLE 10-8 TRESPASSERS CASUALTIES, BY TIME AND DAY, 2000

Time	Total Cnt	Day Of The Week													
		Sun		Mon		Tue		Wed		Thu		Fri		Sat	
		Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal
AM 1	39	2	3	1	5	1	3	3	1	2	3	4	3	5	
2	57	7	2	4	3	5	1	5	5	1	-	6	5	9	4
3	38	5	7	-	2	1	2	1	5	2	5	3	-	2	3
4	35	5	-	1	2	2	4	1	3	3	1	5	1	3	4
5	27	1	2	2	1	1	-	1	-	5	3	3	3	3	2
6	32	6	4	1	1	2	4	4	1	1	1	-	1	4	2
7	20	2	-	3	2	1	1	3	3	2	-	1	-	2	-
8	18	1	3	1	-	-	-	2	-	5	1	1	-	2	2
9	20	4	2	1	1	1	-	3	-	1	1	1	-	3	2
10	20	4	-	2	1	-	1	2	-	1	2	2	2	3	-
11	33	3	6	-	2	2	3	1	1	4	3	1	2	4	1
12	45	4	4	2	1	3	1	5	2	3	3	4	6	4	3
Total	384	44	33	18	21	19	20	31	23	29	22	30	23	43	28
PM 1	29	-	5	3	1	2	4	1	2	3	1	3	-	1	3
2	35	3	1	1	2	4	2	4	4	-	1	-	4	5	4
3	42	3	3	4	1	3	4	2	2	5	4	3	3	2	3
4	49	1	4	2	7	3	6	1	2	5	8	2	6	1	1
5	40	3	3	4	3	6	3	4	2	4	-	1	4	3	-
6	37	2	2	4	2	5	1	4	3	5	1	2	1	3	2
7	42	-	4	4	3	4	4	6	2	3	-	5	-	3	4
8	36	4	1	3	3	2	1	2	3	4	7	1	1	3	1
9	51	5	5	4	3	4	2	3	3	2	4	4	6	3	3
10	51	-	3	1	4	6	2	4	5	2	3	1	4	8	8
11	48	4	-	1	2	2	1	2	3	7	6	5	4	4	7
12	33	3	5	5	5	1	2	4	2	2	2	-	-	1	1
Total	493	28	36	36	36	42	32	37	33	42	37	27	33	37	37
Total	877	72	69	54	57	61	52	68	56	71	59	57	56	80	65

TABLE 10-9 TRESPASSER CASUALTIES, BY LOCATION, 2000

Location	Total		Fatal		Nonfatal		Age of Person			
	Cnt	%	Cnt	%	Cnt	%	Unk	< 16	16-21	> 21
Alongside of on-track equipment	41	4.7	12	2.6	29	7.0	1	8	6	26
Beside track	143	16.3	56	12.1	87	21.0	13	18	20	92
Between tracks	159	18.1	100	21.6	59	14.3	19	8	15	117
Between cars/locomotives	24	2.7	3	0.6	21	5.1	-	1	5	18
In car	11	1.3	6	1.3	5	1.2	1	-	1	9
In/operating vehicle	21	2.4	7	1.5	14	3.4	4	2	4	11
In tower	1	0.1	-	0.0	1	0.2	-	-	-	1
On bridge/trestle	21	2.4	12	2.6	9	2.2	4	4	3	10
On highway-rail crossing	5	0.6	1	0.2	4	1.0	-	-	-	5
On other rail crossing	4	0.5	4	0.9	-	0.0	1	-	1	2
On side of car	14	1.6	-	0.0	14	3.4	1	2	2	9
On track	389	44.4	249	53.8	140	33.8	43	25	57	264
On end of car	7	0.8	-	0.0	7	1.7	-	-	2	5
On pole/signal mast	2	0.2	-	0.0	2	0.5	-	2	-	-
On platform	4	0.5	2	0.4	2	0.5	-	-	2	2
On escalator	1	0.1	1	0.2	-	0.0	-	-	-	1
Under car	14	1.6	4	0.9	10	2.4	1	2	5	6
Under locomotive	3	0.3	2	0.4	1	0.2	-	-	-	3
Other location	13	1.5	4	0.9	9	2.2	1	1	2	9
Total	877	100.0	463	100.0	414	100.0	89	73	125	590

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TABLE 10-10 TRESPASSER CASUALTIES, BY EVENT, 2000

Location	Total		Fatal		Nonfatal		Age of Person			
	Cnt	%	Cnt	%	Cnt	%	Unk	< 16	16-21	> 21
Assaulted by other	1	0.1	-	0.0	1	0.2	-	-	-	1
Caught in/compressed by other machinery	2	0.2	1	0.2	1	0.2	-	1	-	1
Caught in/crushed by materials	3	0.3	-	0.0	3	0.7	-	-	-	3
Collision/impact - auto, truck, bus, van, etc.	18	2.1	5	1.1	13	3.1	3	1	5	9
Committing vandalism/theft	2	0.2	-	0.0	2	0.5	-	-	-	2
Electrical shock due to contact with 3rd rail, c	2	0.2	-	0.0	2	0.5	-	2	-	-
Horseplay, practical joke, etc.	1	0.1	-	0.0	1	0.2	-	1	-	-
Lost balance	36	4.1	4	0.9	32	7.7	-	3	7	26
Missed handhold, grabiron, step, etc.	3	0.3	1	0.2	2	0.5	-	1	-	2
Other impacts - on track equipment	4	0.5	1	0.2	3	0.7	-	-	-	4
Pushed/shoved from	2	0.2	1	0.2	1	0.2	-	1	-	1
Ran into on-track equipment	12	1.4	3	0.6	9	2.2	-	1	4	7
Slack action, draft, compressive buff/coupling	7	0.8	-	0.0	7	1.7	-	-	3	4
Slipped, fell, stumbled, etc. due to irregular surface	2	0.2	-	0.0	2	0.5	-	-	-	2
Slipped, fell, stumbled, etc. due to climatic conditions	3	0.3	1	0.2	2	0.5	-	-	-	3
Slipped, fell, stumbled, etc. due to object, ballast	3	0.3	1	0.2	2	0.5	-	-	-	3
Struck by thrown or propelled object	1	0.1	-	0.0	1	0.2	-	-	-	1
Struck by object	8	0.9	5	1.1	3	0.7	1	2	1	4
Struck by on-track equipment	683	77.9	417	90.1	266	64.3	78	50	91	464
Struck by falling object	2	0.2	1	0.2	1	0.2	-	1	-	1
Struck against object	3	0.3	-	0.0	3	0.7	-	2	-	1
Sudden/unexpected movement of on-track equipment	7	0.8	2	0.4	5	1.2	-	-	-	7
Thrill seeking	9	1.0	3	0.6	6	1.4	-	-	4	5
Caught, crushed, pinched, other	9	1.0	3	0.6	6	1.4	-	-	2	7
On track equipment, other incidents	4	0.5	1	0.2	3	0.7	-	-	-	4
Slipped, fell, stumbled, other	31	3.5	6	1.3	25	6.0	3	7	4	17
Sudden, unexpected movement, other	1	0.1	-	0.0	1	0.2	-	-	-	1
Other (describe in narrative)	18	2.1	7	1.5	11	2.7	4	-	4	10
Total	877	100.0	463	100.0	414	100.0	89	73	125	590

APPENDIX A

ABBREVIATIONS

%	Percent of total
AADT	Average annual daily traffic
Acc	Accident, events reported on form 6180-54 (Chapter 6)
Avg	Average
Chg	Change
Cls	Class
Cnt	Count
Coll	Collision between on-track equipment
Comm	Commuter
Der	Derailment
EOD	Railroad employee on duty
Eqp	Equipment
Exp	Exposure
Ftl	Fatality
HRC	Highway-rail crossing
HWTS	Highway traffic signals
Hmn	Human factor
Incs	Incidents
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

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2000

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
AA - Ann Arbor Railroad	5	-	4	1	-	-	-	-	-	4	-	4
AB - Akron Barberton Cluster Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
ABL - Alameda Belt Line	-	-	-	-	-	-	-	-	-	-	-	-
ACEX - Altamont Commuter Express Authority	4	-	4	-	-	-	-	-	-	4	-	4
ACJR - Ashtubula, Carson & Jefferson Railroad	-	-	-	-	-	-	-	-	-	-	-	-
ACWR - Aberdeen, Carolina & Western Railroad	7	-	2	2	-	-	5	-	2	-	-	-
ADBF - Adrian & Blissfield Railroad	-	-	-	-	-	-	-	-	-	-	-	-
ADCX - Adirondack Scenic Railroad	-	-	-	-	-	-	-	-	-	-	-	-
AERC - Albany & Eastern Railroad Company	2	-	1	-	-	-	1	-	-	1	-	1
AF - Alabama & Florida Railway Company	1	-	-	1	-	-	-	-	-	-	-	-
AFR - Amador Foothills Railroad	-	-	-	-	-	-	-	-	-	-	-	-
AGCR - Alamo Gulf Coast Railroad Company	4	-	4	-	-	-	-	-	-	4	-	4
AGR - Alabama & Gulf Coast Railway LLC	6	-	5	2	-	-	2	-	3	2	-	2
AKDN - Acadiana Railway Company	1	-	1	-	-	-	-	-	-	1	-	1
AKMD - Arkansas Midland Railroad Company, Incorporated	11	-	5	2	-	-	4	-	-	5	-	5
AL - Almanor Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
ALAB - Alabama Railroad Company, Incorporated	3	-	1	2	-	-	-	-	-	1	-	1
ALM - Arkansas Louisiana & Mississippi Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
ALQS - Aliquippa & Southern Railroad Company	2	-	1	1	-	-	-	-	-	1	-	1
ALY - Allegheny And Eastern Railroad	3	-	2	1	-	-	2	-	2	-	-	-
AM - Arkansas & Missouri Railroad Company	23	2	13	-	-	-	11	1	2	12	1	11
AMHR - Amhearst Railroad Industries, Incorporated/Landi	-	-	-	-	-	-	-	-	-	-	-	-
AMIX - Amicor Switching Operation	-	-	-	-	-	-	-	-	-	-	-	-
AN - Apalachicola Northern Railroad Company	2	-	3	-	-	-	-	-	-	2	-	3
ANR - Angelina & Neches River Railroad Company	2	-	1	-	-	-	1	-	-	1	-	1
AOK - Arkansas-Oklahoma Railroad Inc.	-	-	-	-	-	-	-	-	-	-	-	-
APA - Apache Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
APNC - Appanoose County Community Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
APRR - Albany Port Railroad	-	-	-	-	-	-	-	-	-	-	-	-
AR - Aberdeen & Rockfish Railroad Company	8	-	5	-	-	-	5	-	2	3	-	3
ARA - Arcade & Attica Railroad Corporation	-	-	-	-	-	-	-	-	-	-	-	-
ARC - Alexander Railroad Company	2	-	1	-	-	-	2	-	1	-	-	-
ARZC - Arizona & California Railroad Company	3	1	1	1	-	-	-	-	-	2	1	1
ASRY - Ashland Railway Incorporated	4	-	4	-	-	-	-	-	-	4	-	4
ATCX - Austin & Texas Central Railroad	1	-	1	-	-	-	-	-	-	1	-	1
ATLT - Austin, Todd & Ladd Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
ATW - Atlantic & Western Railway, L.P.	-	-	-	-	-	-	-	-	-	-	-	-
AUAR - Austin Area Terminal Railroad	1	-	1	-	-	-	-	-	-	1	-	1
AVR - Allegheny Valley Railroad Company	3	1	-	1	-	-	1	-	-	1	1	-
AVSX - Abilene & Smokey Valley Railroad	1	-	1	-	-	-	-	-	-	1	-	1
AWW - Algers, Winslow & Western Railway Company	1	-	-	1	-	-	-	-	-	-	-	-
AZCR - Arizona Central Railroad, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
AZER - Arizona Eastern Railroad	17	-	9	7	-	-	1	-	-	9	-	9
BAYL - The Bay Line Railroad, L.L.C.	4	-	1	-	-	-	4	-	1	-	-	-
BB - Buckingham Branch Railroad Company	3	-	-	1	-	-	2	-	-	-	-	-
BCLR - Bay Colony Railroad	4	-	3	-	-	-	1	-	-	3	-	3
BCRR - Buckeye Central Scenic Railroad	-	-	-	-	-	-	-	-	-	-	-	-
BDRV - Belvedere & Delaware River Rwy	-	-	-	-	-	-	-	-	-	-	-	-
BDW - Bad Water Line	-	-	-	-	-	-	-	-	-	-	-	-
BHC - Black Hills Central Railroad	-	-	-	-	-	-	-	-	-	-	-	-
BHRX - Bellefonte Historical Railroad Society	-	-	-	-	-	-	-	-	-	-	-	-

Railroad Safety Statistics--Annual Report 2000

Railroads whose employees worked < 400,000 hours

	<u>Total</u>			<u>Train</u>			<u>HRC</u>			<u>Other</u>		
	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>
BJRY - Burlington Junction Railway	-	-	-	-	-	-	-	-	-	-	-	-
BLOL - Bloomer Shippers Connecting Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
BLR - The Blacklands Railroad	-	-	-	-	-	-	-	-	-	-	-	-
BMH - Beaufort & Morehead Railway Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
BML - Belfast & Moosehead Lake Railroad Company	4	-	4	-	-	-	-	-	-	4	-	4
BOP - Border Pacific Railroad	-	-	-	-	-	-	-	-	-	-	-	-
BPRR - Buffalo & Pittsburgh Railroad, Incorporated	9	-	5	2	-	-	2	-	-	5	-	5
BRAN - Brandon Corporation	-	-	-	-	-	-	-	-	-	-	-	-
BRG - Brownsville & Rio Grande International Railroad	5	-	3	1	-	-	1	-	-	3	-	3
BRMI - Bluegrass Railroad Museum, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
BRTR - Blue Rock Transportation Company	-	-	-	-	-	-	-	-	-	-	-	-
BS - Birmingham Southern Railroad Company	11	-	10	-	-	-	2	-	1	9	-	9
BSFX - Big South Fork Scenic Railway	-	-	-	-	-	-	-	-	-	-	-	-
BSOR - Buffalo Southern Railroad, Incorporated	2	-	2	-	-	-	-	-	-	2	-	2
BSV - Boone Scenic Valley	4	-	4	-	-	-	-	-	-	4	-	4
BVRY - Brandywine Valley Railroad Company	1	-	1	-	-	-	-	-	-	1	-	1
BXN - Bauxite & Northern Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
CA - Chesapeake & Albemarle Railroad Company	3	-	-	-	-	-	3	-	-	-	-	-
CAGY - Columbus & Greenville Railway Company	27	-	9	13	-	-	6	-	1	8	-	8
CALA - The Carolina Southern Railroad Company	4	-	-	1	-	-	3	-	-	-	-	-
CASS - Cass Scenic	1	-	1	-	-	-	-	-	-	1	-	1
CBCX - Columbia Business Center	-	-	-	-	-	-	-	-	-	-	-	-
CBGR - Council Bluffs Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
CBL - Conemaugh & Black Lick Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
CBRM - Chillicothe-Brunswick Rail Maintenance Authority	-	-	-	-	-	-	-	-	-	-	-	-
CBRW - Columbia Basin Railroad Company Inc.	8	-	8	-	-	-	-	-	-	8	-	8
CBRY - Copper Basin Railway, Incorporated	1	-	-	1	-	-	-	-	-	-	-	-
CCCX - Cape Cod Central	1	-	1	-	-	-	-	-	-	1	-	1
CCKY - Chattooga & Chickamauga Railroad	1	-	1	-	-	-	-	-	-	1	-	1
CCPN - Corpus Christi Terminal Railroad Inc.	1	-	-	1	-	-	-	-	-	-	-	-
CCRA - Camp Chase Industrial Railroad Corp	2	-	-	2	-	-	-	-	-	-	-	-
CCRR - Claremont Concord Railroad Corporation	2	-	3	-	-	-	-	-	-	2	-	3
CCT - Central California Traction Company	5	-	4	1	-	-	-	-	-	4	-	4
CCUO - Chicago-Chemung Railroad Corporation	-	-	-	-	-	-	-	-	-	-	-	-
CDAC - Canadian American Railroad Company	15	1	12	2	-	-	2	1	1	11	-	11
CDOT - Connecticut Department Of Transportation	2	-	2	-	-	-	-	-	-	2	-	2
CEIW - Central Indiana & Western Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
CERA - Central Railroad Company Of Indianapolis	1	-	-	-	-	-	1	-	-	-	-	-
CF - Cape Fear Railways, Incorporated	1	-	1	-	-	-	-	-	-	1	-	1
CFNR - California Northern Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
CFWR - Caney Fork & Western Railroad	1	-	-	-	-	-	1	-	-	-	-	-
CGBX - Consolidated Grain & Barge Company	1	-	-	-	-	-	1	-	-	-	-	-
CHR - Chestnut Ridge Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
CIC - Cedar Rapids & Iowa City Railway Company	10	-	6	2	-	-	2	-	-	6	-	6
CIND - Central Railroad Company Of Indiana	1	-	1	-	-	-	-	-	-	1	-	1
CIRR - Chattahoochee Industrial Railroad	2	1	1	1	1	-	-	-	-	1	-	1
CKP - Colorado Kansas and Pacific	-	-	-	-	-	-	-	-	-	-	-	-
CKRY - Central Kansas Railway, Incorporated	29	1	11	14	-	-	3	-	-	12	1	11
CKSI - Carthage, Knightstown & Shirley Railroad	-	-	-	-	-	-	-	-	-	-	-	-
CLC - Columbia & Cowlitz Railway Company	2	-	3	-	-	-	-	-	-	2	-	3
CLNA - Carolina Coastal Railway, Incorporated	1	-	-	1	-	-	-	-	-	-	-	-
CLP - Clarendon & Pittsford Railroad Company	2	-	1	1	-	-	-	-	-	1	-	1
CM - Central Montana Railroad	2	-	2	-	-	-	-	-	-	2	-	2
CMC - CMC Railroad Incorporated	3	-	2	1	-	-	-	-	-	2	-	2
CMGN - Central Michigan Railway Company	12	1	9	1	-	-	4	1	2	7	-	7
CMPA - Madison Railroad Division	-	-	-	-	-	-	-	-	-	-	-	-
CMRR - Catskill Mountain Railroad	-	-	-	-	-	-	-	-	-	-	-	-

Railroad Safety Statistics-Annual Report 2000

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CMRX - Coopersville & Marne Railroad	-	-	-	-	-	-	-	-	-	-	-	-
CMSX - Cape May Seashore Lines, Inc.	1	-	-	-	-	-	1	-	-	-	-	-
CNUR - C & NC Railroad Corporation	3	-	-	-	-	-	3	-	-	-	-	-
COER - Crab Orchard & Egyptian Railroad	1	-	1	-	-	-	-	-	-	1	-	1
CONW - Conway Scenic Railroad	8	-	8	-	-	-	-	-	-	8	-	8
COP - City Of Prineville Railway	1	-	1	-	-	-	1	-	1	-	-	-
CORP - Central Oregon & Pacific Railroad, Inc.	9	-	3	3	-	-	4	-	1	2	-	2
CRCX - Cornhusker Rail Car Services, Inc.	-	-	-	-	-	-	-	-	-	-	-	-
CRIJ - Carolina Rail Services Company	-	-	-	-	-	-	-	-	-	-	-	-
CRL - Chicago Rail Link	5	-	4	1	-	-	-	-	-	4	-	4
CRLE - Coe Rail Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
CRRX - Canon City And Royal Gorge Railroad, LLC	2	-	2	-	-	-	-	-	-	2	-	2
CSCD - Cascade & Columbia River Railroad	-	-	-	-	-	-	-	-	-	-	-	-
CSIX - Coe Sun, Incorporated	2	-	29	1	-	28	-	-	-	1	-	1
CSKR - C&S Railroad Corporation	-	-	-	-	-	-	-	-	-	-	-	-
CSL - Chicago Short Line Railway Company	2	-	2	-	-	-	-	-	-	2	-	2
CSO - Connecticut Southern Railroad Incorporated	2	-	2	-	-	-	-	-	-	2	-	2
CSP - Camas Prairie Railnet Incorporated	5	-	2	2	-	-	1	-	-	2	-	2
CSRM - California State Railroad Museum	-	-	-	-	-	-	-	-	-	-	-	-
CSRX - Corydon 1883 Scenic Railroad	-	-	-	-	-	-	-	-	-	-	-	-
CT - Columbia Terminal Railroad Company	1	-	-	-	-	-	1	-	-	-	-	-
CTN - Canton Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
CTR - Clinton Terminal Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
CTRN - Central Of TN RWY & Navigation CO	-	-	-	-	-	-	-	-	-	-	-	-
CTSR - Cumbres & Toltec Scenic Railroad	17	-	17	-	-	-	-	-	-	17	-	17
CUOH - Columbus & Ohio River Railroad	-	-	-	-	-	-	-	-	-	-	-	-
CUVA - Cuyahoga Valley Railway Company	4	-	3	1	-	-	-	-	-	3	-	3
CVR - Cimarron Valley Railroad L C	4	-	3	1	-	-	-	-	-	3	-	3
CVSX - Cuyahoga Valley Scenic Railway	-	-	-	-	-	-	-	-	-	-	-	-
CVYR - Caddo Valley Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
CW - Colorado & Wyoming Railway Company	6	-	6	-	-	-	-	-	-	6	-	6
CWCY - Caldwell County Railroad Co.	-	-	-	-	-	-	-	-	-	-	-	-
CWR - California Western Railroad	14	-	14	-	-	-	-	-	-	14	-	14
CWRY - Commonwealth Railway, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
DAIR - D & I Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
DAKR - Dakota Railroad	-	-	-	-	-	-	-	-	-	-	-	-
DC - Delray Connecting Railroad Company	15	-	14	2	-	1	-	-	-	13	-	13
DCRR - Dubois County Railroad	-	-	-	-	-	-	-	-	-	-	-	-
DGNO - Dallas, Garland & Northeastern Railroad	18	-	4	3	-	-	12	-	1	3	-	3
DL - Delaware Lackawanna Railroad (replaces LVAL,LRWY)	-	-	-	-	-	-	-	-	-	-	-	-
DLWR - Depew, Lancaster & Western Railroad Company, Inc.	-	-	-	-	-	-	-	-	-	-	-	-
DMVW - Dakota, Missouri Valley & Western Railroad, Inc.	21	-	14	7	-	-	-	-	-	14	-	14
DNE - Duluth & Northeastern Railroad Company	1	-	1	-	-	-	-	-	-	1	-	1
DQE - DeQueen & Eastern Railroad Company	1	-	-	-	-	-	1	-	-	-	-	-
DR - Dardanelle & Russellville Railroad	-	-	-	-	-	-	-	-	-	-	-	-
DRIR - Denver Rock Island Railroad	-	-	-	-	-	-	-	-	-	-	-	-
DSNG - Durango & Silverton Narrow Gauge Railroad Company	24	-	24	-	-	-	-	-	-	24	-	24
DSRC - Dakota Southern Railway Company	1	2	5	-	-	-	-	-	-	1	2	5
DSRR - Delta Southern Railroad Company	1	-	1	-	-	-	-	-	-	1	-	1
DT - Decatur Junction Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
DURR - Delaware & Ulster Rail Ride	-	-	-	-	-	-	-	-	-	-	-	-
DVS - Delta Valley & Southern Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
EACH - East Camden & Highland Railroad Company	4	-	3	1	-	-	-	-	-	3	-	3
EARY - Eastern Alabama Railway Company	1	-	-	1	-	-	-	-	-	-	-	-
ECBR - East Cooper & Berkeley Railroad	-	-	-	-	-	-	-	-	-	-	-	-
EDW - El Dorado & Wesson Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
EEC - East Erie Commercial Railroad	-	-	-	-	-	-	-	-	-	-	-	-

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EERZ - Ellis & Eastern Company (use EE)	1	-	-	-	-	-	1	-	-	-	-	-
EFRR - Effingham Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
EIRC - Eastern Illinois Railroad Company	2	-	2	-	-	-	-	-	-	2	-	2
EIRR - Eastern Idaho Railroad	9	-	6	3	-	-	-	-	-	6	-	6
EJR - East Jersey Railroad & Terminal Company	1	-	1	-	-	-	-	-	-	1	-	1
EKNA - Eureka Springs & North Arkansas Railroad	-	-	-	-	-	-	-	-	-	-	-	-
ELKR - Elk River Railroad, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
ELS - Escanaba & Lake Superior Railroad Company	21	-	17	2	-	-	5	-	3	14	-	14
EMRY - Eastern Maine Railroad Company (former Code EMRX)	3	-	3	-	-	-	-	-	-	3	-	3
ESHR - Eastern Shore Railroad Incorporated	5	-	5	1	-	-	-	-	-	4	-	5
ETC - East Texas Central Railroad	-	-	-	-	-	-	-	-	-	-	-	-
ETRY - East Tennessee Railway, L.P.	-	-	-	-	-	-	-	-	-	-	-	-
EV - Everett Railroad Company	3	-	5	-	-	-	-	-	-	3	-	5
EVT - Evansville Terminal Company Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
FCEN - Florida Central Railroad Company	5	-	5	-	-	-	2	-	2	3	-	3
FEVR - Freemont & Elkhorn Valley Railroad	-	-	-	-	-	-	-	-	-	-	-	-
FGLK - Finger Lakes Railway Corporation	4	-	3	-	-	-	1	-	-	3	-	3
FIR - Flats Industrial Railroad (former code FIRS)	-	-	-	-	-	-	-	-	-	-	-	-
FMID - Florida Midland Railroad Company, Incorporated	1	-	1	-	-	-	1	-	1	-	-	-
FMRC - Farmrail Corporation	2	-	-	2	-	-	-	-	-	-	-	-
FMWX - Fillmore And Western	-	-	-	-	-	-	-	-	-	-	-	-
FNOR - Florida Northern Railroad Company, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
FP - Fordyce & Princeton Railroad Company	1	-	1	-	-	-	-	-	-	1	-	1
FRR - Falls Road Railroad Company Incorporated	2	1	1	-	-	-	1	1	-	1	-	1
FSR - Fort Smith Railroad Company	5	-	3	-	-	-	2	-	-	3	-	3
FWCR - Florida West Coast Railway	-	-	-	-	-	-	-	-	-	-	-	-
FWPP - Fremont, West Point & Pacific Railway	-	-	-	-	-	-	-	-	-	-	-	-
FWWR - Fort Worth & Western Railroad	13	-	8	3	-	1	5	-	2	5	-	5
GBRY - Gettysburg Railroad Company (former Code GETY)	-	-	-	-	-	-	-	-	-	-	-	-
GC - Georgia Central Railway, L.P.	4	-	3	1	-	1	1	-	-	2	-	2
GCRX - Grand Canyon Railway	28	-	28	-	-	-	-	-	-	28	-	28
GCSR - Gulf, Colorado San Saba Railway Corporation	1	-	1	-	-	-	-	-	-	1	-	1
GCW - Garden City Western Railway Company	2	-	2	-	-	-	-	-	-	2	-	2
GFRR - Georgia & Florida Railnet (formerly G&F RR Co Inc.)	10	-	4	4	-	-	2	-	-	4	-	4
GITM - Golden Isles Terminal Railroad, Inc.	1	-	-	1	-	-	-	-	-	-	-	-
GLSR - Gloster Southern Railroad	1	-	1	-	-	-	-	-	-	1	-	1
GMRC - Green Mountain Railroad Corporation	2	-	2	-	-	-	-	-	-	2	-	2
GMRY - Great Miami & Scioto Railway Company	1	-	2	-	-	-	1	-	2	-	-	-
GNBC - Grainbelt Corporation	9	-	3	4	-	-	2	-	-	3	-	3
GNRR - Georgia Northeastern Railroad Company	3	-	2	-	-	-	1	-	-	2	-	2
GR - Grand Rapids Eastern Railroad Incorporated	1	-	-	-	-	-	1	-	-	-	-	-
GRR - Georgetown Railroad Company	3	-	3	-	-	-	-	-	-	3	-	3
GRWR - Great Walton Railroad Company	2	-	2	-	-	-	-	-	-	2	-	2
GSM - The Great Smoky Mountains Railway	-	-	-	-	-	-	-	-	-	-	-	-
GSRX - Gettysburg Scenic Rail Tour	-	-	-	-	-	-	-	-	-	-	-	-
GSWR - Georgia Southwestern Railroad Division	1	-	1	-	-	-	-	-	-	1	-	1
GTR - Great River Railroad	-	-	-	-	-	-	-	-	-	-	-	-
GTRA - Golden Triangle Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
GU - Grafton & Upton Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
GVSR - Galveston Railroad, L.P.	6	-	3	1	-	-	2	-	-	3	-	3
GWR - Great Western Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
GWRC - Georgia Woodlands Railroad	-	-	-	-	-	-	-	-	-	-	-	-
GWWE - Gateway Eastern Railroad Company	3	-	1	2	-	-	-	-	-	1	-	1
HB - Hampton & Branchville Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
HCRR - Honey Creek Railroad, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
HE - Hollis & Eastern Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
HESR - Huron & Eastern Railway	5	1	4	-	-	-	1	1	-	4	-	4

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HMCR - Huntsville & Madison County Railroad Authority	-	-	-	-	-	-	-	-	-	-	-	-
HN - Hutchinson & Northern Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
HOG - Heart of Georgia Railroad, Inc.	-	-	-	-	-	-	-	-	-	-	-	-
HOS - Hoosier Southern Railroad	2	-	2	-	-	-	-	-	-	2	-	2
HPTD - High Point, Thomasville & Denton Railroad Compan	-	-	-	-	-	-	-	-	-	-	-	-
HRRC - Housatonic Railroad Company, Incorporated	6	-	5	-	-	-	1	-	-	5	-	5
HRSX - Hawaiian Railway Society	-	-	-	-	-	-	-	-	-	-	-	-
HRT - Hartwell Railroad Company	2	-	1	1	-	-	-	-	-	1	-	1
HS - H & S Railroad Company, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
HSRR - Hardin Southern Railroad, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
HVRX - Heber Valley Railroad Utah	3	-	3	-	-	-	-	-	-	3	-	3
IAIS - Iowa Interstate Railroad	27	-	12	5	-	-	12	-	2	10	-	10
IANR - Iowa Northern Railway Company	13	-	5	7	-	-	2	-	1	4	-	4
IATR - Iowa Traction Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
ICRK - Indian Creek Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
ILW - Illinois Western Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
IMRR - Illinois & Midland Railroad Inc.	3	-	2	1	-	-	-	-	-	2	-	2
IN - Indiana Northeastern Railroad Company, Incorporated	2	-	3	-	-	-	1	-	2	1	-	1
INPR - Idaho Northern & Pacific Railroad Company	13	-	10	-	-	-	3	-	-	10	-	10
INRD - Indiana Rail Road Company	15	1	6	5	-	-	5	1	-	5	-	6
IOCR - Indiana & Ohio Central Railroad, Incorporated	6	-	4	2	-	-	3	-	3	1	-	1
IORX - Indiana & Ohio Rail Passenger	1	-	-	-	-	-	1	-	-	-	-	-
IORY - Indiana & Ohio Railway	13	-	7	4	-	-	3	-	1	6	-	6
IR - Illinois Railnet Incorporated	1	-	1	-	-	-	1	-	1	-	-	-
IRM - Indiana Railway Museum	-	-	-	-	-	-	-	-	-	-	-	-
IRYM - Illinois Railway Museum	-	-	-	-	-	-	-	-	-	-	-	-
ISRR - Indiana Southern Railroad Company, Incorporated	2	1	1	-	-	-	-	-	-	2	1	1
ISSR - Iss Rail, Inc.	-	-	-	-	-	-	-	-	-	-	-	-
ISW - Indiana Southwestern Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
ITMZ - Indiana Transportation Museum	2	-	-	2	-	-	-	-	-	-	-	-
JEFW - Jefferson Warrior Railroad	2	-	2	-	-	-	-	-	-	2	-	2
JERX - Joppa & Eastern Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
JVRR - Juniata Valley Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
KBSR - Kankakee, Beaverville & Southern Railroad Company	1	-	-	1	-	-	-	-	-	-	-	-
KCT - Kansas City Terminal Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
KJR - Kiski Junction Railroad	-	-	-	-	-	-	-	-	-	-	-	-
KJRY - Keokuk Junction Railway	1	-	1	-	-	-	-	-	-	1	-	1
KKRR - Knox & Kane Railroad Company	1	-	1	-	-	-	1	-	1	-	-	-
KMRY - Kettle Moraine Railway	-	-	-	-	-	-	-	-	-	-	-	-
KNOR - Klamath Northern Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
KRM - Kentucky Railway Museum	-	-	-	-	-	-	-	-	-	-	-	-
KRR - Kiamichi Railroad Company LLC	10	-	2	3	-	-	5	-	-	2	-	2
KSW - Kansas Southwestern Railway	1	-	-	1	-	-	-	-	-	-	-	-
KT - Kentucky & Tennessee Railway	-	-	-	-	-	-	-	-	-	-	-	-
KWT - K.W.T. Railway, Incorporated	1	-	-	-	-	-	1	-	-	-	-	-
KXHR - Knoxville & Holston River Railroad Company, Inc.	1	-	-	-	-	-	1	-	-	-	-	-
KYLE - Kyle Railroad Company	14	1	6	3	-	-	5	1	-	6	-	6
LAJ - Los Angeles Junction Railway Company	10	-	9	1	-	-	-	-	-	9	-	9
LAL - Livonia, Avon & Lakeville Railroad Corporation	-	-	-	-	-	-	-	-	-	-	-	-
LBR - Lowville & Beaver River Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
LC - Lancaster & Chester Railway Company	1	-	-	1	-	-	-	-	-	-	-	-
LCR - Lake County Railroad	-	-	-	-	-	-	-	-	-	-	-	-
LCSR - Leadville, Colorado & Southern Railroad, Company	-	-	-	-	-	-	-	-	-	-	-	-
LDRR - Louisiana & Delta Railroad	5	-	3	-	-	-	2	-	-	3	-	3
LER - Logansport & Eel River Short Line Co., Inc.	-	-	-	-	-	-	-	-	-	-	-	-
LFIZ - Litchfield Industrial Railroad	-	-	-	-	-	-	-	-	-	-	-	-
LINC - Lewis & Clark Railroad Company	1	-	1	-	-	-	-	-	-	1	-	1

Railroad Safety Statistics--Annual Report 2000

Railroads whose employees worked < 400,000 hours

	<u>Total</u>			<u>Train</u>			<u>HRC</u>			<u>Other</u>		
	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>
LIRC - Louisville & Indiana Railroad Company	10	-	3	-	-	-	7	-	-	3	-	3
LKRR - Little Kanawha River Rail	-	-	-	-	-	-	-	-	-	-	-	-
LNAL - Louisville, New Albany & Corydon Railroad	-	-	-	-	-	-	-	-	-	-	-	-
LNO - Laona & Northern Railway	-	-	-	-	-	-	-	-	-	-	-	-
LNW - Louisiana & North West Railroad Company	6	-	4	1	-	-	1	-	-	4	-	4
LRPA - Little Rock Port Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
LRR - Little River Railroad (ceased Operations in 1995)	-	-	-	-	-	-	-	-	-	-	-	-
LRS - Laurinburg & Southern Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
LRWN - Little Rock & Western Railway, L.P.	2	-	-	2	-	-	-	-	-	-	-	-
LS - Longview Switching	3	-	1	2	-	-	-	-	-	1	-	1
LSI - Lake Superior & Ishpeming Railroad Company	13	-	11	2	-	-	-	-	-	11	-	11
LSMR - Lake Superior & Mississippi Railroad	-	-	-	-	-	-	-	-	-	-	-	-
LSMT - Lake Superior Museum Of Transportation	-	-	-	-	-	-	-	-	-	-	-	-
LSRC - Lake State Railway Company	22	-	16	6	-	-	1	-	1	15	-	15
LSRX - Lake Shore Railway	-	-	-	-	-	-	-	-	-	-	-	-
LSX - Luzerene & Susquehanna Rwy Co.	-	-	-	-	-	-	-	-	-	-	-	-
LT - Lake Terminal Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
LVRR - Lycoming Valley Railroad Company	2	-	1	-	-	-	1	-	-	1	-	1
LW - Louisville & Wadley Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
LXOH - Lexington & Ohio Railroad Company Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
LXVR - Luxapalila Valley Railroad Incorporated	3	-	3	-	-	-	-	-	-	3	-	3
MAA - Magma Arizona Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
MAUP - Port Of Manatee	-	-	-	-	-	-	-	-	-	-	-	-
MAW - Maumee & Western Railroad Corporation	2	-	1	1	-	-	1	-	1	-	-	-
MC - Maine Coast Railroad Corporation	2	-	-	-	-	-	2	-	-	-	-	-
MCER - Massachusetts Central Railroad Corporation	-	-	-	-	-	-	-	-	-	-	-	-
MCR - Mccloud Railway Company	1	-	1	-	-	-	-	-	-	1	-	1
MCRR - Monongahela Connecting Railroad Company	1	-	-	1	-	-	-	-	-	-	-	-
MCRY - Mid-Continent Railway	-	-	-	-	-	-	-	-	-	-	-	-
MCSA - Moscow, Camden & San Augustine Railroad	-	-	-	-	-	-	-	-	-	-	-	-
MCTA - Minnesota Central Railroad Company	1	-	-	1	-	-	-	-	-	-	-	-
MDDE - Maryland & Delaware Railroad Company	5	-	3	1	-	-	1	-	-	3	-	3
MDLR - Midland Terminal Company	5	-	5	-	-	-	-	-	-	5	-	5
MDRY - Midlands Railway	-	-	-	-	-	-	-	-	-	-	-	-
MDS - Meridian Southern Railway LLC	1	-	1	-	-	-	-	-	-	1	-	1
MDTX - Mount Dora, Tavares, Eustis Railroad	1	-	-	-	-	-	1	-	-	-	-	-
MDW - Minnesota, Dakota & Western Railway Company	4	-	3	1	-	-	-	-	-	3	-	3
ME - Morristown & Erie Railway, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
MET - Modesto & Empire Traction Company	5	-	5	-	-	-	-	-	-	5	-	5
METW - Municipality Of East Troy	-	-	-	-	-	-	-	-	-	-	-	-
MH - Mount Hood Railway Company	1	-	1	-	-	-	-	-	-	1	-	1
MHWA - Mohawk, Adirondack & Northern Railroad Corporati	4	-	3	-	-	-	1	-	-	3	-	3
MIDH - Middletown & Hummelstown Railroad Company	2	-	2	-	-	-	-	-	-	2	-	2
MJ - Manufacturers' Junction Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
MKC - Mckeesport Connecting Railroad Company	1	-	1	-	-	-	-	-	-	1	-	1
MMID - Maryland Midland Railway, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
MMR - Minnesota & Manitoba Railroad	1	-	-	-	-	-	1	-	-	-	-	-
MMRR - Mid-Michigan Railroad Company	1	-	-	1	-	-	-	-	-	-	-	-
MNA - Missouri & Northern Arkansas Railroad Company, Inc.	10	-	9	3	-	3	3	-	2	4	-	4
MNBR - M & B Railroad LLC	3	-	2	1	-	-	-	-	-	2	-	2
MNJ - Middletown & New Jersey Railway Company, Inc.	-	-	-	-	-	-	-	-	-	-	-	-
MNN - Minnesota Northern Railroad Incorporated	4	-	1	2	-	-	1	-	-	1	-	1
MNNR - Minnesota Commercial Railway	40	-	29	7	-	-	5	-	-	28	-	29
MNTM - Minnesota Transportation Museum	-	-	-	-	-	-	-	-	-	-	-	-
MOC - Missouri Central Railroad	2	-	1	-	-	-	1	-	-	1	-	1
MPP - Manitou & Pike's Peak Railroad Company	6	-	6	-	-	-	-	-	-	6	-	6
MRMZ - Monticello Railway Museum	-	-	-	-	-	-	-	-	-	-	-	-

Railroad Safety Statistics--Annual Report 2000

Railroads whose employees worked < 400,000 hours

	<u>Total</u>			<u>Train Accidents</u>			<u>HRC Incidents</u>			<u>Other Incidents</u>		
	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>
MRS - Manufacturers' Railway Company	4	-	4	-	-	-	-	-	-	4	-	4
MS - Michigan Shore Railroad	-	-	-	-	-	-	-	-	-	-	-	-
MSCI - Mississippi Central Railroad Company	4	-	6	-	-	-	-	-	-	4	-	6
MSDR - Mississippi Delta Railroad	1	-	1	-	-	-	-	-	-	1	-	1
MSE - Mississippi Export Railroad Company	8	-	9	-	-	-	1	-	2	7	-	7
MSO - Michigan Southern Railroad Company, Incorporated	4	-	4	-	-	-	-	-	-	4	-	4
MSRW - Mississippian Railway Cooperative, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
MSTP - Michigan State Trust For Railway Preservation	-	-	-	-	-	-	-	-	-	-	-	-
MSTR - Massena Terminal Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
MSV - Mississippi & Skuna Valley Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
MT - Mississippi & Tennessee Railnet Railroad	5	-	-	1	-	-	4	-	-	-	-	-
MVRY - Mahoning Valley Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
MVT - Mount Vernon Terminal Railway, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
MWRR - Montana Western Railway Company	5	-	5	-	-	-	-	-	-	5	-	5
MZL - Minnesota Zephyr, Limited	-	-	-	-	-	-	-	-	-	-	-	-
NBER - Nittany & Bald Eagle	4	-	2	1	-	-	1	-	-	2	-	2
NCMX - N C Transportation Museum Foundation	1	-	1	-	-	-	-	-	-	1	-	1
NCRC - Nebraska Central Railroad	2	-	2	-	-	-	-	-	-	2	-	2
NCRY - Northern Central Railway Incorporated	1	-	1	-	-	-	-	-	-	1	-	1
NCVA - North Carolina & Virginia Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
NCYR - Nash County Railroad	-	-	-	-	-	-	-	-	-	-	-	-
NECR - New England Central Railroad	8	-	5	3	-	-	-	-	-	5	-	5
NEGS - New England Southern Railroad Company, Inc.	-	-	-	-	-	-	-	-	-	-	-	-
NENE - Nebraska Northeastern Railway Company	2	-	1	1	-	-	-	-	-	1	-	1
NERR - Nashville & Eastern Railroad	4	-	2	1	-	-	1	-	-	2	-	2
NHCR - New Hampshire Central Railroad, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
NHN - New Hampshire North Coast Railroad	-	-	-	-	-	-	-	-	-	-	-	-
NHRR - New Hope & Ivyland Rail Road	-	-	-	-	-	-	-	-	-	-	-	-
NHVT - New Hampshire & Vermont Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
NICX - Niles Canyon Railway	-	-	-	-	-	-	-	-	-	-	-	-
NKCR - Nebraska, Kansas, Colorado Railnet	4	-	-	3	-	-	1	-	-	-	-	-
NNRX - Nevada Northern Railway	1	-	1	-	-	-	-	-	-	1	-	1
NOGC - New Orleans & Gulf Coast Railway Company Inc.	1	-	1	-	-	-	-	-	-	1	-	1
NOKL - Northwestern Oklahoma Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
NOPB - New Orleans Public Belt Railroad	27	-	21	6	-	2	2	-	-	19	-	19
NOW - Northern Ohio & Western Railway, LTD.	1	-	-	-	-	-	1	-	-	-	-	-
NPB - Norfolk & Portsmouth Belt Line Railroad Company	5	-	3	1	-	-	1	-	-	3	-	3
NPR - Northern Plains Railroad, Inc.	2	-	1	1	-	-	-	-	-	1	-	1
NRI - Nebkota Railway, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
NRR - Nobles Rock Railroad (former Code NRRX)	4	-	2	2	-	-	-	-	-	2	-	2
NSHR - North Shore Railroad	-	-	-	-	-	-	-	-	-	-	-	-
NSR - Newburgh & South Shore Railroad	-	-	-	-	-	-	-	-	-	-	-	-
NSSR - North Shore Scenic Railroad	3	-	3	-	-	-	-	-	-	3	-	3
NTRY - Nimishillen & Tuscarawas, LLC	6	-	6	-	-	-	-	-	-	6	-	6
NVRR - Napa Valley Railroad	23	-	22	-	-	-	1	-	-	22	-	22
NWR - Nashville & Western Railroad Corporation	2	-	-	1	-	-	1	-	-	-	-	-
NYA - New York & Atlantic Railway Company	5	-	5	-	-	-	-	-	-	5	-	5
NYCH - New York Cross Harbor Railroad Terminal Corporat	-	-	-	-	-	-	-	-	-	-	-	-
NYLE - New York & Lake Erie	1	-	1	-	-	-	-	-	-	1	-	1
NYOG - New York & Ogdensburg Railway Company Inc.	-	-	-	-	-	-	-	-	-	-	-	-
NYSW - New York, Susquehanna & Western Railroad Company	13	-	5	5	-	-	3	-	-	5	-	5
OAR - Old Augusta Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
OCTL - Oil Creek & Titusville Lines	2	-	2	-	-	-	-	-	-	2	-	2
OERR - Oregon Eastern Railroad	-	-	-	-	-	-	-	-	-	-	-	-
OGEE - Ogeechee Railway Company	3	-	3	-	-	-	-	-	-	3	-	3
OHCR - Ohio Central Railroad Company	1	-	-	-	-	-	1	-	-	-	-	-
OHIC - Ohi Rail Corporation	1	-	1	-	-	-	-	-	-	1	-	1

Railroad Safety Statistics--Annual Report 2000

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	<u>Total</u>			<u>Train</u>			<u>HRC</u>			<u>Other</u>		
	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>
OHPA - Ohio & Pennsylvania Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
OHRY - Owego & Harford Railway, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
OLB - Omaha, Lincoln & Beatrice Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
OMID - Ontario Midland Railroad Corporation	-	-	-	-	-	-	-	-	-	-	-	-
OMTX - OmniTrax Switching Services	-	-	-	-	-	-	-	-	-	-	-	-
ONCT - Ontario Central Railroad Corporation	-	-	-	-	-	-	-	-	-	-	-	-
OSRR - Ohio Southern Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
OTR - Oakland Terminal Railway	-	-	-	-	-	-	-	-	-	-	-	-
OTVR - Otter Tail Valley Railroad Company, Incorporated	1	-	1	-	-	-	-	-	-	1	-	1
OUCH - Ouachita Railroad	-	-	-	-	-	-	-	-	-	-	-	-
PAM - Pittsburgh, Allegheny & McKees Rocks Railroad	-	-	-	-	-	-	-	-	-	-	-	-
PARN - Pacific & Arctic Railroad & Navigation Company	33	1	32	-	-	-	-	-	-	33	1	32
PBNE - Philadelphia, Bethlehem & New England Railroad	-	-	-	-	-	-	-	-	-	-	-	-
PBR - Patapsco & Back Rivers Railroad Company	3	-	1	2	-	-	-	-	-	1	-	1
PBRR - Pine Belt Southern RR	-	-	-	-	-	-	-	-	-	-	-	-
PBVR - Port Bienville Railroad	-	-	-	-	-	-	-	-	-	-	-	-
PCC - Palouse River & Coulee City Railroad Inc.	1	-	1	-	-	-	-	-	-	1	-	1
PCDX - The Pittsburgh & Conneaut Dock Company	1	-	-	1	-	-	-	-	-	-	-	-
PCN - Point Comfort & Northern Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
PEX - Potomac Eagle Scenic Rail Excursion	-	-	-	-	-	-	-	-	-	-	-	-
PHL - Pacific Harbor Line Incorporated	16	-	10	5	-	-	1	-	-	10	-	10
PI - Paducah & Illinois Railroad Company	1	-	-	1	-	-	-	-	-	-	-	-
PICK - Pickens Railway Company	2	-	-	-	-	-	2	-	-	-	-	-
PIR - Pittsburgh Industrial Railroad Incorporated	2	-	1	1	-	-	-	-	-	1	-	1
PJRL - Penn Jersey Rail Lines Inc.	-	-	-	-	-	-	-	-	-	-	-	-
PLL - Plymouth & Lincoln	1	-	-	-	-	-	1	-	-	-	-	-
PNR - Panhandle Northern Railroad Company	1	-	-	-	-	-	1	-	-	-	-	-
PNW - Prescott & Northwestern Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
PNWR - Portland & Western Railroad, Inc.	14	-	6	3	-	-	8	-	3	3	-	3
POCA - Port Of Catoosa Terminal Railroad	1	-	1	1	-	1	-	-	-	-	-	-
POTB - Port Of Tillamook Bay Railroad	2	-	-	2	-	-	-	-	-	-	-	-
POVA - Pend Oreille Valley Railroad, Incorporated	5	-	5	-	-	-	-	-	-	5	-	5
PPBD - Port Of Palm Beach Terminal	-	-	-	-	-	-	-	-	-	-	-	-
PPHW - Peoria, Peoria Heights & Western Railroad	-	-	-	-	-	-	-	-	-	-	-	-
PPU - Peoria & Pekin Union Railway Company	16	-	9	7	-	-	-	-	-	9	-	9
PRL - Penn Eastern Rail Lines Incorporated	2	-	-	-	-	-	2	-	-	-	-	-
PRT - Parr Terminal Railroad	-	-	-	-	-	-	-	-	-	-	-	-
PRV - Pearl River Valley Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
PRY - Pioneer Industrial Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
PRYL - Port Royal Railroad	1	-	1	-	-	-	-	-	-	1	-	1
PS - Pittsburg & Shawmut Railroad Company	1	-	1	-	-	-	-	-	-	1	-	1
PSAP - Puget Sound & Pacific Railroad Company	4	-	3	-	-	-	1	-	-	3	-	3
PSRM - Pacific SW Railway Museum (San Diego RR Museum)	1	-	1	-	-	-	-	-	-	1	-	1
PT - Peninsula Terminal Company	-	-	-	-	-	-	-	-	-	-	-	-
PTO - Portland Terminal (Oregon)	11	-	6	3	-	-	2	-	-	6	-	6
PTR - Port Terminal Railroad Of South Carolina	-	-	-	-	-	-	-	-	-	-	-	-
PUCC - Port Utilities Commission Of Charleston, S.C.	-	-	-	-	-	-	-	-	-	-	-	-
PVRR - Pioneer Valley Railroad Company, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
PVS - Pecos Valley Southern Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
PW - Providence & Worcester Railroad Company	19	1	12	6	-	-	1	1	-	12	-	12
QBT - Quincy Bay Terminal Company	-	-	-	-	-	-	-	-	-	-	-	-
QRR - Quincy Railroad Company	1	-	-	1	-	-	-	-	-	-	-	-
RARW - Rarus Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
RASX - Rail Serve	1	-	-	1	-	-	-	-	-	-	-	-
RBMN - Reading Blue Mountain & Northern Railroad Commission	3	-	2	1	-	-	-	-	-	2	-	2
RJCP - R. J. Corman Railroad Company/Pennsylvania Lines	2	-	-	-	-	-	2	-	-	-	-	-
RJCR - R. J. Corman Railroad	1	-	-	-	-	-	1	-	-	-	-	-

Railroad Safety Statistics-Annual Report 2000

Railroads whose employees worked < 400,000 hours

	<u>Total</u>			<u>Train Accidents</u>			<u>HRC Incidents</u>			<u>Other Incidents</u>		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
RJCW - R. J. Corman, Western Ohio Line	2	1	-	-	-	-	1	-	-	1	1	-
RRC - Redmont Railway Company, Inc.	-	-	-	-	-	-	-	-	-	-	-	-
RRRR - Rock & Rail Inc	-	-	-	-	-	-	-	-	-	-	-	-
RRVW - Red River Valley & Western Railroad	18	-	14	4	-	-	-	-	-	14	-	14
RSIX - Rail Switching L.L.C.	-	-	-	-	-	-	-	-	-	-	-	-
RSM - Railroad Switching Service Of Missouri, Inc.	-	-	-	-	-	-	-	-	-	-	-	-
RSR - Rochester Southern Railroad, Incorporated	3	-	-	3	-	-	-	-	-	-	-	-
RSS - Rockdale, Sandow & Southern Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
RT - River Terminal Railway Company	20	-	10	6	-	-	4	-	-	10	-	10
RTI - Rail Tours, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
RTRX - Railtown 1897 Railroad	-	-	-	-	-	-	-	-	-	-	-	-
RVSC - Rio Valley Switching Company	7	-	4	2	-	-	1	-	-	4	-	4
SAN - Sandersville Railroad Company	3	-	3	-	-	-	1	-	1	2	-	2
SAPT - Savannah Port Terminal Railroad, Inc.	1	-	-	-	-	-	1	-	-	-	-	-
SB - South Buffalo Railway Company	13	-	4	9	-	-	-	-	-	4	-	4
SBNX - Saracuse Binghampton and New York Railroad	1	-	1	-	-	-	-	-	-	1	-	1
SBRR - Stourbridge Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
SBVR - South Branch Valley Railroad	1	-	-	1	-	-	-	-	-	-	-	-
SCBG - Santa Cruz, Big Tree & Pacific Railroad	-	-	-	-	-	-	-	-	-	-	-	-
SCRF - South Carolina Central Railroad Company, Inc.	10	-	2	3	-	1	6	-	-	1	-	1
SCTR - SCTRR, LLC	1	-	1	-	-	-	-	-	-	1	-	1
SCXF - South Central Florida Express, Inc.	12	-	11	2	-	2	2	-	1	8	-	8
SCXY - St. Croix Valley Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
SDIY - San Diego & Imperial Valley	-	-	-	-	-	-	-	-	-	-	-	-
SDNX - San Diego Northern Railway	7	1	5	1	-	-	-	-	-	6	1	5
SE - Semo Port Railroad, Inc.	-	-	-	-	-	-	-	-	-	-	-	-
SERA - Sierra Railroad Company	3	-	3	-	-	-	-	-	-	3	-	3
SERX - Southern Electric Railroad	-	-	-	-	-	-	-	-	-	-	-	-
SFBR - San Francisco Belt Railroad	-	-	-	-	-	-	-	-	-	-	-	-
SFLX - Southern Freight Logistics, Inc.	-	-	-	-	-	-	-	-	-	-	-	-
SFS - Santa Fe Southern Railway, Incorporated	1	-	1	-	-	-	1	-	1	-	-	-
SGLR - Seminole Gulf Railroad	7	-	4	1	-	-	3	-	1	3	-	3
SGVY - Saginaw Valley Railway Company, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
SH - Steelton & Highspire Railroad	1	-	1	-	-	-	-	-	-	1	-	1
SHRX - Smokey Hill Railway	-	-	-	-	-	-	-	-	-	-	-	-
SIND - Southern Indiana Railway, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
SJVR - San Joaquin Valley Railroad Company	12	-	5	5	-	-	2	-	-	5	-	5
SKOL - South Kansas & Oklahoma Railroad Company	7	-	5	1	-	-	1	-	-	5	-	5
SL - Salt Lake City Southern Railroad Company, Inc.	1	-	-	1	-	-	-	-	-	-	-	-
SLAL - South Plains Lamesa Railroad, Ltd.	1	-	-	-	-	-	1	-	-	-	-	-
SLC - San Luis Central Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
SLGG - Sidney & Lowe Railroad Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
SLGW - Salt Lake, Garfield & Western Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
SLOI - St. Louis, Iron Mountain, & Southern	-	-	-	-	-	-	-	-	-	-	-	-
SLR - St. Lawrence & Atlantic Railroad Company	8	-	5	-	-	-	3	-	-	5	-	5
SLRS - SMS Rail Service, Inc.	-	-	-	-	-	-	-	-	-	-	-	-
SLST - St. Louis Steam Train Association	-	-	-	-	-	-	-	-	-	-	-	-
SLWC - Stillwater Central Railroad Company, Inc.	2	-	1	-	-	-	2	-	1	-	-	-
SM - St. Marys Railroad Company	3	-	3	-	-	-	1	-	1	2	-	2
SMA - San Manuel Arizona Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
SMPX - Stone Mountain Park	3	-	3	-	-	-	-	-	-	3	-	3
SMRR - Sisseton Milbank Railroad	-	-	-	-	-	-	-	-	-	-	-	-
SMRS - Southern Michigan Railroad Society	-	-	-	-	-	-	-	-	-	-	-	-
SMV - Santa Maria Valley Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
SNCX - Steamtown National Historic Site	-	-	-	-	-	-	-	-	-	-	-	-
SNJX - Southern New Jersey Lite Rail System	1	-	-	1	-	-	-	-	-	-	-	-
SNR - Sunflour Railroad, Inc.	-	-	-	-	-	-	-	-	-	-	-	-

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	<u>Total</u>			<u>Train Accidents</u>			<u>HRC Incidents</u>			<u>Other Incidents</u>		
	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>	<u>Cnt</u>	<u>Kld</u>	<u>Inj</u>
SNVX - Snoqualmie Valley Railroad	1	-	1	-	-	-	-	-	-	1	-	1
SO - South Orient Railroad Company, Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
SOM - Somerset Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
SQVR - Sequatchie Valley Railroad	-	-	-	-	-	-	-	-	-	-	-	-
SRC - Strasburg Railroad Company	6	-	6	-	-	-	-	-	-	6	-	6
SRN - Sabine River & Northern Railroad Company	2	-	1	-	-	-	1	-	-	1	-	1
SRNJ - Southern Railroad Company Of New Jersey	1	-	1	-	-	-	-	-	-	1	-	1
SRP - Safe Handling Rail Inc.	-	-	-	-	-	-	-	-	-	-	-	-
SS - Sand Springs Railway Company	1	-	1	-	-	-	-	-	-	1	-	1
SSC - Southern Switching Company	-	-	-	-	-	-	-	-	-	-	-	-
STE - Stockton Terminal & Eastern Railroad	3	-	2	1	-	-	-	-	-	2	-	2
STMA - St. Maries River Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
STR - Shawnee Terminal Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
STRT - Stewartstown Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
SUAB - Southern Alabama Railroad Company, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
SVIZ - Shelbyville Industrial Railroad	-	-	-	-	-	-	-	-	-	-	-	-
SVRR - Shamokin Valley Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
SW - Southwestern Railroad Company, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
SWCX - Sweetwater Central Railroad	-	-	-	-	-	-	-	-	-	-	-	-
SWKR - San Pedro & Southwestern Railway Company	1	1	-	-	-	-	-	-	-	1	1	-
SWP - Southwest Pennsylvania Railroad Company	2	-	-	1	-	-	1	-	-	-	-	-
TASD - Terminal Railway Alabama State Docks	14	-	7	5	-	-	2	-	-	7	-	7
TBRY - Thermal Belt Railway	1	-	1	-	-	-	-	-	-	1	-	1
TCCX - Tri-county Commuter Rail Authority	21	3	18	-	-	-	5	1	3	16	2	15
TCKR - Turtle Creek Industrial Railroad, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
TCRY - Tri-City Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
TCT - Texas City Terminal Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
TCWR - Twin City & Western Railroad	14	-	12	1	-	-	1	-	-	12	-	12
TIBR - Timberrock Railroad Company, Inc.	1	-	-	1	-	-	-	-	-	-	-	-
TIIX - Trinity Industries, Inc./Trinity Rail Svcs	-	-	-	-	-	-	-	-	-	-	-	-
TIOC - Tioga Central Railroad	-	-	-	-	-	-	-	-	-	-	-	-
TISH - Tishomingo Railroad Company, Inc.	-	-	-	-	-	-	-	-	-	-	-	-
TKEN - Tennken Railroad Company Incorporated	1	-	1	-	-	-	-	-	-	1	-	1
TLEW - Toledo Lake Erie & Western Railroad	-	-	-	-	-	-	-	-	-	-	-	-
TMBL - Tacoma Municipal Belt Line Railway	8	-	9	-	-	-	-	-	-	8	-	9
TMSS - Towanda Monroeton Shippers Lifeline, Incorporate	-	-	-	-	-	-	-	-	-	-	-	-
TN - Texas & Northern Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
TNER - Texas Northeastern Division--Mid-Michigan Railroad	1	-	-	-	-	-	1	-	-	-	-	-
TNMR - Texas & New Mexico Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
TOE - Texas, Oklahoma & Eastern RR Co (MERGED WITH DQE)	7	-	3	2	-	-	2	-	-	3	-	3
TPW - Toledo, Peoria & Western Railway Corporation	9	-	7	-	-	-	3	-	1	6	-	6
TR - Tomahawk Railway, L.P.	-	-	-	-	-	-	-	-	-	-	-	-
TRC - Trona Railway Company	2	1	1	1	-	-	-	-	-	1	1	1
TREX - Trinity Railway Express (use Code TRE)	2	-	2	-	-	-	2	-	2	-	-	-
TRMW - Tacoma Rail Mountain Division (FORMER CODE TRMD)	1	-	1	-	-	-	-	-	-	1	-	1
TSBY - Tuscola & Saginaw Bay Railroad Company, Inc.	11	2	14	-	-	-	5	1	9	6	1	5
TSE - Texas South-Eastern Railroad Company	2	-	1	-	-	-	1	-	-	1	-	1
TSR - Texas State Railroad	6	-	6	-	-	-	-	-	-	6	-	6
TSRR - Tennessee Southern Railroad Company, Incorporate	9	-	5	3	-	-	2	-	1	4	-	4
TSU - Tulsa-Sapulpa Union Railway Company LLC	2	-	2	-	-	-	-	-	-	2	-	2
TSWR - Toppenish Simcoe & Western	2	-	2	-	-	-	1	-	1	1	-	1
TTIS - Transkentucky Transportation Railroad, Inc.	-	-	-	-	-	-	-	-	-	-	-	-
TTR - Tijuana And Tecate Railway Company	2	-	2	-	-	-	-	-	-	2	-	2
TVRM - Tennessee Valley Railroad	1	-	-	-	-	-	1	-	-	-	-	-
TXGN - Texas, Gonzales & Northern Railway Company	1	-	-	-	-	-	1	-	-	-	-	-
TXNW - Texas Northwestern Railway Company	1	-	-	1	-	-	-	-	-	-	-	-
TXR - Texas Rock Crusher Railway Company	-	-	-	-	-	-	-	-	-	-	-	-

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TXTX - Econo Rail Corporation	20	1	9	6	-	-	6	1	1	8	-	8
UCIR - Union County Industrial Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
UCRY - Utah Central Railway Company	1	-	-	1	-	-	-	-	-	-	-	-
UMP - Upper Merion & Plymouth Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
UTAH - Utah Railway Company	17	-	12	6	-	1	4	-	2	7	-	9
VALE - Valley Railroad Company	1	-	-	-	-	-	1	-	-	-	-	-
VCRR - Ventura County Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
VR - Valdosta Railway, L.P.	-	-	-	-	-	-	-	-	-	-	-	-
VREX - Virginia Railway Express	11	1	8	2	-	-	-	-	-	9	1	8
VRRC - Vandalia Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
VS - V&S Railway, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
VSRR - Virginia Southern Railroad	2	-	-	2	-	-	-	-	-	-	-	-
VTR - Vermont Railway, Incorporated	14	-	12	1	-	-	1	-	-	12	-	12
WACR - Washington County Railroad Corporation	1	-	1	-	-	-	-	-	-	1	-	1
WBC - Wilkes-Barre Connecting Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
WBCR - Wabash Central Railroad Corporation	2	1	1	1	-	1	-	-	-	1	1	-
WCLR - Waccamaw Coast Line Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
WCOR - Wellsboro & Corning Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
WCTR - Wctu Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
WFRX - WFEC Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
WFS - West Isle Line Inc.	-	-	-	-	-	-	-	-	-	-	-	-
WGCR - Wiregrass Central Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
WHOE - Walking Horse & Eastern Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
WI - Watco Switch Indiana	2	-	-	1	-	-	1	-	-	-	-	-
WKRL - Western Kentucky Railway, LLC	1	-	1	-	-	-	-	-	-	1	-	1
WMI - West Michigan Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
WMSR - Western Maryland Scenic Railroad	-	-	-	-	-	-	-	-	-	-	-	-
WPRR - Willamette & Pacific Railroad, Inc.	10	-	8	-	-	-	5	-	3	5	-	5
WRAX - Western Rail Switching	-	-	-	-	-	-	-	-	-	-	-	-
WRM - Western Railway Museum	-	-	-	-	-	-	-	-	-	-	-	-
WRSX - White River Scenic Railroad	-	-	-	-	-	-	-	-	-	-	-	-
WS - Walkersville Southern Railroad, Incorporated	-	-	-	-	-	-	-	-	-	-	-	-
WSOR - Wisconsin & Southern Railroad Company	57	2	38	10	-	-	12	1	4	35	1	34
WSR - Warren & Saline River Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
WSRY - Winamac Southern Railway Company	-	-	-	-	-	-	-	-	-	-	-	-
WSS - Winston-Salem Southbound Railway	1	-	2	-	-	-	-	-	-	1	-	2
WTA - Wichita Terminal Association	-	-	-	-	-	-	-	-	-	-	-	-
WTCX - Weyerheuser Company	2	-	2	-	-	-	-	-	-	2	-	2
WTJR - Wichita, Tillman & Jackson Railway Company, Inc.	-	-	-	-	-	-	-	-	-	-	-	-
WTLR - West Texas And Lubbock Railroad Company Inc.	1	-	-	1	-	-	-	-	-	-	-	-
WTNN - West Tennessee Railroad Corporation	4	-	3	-	-	-	1	-	-	3	-	3
WTRM - The Warren & Trumbull Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
WTRY - Wilmington Terminal Railroad Incorporated	2	-	1	-	-	-	1	-	-	1	-	1
WVC - West Virginia Central Railroad (former Code WVCX)	-	-	-	-	-	-	-	-	-	-	-	-
WVR - Willamette Valley Railway Company	1	-	1	-	-	-	-	-	-	1	-	1
WVRR - Whitewater Valley Railroad	-	-	-	-	-	-	-	-	-	-	-	-
WW - Winchester & Western Railroad Company	4	-	2	-	-	-	2	-	-	2	-	2
WWRC - Wilmington & Western Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
WYCO - Wyoming & Colorado Railroad	-	-	-	-	-	-	-	-	-	-	-	-
YARR - Youngstown & Austintown Railroad	-	-	-	-	-	-	-	-	-	-	-	-
YB - The Youngstown Belt Railroad Company	-	-	-	-	-	-	-	-	-	-	-	-
YRC - York Railway Company(FORMERLY MPA & YKR)	11	-	6	-	-	-	5	-	-	6	-	6
YSLR - Yolo Shortline Railroad Company	5	-	5	-	-	-	-	-	-	5	-	5
YVRR - Yadkin Valley Railroad Company	2	-	2	-	-	-	-	-	-	2	-	2

Highway-rail counts are excluded from other categories