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Transportation

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Administration  
Office of Safety

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## **NOTICE**

This document is prepared from reports submitted by the railroads to the Federal Railroad Administration in accordance with Regulation 49 C.F.R. 225. These data have been edited and summarized by FRA personnel. The United States Government assumes no liability for its contents or its use.

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## INTRODUCTION

Railroads must file monthly accident/incident reports with the Federal Railroad Administration's (FRA) Office of Safety. Bulletin 161 is a summary of accident/incident data reported by 635 railroads for calendar year 1992.

Improvements occurred in most of the major categories used to measure railroad safety. Record, or near record, lows were achieved in several areas; notably employee on duty fatalities (34), train accidents (2,531), train accident frequency per million train miles (4.26), and highway-rail fatalities (579).

New charts have been included that depict various safety trends since 1975 - the first year of the current reporting requirements. In addition, the graphs displaying the current year have been revised.

The FRA Guide For Preparing Accident/Incident Reports was reprinted for report year 1992. This edition incorporates many suggestions received from representatives of various segments of the railroad safety community. The primary goal of this revision was to improve uniformity of reporting between railroads through additional clarification of the existing reporting requirements. Because of this, comparisons of the accident/incident experience for the current year with earlier years are still valid.

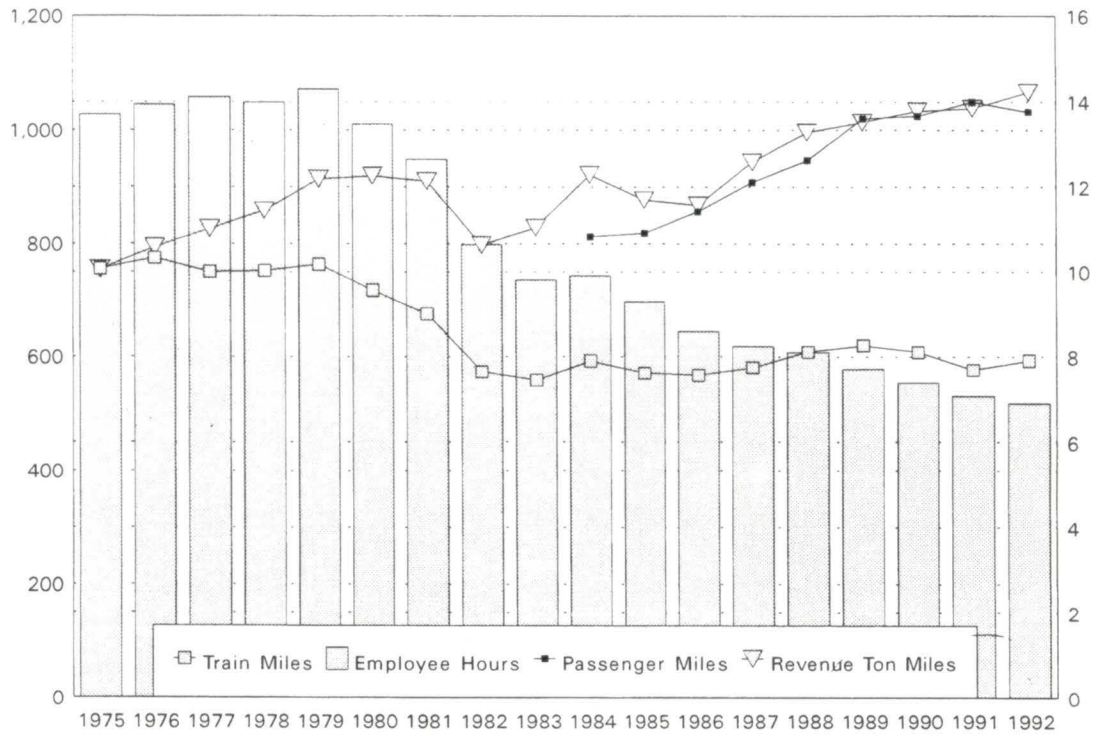
The codes and associated descriptions of the causes of train accidents were updated in the new guide to better categorize the reasons why accidents occur. Although it is still possible to compare major cause code groupings with earlier years, this ability may not exist for all individual causes. This generally is the result of creating new causes to describe situations previously being recorded in miscellaneous categories. The FRA has created a conversion table for reassigning an earlier cause into the most appropriate current code.

There are three basic categories of reportable events: train accidents; highway-rail accidents; and, any other event that results in a reportable casualty (death, injury, illness). An accident/incident report must be prepared whenever the event results in certain consequences. For example, a train accident must cause reportable damage above \$6,300, but a highway-rail collision is reportable regardless of severity. Approximate 3.5% (172) of the 4,909 highway-rail accidents reported in 1992 exceeded the damage threshold required for train accidents. These 172 accidents appear in this publication as well as all reported casualties caused by highway-rail accident/incidents. When possible, the count of these are identified within the table or chart.

A complete compilation of all highway-rail accidents/incidents, including those that did not result in casualties nor cause damage above the train accident threshold, can be found in the annual Rail-Highway Crossing Accident/Incident and Inventory Bulletin.

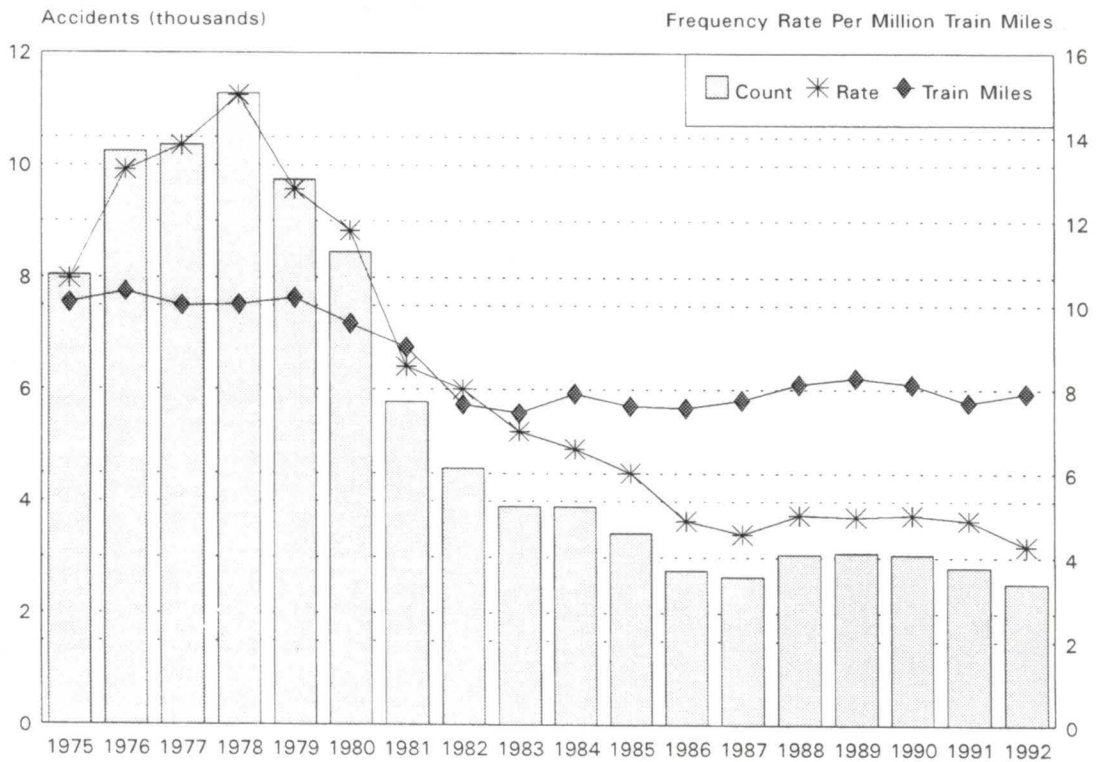


# **HISTORICAL ACCIDENT TRENDS - GRAPHS**



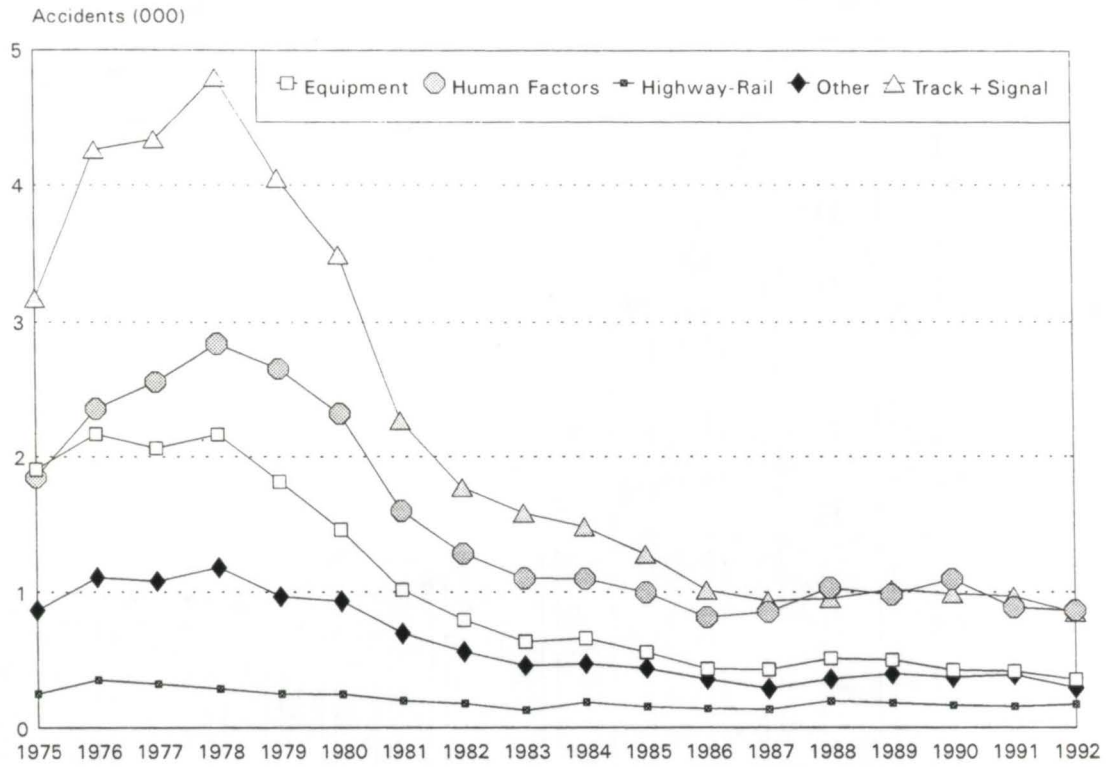
Train miles and employee hours are shown in millions using the left axis.  
 Revenue ton miles are shown in billions using the left axis.  
 Passenger miles are shown in billions using the right axis.

**Figure 1 - Operational Data**



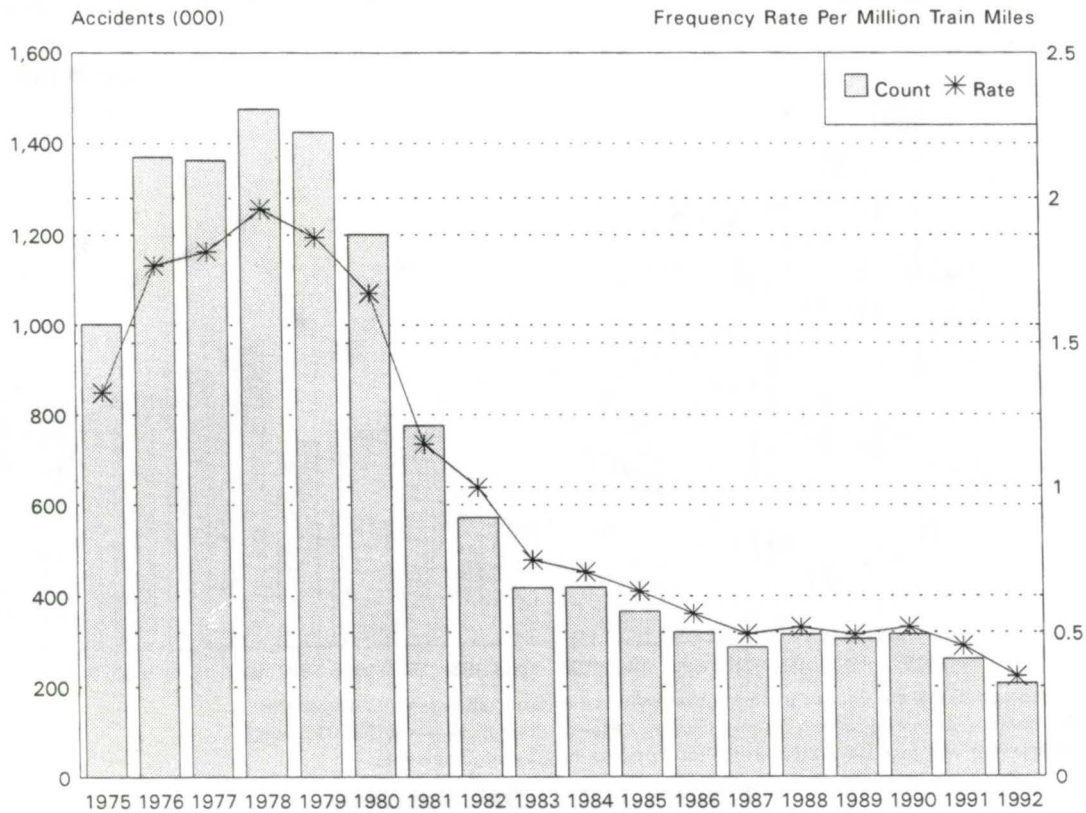
In order to obtain comparable scaling, train miles have been divided by 100,000 in this chart.  
 Train miles are displayed using the left axis.

**Figure 2 - Train Accidents**

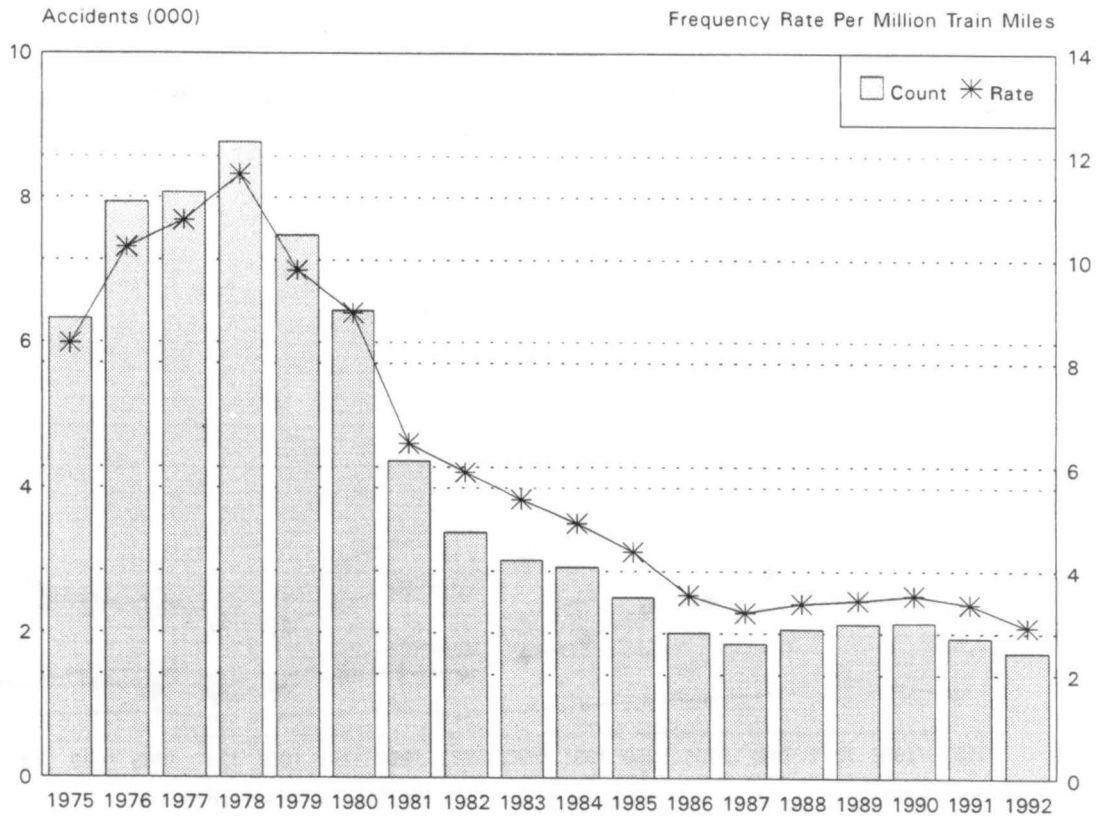


The highway-rail accidents appearing in this chart is limited to those that resulted in reportable damage above the threshold for train accidents.

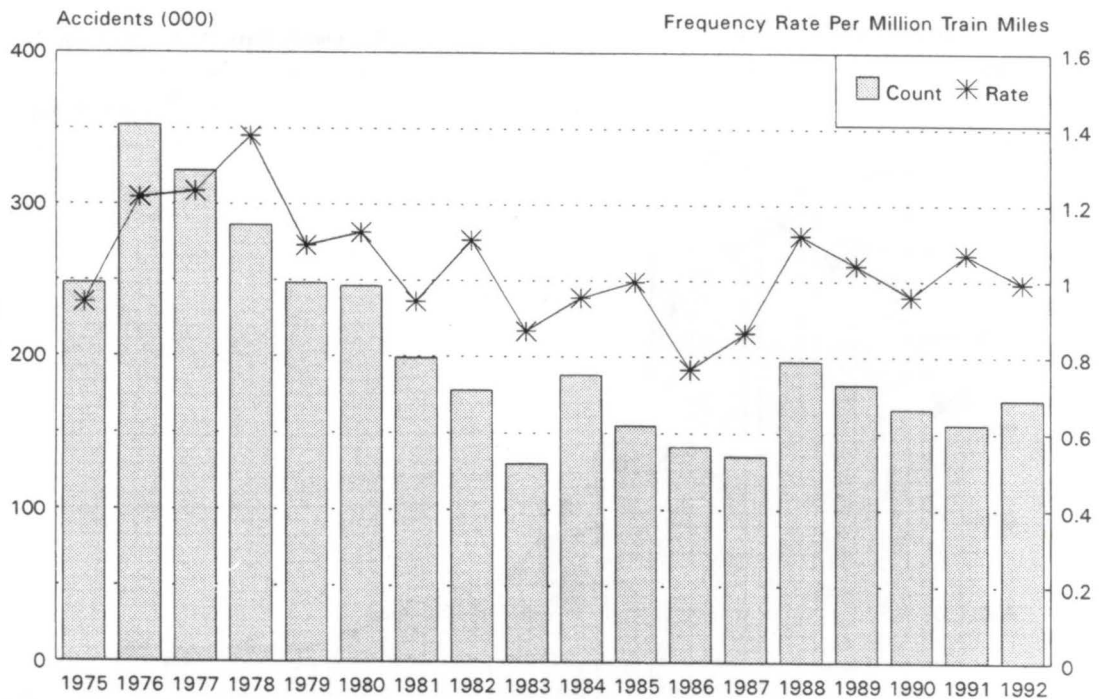
**Figure 3 – Train Accidents By Cause**



**Figure 4 – Collisions**

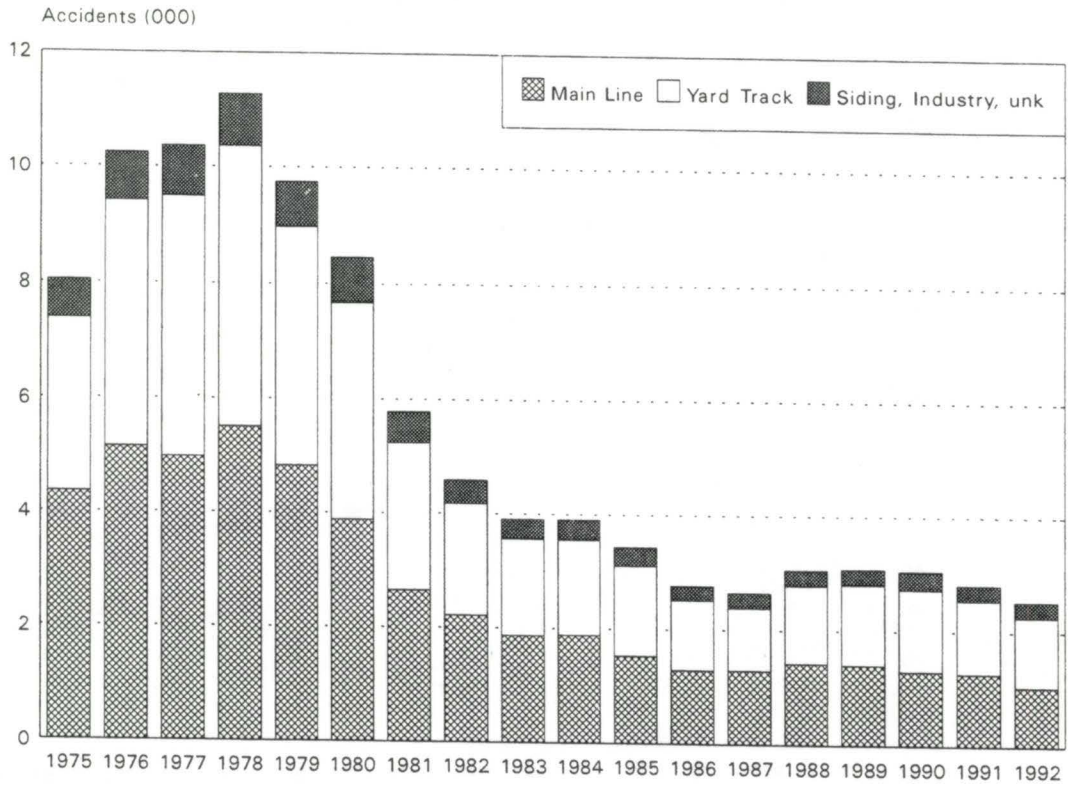


**Figure 5 - Derailments**

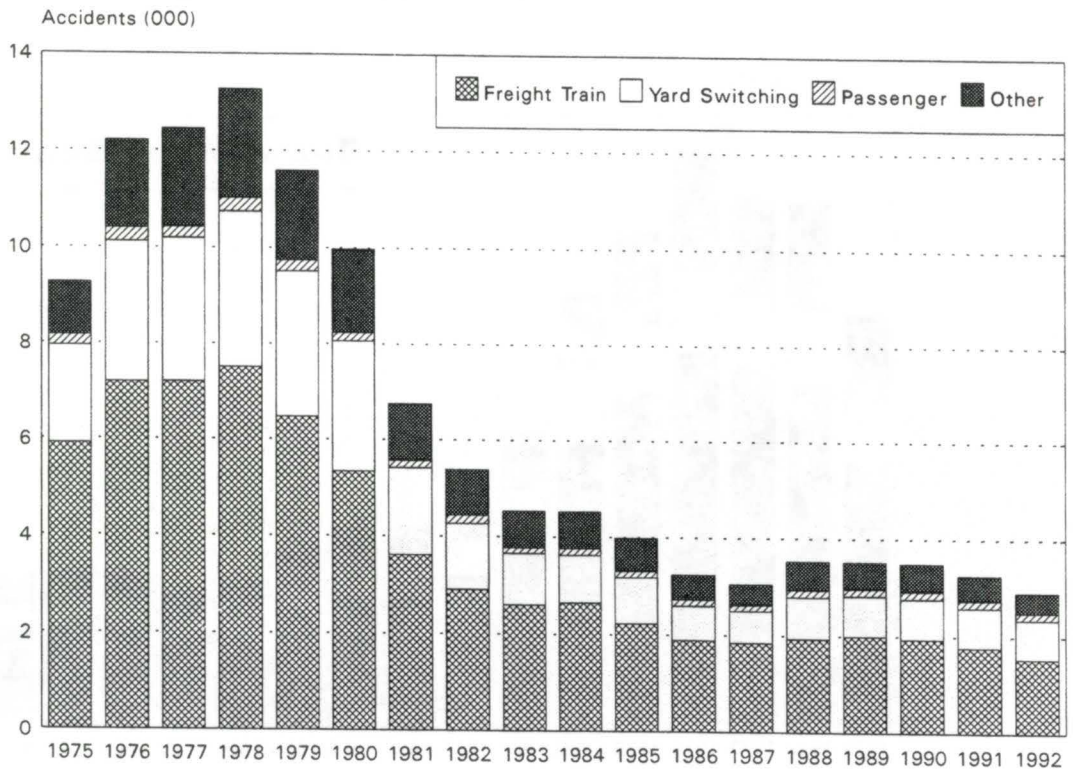


Highway-rail accidents are limited to those that resulted in reportable damage above the dollar threshold used for reporting train accidents. Please refer to Highway-Rail Crossing Accident/Incident and Inventory Bulletin for total counts of crossing accidents.

**Figure 6 - Other Train Accidents Including Highway-Rail**



**Figure 7 – Train Accidents By Type Of Track**



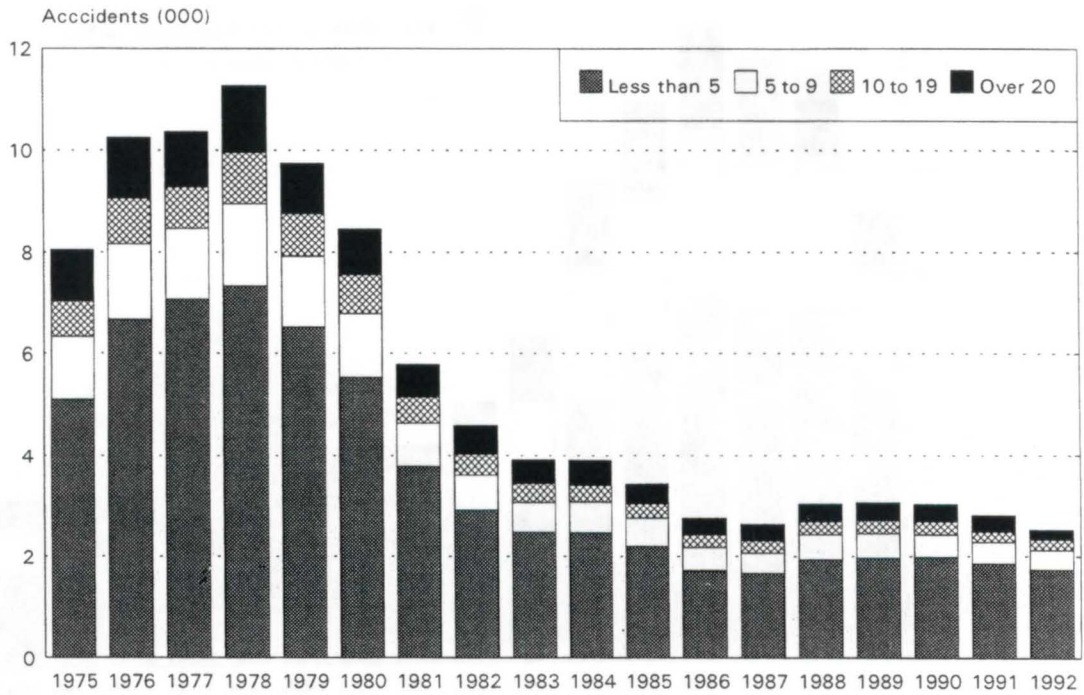
The counts appearing in this chart are higher than the number of accidents, since many accidents involve different types of equipment, e.g., a freight train side swipes a locomotive in a yard.

**Figure 8 – Equipment Involved In Train Accidents**



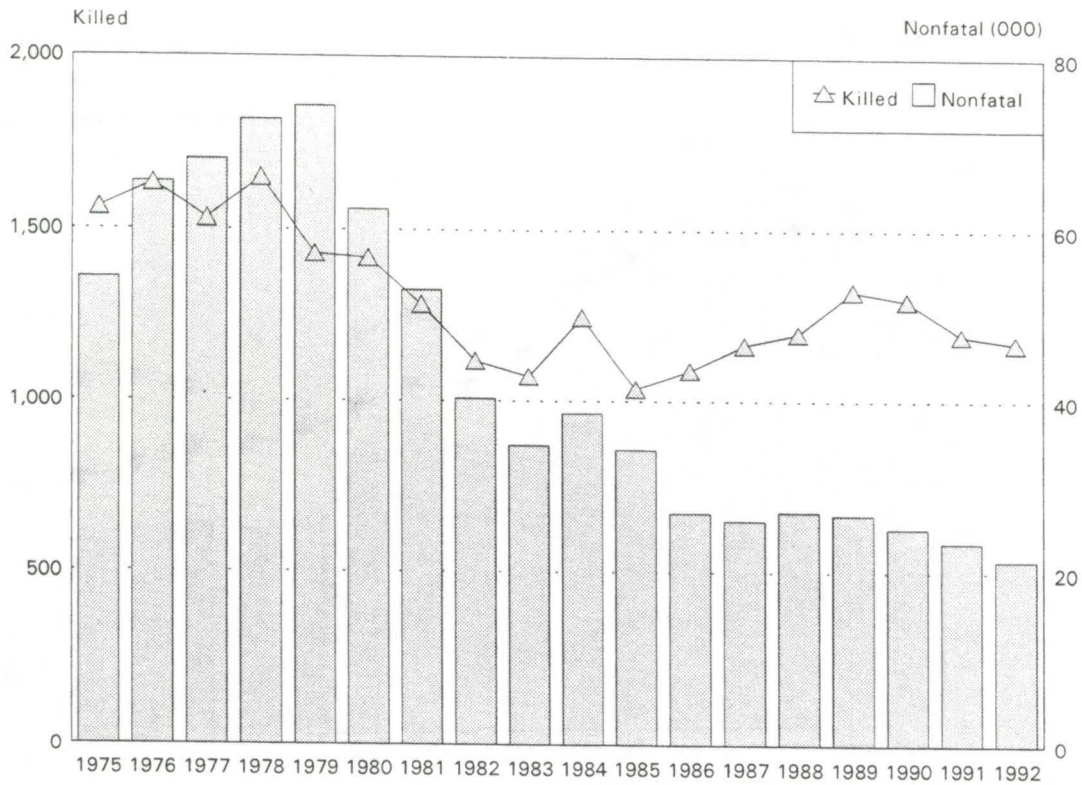
The number of accidents that resulted in an evacuation is a subset of accidents in which there was a release of hazardous materials.

**Figure 9 – Train Accidents Involving Hazmat**

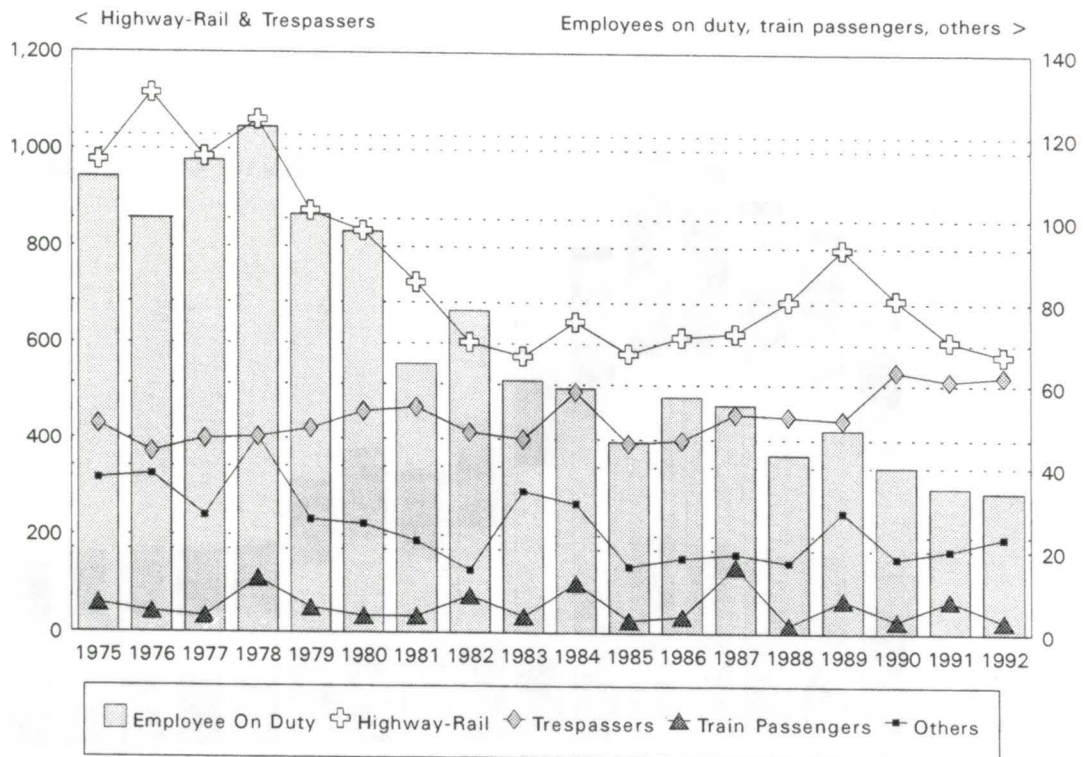


The reporting threshold is adjusted every two years. In 1975 the threshold was \$1,750; in 1992 it was \$6,300. This chart depicts the number of accidents reported for each year that exceed various multiples of the threshold. An accident does not appear in more than one group.

**Figure 10 – Train Accident Severity Counts Based On Multiple Of Reporting Threshold**

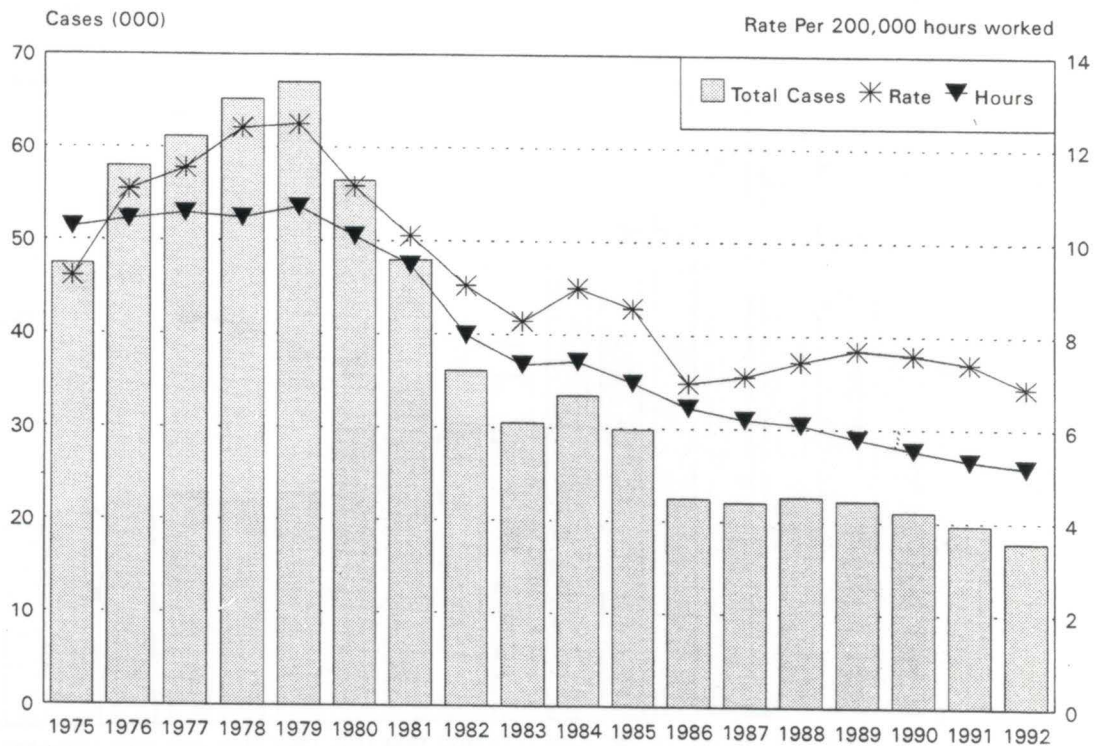


**Figure 11 – Total Casualties  
All Accidents/Incidents**



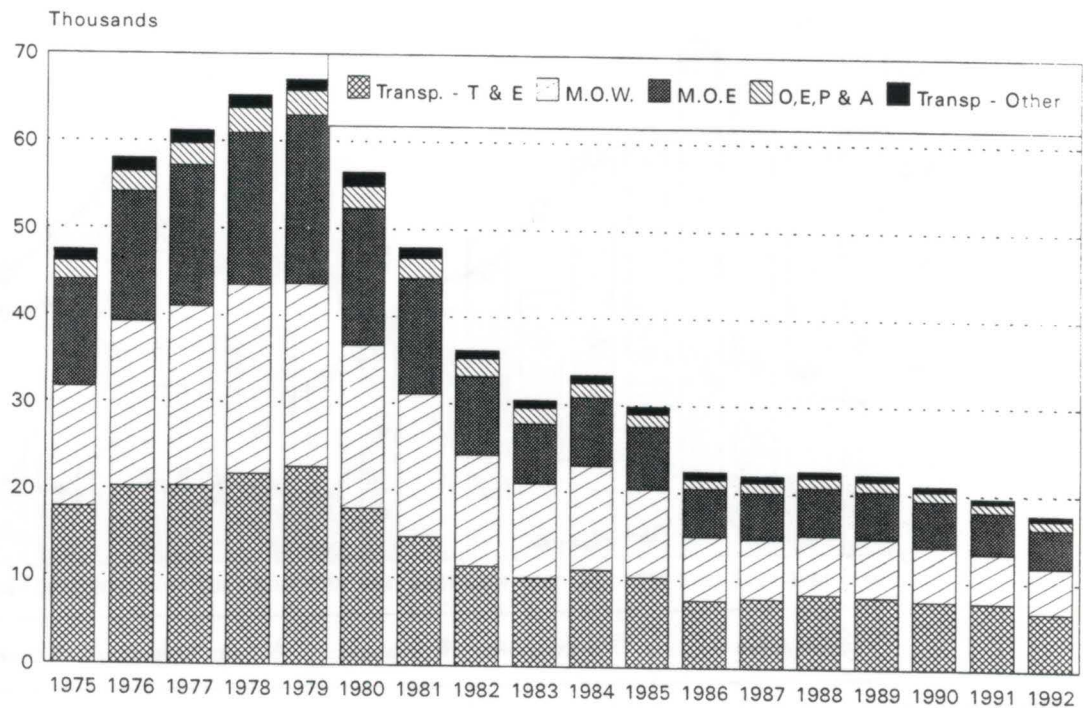
Highway-rail fatalities include all type persons except employees on duty.  
 "Others" include employees not on duty, contractor employees, and other persons whose presence on railroad property was not prohibited.

**Figure 12 – Total Fatalities**



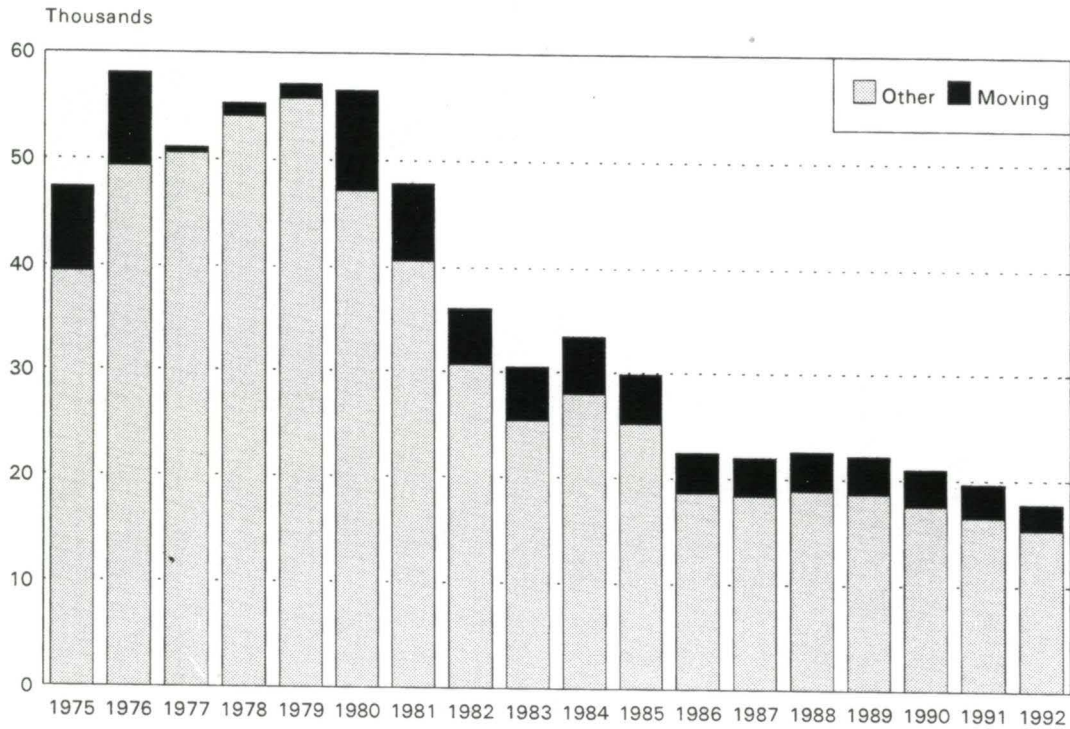
Total cases includes fatalities, plus nonfatal injuries and illnesses.  
 The total number of hours worked has been divided by 20,000 in order to obtain a comparable scale and are displayed using the left axis.

**Figure 13 – Employee On Duty Casualties**



A "Case" is a fatality, injury, or occupational illness.  
 T & E - Train and Engine Service; M.O.W. - Maintenance of Way; M.O.E. - Maintenance of Equipment and Stores; O, E, P & A - Officials, executives, professional and administrative.

**Figure 14 – Employee On Duty Cases By Occupational Category**



"Moving On-Track" incidents include train accidents and train incidents.  
 "Other" incidents are defined as "Nontrain" incidents.

**Figure 15 – Employee On Duty Cases  
 Moving On-Track Equipment VS Other Incidents**



# **HISTORICAL ACCIDENT TRENDS**

**Table 1. Railroad Operational Profile<sup>1</sup>**

YEAR	EMPLOYEE HOURS	MOTOR TRAIN MILES	YARD SWITCHING MILES	LOCOMOTIVE TRAIN MILES	TOTAL TRAIN MILES
1987	618,992	34,077	101,955	445,282	581,314
1988	608,086	34,877	105,325	469,132	609,334
1989	578,410	32,542	104,330	483,727	620,599
1990	553,603	33,227	98,151	477,459	608,837
1991	530,661	28,112	88,519	460,204	576,835
1992	517,041	27,476	84,430	481,800	593,704

**Table 2. Revenue Ton-Miles<sup>2</sup>  
(Billions)**

1987	943.7
1988	996.2
1989	1,013.8
1990	1,034.0
1991	1,038.9
1992	1,066.8

**Table 3. Train Accident Causes**

YEAR	HUMAN FACTORS	MECHANICAL & ELECTRICAL FAILURES	SIGNAL & TRACK DEFECTS	HIGHWAY-RAIL CROSSING IMPACTS <sup>3</sup>	OTHER	TOTAL TRAIN ACCIDENTS
1987	856	430	938	135	289	2,648
1988	1,031	512	952	197	359	3,051
1989	982	501	1,019	182	397	3,081
1990	1,095	425	988	166	371	3,045
1991	887	415	968	156	388	2,814
1992	864	353	849	172	293	2,531

<sup>1</sup>All figures are shown in thousands

<sup>2</sup>SOURCE: Association of American Railroads  
1992 figures are preliminary

<sup>3</sup>All highway-rail collisions are included regardless of cause.

**Table 4. Train Accidents And Reportable Damages By Train Miles**

YEAR	TOTAL ACCIDENTS	TOTAL \$ DAMAGE	AVERAGE \$ DAMAGE	DAMAGE/MILL. TRAIN MILES	ACCIDENTS/ MILLION TRAIN MILES
1987	2,647	177,185,352	66,938	304,802	4.55
1988	3,051	191,110,633	62,639	313,638	5.01
1989	3,080	212,047,308	68,847	341,682	4.96
1990	3,045	211,790,873	69,554	347,861	5.00
1991	2,814	222,936,995	79,224	386,483	4.88
1992	2,531	127,017,536	50,185	213,940	4.26

**Table 5. Train Accidents And Reportable Damage By Type**

YEAR	TOTAL ACCIDENTS	TOTAL \$ DAMAGE	AVERAGE \$ DAMAGE	DAMAGE/MILL. TRAIN MILES	ACCIDENTS/ MILLION TRAIN MILES
<b>COLLISIONS</b>					
1987	287	29,001,769	101,051	49,890	0.49
1988	315	23,245,428	73,795	38,149	0.52
1989	305	22,794,904	74,737	36,730	0.49
1990	315	27,809,604	88,284	45,677	0.52
1991	261	37,921,672	145,294	65,741	0.45
1992	207	13,995,737	67,612	23,574	0.35
<b>DERAILMENTS</b>					
1987	1,859	125,683,151	67,608	216,205	3.20
1988	2,054	139,410,287	67,873	228,791	3.37
1989	2,129	152,735,826	71,741	246,110	3.43
1990	2,146	159,314,565	74,238	261,670	3.52
1991	1,936	153,089,957	79,075	265,396	3.36
1992	1,734	91,520,082	52,780	154,151	2.92
<b>HIGHWAY-RAIL IMPACTS</b>					
1987	135	9,787,985	72,504	16,838	0.23
1988	197	11,541,231	58,585	18,941	0.32
1989	182	21,853,749	120,076	35,214	0.29
1990	166	13,078,256	78,785	21,481	0.27
1991	156	13,275,120	85,097	23,014	0.27
1992	172	8,076,656	46,957	13,604	0.29
<b>OTHER</b>					
1987	366	12,712,447	34,733	21,868	0.63
1988	485	16,913,687	34,874	27,758	0.80
1989	464	14,662,829	31,601	23,627	0.75
1990	418	11,588,448	27,724	19,034	0.69
1991	461	18,650,246	40,456	32,332	0.80
1992	418	13,425,061	32,117	22,612	0.70

Table 6. Train Accidents And Reportable Damage by Cause

YEAR	TOTAL ACCIDENTS	TOTAL \$ DAMAGE	AVERAGE \$ DAMAGE	DAMAGE/MILL. TRAIN MILES	ACCIDENTS/MILLION TRAIN MILES
<b>HUMAN FACTORS</b>					
1987	856	53,381,979	62,362	91,830	1.47
1988	1,031	52,946,735	51,355	86,893	1.69
1989	982	63,358,368	64,520	102,092	1.58
1990	1,095	60,126,052	54,910	98,756	1.80
1991	887	70,813,850	79,835	122,763	1.54
1992	864	33,345,813	38,595	56,166	1.46
<b>EQUIPMENT FAILURES</b>					
1987	430	38,129,194	88,673	65,591	0.74
1988	512	46,491,145	90,803	76,298	0.84
1989	501	43,355,891	86,539	69,861	0.81
1990	425	43,625,552	102,648	71,654	0.70
1991	415	48,136,068	115,991	83,449	0.72
1992	353	25,231,959	71,479	42,499	0.59
<b>SIGNAL AND TRACK DEFECTS</b>					
1987	938	60,162,651	64,139	103,494	1.61
1988	952	58,291,881	61,231	95,665	1.56
1989	1,019	57,624,951	56,550	92,854	1.64
1990	988	58,058,297	58,763	95,359	1.62
1991	968	59,956,163	61,938	103,940	1.68
1992	849	41,424,383	48,792	69,773	1.43
<b>HIGHWAY-RAIL IMPACTS</b>					
1987	135	9,787,985	72,504	16,838	0.23
1988	197	11,541,231	58,585	18,941	0.32
1989	182	21,853,749	120,076	35,214	0.29
1990	166	13,078,256	78,785	21,481	0.27
1991	156	13,275,120	85,097	23,014	0.27
1992	172	8,076,656	46,957	13,604	0.29
<b>OTHER</b>					
1987	288	15,723,543	54,596	27,048	0.50
1988	359	21,839,641	60,835	35,842	0.59
1989	396	25,854,349	65,289	41,660	0.64
1990	371	36,902,716	99,468	60,612	0.61
1991	388	30,755,794	79,268	53,318	0.67
1992	293	18,938,725	64,637	31,899	0.49

Table 7. Casualties In Accidents/Incidents

YEAR AND TYPE ACC/INC	DEATHS	INJURIES	TOTAL CASUALTIES	TOTAL ACCIDENTS/ INCIDENTS <sup>1</sup>	CASUALTIES PER MILLION TRAIN MILES
<b>TRAIN ACCIDENTS (EXCLUDING HIGHWAY-RAIL IMPACTS)</b>					
1987	36	453	489	2,512	0.84
1988	18	471	489	2,854	0.80
1989	16	311	327	2,898	0.53
1990	10	451	461	2,879	0.76
1991	19	326	345	2,658	0.60
1992	6	171	177	2,359	0.30
<b>TRAIN INCIDENTS (EXCLUDING HIGHWAY-RAIL IMPACTS)</b>					
1987	466	3,806	4,272	4,136	7.35
1988	445	3,936	4,381	4,272	7.19
1989	465	3,689	4,154	4,037	6.69
1990	547	3,673	4,220	4,063	6.93
1991	539	3,383	3,922	3,805	6.80
1992	548	2,799	3,347	3,225	5.64
<b>NONTRAIN INCIDENTS (EXCLUDING HIGHWAY-RAIL IMPACTS)</b>					
1987	39	19,345	19,384	19,220	33.35
1988	47	20,058	20,105	19,814	33.00
1989	42	19,847	19,889	19,700	32.05
1990	42	18,612	18,654	18,520	30.64
1991	28	17,665	17,693	17,449	30.67
1992	37	16,438	16,475	16,368	27.75
<b>HIGHWAY-RAIL ACCIDENTS/INCIDENTS (EXCLUDED FROM ABOVE)</b>					
1987	624	2,429	3,053	2,247	5.25
1988	689	2,589	3,278	2,454	5.38
1989	801	2,868	3,669	2,634	5.91
1990	698	2,407	3,105	2,245	5.10
1991	608	2,094	2,702	1,999	4.68
1992	579	1,975	2,554	1,897	4.30
<b>TOTAL ACCIDENTS/INCIDENTS</b>					
1987	1,165	26,033	27,198	28,115	46.79
1988	1,199	27,054	28,253	29,394	46.37
1989	1,324	26,715	28,039	29,269	45.18
1990	1,297	25,143	26,440	27,707	43.43
1991	1,194	23,468	24,662	25,911	42.75
1992	1,170	21,383	22,553	23,849	37.98

<sup>1</sup>The count of Highway-rail crossing impacts shown in this table is limited to those that met the train accident threshold or resulted in a death or injury.

**Table 8. Total Accidents/Incidents**

YEAR	TRAIN		NONTRAIN INCIDENTS	HIGHWAY-RAIL	TOTAL
	ACCIDENTS	INCIDENTS		CROSSING IMPACTS <sup>1</sup>	
1987	2,512	4,136	19,220	2,247	28,115
1988	2,854	4,272	19,814	2,454	29,394
1989	2,898	4,037	19,700	2,634	29,269
1990	2,879	4,063	18,520	2,245	27,707
1991	2,658	3,805	17,449	1,999	25,911
1992	2,359	3,225	16,368	1,897	23,849

**Table 9. Casualties By Type of Person**

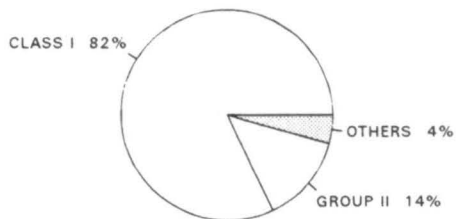
YEAR	EMPLOYEES ON DUTY		EMPLOYEES NOT ON DUTY		PASSENGERS ON TRAIN		NON TRESPASSERS		TRESPASSERS		CONTRACTOR EMPLOYEES <sup>2</sup>	
	KLD	INJ	KLD	INJ	KLD	INJ	KLD	INJ	KLD	INJ	KLD	INJ
1987	55	21,982	1	396	16	475	506	2,354	584	673	3	153
1988	43	22,573	1	427	2	337	554	2,575	598	920	1	222
1989	49	22,183	1	407	8	399	621	2,579	641	898	4	249
1990	40	20,970	0	326	3	473	551	2,339	700	793	3	242
1991	35	19,626	1	362	8	382	484	2,110	663	769	3	219
1992	34	17,755	1	310	3	411	475	1,909	646	772	11	226

<sup>1</sup>Includes 172 train accidents and 1,725 other crossing incidents that resulted in a reportable casualty. There were 4,909 highway-rail accidents reported in 1992. Additional information on these can be found in the Highway-rail Crossing Accident/Incident and Inventory Bulletin.

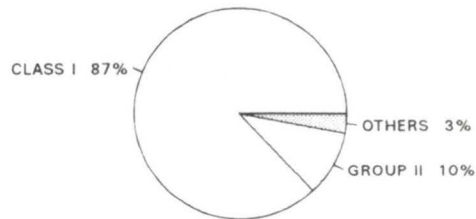
<sup>2</sup>"Contractor employee" casualties appear separately in this table. In other tables they are included with "Nontrespassers". "Inj" columns include occupational illnesses.

## **OVERVIEW OF CURRENT YEAR - GRAPHS**

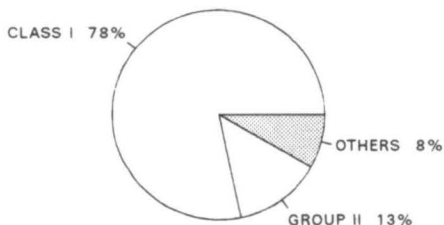
**A monthly report must be made even though no reportable events occurred during the month. Reports were received from 635 railroads for the year. A total of 381 railroads provided reports for specific accidents/incidents. Casualty reports were prepared by 337 railroads, highway-rail accident/incident reports by 229 railroads, and 167 railroads submitted reports of train accidents.**



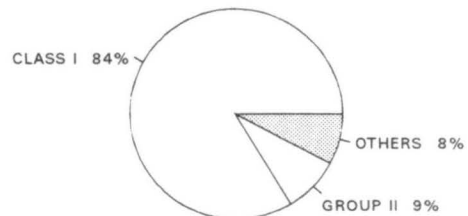
TOTAL EMPLOYEE HOURS



TOTAL TRAIN MILES



TOTAL TRAIN ACCIDENTS

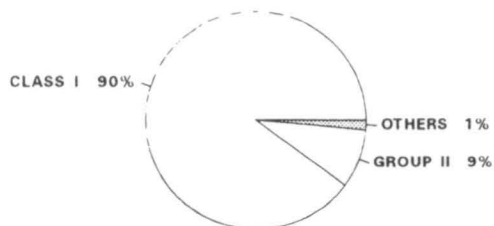


\* HIGHWAY-RAIL CROSSINGS

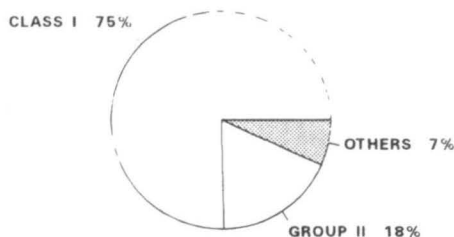
Group II are railroads other than Class 1 that reported annual employee hours  $\geq$  400,000.

\* All accidents/incidents regardless of severity. See Highway-Rail Accident/Incident and Inventory Bulletin.

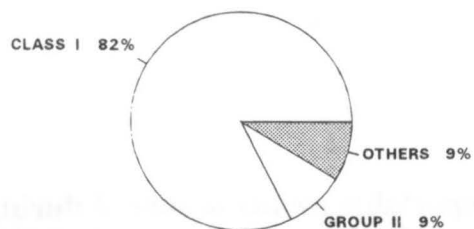
Figure 16 – 1992 Statistics By Type Of Railroad



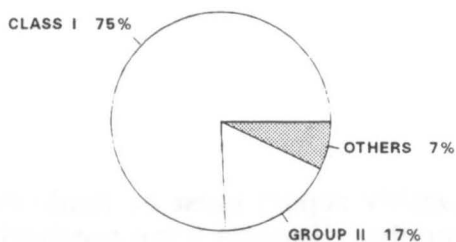
ALL FATALITIES



ALL NONFATALS



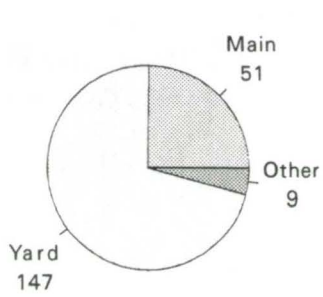
EMPLOYEES ON DUTY FATALITIES



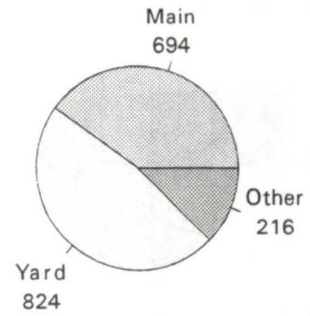
EMPLOYEES ON DUTY NONFATALS

Includes all fatal and nonfatal casualties including those resulting from highway-rail accidents/incidents.

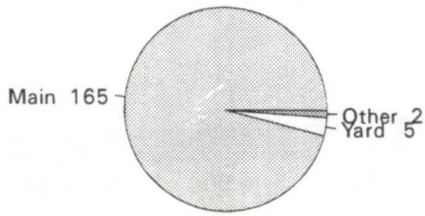
Figure 17 – Fatalities And Injuries, 1992  
By Type Of Railroad



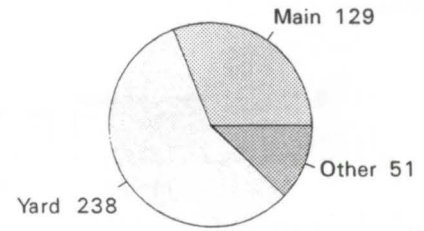
**COLLISIONS**



**DERAILMENTS**

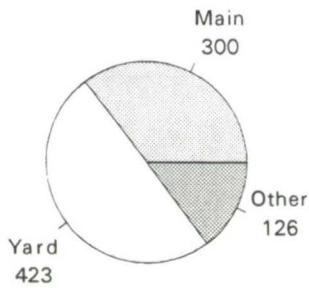


**HIGHWAY-RAIL**

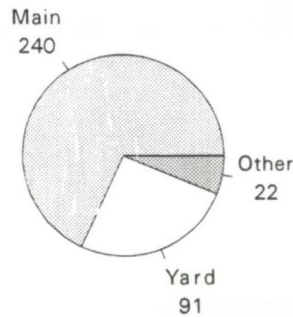


**OTHER ACCIDENT TYPES**

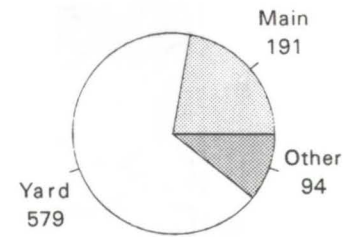
**Figure 18 – Train Accidents By Type And Track Classification, 1992**



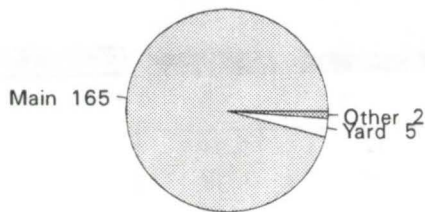
**TRACK**



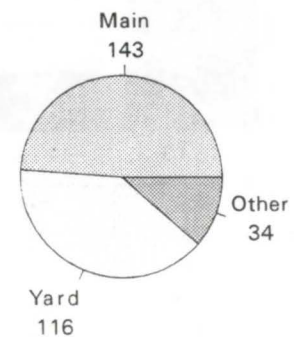
**EQUIPMENT**



**HUMAN FACTORS**

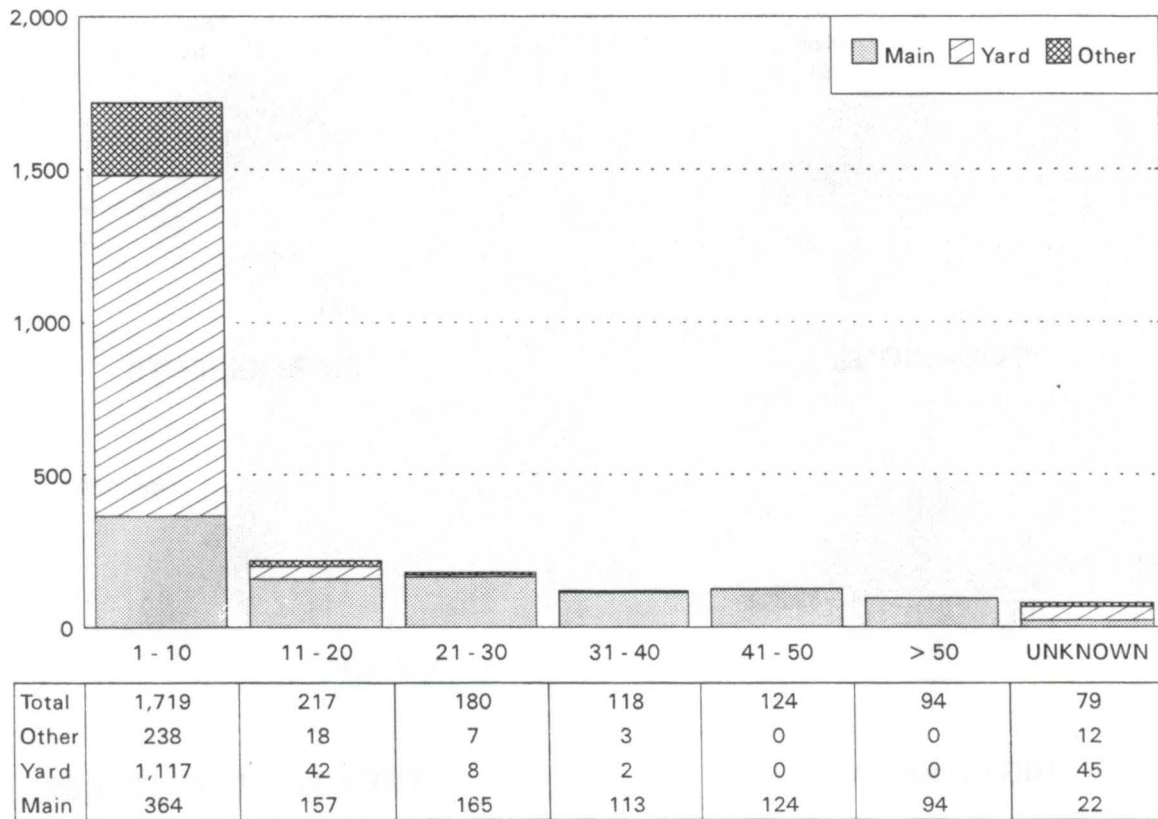


**HIGHWAY-RAIL**

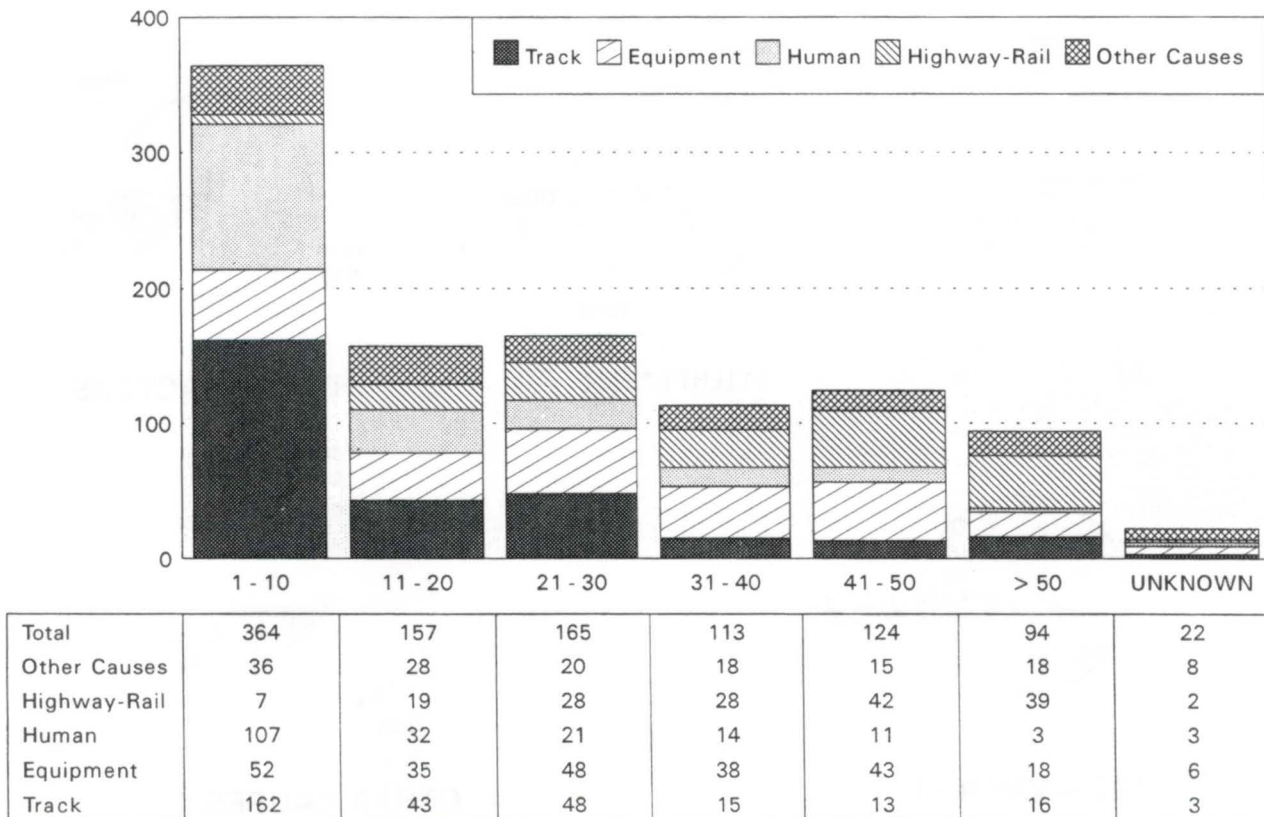


**OTHER CAUSES**

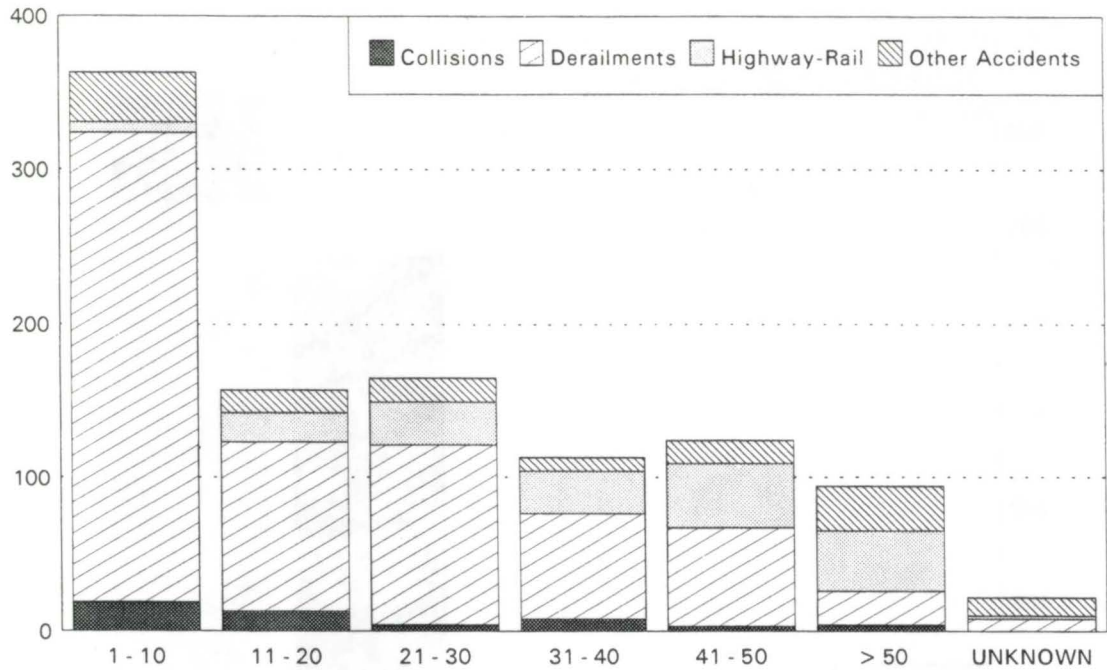
**Figure 19 – Train Accidents By Cause And Track Classification, 1992**



**Figure 20 – Train Accidents By Track Classification And Consist Speed, 1992**

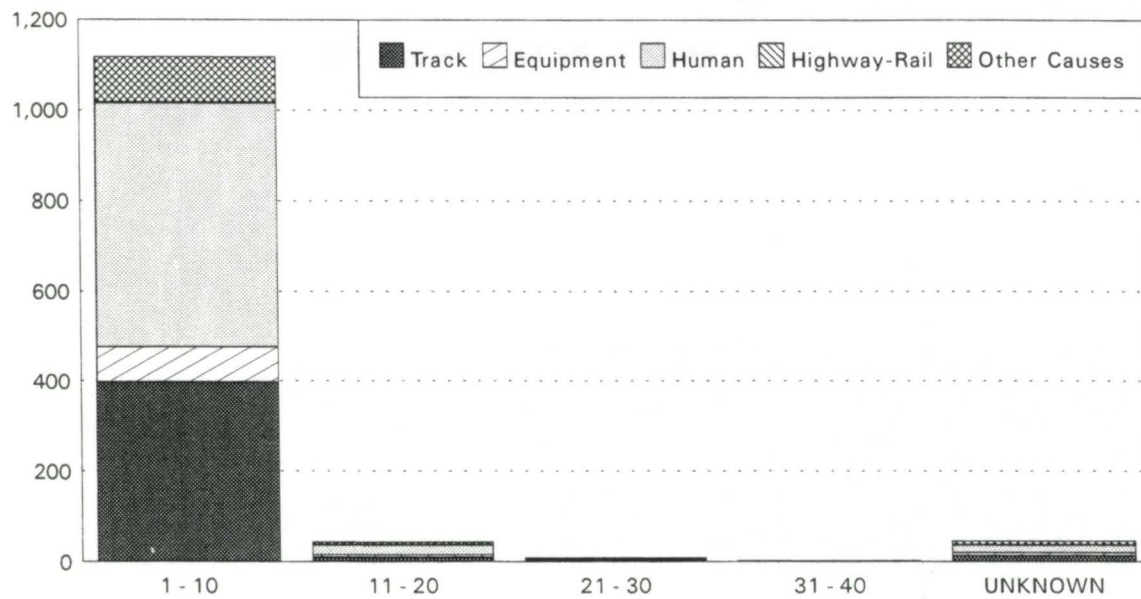


**Figure 21 – Accidents On Main Line Track By Cause And Speed, 1992**



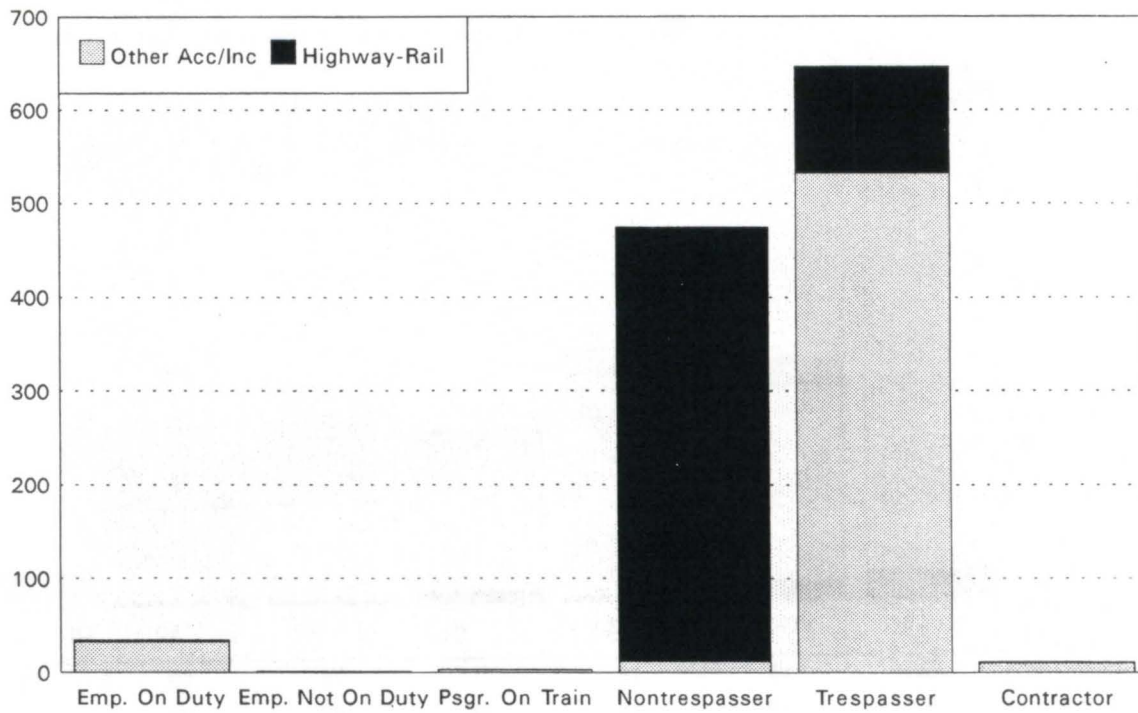
Other Accidents	33	15	16	9	15	29	12
Highway-Rail	7	19	28	28	42	39	2
Derailments	305	110	117	68	64	22	8
Collisions	19	13	4	8	3	4	0

**Figure 22 – Accidents On Main Line Track By Type Accident And Speed, 1992**



Total	1,117	42	8	2	45
Other Causes	99	5	3	1	8
Highway-Rail	3	1	0	0	1
Human	539	21	3	0	16
Equipment	78	5	1	1	6
Track	398	10	1	0	14

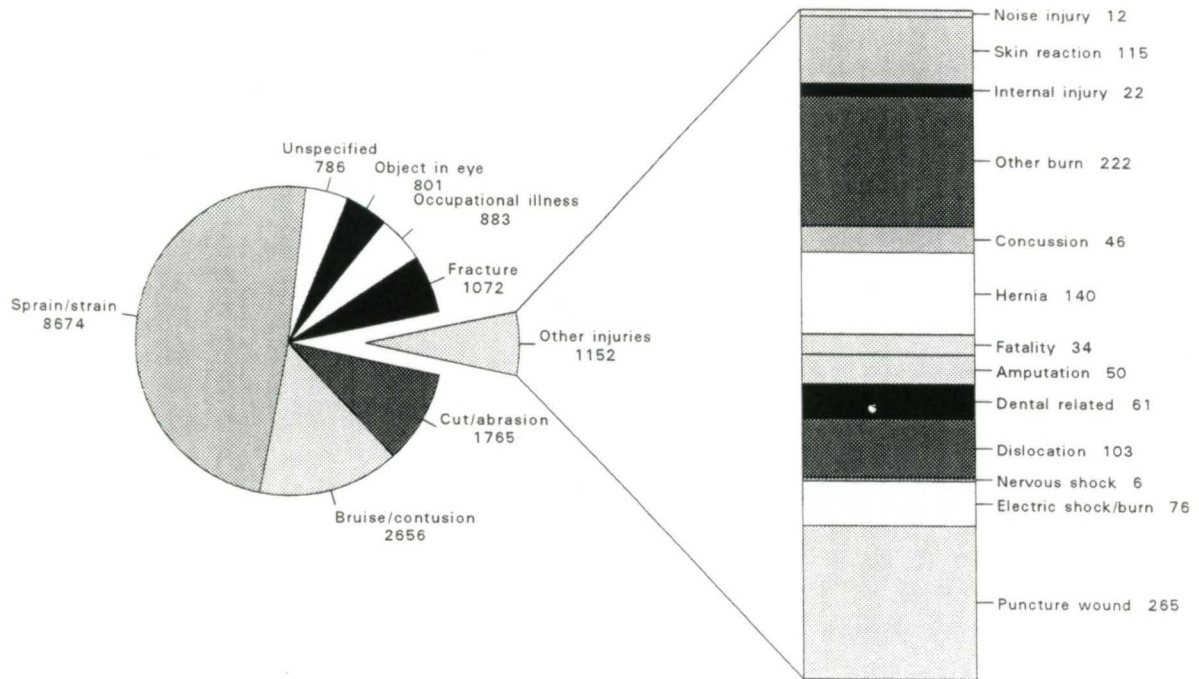
**Figure 23 – Accidents On Yard Track By Cause, 1992**



	Emp. On Duty	Emp. Not On Duty	Psgr. On Train	Nontrespasser	Trespasser	Contractor
Total	34	1	3	475	646	11
Highway-Rail	2	0	0	463	113	1
Other Acc/Inc	32	1	3	12	533	10

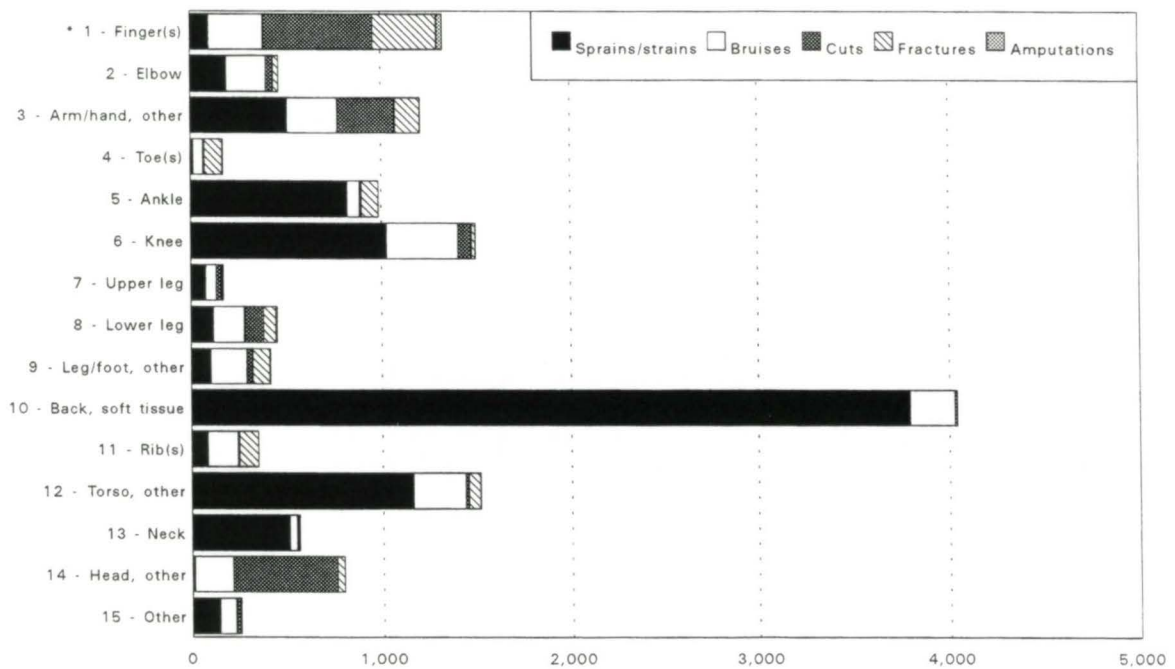
Psgr. - Passenger on train; Emp. - Employee

**Figure 24 - Fatalities By Type Person, 1992**



A case is a fatality, injury, or occupational illness

**Figure 25 – Employee On Duty Cases, 1992  
All Accidents/Incidents**



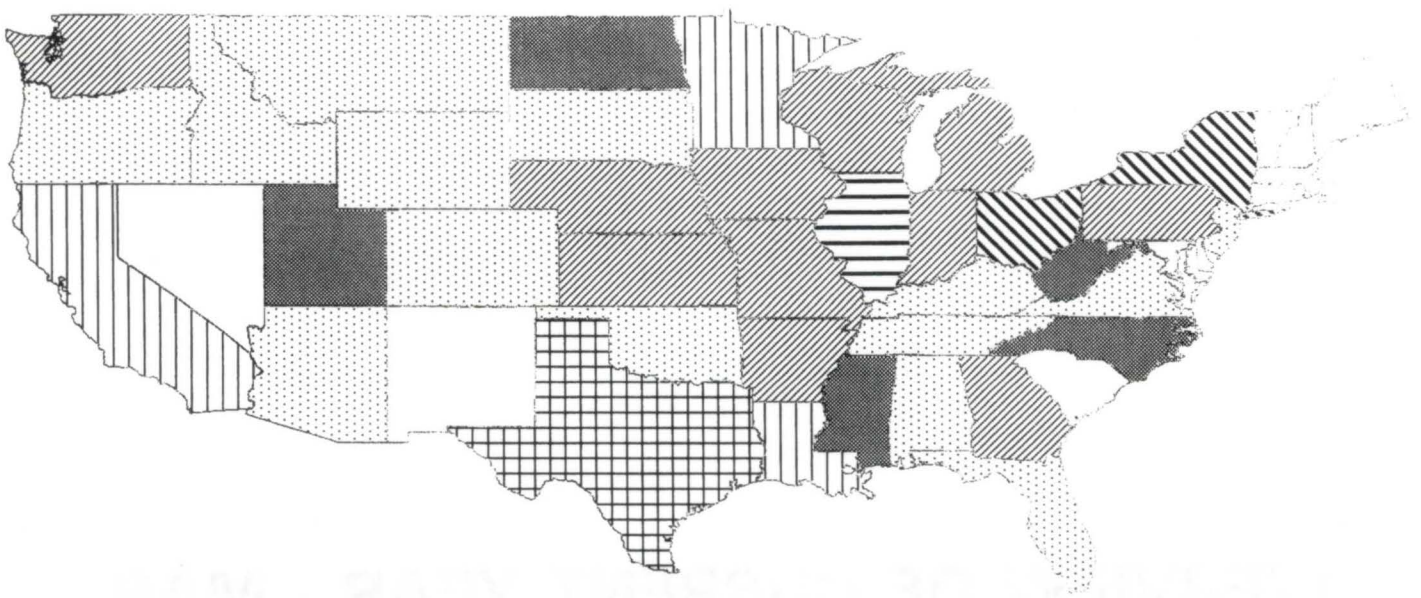
* Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Amputations	32	0	3	5	0	0	1	6	3	0	0	0	0	0	0
Fractures	338	27	130	96	90	20	6	65	87	0	100	63	6	38	6
Cuts	577	38	304	5	8	72	29	100	31	12	6	15	7	542	19
Bruises	284	206	263	52	68	380	58	160	190	232	158	280	38	203	84
Sprains/strains	99	192	508	15	819	1,028	77	120	103	3,796	86	1,162	511	12	146

The listed injuries represent 84.3% of all reported injuries to employees on duty.

**Figure 26 – Selected Employee On Duty Injuries, 1992**

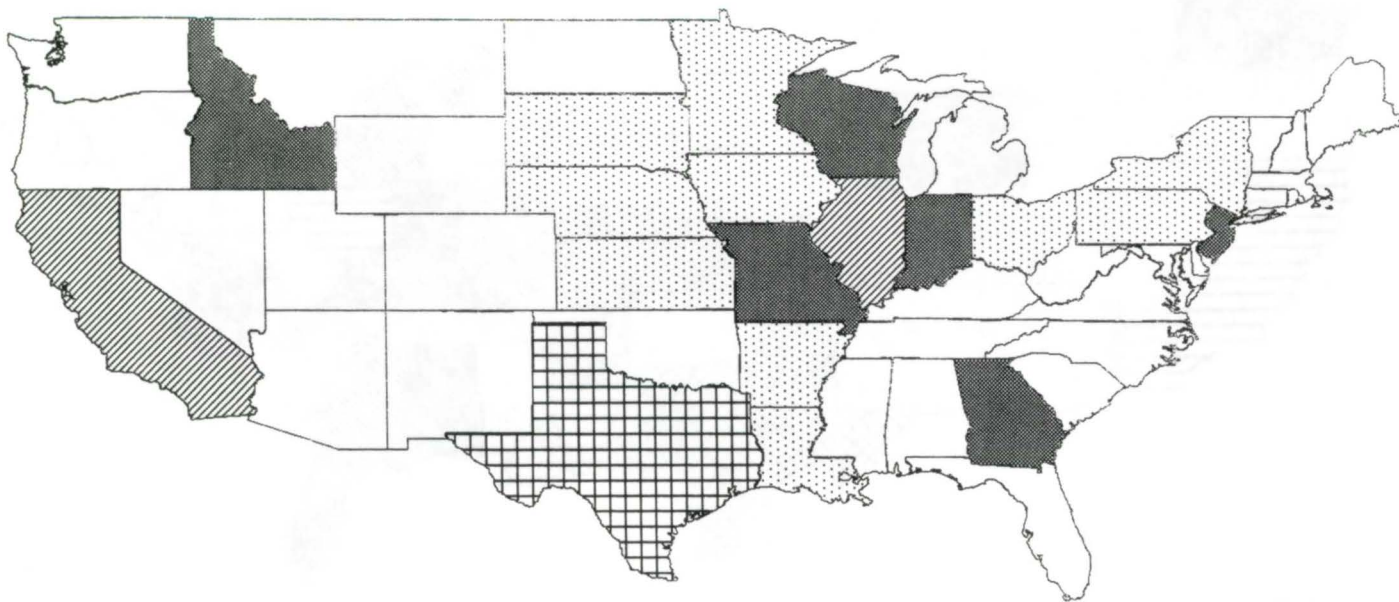


# OVERVIEW OF CURRENT YEAR - MAP



COUNTS	
□	0 - 20
■	21 - 25
▨	26 - 50
▩	51 - 75
▪	76 - 100
▫	101 - 150
▬	151 - 250
▭	251 - 300

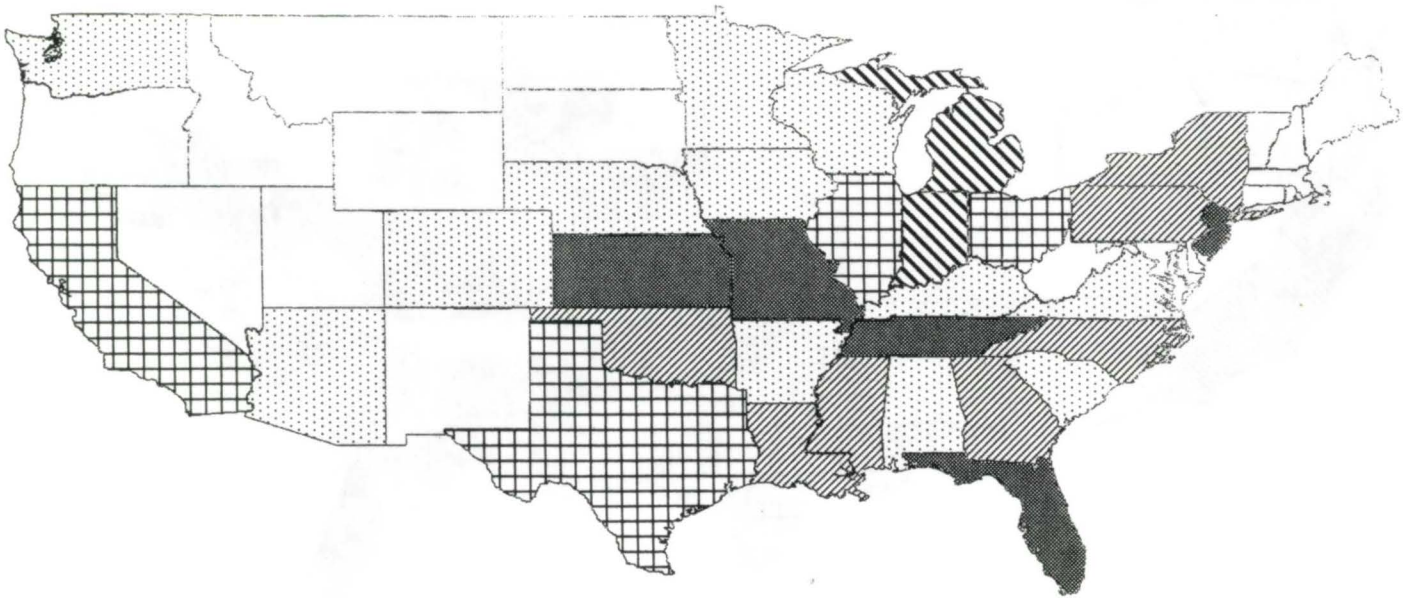
**Figure 27 – Train Accidents, 1992**



COUNTS	
□	0 - 20
■	21 - 25
▨	26 - 50
▩	51 - 75
▧	76 - 100

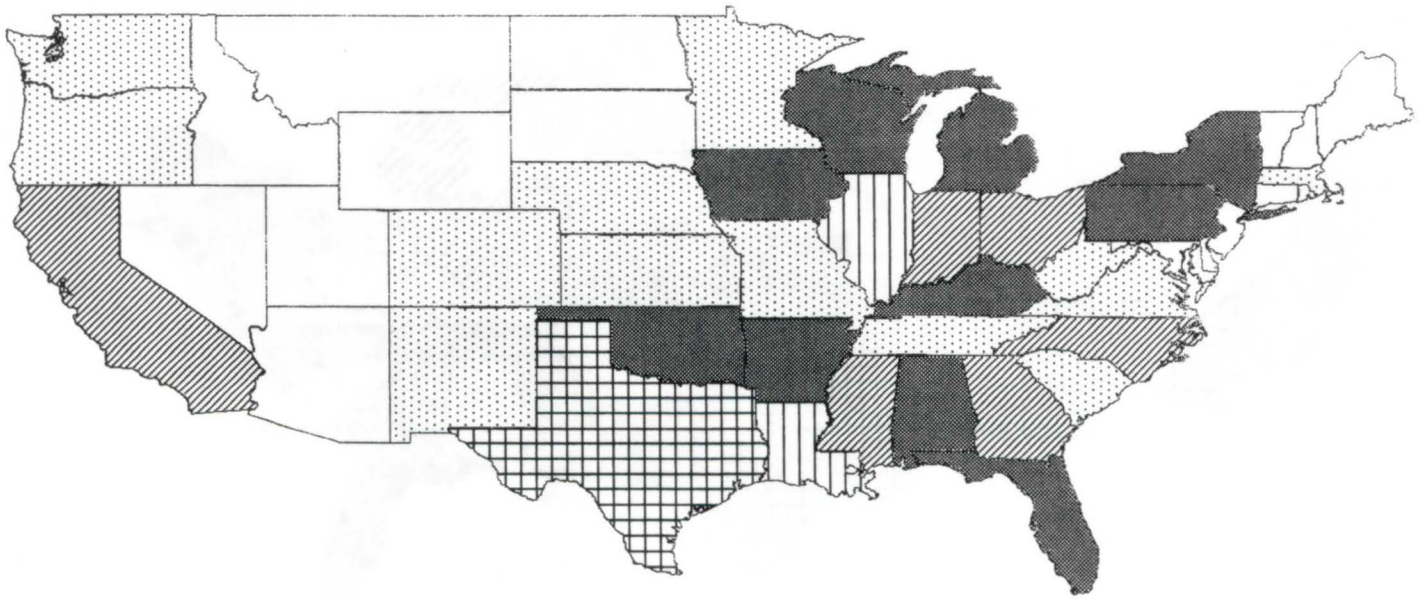
**Figure 28 – Train Accidents On Main Line Track, 1992**





COUNTS	
□	0 - 10
▤	11 - 20
▥	21 - 30
▧	31 - 40
▨	41 - 60
▩	61 - 110

**Figure 30 - Trespassers And Non Trespassers Fatalities  
Caused By Moving On-Track Equipment, 1992**



COUNTS	
□	0 - 20
◻	21 - 40
■	41 - 80
▨	81 - 120
▩	121 - 160
▧	161 - 240

**Figure 31 – Trespasser And Non Trespasser Injuries  
Caused By Moving On-Track Equipment, 1992**

# OVERVIEW OF CURRENT YEAR DATA

**Table 10. Summary Of Accidents By Type Of Track And Speed Range**

CONSIST SPEED	TOTAL ACCIDENTS	TOTAL DAMAGE	EQUIPMENT DAMAGE	TRACK DAMAGE	COLLISIONS	DERAILMENTS	OTHER ACCIDENTS	TRACK CAUSED	EQUIPMENT FAILURE	HUMAN FACTORS	OTHER CAUSES
<b>ACCIDENTS ON MAIN LINE TRACK</b>											
UNKNOWN	22	3,758,181	1,234,237	2,523,944	0	8	14	3	6	3	10
1-10	364	12,235,383	8,223,386	4,011,997	19	305	40	162	52	107	43
11-20	157	12,000,186	9,276,768	2,723,418	13	110	34	43	35	32	47
21-30	165	16,072,210	12,122,503	3,949,707	4	117	44	48	48	21	48
31-40	113	18,851,168	14,318,270	4,532,898	8	68	37	15	38	14	46
41-50	124	13,911,920	9,876,268	4,035,652	3	64	57	13	43	11	57
51-60	53	5,092,366	3,784,282	1,308,084	1	16	36	6	14	1	32
61-70	17	949,597	750,110	199,487	0	4	13	5	3	1	8
71-80	19	3,670,460	3,557,860	112,600	0	2	17	1	0	1	17
81-90	3	113,934	83,084	30,850	1	0	2	3	0	0	0
>=91	2	42,976	29,726	13,250	2	0	0	1	1	0	0
<b>TOTAL</b>	<b>1,039</b>	<b>86,698,381</b>	<b>63,256,494</b>	<b>23,441,887</b>	<b>51</b>	<b>694</b>	<b>294</b>	<b>300</b>	<b>240</b>	<b>191</b>	<b>308</b>
<b>ACCIDENTS ON YARD TRACK</b>											
UNKNOWN	45	799,606	641,302	158,304	2	17	26	14	6	16	9
1-10	1,117	27,022,938	19,918,022	7,104,916	142	775	200	398	78	539	102
11-20	42	2,934,370	1,433,204	1,501,166	2	25	15	10	5	21	6
21-30	8	412,059	274,444	137,615	1	5	2	1	1	3	3
31-40	2	146,550	115,000	31,550	0	2	0	0	1	0	1
<b>TOTAL</b>	<b>1,214</b>	<b>31,315,523</b>	<b>22,381,972</b>	<b>8,933,551</b>	<b>147</b>	<b>824</b>	<b>243</b>	<b>423</b>	<b>91</b>	<b>579</b>	<b>121</b>
<b>ACCIDENTS ON INDUSTRY, SIDING OR UNKNOWN TRACK TYPE</b>											
UNKNOWN	12	212,356	196,659	15,697	1	5	6	1	0	5	6
1-10	238	5,751,423	4,121,564	1,629,859	7	191	40	115	17	78	28
11-20	18	1,167,432	738,464	428,968	0	14	4	8	2	8	0
21-30	7	662,721	265,700	397,021	0	5	2	1	3	2	1
31-40	3	1,209,700	1,166,000	43,700	1	1	1	1	0	1	1
<b>TOTAL</b>	<b>278</b>	<b>9,003,632</b>	<b>6,488,387</b>	<b>2,515,245</b>	<b>9</b>	<b>216</b>	<b>53</b>	<b>126</b>	<b>22</b>	<b>94</b>	<b>36</b>
<b>FINAL</b>	<b>2,531</b>	<b>127,017,536</b>	<b>92,126,853</b>	<b>34,890,683</b>	<b>207</b>	<b>1,734</b>	<b>590</b>	<b>849</b>	<b>353</b>	<b>864</b>	<b>465</b>

**Table 11. Summary Of Accidents By Class Of Track**

TRACK CLASS	TOTAL ACCIDENTS	TOTAL DAMAGE	EQUIPMENT DAMAGE	TRACK DAMAGE	COLLISIONS	DERAILMENTS	OTHER ACCIDENTS	TRACK CAUSED	EQUIPMENT FAILURE	HUMAN FACTORS	OTHER CAUSES
?	258	5,830,113	4,483,207	1,346,906	17	192	49	130	11	93	24
1	1,185	32,307,208	22,534,759	9,772,449	117	847	221	434	97	516	138
2	374	17,673,244	12,916,130	4,757,114	28	281	65	155	55	104	60
3	323	32,824,765	23,123,560	9,701,205	27	207	89	82	76	83	82
4	303	30,234,775	23,271,780	6,962,995	13	161	129	29	82	52	140
5	77	7,903,944	5,581,230	2,322,714	2	45	30	14	28	16	19
6	11	243,487	216,187	27,300	3	1	7	5	4	0	2
<b>FINAL TO</b>	<b>2,531</b>	<b>127,017,536</b>	<b>92,126,853</b>	<b>34,890,683</b>	<b>207</b>	<b>1,734</b>	<b>590</b>	<b>849</b>	<b>353</b>	<b>864</b>	<b>465</b>

**Table 12. Summary Of Reportable Damage**

Type of Accident	...Track Caused...		.Equipment Caused.		...Human Factors..		...Other Causes...		...Total Damage....	
	Trk Dmg	Eqp Dmg	Trk Dmg	Eqp Dmg	Trk Dmg	Eqp Dmg	Trk Dmg	Eqp Dmg	Trk Dmg	Eqp Dmg
Derailement	11,390,373	26,211,284	8,884,234	13,170,146	5,177,658	10,924,706	3,477,002	12,284,679	28,929,267	62,590,815
Head on collision	---	---	---	---	116,100	1,672,019	15,546	574,595	131,646	2,246,614
Rear end collision	---	---	---	7,500	128,468	3,238,135	---	---	128,468	3,245,635
Side collision	4,869	85,300	64,435	756,449	419,025	5,465,712	3,000	165,628	491,329	6,473,089
Raking collision	13,300	63,423	6,650	62,794	37,584	448,256	53,800	83,707	111,334	658,180
Broken trn collisin	---	---	---	21,700	8,250	252,437	---	---	8,250	274,137
Hwy-rail crossing	---	---	---	---	---	---	1,318,430	6,758,226	1,318,430	6,758,226
RR grade crossing	---	---	---	---	112,900	114,155	---	---	112,900	114,155
Obstruction	---	---	60,000	78,300	46,003	740,730	61,650	809,150	167,653	1,628,180
Explosion-detonatin	---	---	---	8,335	---	---	---	---	---	8,335
Fire/violent ruptre	---	---	7,950	688,973	5,000	81,500	18,468	513,837	31,418	1,284,310
Other	2,783,779	1,061,532	233,054	625,876	332,926	4,331,966	110,229	825,803	3,459,988	6,845,177
TOTAL.....	14,192,321	27,421,539	9,256,323	15,420,073	6,383,914	27,269,616	5,058,125	22,015,625	34,890,683	92,126,853

**Table 13. Casualties By Type Of Person**

	Employees On Duty	Employees Not On Duty	Passengers On Trains	Non-trespassers	Trespassers	Contractor Employees	Total
<b>TRAIN ACCIDENTS</b>							
Fatalities.....	4	---	---	1	1	---	6
Injuries.....	129	---	31	5	3	---	168
Occupational illnesses...	3	---	---	---	---	---	3
Total casualties.....	136	---	31	6	4	---	177
<b>TRAIN INCIDENTS</b>							
Fatalities.....	19	---	3	6	512	8	548
Injuries.....	2,077	17	107	45	474	14	2,734
Occupational illnesses...	65	---	---	---	---	---	65
Total casualties.....	2,161	17	110	51	986	22	3,347
<b>NONTRAIN INCIDENTS</b>							
Fatalities.....	9	1	---	5	20	2	37
Injuries.....	14,519	289	191	358	63	210	15,630
Occupational illnesses...	805	3	---	---	---	---	808
Total casualties.....	15,333	293	191	363	83	212	16,475
<b>HIGHWAY-RAIL CROSSING ACCIDENTS/INCIDENTS</b>							
Fatalities.....	2	---	---	463	113	1	579
Injuries.....	147	1	82	1,501	232	2	1,965
Occupational illnesses...	10	---	---	---	---	---	10
Total casualties.....	159	1	82	1,964	345	3	2,554
<b>GRAND TOTAL</b>							
Fatalities.....	34	1	3	475	646	11	1,170
Injuries.....	16,872	307	411	1,909	772	226	20,497
Occupational illnesses...	883	3	---	---	---	---	886
Total casualties.....	17,789	311	414	2,384	1,418	237	22,553

Contractor employees are included with nontrespassers in all other tables in this publication.

Rail-highway crossing accidents/incidents may be classified as train accidents, train incidents, or nontrain incidents. In this table these casualties are shown separately.

Table 14. Total Fatalities By Type Of Person, 1992

Type of Accident/Incident	Total Killed	..Employees On Duty.. Trainmen Other	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers	Contract Workers
<b>TRAIN ACCIDENTS</b>							
Collisions.....	1	1	0	1	0	0	0
Derailments.....	2	1	0	1	0	0	1
Rail-highway Crossing.....	29	0	1	1	0	20	8
Miscellaneous.....	3	2	0	2	0	1	0
Total.....	35	4	1	5	0	21	9
<b>TRAIN INCIDENTS</b>							
Coupling and uncoupling locomotives or cars.	5	5	0	5	0	0	0
Coupling/uncoupling air/steam hose, chains..	0	0	0	0	0	0	0
Operating or on locomotives.....	1	1	0	1	0	0	0
Operating rail motorcars.....	0	0	0	0	0	0	0
Operating had brakes.....	0	0	0	0	0	0	0
Operating switches or derails.....	1	1	0	1	0	0	0
Contacting fixed objects while on locs/cars.	1	1	0	1	0	0	0
Getting on or off cars or locomotives.....	8	2	0	2	0	2	3
Collisions, derailments, etc, (<=\$6,300.00).	12	0	0	0	0	0	12
Rail-highway crossing accidents/incidents...	547	0	1	1	0	443	102
Struck by/ran into loc/car(not hwy-rr x-ing)	483	2	3	5	0	6	466
Servicing or maintenance of equipment.....	0	0	0	0	0	0	0
Maintenance of way and structures.....	2	0	2	2	0	0	0
Freight, baggage, express or mail.....	3	0	0	0	0	0	3
Windows, doors, etc., on on-track equipment.	0	0	0	0	0	0	0
Passenger car doors.....	0	0	0	0	0	0	0
Stumbling, slipping, falling, caught, N.O.C.	7	0	0	0	0	1	6
Flying or falling objects, burns,etc.,N.O.C.	0	0	0	0	0	0	0
Operation of on-track work equipment.....	2	0	2	2	0	0	0
Assault.....	0	0	0	0	0	0	0
Other occurrences.....	23	0	0	0	0	0	22
Total.....	1,095	12	8	20	0	3	449
<b>NONTRAIN INCIDENTS</b>							
Coupling and uncoupling locomotives or cars.	1	1	0	1	0	0	0
Coupling/uncoupling air/steam hose, chains..	1	1	0	1	0	0	0
Operating or on locomotives.....	0	0	0	0	0	0	0
Operating rail motorcars.....	0	0	0	0	0	0	0
Operating had brakes.....	1	1	0	1	0	0	0
Operating switches or derails.....	0	0	0	0	0	0	0
Contacting fixed objects while on locs/cars.	0	0	0	0	0	0	0
Getting on or off cars or locomotives.....	0	0	0	0	0	0	0
Rail-highway crossing accidents/incidents...	3	0	0	0	0	0	3
Struck by/ran into loc/car(not hwy-rr x-ing)	5	0	0	0	0	0	5
Servicing or maintenance of equipment.....	1	0	1	1	0	0	0
Maintenance of way and structures.....	1	0	0	0	1	0	0
Freight, baggage, express or mail.....	1	0	0	0	0	0	1
Windows, doors, etc., on on-track equipment.	1	0	1	1	0	0	0
Passenger car doors.....	0	0	0	0	0	0	0
Stumbling, slipping, falling, caught, N.O.C.	3	1	1	2	0	0	1
Flying or falling objects, burns,etc.,N.O.C.	6	0	0	0	0	1	4
Operation of on-track work equipment.....	0	0	0	0	0	0	0
Assault.....	2	0	0	0	0	1	1
Other occurrences.....	14	0	2	2	0	3	8
Total.....	40	4	5	9	1	5	23
Grand Total.....	1,170	20	14	34	1	3	475
		646	11				

Table 15. Total Nonfatal Casualties By Type Of Person, 1992

Type of Accident/Incident	Total Injured	Employees On Duty	On Duty Other	Emp Not On Duty	Passengers	Nontrespassers	Trespassers	Contract Workers
<b>TRAIN ACCIDENTS</b>								
Collisions.....	59	52	6	58	0	0	1	0
Derailments.....	71	36	6	42	0	26	0	3
Rail-highway Crossing.....	215	51	14	65	1	82	51	16
Miscellaneous.....	41	22	10	32	0	5	4	0
Total.....	386	161	36	197	1	113	56	19
<b>TRAIN INCIDENTS</b>								
Coupling and uncoupling locomotives or cars..	161	159	2	161	0	0	0	0
Coupling/uncoupling air/steam hose, chains..	28	26	2	28	0	0	0	0
Operating or on locomtives.....	604	595	7	602	2	0	0	0
Operating rail motorcars.....	14	8	5	13	0	0	0	1
Operating had brakes.....	51	49	2	51	0	0	0	0
Operating switches or derails.....	14	13	1	14	0	0	0	0
Contacting fixed objects while on locs/cars..	51	43	7	50	0	0	0	1
Getting on or off cars or locomotives.....	447	370	12	382	0	30	2	33
Collisions, derailments, etc. (<=\$6,300.00)..	96	75	10	85	0	0	1	9
Rail-highway crossing accidents/incidents...	1,726	83	9	92	0	1,418	214	2
Struck by/ran into loc/car(not hwy-rr x-ing)	432	26	10	36	0	0	15	378
Struck by/ran into loc/car(not hwy-rr x-ing)	432	26	10	36	0	0	15	378
Servicing or maintenance of equipment.....	66	2	64	66	0	0	0	0
Maintenance of way and structures.....	61	1	57	58	1	0	0	2
Freight, baggage, express or mail.....	14	5	6	11	0	0	1	2
Windows, doors, etc., on on-track equipment..	70	42	16	58	0	12	0	0
Passenger car doors.....	3	0	3	3	0	0	0	0
Stumbling, slipping, falling, caught, N.O.C.	180	74	32	106	3	33	6	30
Flying or falling objects, burns,etc.,N.O.C.	145	98	29	127	5	2	7	3
Operation of on-track work equipment.....	69	7	59	66	0	0	1	1
Assault.....	50	43	3	46	0	3	0	1
Other occurences.....	243	132	47	179	6	27	12	16
Total.....	4,525	1,851	383	2,234	17	107	1,463	688
<b>NONTRAIN INCIDENTS</b>								
Coupling and uncoupling locomotives or cars..	410	385	24	409	1	0	0	0
Coupling/uncoupling air/steam hose, chains..	206	174	32	206	0	0	0	0
Operating or on locomtives.....	490	441	47	488	1	0	0	1
Operating rail motorcars.....	21	14	6	20	1	0	0	0
Operating had brakes.....	370	348	22	370	0	0	0	0
Operating switches or derails.....	855	784	71	855	0	0	0	0
Contacting fixed objects while on locs/cars..	11	4	7	11	0	0	0	0
Getting on or off cars or locomotives.....	871	644	131	775	7	83	2	2
Rail-highway crossing accidents/incidents...	34	0	0	0	0	0	32	2
Struck by/ran into loc/car(not hwy-rr x-ing)	17	1	0	1	0	0	7	9
Servicing or maintenance of equipment.....	3,480	94	3,357	3,451	19	0	1	0
Maintenance of way and structures.....	4,495	17	4,402	4,419	29	0	2	0
Freight, baggage, express or mail.....	79	13	59	72	3	3	1	0
Windows, doors, etc., on on-track equipment..	260	126	115	241	3	10	2	1
Passenger car doors.....	19	4	4	8	0	11	0	0
Stumbling, slipping, falling, caught, N.O.C.	2,002	851	693	1,544	126	68	192	22
Flying or falling objects, burns,etc.,N.O.C.	345	166	116	282	10	3	10	11
Operation of on-track work equipment.....	57	2	53	55	1	0	1	0
Assault.....	122	42	68	110	2	2	7	1
Other occurences.....	2,328	506	1,501	2,007	89	11	133	16
Total.....	16,472	4,616	10,708	15,324	292	191	390	65
Grand Total.....	21,383	6,628	11,127	17,755	310	411	1,909	772

Table 16. Total Accidents/Incidents, 1992

Type Of Accident/Incident	.....Accidents/Incidents.....		
	Total	Fatal	Nonfatal
<b>TRAIN ACCIDENTS *</b>			
Collisions.....	207	1	34
Derailments.....	1,734	2	32
Highway-rail crossing.....	172	28	70
Miscellaneous.....	418	3	27
Total.....	2,531	34	163
<b>TRAIN INCIDENTS</b>			
Coupling and uncoupling locomotives or cars.....	166	5	161
Coupling/uncoupling air/steam hose, safety chains.	28	---	28
Operating or on locomotives.....	577	1	576
Operating rail motorcars.....	14	---	14
Operating hand brakes.....	51	---	51
Operating switches or derails.....	15	1	14
Contacting fixed objects while on locos or cars..	52	1	51
Getting on or off cars or locomotives.....	448	8	440
Collisions, derailments, etc. (below \$ threshold)	97	11	86
Highway-rail crossing accidents/incidents.....	1,695	445	1,250
Struck by/ran into loco/car(not at hwy-rr x-ing).	873	473	400
Servicing or maintenance of equipment.....	66	---	66
Maintenance of way and structures.....	62	2	60
Freight, baggage, express or mail.....	15	2	13
Windows, doors, etc., on on-track equipment.....	70	---	70
Passenger car doors.....	3	---	3
Stumbling, slipping, falling, caught, N.O.C.....	181	6	175
Flying or falling objects, burns, etc., N.O.C....	135	---	135
Operation of on-track work equipment.....	63	2	61
Assault.....	50	---	50
Other occurrences.....	259	23	236
Total.....	4,920	980	3,940
<b>NONTRAIN INCIDENTS</b>			
Coupling and uncoupling locomotives or cars.....	411	1	410
Coupling/uncoupling air/steam hose, safety chains.	206	1	205
Operating or on locomotives.....	485	---	485
Operating rail motorcars.....	21	---	21
Operating hand brakes.....	371	1	370
Operating switches or derails.....	853	---	853
Contacting fixed objects while on locos or cars..	11	---	11
Getting on or off cars or locomotives.....	870	---	870
Collisions, derailments, etc. (below \$ threshold)	---	---	---
Highway-rail crossing accidents/incidents.....	30	1	29
Struck by/ran into loco/car(not at hwy-rr x-ing).	22	5	17
Servicing or maintenance of equipment.....	3,476	1	3,475
Maintenance of way and structures.....	4,484	1	4,483
Freight, baggage, express or mail.....	79	1	78
Windows, doors, etc., on on-track equipment.....	261	1	260
Passenger car doors.....	19	---	19
Stumbling, slipping, falling, caught, N.O.C.....	2,000	3	1,997
Flying or falling objects, burns, etc., N.O.C....	341	6	335
Operation of on-track work equipment.....	57	---	57
Assault.....	122	2	120
Other occurrences.....	2,279	14	2,265
Total.....	16,398	38	16,360
Grand total.....	23,849	1,052	20,463

NOTE: Train accidents do not require a casualty to be reportable. See definition in Appendix A.

The total number of highway-rail accidents in the TRAIN ACCIDENT category only includes those that exceed the monetary threshold for reporting. Those in the TRAIN INCIDENT and NONTRAIN INCIDENT categories only include those accidents/incidents that resulted in reportable casualties.

For more information concerning highway-rail crossing accidents/incidents, refer to the "RAIL-HIGHWAY CROSSING AND INVENTORY BULLETIN."

**Table 17. Summary Of Train Accidents And Mileage By Month, 1992**

Month	Accs		Total Damage	Damage Per MTM	Train Miles			
	Accs	Per MTM			Locomotive	Motor	Yard Switching	Total
January	223	4.58	11,958,254	\$245,614.93	39,349,497	2,325,311	7,011,822	48,686,630
February	206	4.32	9,609,447	\$201,629.22	38,649,842	2,125,790	6,883,261	47,658,893
March	202	3.98	9,419,457	\$185,535.60	41,036,209	2,344,583	7,388,512	50,769,304
April	198	4.03	8,886,177	\$180,756.64	39,824,840	2,246,310	7,089,453	49,160,603
May	223	4.47	9,717,818	\$194,800.51	40,741,191	2,070,931	7,073,823	49,885,945
June	221	4.73	8,970,586	\$191,949.89	37,744,300	2,228,225	6,761,883	46,734,408
July	201	4.01	11,124,788	\$221,865.66	40,665,950	2,405,159	7,071,139	50,142,248
August	191	3.70	10,080,938	\$195,072.14	42,267,348	2,306,543	7,104,418	51,678,309
September	235	4.81	10,471,929	\$214,136.74	39,705,094	2,261,276	6,936,957	48,903,327
October	211	4.02	11,193,702	\$213,453.25	42,693,259	2,428,691	7,319,318	52,441,268
November	212	4.35	10,083,715	\$206,913.35	39,516,891	2,301,250	6,915,774	48,733,915
December	208	4.25	15,500,725	\$316,929.91	39,603,863	2,431,821	6,873,243	48,908,927
Total...	2,531	4.26	127,017,536	\$213,940.85	481,798,284	27,475,890	84,429,603	593,703,777

NOTE: "MTM" = Million train miles

**Table 18. Summary Of Train Accidents By Type Of Accident, 1992**

Type of Accident	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Derailment	149	140	135	140	155	150	144	139	163	127	147	145	1,734
Head on collision	1	---	1	---	1	1	1	1	---	4	1	3	14
Rear end collision	---	---	1	1	---	1	1	---	2	2	3	3	14
Side collision	6	11	14	14	11	13	10	11	10	12	12	8	132
Raking collision	2	4	4	1	5	1	2	3	3	4	5	5	39
Broken train collision	1	---	1	---	---	---	---	1	---	1	2	---	6
Rail-hwy crossing	12	12	15	14	17	16	10	10	23	25	7	11	172
RR grade crossing	---	1	---	---	---	---	---	---	---	1	---	---	2
Obstruction	10	6	2	2	3	2	2	---	3	5	8	4	47
Explosion-detonation	1	---	---	---	---	---	---	---	---	---	---	---	1
Fire or violent rupture	4	3	3	1	5	2	3	2	2	4	1	---	30
Other	37	29	26	25	26	35	28	24	29	26	26	29	340
Total	223	206	202	198	223	221	201	191	235	211	212	208	2,531



Table 19. Summary Of Train Accidents By Cause And Type, 1992

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Rail Hwy Crossing
	Accidents	Damage				
<b>TRACK, ROADBED AND STRUCTURES</b>						
Roadbed defects	51	5,330,263	---	50	1	---
Track geometry defects	334	11,081,263	---	330	4	---
Rail joint bar and anchoring	190	17,296,476	1	188	1	---
Frogs, switches and track appliances	228	6,571,693	2	206	20	---
Other way and structure	27	644,019	2	5	7	---
Signal and communication failures	19	690,146	5	786	53	---
Subtotal.....	849	41,613,860	10			---
<b>MECHANICAL AND ELECTRICAL FAILURES</b>						
*LOCOMOTIVE FAILURE*						
Brakes	6	247,834	1	3	2	---
Body	1	16,596	1	---	---	---
Coupler and draft system	1	602,524	---	1	---	---
Truck components	1	482,000	---	1	---	---
Axles and journal bearings	9	300,382	---	9	---	---
Wheels	2	224,235	---	1	1	---
Locomotives	18	901,772	1	6	11	---
General mechanical and electrical failures	4	95,181	---	---	4	---
Subtotal (Locomotives)..	42	2,870,524	3	21	18	---
*CAR FAILURE*						
Brakes	37	1,803,499	2	25	10	---
Trailer or container on flat car	2	64,360	---	1	1	---
Body	26	1,455,758	2	18	6	---
Coupler and draft system	39	1,402,914	4	30	5	---
Truck components	54	4,790,805	---	54	---	---
Axles and journal bearings	66	5,601,172	---	66	---	---
Wheels	72	6,320,952	---	72	---	---
Doors	3	29,200	---	3	5	---
General mechanical and electrical failures	12	337,212	---	7	---	---
Subtotal (cars).....	311	21,805,872	8	276	27	---
TOTAL EQUIPMENT FAILURES....	353	24,676,396	11	297	45	---
<b>TRAIN OPERATION - HUMAN FACTORS</b>						
Brakes, use of	126	5,423,836	27	40	59	---
Employee physical condition	1	25,900	1	---	---	---
Flagging, fixed, hand and radio signals	35	3,594,916	14	15	6	---
General switching rules	251	5,898,144	63	85	103	---
Main track authority	45	1,628,956	19	12	14	---
Train handling/train make-up	175	6,623,703	3	160	12	---
Speed	50	3,632,397	15	25	10	---
Switches, use of	148	5,735,993	24	99	25	---
Cab signals	---	---	---	---	---	---
Miscellaneous	33	1,089,685	6	11	16	---
Subtotal.....	864	33,653,530	172	447	245	---
<b>MISCELLANEOUS FACTORS</b>						
Environmental conditions	20	3,475,143	2	14	4	---
Loading procedures	42	3,396,365	4	29	9	---
Highway-rail grade crossing accidents	168	8,035,238	---	---	---	168
Unusual operational situations	104	4,107,152	1	68	33	2
Other miscellaneous	131	8,059,852	7	93	29	2
Subtotal.....	465	27,073,750	14	204	75	172
<b>GRAND TOTAL.....</b>	<b>2,531</b>	<b>127,017,536</b>	<b>207</b>	<b>1,734</b>	<b>418</b>	<b>172</b>

Table 20. Number Of Accidents Resulting From Operating Practices By Cause, 1992

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Hwy Rail Crossing
	Accidents	Damage				
<b>BRAKES, USE OF</b>						
H008 Bottling the Air	3	670,019	1	1	1	---
H017 Failure to secure engine- rr empl	10	317,635	4	2	4	---
H018 Fail to secure car hnd brk -rr emp	25	599,567	2	5	18	---
H019 Fail to release hand brk - rr emp	1	14,000	---	1	---	---
H020 Fail to apply suff. hand brakes -rr em	43	2,751,901	9	15	19	---
H021 Fail to apply car hnd brks -rr emp	23	669,404	7	7	9	---
H022 Fail to secure equip - not rr emp	4	103,950	2	2	---	---
H025 Fail to ctrl car spd use hnd brk-r emp	6	75,101	---	2	4	---
H099 Use of brakes, other	11	222,259	2	5	4	---
SUBTOTAL.....	126	5,423,836	27	40	59	---
<b>EMPLOYEE PHYSICAL CONDITION</b>						
H104 Employee asleep	1	25,900	1	---	---	---
SUBTOTAL.....	1	25,900	1	---	---	---
<b>FLAGGING, FIXED, HAND AND RADIO SIGNALS</b>						
H203 Fixed signal improperly displayed	2	30,120	---	---	2	---
H204 Fixed signal, failure to comply	6	1,217,093	4	2	---	---
H205 Flagging, improper or failure to flag	1	111,503	1	---	---	---
H206 Flagging signal, failure to comply	1	8,200	---	1	---	---
H207 Hand signal, failure to comply	3	75,025	2	1	---	---
H209 Hand signal, failure to give/receive	1	13,550	---	1	---	---
H210 Radio communication, failure to comply	5	312,891	---	4	1	---
H211 Radio communication, improper	2	22,110	---	2	---	---
H212 Radio comm., failure to give/receive	6	619,625	5	1	---	---
H215 Block signal, failure to comply	3	901,190	1	1	1	---
H216 Interlocking signal, failure to comply	3	264,313	1	2	---	---
H299 Other signal causes	2	19,296	---	---	2	---
SUBTOTAL.....	35	3,594,916	14	15	6	---
<b>GENERAL SWITCHING RULES</b>						
H301 Car(s) shoved out & left out of clear	7	88,362	3	2	2	---
H302 Cars left foul	42	637,511	11	7	24	---
H303 Derail, failure to apply or remove	8	361,468	---	8	---	---
H305 Instruction to trn/yd crew improper	14	305,391	4	4	6	---
H306 Shoving movement, absence of man	80	2,500,441	25	24	31	---
H307 Shoving movement, failure to control	28	742,019	8	7	13	---
H308 Skate, failure to remove or place	1	9,152	1	---	---	---
H309 Failure to stretch cars before shoving	3	34,400	---	2	1	---
H310 Failure to couple	5	84,262	1	---	4	---
H312 Passed couplers	29	550,896	---	22	7	---
H313 Retarder, improper manual operation	11	166,698	1	5	5	---
H399 Other general switching rules	23	417,544	9	4	10	---
SUBTOTAL.....	251	5,898,144	63	85	103	---
<b>MAIN TRACK AUTHORITY</b>						
H401 Failure to stop train in clear	18	602,734	9	5	4	---
H402 Motor car/on-trk rules, fail to comply	5	145,600	2	1	2	---
H403 Movement without authority - rr emp	3	26,450	2	1	---	---
H404 Fail to comply with trn order, etc.	6	239,680	2	1	2	---
H405 Trn orders, trk warrants, radio error	5	181,037	1	2	3	---
H406 Trn orders, trk warrants, written err	1	20,000	---	---	1	---
H499 Other main track authority causes	7	413,455	3	2	2	---
SUBTOTAL.....	45	1,628,956	19	12	14	---

Table 20. Number Of Accidents Resulting From Operating Practices By Cause, 1992

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Hwy Rail Crossing
	Accidents	Damage				
<b>TRAIN HANDLING/TRAIN MAKE-UP</b>						
H501 Improper train make-up at init term	2	257,120	---	2	---	---
H503 Buff/slack action excess, trn handling	65	1,745,937	1	63	1	---
H504 Buff/slack action excess, trn make-up	18	726,960	1	15	2	---
H505 Lat DB force on curve xcess trn hndlng	12	218,040	---	12	---	---
H506 Lat DB force on curve excess, make-up	12	321,598	---	12	---	---
H507 Lat drawbar force-short/long car combo	7	265,733	---	7	---	---
H508 Improper train make-up	8	347,451	---	8	---	---
H509 Improper train inspection	2	487,117	---	2	---	---
H510 Automatic brake, insufficient	2	501,887	---	1	1	---
H511 Automatic brake, excessive	1	10,130	---	1	---	---
H513 Automatic brake, other improper use	2	110,020	---	2	---	---
H514 Fail to allow air brks to release	1	37,110	---	1	---	---
H515 Fail to cut-out brake valves-loco	2	20,450	---	---	2	---
H516 Fail to cut-in brake valves-loco	1	25,000	---	---	1	---
H518 Dynamic brake, excessive	3	174,654	---	3	---	---
H521 Dynamic brake, other improper use	3	216,290	---	3	---	---
H522 Throttle (power), improper use	2	48,600	---	2	---	---
H523 Throttle (power), too rapid adjustment	1	57,850	---	1	---	---
H524 Excessive horsepower	---	16,520	---	---	---	---
H525 Independent brake, improper use	17	282,239	---	15	2	---
H599 Other train handling/makeup	14	752,997	1	10	3	---
SUBTOTAL.....	175	6,623,703	3	160	12	---
<b>SPEED</b>						
H601 Coupling speed excessive	22	572,742	1	13	8	---
H602 Switch movement, excessive speed	4	40,200	4	---	---	---
H603 Train inside yard limits, excess speed	11	669,329	6	4	1	---
H604 Train outside yd limits, excess speed	3	200,312	---	3	---	---
H699 Speed, other	10	2,149,814	4	5	1	---
SUBTOTAL.....	50	3,632,397	15	25	10	---
<b>SWITCHES, USE OF</b>						
H701 Spring Switch not clear before reverse	4	52,341	---	4	---	---
H702 Switch improperly lined	84	2,766,375	19	43	22	---
H703 Switch not latched or locked	6	141,268	---	6	---	---
H704 Switch previously run through	35	739,115	---	35	---	---
H705 Moveable point trk frog improper lined	2	33,322	1	1	---	---
H799 Use of switches, other	17	2,003,572	4	10	3	---
SUBTOTAL.....	148	5,735,993	24	99	25	---
<b>MISCELLANEOUS</b>						
H991 Tampering - safety/protective device	1	60,000	---	1	---	---
H999 Other train operation/human factors	32	1,029,685	6	10	16	---
SUBTOTAL.....	33	1,089,685	6	11	16	---
<b>GRAND TOTAL.....</b>	<b>864</b>	<b>33,653,530</b>	<b>172</b>	<b>447</b>	<b>245</b>	<b>---</b>

Table 21. Number Of Accidents Resulting From Mechanical And Electrical Failures By Cause, 1992

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Hwy Rail Crossing
	Accidents	Damage				
<b>BRAKES</b>						
E0HC Hnd brk link and/or connect defect	5	119,423	1	2	2	---
E00C Air hose uncoupled or burst	7	158,167	---	6	1	---
E01C Hydraulic hose uncoupled or burst	2	76,444	---	1	1	---
E03C Obstructed brake pipe	1	445,561	1	---	---	---
E04C Oth brk component dmg,worn,broke,etc.	2	28,200	---	1	1	---
E04L Oth brk parts dmg,worm,broke,etc.(LOCO)	1	80,800	---	---	1	---
E05C Brk valve malf. (undesired emergency)	3	66,106	---	2	1	---
E06C Brake valve malf. (stuck brake, etc.)	2	44,013	---	2	---	---
E06L Brk valve malf.(stuck brk, etc.)-loco	1	1,882	---	---	1	---
E07C Rigging down or dragging	8	608,178	---	8	---	---
E08C Hand brk broken or defective	5	223,933	---	2	3	---
E09C Other brake defects, cars	2	33,474	---	1	1	---
E09L Other brake defects, (LOCOMOTIVE)	4	165,152	1	3	---	---
SUBTOTAL.....	43	2,051,333	3	28	12	---
<b>TRAILER OR CONTAINER ON FLAT CAR</b>						
E11C Broken or defective tiedown equipment	1	19,360	---	1	---	---
E13C Broken or defective trailer	1	45,000	---	---	1	---
E19C Oth trailer/container on flt car def	---	---	---	---	---	---
SUBTOTAL.....	2	64,360	---	1	1	---
<b>BODY</b>						
E20C Body bolster broken or defective	1	19,720	---	1	---	---
E21C Center sill broken or bent	7	259,476	1	5	1	---
E22C Draft sill broken or bent	1	12,000	---	1	---	---
E23C Center plate broken or defective	2	287,500	---	2	---	---
E24C Ctr plate disengaged from truck	4	172,087	---	4	---	---
E25C Center pin broken or missing	2	112,700	---	2	---	---
E26C Center plate attachment defective	1	1,400	---	1	---	---
E27C Side sill broken	3	57,480	---	1	2	---
E29C Other body defects, (CAR)	5	533,395	1	1	3	---
E29L Other body defects, (LOCOMOTIVE)	1	16,596	1	---	---	---
SUBTOTAL.....	27	1,472,354	3	18	6	---
<b>COUPLER AND DRAFT SYSTEM</b>						
E30C Knuckle broken or defective	5	309,435	1	3	1	---
E31C Coupler mismatch, high/low	10	271,823	1	7	2	---
E32C Coupler drawhead broken or defective	1	200	---	1	---	---
E33C Coupler retainer pin/cross key missing	3	264,526	---	3	---	---
E34C Draft gear/mechanism broke/defective	2	21,250	---	2	---	---
E35C Coupler carrier broken or defective	2	257,303	1	1	---	---
E36C Coupler shank broken/defective	3	52,200	---	2	1	---
E37C Failure of articulated connectors	3	51,950	---	3	---	---
E39C Oth coupler/draft system defects-car	10	174,227	1	8	1	---
E39L Oth coupler/draft sys defects-loco	1	602,524	---	1	---	---
SUBTOTAL.....	40	2,005,438	4	31	5	---
<b>TRUCK COMPONENTS</b>						
E4TC Truck hunting	3	282,814	---	3	---	---
E40C Side bearing clearance insufficient	14	1,686,378	---	14	---	---
E41C Side bearing clearance excessive	2	134,955	---	2	---	---
E42C Side bearing(s) broken	1	18,500	---	1	---	---
E44C Truck bolster broken	1	65,500	---	1	---	---
E45C Side frame broken	1	687,300	---	1	---	---
E46C Truck bolster stiff	26	1,253,870	---	26	---	---
E46L Truck bolster stiff (LOCO)	1	482,000	---	1	---	---
E47C Defective snubbing	5	653,012	---	5	---	---
E49C Other truck component defects, (CAR)	1	8,476	---	1	---	---
SUBTOTAL.....	55	5,272,805	---	55	---	---

Table 21. Number Of Accidents Resulting From Mechanical And Electrical Failures By Cause, 1992

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Hwy Rail Crossing
	Accidents	Damage				
<b>AXLES AND JOURNAL BEARINGS</b>						
E51C Broken/bent axle between wheel seats	5	163,694	---	5	---	---
E51L Broke/bent axle btwn wheel seats-loco	6	225,482	---	6	---	---
E52C Journal (plain) failure from overheat	7	401,223	---	7	---	---
E52L Journal (plain) fail-overheating (LOCO)	1	10,400	---	1	---	---
E53C Journal (roller bearing) overheating	52	4,958,709	---	52	---	---
E53L Journal(roller bearing overheat-LOCO	1	57,500	---	1	---	---
E54C Journal fractured, new cold break	1	22,546	---	1	---	---
E59C Oth axle/journal bearing defect-car	1	55,000	---	1	---	---
E59L Oth axle/journal bearing defect-loco	1	7,000	---	1	---	---
SUBTOTAL.....	75	5,901,554	---	75	---	---
<b>WHEELS</b>						
E60C Broken flange	2	587,950	---	2	---	---
E61C Broken rim	8	568,822	---	8	---	---
E62C Broken plate	11	1,596,101	---	11	---	---
E63C Broken hub	1	17,200	---	1	---	---
E64C Worn Flange	27	1,082,128	---	27	---	---
E66C Damaged flange or tread (flat)	3	1,120,912	---	3	---	---
E66L Damaged flange or tread (flat) (LOCO)	1	54,635	---	---	1	---
E67C Damaged flange or tread (build up)	9	219,074	---	9	---	---
E68C Loose wheel	4	911,697	---	4	---	---
E69C Other wheel defects (CAR)	7	217,068	---	7	---	---
E69L Other wheel defects (LOCOMOTIVE)	1	169,600	---	1	---	---
SUBTOTAL.....	74	6,545,187	---	73	1	---
<b>LOCOMOTIVES</b>						
E70L Running gear failure (LOCOMOTIVE)	2	68,620	---	2	---	---
E72L Crank case or air box explosion (LOCO)	2	263,285	---	---	2	---
E73L Oil or fuel fire (LOCOMOTIVE)	5	255,000	---	---	5	---
E74L Electrically caused fire (LOCOMOTIVE)	1	39,188	---	---	1	---
E77L Broke/def swng hanger/sprng plank-loco	1	18,655	---	---	1	---
E79L Other locomotive defects	7	257,024	1	4	2	---
SUBTOTAL.....	18	901,772	1	6	11	---
<b>DOORS</b>						
E85C Bottom outlet car door open	1	10,300	---	1	---	---
E89C Other car door defects	2	18,900	---	2	---	---
SUBTOTAL.....	3	29,200	---	3	---	---
<b>GENERAL MECHANICAL AND ELECTRICAL FAILURES</b>						
E92C Articulated car connection failure	1	7,500	---	1	---	---
E99C Other mechanical/electrical failures	11	329,712	---	6	5	---
E99L Other mechanical/electrical fail(LOCO)	4	95,181	---	---	4	---
SUBTOTAL.....	16	432,393	---	7	9	---
<b>GRAND TOTAL.....</b>	<b>353</b>	<b>24,676,396</b>	<b>11</b>	<b>297</b>	<b>45</b>	<b>---</b>

Table 22. Number Of Accidents Resulting From Track, Roadbed And Structures By Cause, 1992

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Hwy Rail Crossing
	Accidents	Damage				
<b>ROADBED DEFECTS</b>						
T001 Roadbed settled or soft	37	1,340,119	---	37	---	---
T002 Washout/rain/slide/etc. dmg -track	8	3,449,618	---	7	1	---
T099 Other roadbed defects	6	540,526	---	6	---	---
SUBTOTAL.....	51	5,330,263	---	50	1	---
<b>TRACK GEOMETRY DEFECTS</b>						
T101 Cross level of track irregular(joints)	36	1,259,546	---	35	1	---
T102 Cross level track irreg.(not at joints)	32	1,137,818	---	32	---	---
T103 Deviate frm uniform top of rail profil	2	77,750	---	2	---	---
T106 Superelevation improper, excessive,etc	6	153,846	---	6	---	---
T107 Superelevation runoff improper	2	135,274	---	2	---	---
T108 Trk alignmnt irreg-not buckled/sunkink	12	386,963	---	12	---	---
T109 Track alignment irreg(buckled/sunkink)	20	1,985,419	---	20	---	---
T110 Wide gage(defective/missing crossties)	165	4,170,288	---	163	2	---
T111 Wide gage/spikes/other rail fasteners)	25	866,567	---	25	---	---
T112 Wide gage(loose,broke, etc, gage rods)	2	57,786	---	2	---	---
T113 Wide gage (due to worn rails)	17	367,501	---	17	---	---
T199 Other track geometry defects	15	482,505	---	14	1	---
SUBTOTAL.....	334	11,081,263	---	330	4	---
<b>RAIL AND JOINT BAR DEFECTS</b>						
T201 Bolt hole crack or break	3	329,214	---	3	---	---
T202 Broken base of rail	35	2,212,376	---	34	1	---
T203 Broken weld (plant)	---	6,100	---	---	---	---
T204 Broken weld (field)	3	1,057,152	---	3	---	---
T205 Defective or missing crossties	8	140,620	---	8	---	---
T206 Defect/missing spike-oth rail fastener	1	38,939	---	1	---	---
T207 Detail fracture - shelling/head check	15	4,562,548	---	15	---	---
T210 Head and web sep(outside jt bar limit)	19	951,192	---	19	---	---
T211 Head & web separation-in jt bar limit	6	196,564	---	6	---	---
T212 Horizontal split head	7	236,463	---	7	---	---
T213 Joint bar broken (compromise)	1	8,900	---	1	---	---
T215 Joint bar broken (noninsulated)	8	794,685	---	8	---	---
T216 Joint bolts, broken, or missing	1	10,400	---	1	---	---
T217 Mismatched rail-head contour	3	70,772	---	3	---	---
T220 Transverse/compound fissure	37	3,057,747	1	36	---	---
T221 Vertical split head	24	1,222,085	---	24	---	---
T222 Worn rail	4	114,633	---	4	---	---
T299 Other rail and joint bar defects	15	2,286,086	---	15	---	---
SUBTOTAL.....	190	17,296,476	1	188	1	---

Table 22. Number Of Accidents Resulting From Track, Roadbed And Structures By Cause, 1992

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Hwy Rail Crossing
	Accidents	Damage				
FROGS, SWITCHES AND TRACK APPLIANCES						
T304 Railroad crossing frog, worn or broken	---	5,400	---	---	---	---
T305 Retarder worn, broken, malfunctioning	17	255,457	1	10	6	---
T306 Retarder yard skate defective	3	37,469	1	1	1	---
T307 Spring/power switch mech. malfunction	2	22,700	---	1	1	---
T308 Stock rail worn, broken, disconnected	6	139,353	---	5	1	---
T309 Switch (hand op) stand mechanism defect	10	257,288	---	10	---	---
T310 Switch connect/operate rod broke/defect	4	764,512	---	4	---	---
T311 Switch damaged or out of adjustment	40	1,117,558	---	36	4	---
T312 Switch lug/crank broken	3	23,001	---	3	---	---
T313 Switch out of adj. insuff. anchoring	4	95,275	---	4	---	---
T314 Switch point worn or broken	109	2,983,942	---	105	4	---
T315 Switch rod worn, bent, broken, etc.	7	182,916	---	7	---	---
T317 Turnout frog(self guarded)-worn/broken	3	38,500	---	1	2	---
T399 Oth frog, switch, trk appliance defect	20	648,322	---	19	1	---
SUBTOTAL.....	228	6,571,693	2	206	20	---
OTHER WAY AND STRUCTURES						
T401 Bridge misalignment or failure	3	75,750	---	1	2	---
T403 Engineering design or construction	3	71,100	---	3	---	---
T499 Other way and structure defect	21	497,169	2	1	18	---
SUBTOTAL.....	27	644,019	2	5	20	---
SIGNAL AND COMMUNICATION FAILURES						
S006 Classyard autocontrol sys switch fail	7	136,197	2	1	4	---
S007 Class yd auto ctrl sys retarder fail	4	55,750	3	---	1	---
S010 Power device interlocking failure	1	9,531	---	1	---	---
S011 Power switch failure	2	132,757	---	2	---	---
S012 Radio communication equipment failure	2	23,711	---	1	1	---
S013 Other communication equipment failure	1	8,000	---	1	---	---
S099 Other signal failures	2	324,200	---	1	1	---
SUBTOTAL.....	19	690,146	5	7	7	---
GRAND TOTAL.....	849	41,613,860	10	786	53	---

**Table 23. Number Of Accidents Resulting From Miscellaneous Causes By Cause, 1992**

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Hwy Rail Crossing
	Accidents	Damage				
<b>ENVIRONMENTAL CONDITIONS</b>						
M101 Snow, ice, mud, gravel, coal, etc. on trk	7	179,165	---	7	---	---
M102 Extreme environmental - TORNADO	2	211,900	---	1	1	---
M103 Extreme environmental - FLOOD	1	140,000	---	1	---	---
M105 Extreme wind velocity	5	1,824,959	1	3	1	---
M199 Other extreme environmental conditions	5	1,119,119	1	2	2	---
SUBTOTAL.....	20	3,475,143	2	14	4	---
<b>LOADING PROCEDURES</b>						
M201 Load shifted	7	393,045	1	5	1	---
M202 Load fell from car	3	41,700	---	1	2	---
M203 Overloaded car	5	170,311	---	5	---	---
M204 Improperly loaded car	12	1,085,313	---	11	1	---
M205 Oversized load, misrouted	7	312,026	2	---	5	---
M206 Trailer/container tiedown eqp improper	3	796,370	---	3	---	---
M207 Improperly loaded contain/trail on car	4	197,600	1	3	---	---
M299 Miscellaneous loading procedures	1	400,000	---	1	---	---
SUBTOTAL.....	42	3,396,365	4	29	9	---
<b>HIGHWAY-RAIL GRADE CROSSING ACCIDENTS</b>						
M301 Hwy user impairment-drug/alcohol use	2	33,746	---	---	---	2
M302 Highway user inattentiveness	62	3,151,654	---	---	---	62
M303 Hwy user misjudgement	30	1,670,525	---	---	---	30
M304 Highway user cited for violation	9	235,611	---	---	---	9
M399 Other causes (highway-rail collisions)	65	2,943,702	---	---	---	65
SUBTOTAL.....	168	8,035,238	---	---	---	168
<b>UNUSUAL OPERATIONAL SITUATIONS</b>						
M401 Emergency brke appl. to avoid accident	4	88,300	---	3	---	1
M402 Object/equipment (mtr veh) on track	4	380,175	---	---	4	---
M403 Livestock on track	1	10,418	---	---	---	1
M404 Obj/equip on/fouling track, other	15	520,178	---	6	9	---
M405 Harmonic rock off, etc.	51	2,423,952	---	49	2	---
M406 Fire, other than vandalism	11	333,037	---	---	11	---
M407 Auto hump retarder failed to slow car	11	262,706	1	6	4	---
M408 Yard skate slid and failed to stop car	2	23,000	---	2	---	---
M409 Lading chains/straps fouling switches	5	65,386	---	2	3	---
SUBTOTAL.....	104	4,107,152	1	68	33	2
<b>OTHER MISCELLANEOUS</b>						
M501 Interference(not vandals)with RR op.	7	149,695	---	5	1	1
M502 Vandalism of on-track equipment	18	503,977	1	12	5	---
M503 Vandalism of track or track appliances	42	3,738,309	2	34	6	---
M504 Fail by non-rr emp to control spd of ca	2	77,019	---	1	1	---
M505 Cause under investigation	12	1,402,861	---	11	---	1
M599 Other miscellaneous causes	50	2,187,991	4	30	16	---
SUBTOTAL.....	131	8,059,852	7	93	29	2
<b>GRAND TOTAL.....</b>	<b>465</b>	<b>27,073,750</b>	<b>14</b>	<b>204</b>	<b>75</b>	<b>172</b>

**Table 24. Damage To Equipment In Train Accidents By Consist Type, 1992**

Type of consist	...Collisions....		...Derailments....		.....Other.....		..Hwy-Rail X-ing..		.....Total.....	
	Number	Damage	Number	Damage	Number	Damage	Number	Damage	Number	Damage
Freight train....	108	8,278,387	1,153	51,090,224	114	2,872,037	117	3,896,780	1,492	66,137,428
Passenger train..	13	1,041,274	32	2,727,936	61	2,086,287	38	2,644,446	144	8,499,943
Mixed train.....	---	---	1	25,500	---	---	---	---	1	25,500
Work train.....	2	625	7	295,285	5	112,394	---	---	14	408,304
Single car.....	23	263,895	26	572,488	48	702,636	3	48,500	100	1,587,519
Cut of cars.....	48	764,556	83	1,656,880	68	752,576	---	---	199	3,174,012
Yard/switching...	150	2,391,839	458	5,975,405	178	2,844,486	6	149,500	792	11,361,230
Light locos)....	24	271,234	18	247,097	20	395,586	3	19,000	65	932,917
Unknown.....	---	---	---	---	---	---	---	---	---	---
Total.....	368	13,011,810	1,778	62,590,815	494	9,766,002	167	6,758,226	2,807	92,126,853

NOTE: "Number" represents the number of consists sustaining damage

**Table 25. Accidents Involving Consists Transporting Hazardous Materials, By Type Accident, 1992**

Type Of Accident	Consists Carrying	.....Cars.....				People Evacuated	Damage To Equipment
		In Consist	Containing Hazmat	Damaged W/Hazmat	Releasing Hazmat		
Derailment	347	22,978	2,779	426	26	21,118	19,224,808
Head on collision	7	485	54	3	---	---	1,600,914
Rear end collision	4	355	35	4	---	---	185,544
Side collision	35	1,655	207	14	1	---	553,421
Raking collision	5	208	16	2	1	---	50,837
Broken train collision	1	65	3	---	---	---	500
Rail-hwy crossing	27	1,862	303	10	1	250	1,560,352
RR grade crossing	2	165	3	---	---	---	48,055
Obstruction	4	60	9	2	1	---	107,765
Explosion-detonation	---	---	---	---	---	---	---
Fire or violent rupture	3	200	66	3	1	---	166,285
Other	72	2,804	323	57	2	100	1,381,411
Total	507	30,837	3,798	521	33	21,468	24,879,892

**Table 26. Train Accidents Involving Consists Transporting Hazardous Materials**

YEAR	TOTAL NUMBER OF ACCIDENTS	ACCIDENTS IN WHICH A HAZMAT CAR WAS DAMAGED OR DERAILED	ACCIDENTS IN WHICH THERE WAS A RELEASE OF HAZARDOUS MATERIALS	ACCIDENTS WHICH RESULTED IN EVALUATION
1987	352	186	50	28
1988	475	237	44	32
1989	517	251	55	28
1990	466	236	35	20
1991	525	293	47	28
1992	482	230	27	11

**Table 27. Accidents Involving Consists Transporting Hazardous Materials, By Cause, 1992**

Cause	Consists Carrying	Cars			Releasing Hazmat	People Evacuated	Damage To Equipment
		In Consist	Containing Hazmat	Damaged W/Hazmat			
<b>TRACK, ROADBED AND STRUCTURES</b>							
Roadbed defects	8	346	37	6	---	---	180,855
Track geometry defects	55	3,294	486	70	1	26	1,349,582
Rail joint bar and anchoring	42	2,446	440	91	6	20,035	4,720,386
Frogs, switches and track appliances	49	3,079	331	59	1	412	1,264,594
Other way and structure	---	---	---	---	---	---	---
Signal and communication failures	4	195	12	3	---	---	281,369
Subtotal.....	158	9,360	1,306	229	8	20,473	7,796,786
<b>MECHANICAL AND ELECTRICAL FAILURES</b>							
Brakes	6	300	21	5	---	---	72,438
Trailer or container on flat car	---	---	---	---	---	---	---
Body	8	545	101	17	2	---	568,980
Coupler and draft system	14	1,001	128	12	1	300	725,125
Truck components	17	1,180	159	15	1	45	1,230,519
Axles and journal bearings	28	2,403	305	9	---	---	1,348,157
Wheels	16	1,040	61	15	1	---	680,662
Locomotives	4	296	12	---	---	---	76,285
Doors	1	63	3	---	---	---	10,000
General mechanical and electrical failures	2	173	5	1	---	---	24,060
Subtotal.....	96	7,001	795	74	5	345	4,736,226
<b>TRAIN OPERATION - HUMAN FACTORS</b>							
Brakes, use of	32	1,293	150	27	3	100	2,776,554
Employee physical condition	---	---	---	---	---	---	---
Flagging, fixed, hand and radio signals	11	609	33	5	1	---	708,198
General switching rules	54	2,537	313	30	2	300	812,622
Main track authority	7	308	24	5	---	---	358,891
Train handling/train make-up	35	2,835	209	34	7	---	1,677,456
Speed	11	649	158	9	1	---	313,431
Switches, use of	23	1,030	156	28	---	---	341,800
Cab signals	---	---	---	---	---	---	---
Miscellaneous	5	391	51	1	---	---	110,832
Subtotal.....	178	9,652	1,094	139	14	400	7,099,784
<b>MISCELLANEOUS FACTORS</b>							
Environmental conditions	3	282	10	2	---	---	858,100
Loading procedures	13	866	69	6	2	---	1,599,768
Highway-rail grade crossing accidents	26	1,794	294	10	1	250	1,548,852
Unusual operational situations	13	918	103	24	2	---	509,797
Other miscellaneous	20	964	127	37	1	---	730,579
Subtotal.....	75	4,824	603	79	6	250	5,247,096
<b>GRAND TOTAL.....</b>	<b>507</b>	<b>30,837</b>	<b>3,798</b>	<b>521</b>	<b>33</b>	<b>21,468</b>	<b>24,879,892</b>

Table 28. Accidents Involving Consists Transporting Hazardous Materials, By State, 1992

State	Consists Carrying	In Consist	Cars Containing Hazmat	Damaged W/Hazmat	Releasing Hazmat	People Evacuated	Damage To Equipment
Alabama.....	10	686	93	7	1	50	494,552
Alaska.....	---	---	---	---	---	---	---
Arizona.....	10	722	104	18	---	---	1,791,135
Arkansas.....	9	710	75	9	---	---	262,480
California.....	30	1,159	108	40	---	100	535,596
Colorado.....	2	45	2	1	---	---	138,850
Connecticut.....	---	---	---	---	---	---	---
Delaware.....	---	---	---	---	---	---	---
Dist of Columbia.....	---	---	---	---	---	---	---
Florida.....	2	109	5	2	---	---	562,776
Georgia.....	5	504	43	5	---	---	144,976
Idaho.....	8	628	30	6	2	---	1,015,646
Illinois.....	44	3,226	449	34	---	---	1,179,070
Indiana.....	13	920	134	20	1	45	1,079,450
Iowa.....	11	705	60	14	---	---	734,173
Kansas.....	10	592	38	5	---	---	342,706
Kentucky.....	9	511	50	7	1	---	736,578
Louisiana.....	53	2,946	611	57	3	600	2,854,359
Maine.....	8	338	24	5	1	---	191,303
Maryland.....	3	91	12	4	---	---	71,400
Massachusetts.....	1	110	2	2	---	---	26,000
Michigan.....	5	227	19	9	---	---	32,950
Minnesota.....	23	1,669	189	10	---	12	1,421,000
Mississippi.....	10	964	142	5	1	---	847,727
Missouri.....	8	575	49	6	1	---	571,423
Montana.....	16	541	113	7	1	---	296,500
Nebraska.....	9	559	43	5	4	---	576,428
Nevada.....	3	164	27	1	---	---	477,237
New Hampshire.....	1	21	3	---	---	---	---
New Jersey.....	1	16	14	4	---	---	9,500
New Mexico.....	4	179	35	7	---	---	22,950
New York.....	6	462	25	2	---	---	419,345
North Carolina.....	2	263	17	4	---	---	43,600
North Dakota.....	9	626	125	5	---	---	275,925
Ohio.....	17	1,278	94	20	---	---	343,909
Oklahoma.....	12	659	65	16	---	---	299,041
Oregon.....	11	661	32	7	---	---	173,300
Pennsylvania.....	13	463	92	26	2	---	542,671
Rhode Island.....	---	---	---	---	---	---	---
South Carolina.....	2	95	3	1	1	---	25,000
South Dakota.....	---	---	---	---	---	---	---
Tennessee.....	14	909	74	7	---	26	228,900
Texas.....	65	3,683	500	99	4	600	3,220,342
Utah.....	6	427	50	1	---	---	69,623
Vermont.....	2	92	71	11	2	---	562,909
Virginia.....	1	33	1	---	---	---	5,500
Washington.....	6	222	20	8	---	---	42,588
West Virginia.....	3	76	18	6	2	---	33,400
Wisconsin.....	24	1,517	111	6	2	20,000	920,457
Wyoming.....	6	454	26	12	4	35	1,256,617
Unknown.....	---	---	---	---	---	---	---
TOTAL.....	507	30,837	3,798	521	33	21,468	24,879,892

Table 29. Train Accidents Involving Hazardous Materials By Railroad, 1992

Railroad	TOTAL HAZMAT CONSISTS	<<<.....C In Consists	A Containing Hazmat	R S.....>>> Damaged w/Hazmat	Releasing Hazmat	People Evacuated	Damage to Equipment
<b>CLASS I RAILROADS</b>							
Amtrak (National Railroad Passenger C	0	0	0	0	0	0	0
Atchison, Topeka & Santa Fe Railway C	42	1,978	223	62	3	0	3,080,706
Burlington Northern Railroad Company	51	2,738	451	51	6	20,397	2,333,610
Chicago & North Western Transportatio	2	95	12	1	0	0	84,468
Consolidated Rail Corporation	18	1,481	73	27	2	0	916,486
CSX Transportation	40	2,584	221	43	5	45	2,650,787
Denver & Rio Grande Western Railroad	0	0	0	0	0	0	0
Grand Trunk Western Railroad Company	1	2	2	1	0	0	0
Illinois Central Railroad Company	43	2,763	499	30	1	400	1,754,141
Kansas City Southern Railway Company	3	149	30	10	0	0	290,786
Norfolk Southern Corporation	21	1,684	335	27	1	0	760,811
Soo Line Railroad Company	37	2,541	260	20	0	0	1,572,428
Southern Pacific Transportation Compa	38	1,805	184	61	3	400	1,914,092
St. Louis Southwestern Railway Compan	6	351	17	9	1	200	1,072,621
Union Pacific Railroad Company	100	6,934	829	90	7	0	4,843,570
Total Class I Railroads.....	402	25,105	3,136	432	29	21,442	21,274,506
<b>GROUP II RAILROADS **</b>							
Alton & Southern Railroad	2	158	20	2	0	0	145,800
Alaska Railroad Corporation	0	0	0	0	0	0	0
Bangor & Aroostook Railroad	2	73	6	1	0	0	14,000
Bessemer & Lake Erie Railroad Company	0	0	0	0	0	0	0
Belt Railway Company Of Chicago	4	277	8	0	0	0	102,400
Birmingham Southern Railroad Company	0	0	0	0	0	0	0
Chicago, Central & Pacific Railroad C	2	203	8	0	0	0	35,600
Cuyahoga Valley Railway Company	0	0	0	0	0	0	0
Delaware & Hudson Railway Company	2	77	3	0	0	0	257,695
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	0
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	0	0
Elgin, Joliet & Eastern Railway Compa	1	88	5	0	0	0	9,000
Florida East Coast Railway Company	1	32	3	0	0	0	10,676
Fox River Valley Railroad Corporation	2	156	10	0	0	0	10,939
Gateway Western Railway	3	152	13	1	0	0	54,935
Houston Belt & Terminal Railway Compa	5	299	36	5	0	0	45,320
Indiana Harbor Belt Railroad Company	6	452	43	2	0	0	108,600
Long Island Rail Road	0	0	0	0	0	0	0
Metro North Commuter Railroad Company	0	0	0	0	0	0	0
Montana Rail Link	11	405	24	1	0	0	178,800
Midsouth Rail Corporation	5	395	24	2	0	0	465,380
Northern Indiana Commuter Transportat	0	0	0	0	0	0	0
Northeast Illinois Regional Commuter	0	0	0	0	0	0	0
New Jersey Transit Rail Operations	0	0	0	0	0	0	0
Paducah & Louisville Railway Company	0	0	0	0	0	0	0
Port Authority Trans Hudson	0	0	0	0	0	0	0
Port Terminal Railroad Association	2	83	4	0	0	0	37,088
Southeastern Pennsylvania Transportat	0	0	0	0	0	0	0
Southrail Corporation	1	63	3	0	0	0	10,000
Southern Pacific, Chicago-St. Louis C	2	173	7	3	0	0	23,260
Springfield Terminal Railway Company	7	375	20	6	1	0	203,303
Texas Mexican Railway Company	0	0	0	0	0	0	0
Terminal Railroad Association Of St.	0	0	0	0	0	0	0
Union Railroad Company (Pittsburgh)	1	22	22	4	0	22	1,300
Wisconsin Central Ltd. (also Railway)	17	1,185	64	1	1	0	512,760
Wheeling & Lake Erie Railway Company	1	1	1	1	0	0	20,995
TOTAL GROUP II RAILROADS.....	77	4,669	324	29	2	0	2,247,851
<b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b>							
Class I Railroads	402	25,105	3,136	432	29	21,442	21,274,506
Group II Railroads **	77	4,669	324	29	2	0	2,247,851
All Other Railroads	28	1,063	338	60	2	26	1,357,535
Total All Railroads	507	30,837	3,798	521	33	21,468	24,879,892

\*\* GROUP II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

Table 30. Train Accidents By State And Type Of Accident, 1992

State	...Collisions...		...Derailments....		.....Other.....		..Hwy-Rail X-ing..		.....Total.....	
	Number	Damage	Number	Damage	Number	Damage	Number	Damage	Number	Damage
Alabama.....	4	474,950	27	674,096	4	98,456	6	409,235	41	1,656,737
Alaska.....	1	27,576	3	99,513	1	13,174	---	---	5	140,263
Arizona.....	---	---	26	2,618,537	5	149,064	---	---	31	2,767,601
Arkansas.....	2	47,762	54	1,892,318	3	42,300	10	545,074	69	2,527,454
California.....	10	739,003	105	3,590,490	21	897,597	6	513,528	142	5,740,618
Colorado.....	3	143,200	17	1,235,487	4	76,350	2	158,643	26	1,613,680
Connecticut.....	1	250,000	2	71,302	13	519,912	2	27,324	18	868,538
Delaware.....	1	21,348	2	31,822	3	95,081	---	---	6	148,251
Dist of Columbia	---	---	3	51,647	1	17,529	---	---	4	69,176
Florida.....	4	630,906	21	840,219	---	---	5	106,809	30	1,577,934
Georgia.....	8	105,900	25	995,496	12	197,443	8	198,222	53	1,497,061
Idaho.....	---	---	47	3,350,639	1	17,000	1	9,000	49	3,376,639
Illinois.....	37	1,576,598	150	4,417,843	32	816,032	12	409,806	231	7,220,279
Indiana.....	4	357,225	46	2,395,755	8	136,488	9	177,944	67	3,067,412
Iowa.....	4	235,780	52	2,381,864	11	250,145	6	461,030	73	3,328,819
Kansas.....	3	229,189	43	2,290,434	18	408,962	3	364,536	67	3,293,121
Kentucky.....	4	361,143	20	1,262,285	4	114,600	2	27,250	30	1,765,278
Louisiana.....	4	96,908	68	3,919,020	18	723,146	13	357,426	103	5,096,500
Maine.....	---	---	12	717,617	1	22,000	---	---	13	739,617
Maryland.....	3	832,746	12	207,085	2	105,155	1	15,000	18	1,159,986
Massachusetts.....	---	---	9	1,457,134	3	49,188	2	457,133	14	1,963,455
Michigan.....	4	49,357	57	1,557,521	7	303,005	4	52,500	72	1,962,383
Minnesota.....	9	1,321,378	88	6,208,910	5	84,908	3	43,700	105	7,658,896
Mississippi.....	2	624,619	15	563,794	3	179,450	3	243,920	23	1,611,783
Missouri.....	4	1,023,977	46	2,191,602	14	298,595	4	81,700	68	3,595,874
Montana.....	8	165,865	24	2,138,857	10	301,185	1	10,000	43	2,615,907
Nebraska.....	4	115,775	34	2,231,986	29	416,645	6	202,836	73	2,967,242
Nevada.....	1	18,500	12	1,152,483	2	112,438	1	20,000	16	1,303,421
New Hampshire.....	---	---	4	88,100	---	---	---	---	4	88,100
New Jersey.....	2	106,135	18	495,228	21	3,198,522	1	21,500	42	3,821,385
New Mexico.....	2	28,100	16	804,457	1	32,000	---	---	19	864,557
New York.....	8	711,387	48	3,273,211	1	656,903	4	190,604	81	4,832,105
North Carolina...	3	55,450	11	233,887	7	113,155	4	230,920	25	633,412
North Dakota.....	---	---	20	2,414,229	1	12,000	2	18,627	23	2,444,856
Ohio.....	5	92,351	57	2,607,172	10	146,072	7	97,278	79	2,942,873
Oklahoma.....	1	11,340	32	1,847,578	5	116,531	5	86,719	43	2,062,168
Oregon.....	5	177,408	26	1,873,058	9	180,468	2	23,700	42	2,254,634
Pennsylvania.....	8	379,890	51	2,211,165	10	112,271	4	652,232	73	3,355,558
Rhode Island.....	---	---	---	---	---	---	---	---	---	---
South Carolina...	2	42,200	8	662,762	1	38,200	5	63,592	16	806,754
South Dakota.....	---	---	29	1,367,807	---	---	2	184,000	31	1,551,807
Tennessee.....	4	41,200	28	1,511,194	9	151,650	1	15,000	42	1,719,044
Texas.....	18	760,955	204	9,994,201	47	1,079,284	15	1,423,570	284	13,258,010
Utah.....	3	1,221,851	17	601,577	2	108,268	---	---	22	1,931,696
Vermont.....	---	---	5	842,841	---	---	---	---	5	842,841
Virginia.....	6	467,272	18	1,558,631	2	34,250	2	23,295	28	2,083,448
Washington.....	4	38,550	36	1,717,805	19	578,132	2	53,300	61	2,387,787
West Virginia.....	1	80,000	15	1,211,040	4	69,600	4	82,300	24	1,442,940
Wisconsin.....	9	284,943	45	2,646,241	8	220,157	2	17,403	64	3,168,744
Wyoming.....	1	47,000	26	3,012,142	6	131,750	---	---	33	3,190,892
Unknown.....	---	---	---	---	---	---	---	---	---	---
TOTAL.....	207	13,995,737	1,734	91,520,082	418	13,425,061	172	8,076,656	2,531	127,017,536

Table 31. Train Accidents By State And Cause Of Accident, 1992

State	Track		Equipment		Human Factors		Miscellaneous		Total	
	Number	Damage	Number	Damage	Number	Damage	Number	Damage	Number	Damage
Alabama	13	353,754	3	59,100	14	648,779	11	595,104	41	1,656,737
Alaska	1	39,505	---	---	1	27,576	3	73,182	5	140,263
Arizona	12	376,394	10	617,457	7	1,739,825	2	33,925	31	2,767,601
Arkansas	29	652,965	14	754,624	14	495,816	12	624,049	69	2,527,454
California	47	1,576,182	14	1,032,613	53	1,544,815	28	1,587,008	142	5,740,618
Colorado	6	381,825	3	382,802	10	335,570	7	513,483	26	1,613,680
Connecticut	9	272,210	3	132,426	2	361,274	4	102,628	18	868,538
Delaware	2	83,342	1	21,348	2	19,970	1	23,591	6	148,251
Dist of Columbia	---	---	---	---	2	29,226	2	39,950	4	69,176
Florida	17	770,388	1	18,750	4	77,436	8	711,360	30	1,577,934
Georgia	7	326,509	7	323,255	27	566,625	12	280,672	53	1,497,061
Idaho	18	1,693,864	8	407,673	18	624,738	5	650,364	49	3,376,639
Illinois	73	2,050,094	20	557,341	99	3,410,717	39	1,202,127	231	7,220,279
Indiana	27	1,321,549	7	494,256	19	606,765	14	644,842	67	3,067,412
Iowa	29	1,386,409	6	159,230	24	571,932	14	1,211,248	73	3,328,819
Kansas	28	916,993	10	569,030	18	1,076,138	11	730,960	67	3,293,121
Kentucky	7	224,320	3	312,100	11	491,758	9	737,100	30	1,765,278
Louisiana	35	2,648,905	16	879,210	29	1,073,598	23	494,787	103	5,096,500
Maine	4	69,937	5	155,304	2	51,714	2	462,662	13	739,617
Maryland	5	102,160	2	35,251	9	993,950	2	28,625	18	1,159,986
Massachusetts	3	64,600	6	207,124	3	1,234,598	2	457,133	14	1,963,455
Michigan	30	987,339	3	123,922	25	392,013	14	459,109	72	1,962,383
Minnesota	49	3,281,123	21	1,800,362	23	1,408,789	12	1,168,622	105	7,658,896
Mississippi	11	426,580	6	211,506	2	633,819	4	339,878	23	1,611,783
Missouri	14	545,501	14	1,465,212	24	1,320,908	16	264,253	68	3,595,874
Montana	4	63,207	11	444,235	21	505,925	7	1,602,540	43	2,615,907
Nebraska	19	532,510	9	872,634	29	931,209	16	630,889	73	2,967,242
Nevada	3	129,900	3	863,703	8	282,538	2	27,280	16	1,303,421
New Hampshire	1	40,000	---	---	2	37,000	1	11,100	4	88,100
New Jersey	13	2,985,472	4	151,026	14	356,675	11	328,212	42	3,821,385
New Mexico	10	299,485	4	466,615	3	60,100	2	38,357	19	864,557
New York	20	583,898	16	982,395	25	1,113,204	20	2,152,608	81	4,832,105
North Carolina	6	154,017	2	58,449	10	148,570	7	272,376	25	633,412
North Dakota	9	1,970,838	7	387,111	1	18,050	6	68,857	23	2,444,856
Ohio	25	648,862	12	1,315,431	27	735,902	15	242,678	79	2,942,873
Oklahoma	17	1,305,938	4	202,645	14	421,922	8	131,663	43	2,062,168
Oregon	13	568,308	6	303,509	16	547,725	7	835,092	42	2,254,634
Pennsylvania	27	1,041,816	9	510,370	25	836,789	12	966,583	73	3,355,558
Rhode Island	---	---	---	---	---	---	---	---	---	---
South Carolina	1	9,062	1	7,500	7	193,900	7	596,292	16	806,754
South Dakota	25	1,036,609	2	309,948	2	21,250	2	184,000	31	1,551,807
Tennessee	14	720,275	7	637,000	17	216,919	4	144,850	42	1,719,044
Texas	97	4,900,816	36	2,761,277	114	3,279,134	37	2,316,783	284	13,258,010
Utah	5	175,893	4	197,207	9	1,386,770	4	171,826	22	1,931,696
Vermont	3	718,359	---	---	2	124,482	---	---	5	842,841
Virginia	7	106,957	5	620,874	11	537,722	5	817,895	28	2,083,448
Washington	17	631,986	7	630,211	24	760,419	13	365,171	61	2,387,787
West Virginia	6	320,950	1	19,200	6	325,521	11	777,269	24	1,442,940
Wisconsin	24	1,358,778	10	1,017,766	22	643,192	8	149,008	64	3,168,744
Wyoming	7	757,476	10	1,197,394	13	430,263	3	805,759	33	3,190,892
Unknown	---	---	---	---	---	---	---	---	---	---
TOTAL	849	41,613,860	353	24,676,396	864	33,653,530	465	27,073,750	2,531	127,017,536

Table 32. Train Accidents By State And Month, 1992

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Alabama.....	5	8	3	2	2	2	1	1	3	4	5	5	41
Alaska.....	1	---	---	1	---	---	1	---	1	---	1	---	5
Arizona.....	2	2	2	1	6	3	1	3	1	3	2	5	31
Arkansas.....	8	3	4	5	3	8	8	5	6	9	4	6	69
California.....	10	15	10	9	13	8	11	8	12	13	11	22	142
Colorado.....	1	2	5	2	2	2	3	2	4	---	---	3	26
Connecticut.....	1	1	2	1	2	1	2	1	1	3	---	3	18
Delaware.....	---	1	1	---	1	---	---	---	1	---	---	2	6
Dist of Columbia.....	1	---	---	1	---	2	---	---	---	---	---	---	4
Florida.....	3	2	---	5	3	3	3	1	---	3	3	4	30
Georgia.....	4	4	4	5	6	9	3	4	8	2	4	---	53
Idaho.....	1	4	1	5	4	5	3	5	5	3	5	8	49
Illinois.....	20	17	16	11	19	13	23	22	22	23	27	18	231
Indiana.....	7	5	4	2	8	6	4	6	5	5	11	4	67
Iowa.....	4	7	7	6	6	5	3	8	10	4	8	5	73
Kansas.....	6	8	1	6	3	9	6	4	4	9	6	5	67
Kentucky.....	3	5	4	3	5	1	5	2	---	1	---	1	30
Louisiana.....	8	8	8	7	12	7	11	7	12	10	7	6	103
Maine.....	2	1	1	---	1	1	1	---	1	2	3	---	13
Maryland.....	1	1	1	2	2	---	3	---	---	3	2	3	18
Massachusetts.....	3	1	1	---	---	3	1	1	2	2	---	---	14
Michigan.....	4	4	8	8	9	9	7	3	8	8	4	5	72
Minnesota.....	11	6	7	12	8	7	5	9	16	7	10	7	105
Mississippi.....	5	5	3	---	2	2	---	1	2	---	---	3	23
Missouri.....	4	7	8	9	9	4	4	6	6	2	5	4	68
Montana.....	4	4	2	4	6	3	2	2	5	2	5	4	43
Nebraska.....	7	6	9	5	6	5	8	4	6	6	5	6	73
Nevada.....	2	3	1	2	---	1	1	1	1	---	1	3	16
New Hampshire.....	---	---	1	1	1	---	---	---	---	1	---	---	4
New Jersey.....	4	2	5	3	4	3	3	5	4	1	5	3	42
New Mexico.....	2	2	---	2	1	1	---	2	3	---	1	5	19
New York.....	5	10	6	12	4	12	4	2	9	5	6	6	81
North Carolina.....	3	5	6	1	1	2	2	1	2	1	---	1	25
North Dakota.....	5	3	3	1	2	1	1	1	1	---	1	4	23
Ohio.....	5	3	8	4	9	10	5	8	9	8	2	8	79
Oklahoma.....	2	1	3	5	7	5	3	3	7	2	2	3	43
Oregon.....	4	2	4	3	2	2	4	3	2	8	3	5	42
Pennsylvania.....	8	6	8	6	5	8	8	4	1	8	4	7	73
Rhode Island.....	---	---	---	---	---	---	---	---	---	---	---	---	---
South Carolina.....	---	1	1	2	2	2	1	1	2	2	1	1	16
South Dakota.....	2	3	2	3	3	---	6	3	3	1	4	1	31
Tennessee.....	1	---	4	4	5	5	4	4	6	2	5	2	42
Texas.....	32	19	19	26	18	31	25	25	27	27	22	13	284
Utah.....	2	---	---	2	2	1	1	3	3	3	2	3	22
Vermont.....	---	---	1	1	---	1	---	1	1	---	---	---	5
Virginia.....	1	1	3	1	2	3	2	4	4	2	4	1	28
Washington.....	8	12	6	5	3	3	8	2	1	2	8	3	61
West Virginia.....	---	---	2	---	3	4	3	2	4	3	1	2	24
Wisconsin.....	7	5	4	2	6	7	3	2	8	8	7	5	64
Wyoming.....	4	1	3	---	5	1	2	5	1	3	5	3	33
Unknown.....	---	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL.....	223	206	202	198	223	221	201	191	235	211	212	208	2,531

Table 33. Casualties By State And Type Of Accident/Incident, 1992

State	.....Train Accidents.....			.....Train Incidents.....			...Nontrain Incidents...			.....Total.....		
	Killed	Injured	Illness	Killed	Injured	Illness	Killed	Injured	Illness	Killed	Injured	Illness
Alabama.....	---	10	3	20	110	2	---	145	2	20	265	7
Alaska.....	---	---	---	2	13	---	---	63	4	2	76	4
Arizona.....	---	1	---	16	48	1	---	107	1	16	156	2
Arkansas.....	1	10	---	17	91	---	1	326	11	19	427	11
California.....	2	15	---	97	312	---	---	935	23	99	1,262	23
Colorado.....	1	5	---	17	67	---	---	298	10	18	370	10
Connecticut.....	---	8	---	5	24	5	---	185	6	5	217	11
Delaware.....	---	---	---	4	6	---	---	73	2	4	79	2
Dist of Columbia.....	---	---	---	1	9	---	---	86	1	1	95	1
Florida.....	1	5	---	23	94	---	1	186	5	25	285	5
Georgia.....	1	9	---	31	122	---	---	214	3	32	345	3
Idaho.....	---	3	---	11	51	---	1	137	8	12	191	8
Illinois.....	1	18	---	82	275	3	1	1,046	22	84	1,339	25
Indiana.....	6	12	---	44	174	4	---	321	2	50	507	6
Iowa.....	---	9	---	13	95	---	1	367	32	14	471	32
Kansas.....	1	3	---	25	74	1	---	388	12	26	465	13
Kentucky.....	2	2	---	17	69	---	---	162	1	19	233	1
Louisiana.....	2	36	---	38	175	---	---	196	3	40	407	3
Maine.....	---	---	---	1	10	---	---	64	---	1	74	---
Maryland.....	---	---	---	9	33	---	2	127	3	11	160	3
Massachusetts.....	---	17	---	7	37	---	---	214	3	7	268	3
Michigan.....	---	27	---	45	128	6	2	344	196	47	499	202
Minnesota.....	1	11	---	20	88	1	3	575	40	24	674	41
Mississippi.....	---	17	---	32	112	---	---	82	6	32	211	6
Missouri.....	---	3	---	27	120	3	1	426	85	28	549	88
Montana.....	---	4	---	8	60	3	---	300	18	8	364	21
Nebraska.....	2	9	1	18	82	1	1	659	100	21	750	102
Nevada.....	---	---	---	2	24	---	---	39	---	2	63	---
New Hampshire.....	---	---	---	---	1	---	---	3	---	---	4	---
New Jersey.....	---	12	1	28	86	4	3	710	8	31	808	13
New Mexico.....	---	3	---	4	40	1	---	96	---	4	139	1
New York.....	1	14	---	33	161	15	10	1,831	31	44	2,006	46
North Carolina.....	---	5	---	39	106	---	3	105	3	42	216	3
North Dakota.....	1	2	---	6	31	---	---	192	15	7	225	15
Ohio.....	3	8	---	60	197	4	---	437	9	63	642	13
Oklahoma.....	---	3	---	34	93	1	---	182	20	34	278	21
Oregon.....	1	3	---	9	73	2	---	226	17	10	302	19
Pennsylvania.....	1	11	---	33	164	4	3	917	7	37	1,092	11
Rhode Island.....	---	---	---	---	6	---	---	10	---	---	16	---
South Carolina.....	---	1	---	20	45	---	---	87	1	20	133	1
South Dakota.....	---	2	---	2	14	1	---	59	3	2	75	4
Tennessee.....	1	2	---	26	68	1	---	170	4	27	240	5
Texas.....	3	16	---	106	435	5	1	919	22	110	1,370	27
Utah.....	---	2	---	---	51	---	---	184	5	---	237	5
Vermont.....	---	1	---	2	8	---	---	24	---	2	33	---
Virginia.....	1	46	---	17	54	---	1	224	3	19	324	3
Washington.....	2	7	---	16	146	2	4	585	36	22	738	38
West Virginia.....	---	4	---	6	32	---	---	119	2	6	155	2
Wisconsin.....	---	4	1	15	106	2	1	334	18	16	444	21
Wyoming.....	---	---	---	7	33	---	---	185	5	7	218	5
Unknown.....	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL.....	35	380	6	1,095	4,453	72	40	15,664	808	1,170	20,497	886

Table 34. Train Accident And Train Incident Fatalities To Trespassers And Nontrespassers, 1992

State	Trespassers				Nontrespassers				Total			
	Child	Adult	Unknown	Total	Child	Adult	Unknown	Total	Child	Adult	Unknown	Total
Alabama	---	4	---	4	3	13	---	16	3	17	---	20
Alaska	---	1	---	1	---	---	1	1	---	1	---	2
Arizona	---	8	3	11	---	2	---	2	---	4	---	15
Arkansas	2	3	1	6	2	9	1	12	4	12	2	18
California	3	38	38	79	---	12	6	18	3	50	44	97
Colorado	1	8	3	12	---	3	1	4	1	11	4	16
Connecticut	1	1	---	2	---	3	---	3	1	4	---	5
Delaware	---	---	---	---	---	4	---	4	---	4	---	4
Dist of Columbia	---	---	1	1	---	---	---	---	---	---	1	1
Florida	---	18	3	21	---	1	---	1	---	19	4	23
Georgia	1	17	---	18	1	12	---	13	2	8	---	31
Idaho	---	2	1	3	---	6	2	8	---	3	---	11
Illinois	1	45	2	48	2	27	4	33	3	72	6	81
Indiana	3	18	2	23	4	20	1	25	7	38	3	48
Iowa	---	5	1	6	---	7	---	7	---	12	1	15
Kansas	---	9	---	9	4	12	4	20	4	17	5	26
Kentucky	---	9	---	9	---	8	---	8	---	17	---	17
Louisiana	---	9	---	9	2	24	5	31	2	33	5	40
Maine	---	---	---	---	---	1	---	1	---	1	---	1
Maryland	3	4	---	7	---	2	---	2	---	6	---	9
Massachusetts	---	6	1	7	---	---	---	---	---	1	---	7
Michigan	---	14	2	16	1	24	3	28	1	38	5	44
Minnesota	---	8	---	8	---	10	1	11	---	18	1	19
Mississippi	1	11	2	14	2	14	2	18	3	25	4	32
Missouri	---	11	2	13	1	13	---	14	1	24	2	27
Montana	---	6	---	6	---	1	---	1	---	7	1	8
Nebraska	---	11	---	11	2	7	---	9	2	18	---	20
Nevada	---	---	2	2	---	---	---	---	---	---	2	2
New Hampshire	---	---	---	---	---	---	---	---	---	---	---	---
New Jersey	2	12	12	26	---	---	---	---	2	12	12	26
New Mexico	1	---	3	4	---	---	---	---	1	---	3	4
New York	5	17	7	29	---	3	1	4	5	20	8	33
North Carolina	1	15	2	18	1	14	5	20	2	29	7	38
North Dakota	---	3	---	3	---	4	---	4	---	7	---	7
Ohio	4	18	4	26	3	28	4	35	7	46	8	61
Oklahoma	---	11	3	14	5	12	3	20	5	23	6	34
Oregon	1	5	1	7	---	1	---	1	---	6	1	9
Pennsylvania	2	21	5	28	1	4	---	5	5	25	5	33
Rhode Island	---	---	---	---	---	---	---	---	---	---	---	---
South Carolina	1	12	3	16	---	4	---	4	1	16	3	20
South Dakota	---	---	---	---	---	1	---	1	---	1	---	1
Tennessee	---	14	---	14	3	10	---	13	3	24	---	27
Texas	2	34	13	49	7	40	11	58	9	74	24	107
Utah	---	---	---	---	---	---	---	---	---	---	---	---
Vermont	---	---	---	---	---	2	---	2	---	---	2	2
Virginia	3	11	---	14	---	2	2	4	3	13	2	18
Washington	2	8	1	11	---	6	---	6	2	14	1	17
West Virginia	1	4	---	5	---	1	---	1	1	5	---	6
Wisconsin	2	6	1	9	---	6	---	6	2	12	1	15
Wyoming	1	5	1	7	---	---	---	---	1	5	1	7
Unknown	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	44	458	121	623	45	371	63	479	89	829	184	1,102

Table 35. Train Accident And Train Incident Nonfatal Casualties To Trespassers And Nontrespassers, 1992

State	Trespassers.....				Nontrespassers.....				Total.....			
	Child	Adult	Unknown	Total	Child	Adult	Unknown	Total	Child	Adult	Unknown	Total
Alabama.....	---	10	1	11	7	59	3	69	7	69	4	80
Alaska.....	---	---	---	---	---	1	1	2	---	1	1	2
Arizona.....	---	7	3	10	---	2	8	10	---	9	11	20
Arkansas.....	2	6	1	9	3	25	7	35	5	31	8	44
California.....	10	31	33	74	---	37	11	48	10	68	44	122
Colorado.....	---	7	1	8	---	11	2	13	---	18	3	21
Connecticut.....	---	4	2	6	---	3	1	4	---	7	3	10
Delaware.....	---	---	---	---	---	---	---	---	---	---	---	---
Dist of Columbia.....	---	---	---	---	---	---	---	---	---	---	---	---
Florida.....	4	32	1	37	3	19	---	22	7	51	1	59
Georgia.....	2	26	---	28	5	53	1	59	7	79	1	87
Idaho.....	---	4	---	4	1	6	3	10	1	10	3	14
Illinois.....	13	34	7	54	9	72	13	94	22	106	20	148
Indiana.....	6	29	5	40	3	67	10	80	9	96	15	120
Iowa.....	5	6	4	15	3	36	5	44	8	42	9	59
Kansas.....	1	10	1	12	---	10	9	19	1	20	10	31
Kentucky.....	1	7	---	8	3	39	5	47	4	46	5	55
Louisiana.....	2	13	2	17	5	90	15	110	7	103	17	127
Maine.....	---	1	---	1	---	3	3	6	---	4	3	7
Maryland.....	---	1	1	2	1	5	---	6	1	6	1	8
Massachusetts.....	2	10	6	18	---	2	3	5	2	12	9	23
Michigan.....	2	18	---	20	4	52	5	61	6	70	5	81
Minnesota.....	1	6	---	7	---	27	3	30	1	33	3	37
Mississippi.....	---	8	1	9	3	49	31	83	3	57	32	92
Missouri.....	---	9	---	9	2	21	3	26	2	30	3	35
Montana.....	---	3	---	3	---	5	1	6	---	8	1	9
Nebraska.....	1	3	2	6	1	19	2	22	2	22	4	28
Nevada.....	---	4	1	5	---	---	---	---	---	4	1	5
New Hampshire.....	---	---	---	---	---	1	---	1	---	1	---	1
New Jersey.....	2	7	6	15	1	2	---	3	3	9	6	18
New Mexico.....	---	1	2	3	---	3	19	22	---	4	21	25
New York.....	6	21	4	31	2	8	4	14	8	29	8	45
North Carolina.....	1	18	2	21	3	56	9	68	4	74	11	89
North Dakota.....	1	8	---	9	1	8	---	9	2	16	---	18
Ohio.....	4	19	1	24	5	72	4	81	9	91	5	105
Oklahoma.....	1	2	---	3	5	37	9	51	6	39	9	54
Oregon.....	2	7	3	12	2	10	---	12	4	17	3	24
Pennsylvania.....	7	9	---	16	1	32	6	39	8	41	6	55
Rhode Island.....	---	---	---	---	---	---	---	---	---	---	---	---
South Carolina.....	3	9	2	14	---	20	---	20	3	29	2	34
South Dakota.....	1	---	---	1	---	12	---	12	1	12	---	13
Tennessee.....	2	10	---	12	1	25	1	27	3	35	1	39
Texas.....	9	48	14	71	20	106	39	165	29	154	53	236
Utah.....	2	1	2	5	---	3	---	3	2	4	2	8
Vermont.....	---	---	---	---	---	---	2	2	---	---	2	2
Virginia.....	1	11	2	14	---	18	2	20	1	29	4	34
Washington.....	---	7	3	10	---	15	---	15	---	22	3	25
West Virginia.....	3	7	1	11	---	13	2	15	3	20	3	26
Wisconsin.....	2	13	1	16	4	39	1	44	6	52	2	60
Wyoming.....	1	4	1	6	---	1	---	1	1	5	1	7
Unknown.....	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL.....	100	491	116	707	98	1,194	243	1,535	198	1,685	359	2,242

Table 36. Summary Of Train-Miles Operated, 1992

Railroad	Locomotive Train Miles	Motor Train Miles	Yard/Swch Train Miles	Total Train Miles	Total Employee Hours	Passenger* Miles	Revenue Passengers
<b>CLASS I RAILROADS</b>							
Amtrak (National Railroad Passenger C	34,508,732	4,363,433	2,946,384	41,818,549	46,754,286	6,478,734,901	37,338,101
Atchison, Topeka & Santa Fe Railway C	41,887,351	0	3,774,174	45,661,525	26,376,088	0	0
Burlington Northern Railroad Company	73,961,272	0	11,955,863	85,917,135	57,871,705	254,854,241	12,473,169
Chicago & North Western Transportatio	13,968,549	0	2,993,640	16,962,189	13,323,677	534,983,191	24,368,139
Consolidated Rail Corporation	33,066,863	0	9,848,082	42,914,945	47,122,116	0	0
CSX Transportation	55,946,494	0	11,388,871	67,335,365	59,844,932	62,084,530	1,994,057
Denver & Rio Grande Western Railroad	4,698,077	0	191,977	4,890,054	4,762,801	0	0
Grand Trunk Western Railroad Company	3,687,765	0	1,465,380	5,153,145	5,675,319	0	0
Illinois Central Railroad Company	5,701,730	0	1,200,273	6,902,003	6,924,531	0	0
Kansas City Southern Railway Company	5,450,729	0	1,313,208	6,763,937	3,787,699	0	0
Norfolk Southern Corporation	43,984,663	0	7,776,552	51,761,215	49,174,804	25,516,842	1,495,590
Soo Line Railroad Company	8,486,618	0	1,929,642	10,416,260	8,949,679	0	0
Southern Pacific Transportation Compa	31,059,770	0	5,863,378	36,923,148	32,276,613	78,889,477	3,362,990
St. Louis Southwestern Railway Compan	9,151,299	0	622,528	9,773,827	4,976,153	0	0
Union Pacific Railroad Company	74,374,497	0	8,851,056	83,225,553	56,718,947	0	0
Total Class I Railroads.....	439,934,409	4,363,433	72,121,008	516,418,850	424,039,350	7,435,063,182	81,032,046
<b>GROUP II RAILROADS **</b>							
Alton & Southern Railroad	0	0	739,246	739,246	701,603	0	0
Alaska Railroad Corporation	746,682	80,835	172,333	999,850	1,190,898	16,596,658	744,298
Bangor & Aroostook Railroad	343,152	12,742	39,787	395,681	667,188	0	0
Bessemer & Lake Erie Railroad Company	195,591	0	12,119	207,710	735,647	0	0
Belt Railway Company Of Chicago	255,303	0	0	255,303	895,569	0	0
Birmingham Southern Railroad Company	0	0	98,477	98,477	444,747	0	0
Chicago, Central & Pacific Railroad C	1,003,649	0	28,288	1,031,937	992,604	0	0
Cuyahoga Valley Railway Company	0	0	21,892	21,892	500,333	0	0
Delaware & Hudson Railway Company	1,618,304	0	52,600	1,670,904	1,563,479	0	0
Dakota, Minnesota & Eastern Railroad	666,623	0	0	666,623	502,714	0	0
Duluth, Missabe & Iron Range Railway	571,764	0	74,793	646,557	1,496,440	0	0
Elgin, Joliet & Eastern Railway Compa	221,110	0	286,679	507,789	1,827,445	0	0
Florida East Coast Railway Company	2,438,354	0	564,283	3,002,637	1,933,884	0	0
Fox River Valley Railroad Corporation	348,276	0	176,819	525,095	527,903	0	0
Gateway Western Railway	636,196	0	121,142	757,338	445,178	0	0
Houston Belt & Terminal Railway Compa	0	0	747,084	747,084	920,002	0	0
Indiana Harbor Belt Railroad Company	1,031,254	0	0	1,031,254	1,620,854	0	0
Long Island Rail Road	1,713,500	6,380,900	113,387	8,207,787	11,780,728	1,880,156,521	70,181,596
Metro North Commuter Railroad Company	1,474,741	5,749,283	66,709	7,290,733	10,748,262	1,614,997,173	56,427,897
Montana Rail Link	3,779,256	0	135,376	3,914,632	1,973,782	0	0
Midsouth Rail Corporation	697,653	10,464	118,990	827,107	808,961	0	0
Northern Indiana Commuter Transportat	0	714,668	0	714,668	453,545	97,562,446	3,414,852
Northeast Illinois Regional Commuter	3,083,696	0	69,561	3,153,257	4,290,557	638,315,401	31,174,282
New Jersey Transit Rail Operations	2,431,354	4,179,989	557,127	7,168,470	7,592,476	984,438,892	42,027,000
Paducah & Louisville Railway Company	516,063	0	136,820	652,883	629,013	0	0
Port Authority Trans Hudson	0	1,555,346	2,333	1,557,679	2,778,204	265,908,703	55,214,776
Port Terminal Railroad Association	0	0	951,488	951,488	801,924	0	0
Southeastern Pennsylvania Transportat	0	4,361,905	0	4,361,905	3,404,248	265,467,282	19,519,653
Southrail Corporation	364,360	0	78,766	443,126	560,299	0	0
Southern Pacific, Chicago-St. Louis C	1,764,651	0	0	1,764,651	560,653	0	0
Springfield Terminal Railway Company	1,049,558	0	131,121	1,180,679	2,376,294	0	0
Texas Mexican Railway Company	139,814	0	139,935	279,749	472,255	0	0
Terminal Railroad Association Of St.	0	0	479,681	479,681	631,314	0	0
Union Railroad Company (Pittsburgh)	0	0	123,865	123,865	689,045	0	0
Wisconsin Central Ltd. (also Railway)	2,275,480	0	508,398	2,783,878	2,432,935	63,311	574
Wheeling & Lake Erie Railway Company	359,579	0	179,923	539,502	635,310	0	0
Total Group II Railroads **.....	29,725,963	23,046,132	6,929,022	59,701,117	70,586,293	5,763,506,387	278,704,928
<b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b>							
Class I Railroads	439,934,409	4,363,433	72,121,008	516,418,850	424,039,350	7,435,063,182	81,032,046
Group II Railroads **	29,725,963	23,046,132	6,929,022	59,701,117	70,586,293	5,763,506,387	278,704,928
all Other Railroads	12,137,912	66,325	5,379,573	17,583,810	22,415,425	565,730,233	7,167,232
Total All Railroads	481,798,284	27,475,890	84,429,603	593,703,777	517,041,068	13,764,299,802	366,904,206

\* Passenger-mile: Movement of a passenger for a distance of one mile.

\*\* Group II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

Table 37, Part I. Involvement In Train Accidents By Railroad, Type And Cause, 1992

Railroad	<<.....COLLISIONS.....>>					Damages	<<.....D E R A I L M E N T S.....>>					Damages
	Human	Equip	Track	Other	Total		Human	Equip	Track	Other	Total	
<b>CLASS I RAILROADS</b>												
Amtrak (National Railroad Passenger C	3	2	2	0	7	99,522	11	3	10	3	27	2,555,126
Atchison, Topeka & Santa Fe Railway C	7	2	0	0	9	411,991	19	23	45	10	97	5,776,737
Burlington Northern Railroad Company	22	0	2	1	25	1,873,295	60	42	112	31	245	14,291,193
Chicago & North Western Transportatio	10	0	0	0	10	789,350	15	9	26	11	61	1,813,309
Consolidated Rail Corporation	11	0	0	3	14	419,655	44	27	38	12	121	5,440,990
CSX Transportation	23	0	1	2	26	2,239,400	30	8	48	27	113	6,799,355
Denver & Rio Grande Western Railroad	5	0	0	0	5	1,330,151	2	4	5	0	11	593,787
Grand Trunk Western Railroad Company	2	0	0	0	2	293,400	18	3	30	7	58	1,547,392
Illinois Central Railroad Company	2	2	0	0	4	931,319	3	8	38	2	51	2,646,359
Kansas City Southern Railway Company	3	0	0	0	3	449,358	6	7	12	1	26	878,710
Norfolk Southern Corporation	17	2	0	0	19	699,147	26	16	21	6	69	1,837,469
Soo Line Railroad Company	10	1	0	1	12	500,345	18	11	37	7	73	3,493,394
Southern Pacific Transportation Compa	17	1	1	0	19	739,886	41	20	63	16	140	6,685,423
St. Louis Southwestern Railway Compan	1	0	0	1	2	120,600	5	1	8	4	18	1,328,537
Union Pacific Railroad Company	18	0	0	3	21	785,614	105	68	123	35	331	17,944,301
Total Class I Railroads.....	151	10	6	11	178	11,683,033	403	250	616	172	1,441	73,632,082
<b>GROUP II RAILROADS **</b>												
Alton & Southern Railroad	4	0	0	0	4	56,783	5	2	3	1	11	264,237
Alaska Railroad Corporation	1	0	0	0	1	27,576	0	0	1	2	3	99,513
Bangor & Aroostook Railroad	0	0	0	0	0	0	1	3	1	1	6	501,328
Bessemer & Lake Erie Railroad Company	2	0	0	0	2	0	0	0	1	0	1	8,570
Belt Railway Company Of Chicago	2	0	4	1	7	123,100	1	1	11	4	17	451,190
Birmingham Southern Railroad Company	0	0	0	0	0	0	1	0	0	0	1	3,130
Chicago, Central & Pacific Railroad C	1	0	0	1	2	17,972	2	1	8	3	14	737,972
Cuyahoga Valley Railway Company	0	0	0	0	0	0	0	0	0	0	0	0
Delaware & Hudson Railway Company	1	0	0	0	1	500	1	2	0	3	6	516,995
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	1	7	22	1	31	1,626,462
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	0	0	1	4	0	5	278,087
Elgin, Joliet & Eastern Railway Compa	0	0	0	0	0	0	3	0	3	0	6	96,132
Florida East Coast Railway Company	0	0	0	0	0	0	1	0	8	2	11	392,236
Fox River Valley Railroad Corporation	1	0	0	0	1	20,000	2	2	1	1	6	552,745
Gateway Western Railway	1	1	0	0	2	394,611	1	1	2	0	4	88,485
Houston Belt & Terminal Railway Compa	0	0	0	0	0	0	4	0	4	1	9	94,150
Indiana Harbor Belt Railroad Company	5	0	0	0	5	37,595	4	1	10	0	15	195,048
Long Island Rail Road	1	0	0	0	1	27,982	2	0	5	2	9	1,578,704
Metro North Commuter Railroad Company	2	0	0	0	2	796,754	0	0	0	1	1	61,331
Montana Rail Link	5	1	0	0	6	112,865	5	8	2	1	16	315,425
Midsouth Rail Corporation	0	0	0	0	0	0	1	2	3	1	7	535,080
Northern Indiana Commuter Transportat	0	0	0	0	0	0	0	0	0	0	0	0
Northeast Illinois Regional Commuter	1	0	0	0	1	7,736	0	0	1	0	1	7,600
New Jersey Transit Rail Operations	1	0	0	0	1	19,110	5	0	2	1	8	212,201
Paducah & Louisville Railway Company	0	0	0	0	0	0	3	1	1	0	5	114,230
Port Authority Trans Hudson	1	0	0	0	1	87,025	0	1	0	0	1	19,720
Port Terminal Railroad Association	2	1	0	0	2	167,046	0	0	4	0	4	182,483
Southeastern Pennsylvania Transportat	1	1	0	0	2	170,598	3	0	0	0	3	64,939
Southrail Corporation	0	0	0	0	0	0	0	1	4	0	5	261,080
Southern Pacific, Chicago-St. Louis C	2	0	0	0	2	9,900	2	1	2	0	5	114,380
Springfield Terminal Railway Company	0	0	0	0	0	0	2	5	4	3	14	419,211
Texas Mexican Railway Company	0	0	0	0	0	0	1	1	1	0	3	60,229
Terminal Railroad Association Of St.	0	0	0	1	1	18,270	3	0	4	1	8	151,637
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	0	1	0	1	8,050
Wisconsin Central Ltd. (also Railway)	5	0	0	0	5	84,250	4	3	12	1	20	1,012,522
Wheeling & Lake Erie Railway Company	0	0	0	1	1	22,495	1	0	2	0	3	115,709
Total Group II Railroads **.....	37	3	4	4	48	2,202,168	59	44	127	30	260	11,140,811
<b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b>												
Class I Railroads	138	10	6	8	162	11,683,033	376	235	562	166	1,339	73,632,082
Group II Railroads **	31	1	4	3	39	2,202,168	49	39	111	24	223	11,140,811
All Other Railroads	3	0	0	3	6	110,536	22	23	113	14	172	6,747,189
Total All Railroads	172	11	10	14	207	13,995,737	447	297	786	204	1,734	91,520,082

\*\* Group II Railroads: Railroads, excluding class I, with annual accumulation of over 400,000 employee hours worked.

Reporting rules require that when multiple railroads are involved in an accident, each railroad must prepare a report that describes the extent of its involvement. An example of this would be when a train of one railroad derailed on track maintained by another railroad. In all other tables, these situations appear as a single count. In this table, when an accident involves CLASS I or GROUP II railroads, a count is made against each railroad involved. However, this duplication does not appear in the total for CLASS I or GROUP II railroads shown in the recapitulation.

Table 37, Part II. Involvement In Train Accidents By Railroad, Type And Cause, 1992

Railroad	<<.....OTHER ACCIDENTS.....>>					<<.....TOTALS.....>>			
	Human	Equip	Track	Other	Total	Damages	Accs	Rate*	Damages
<b>CLASS I RAILROADS</b>									
Amtrak (National Railroad Passenger C	4	6	8	38	56	3,045,476	90	2.15	5,700,124
Atchison, Topeka & Santa Fe Railway C	29	3	2	7	41	2,311,910	147	3.22	8,500,638
Burlington Northern Railroad Company	38	7	3	31	79	2,382,497	349	4.06	18,546,985
Chicago & North Western Transportatio	10	1	2	7	20	434,542	91	5.36	3,037,201
Consolidated Rail Corporation	11	1	2	10	24	607,134	159	3.71	6,467,779
CSX Transportation	16	0	0	31	47	770,857	186	2.76	9,809,612
Denver & Rio Grande Western Railroad	0	0	0	0	0	0	16	3.27	1,923,938
Grand Trunk Western Railroad Company	2	0	0	3	5	124,200	65	12.61	1,964,992
Illinois Central Railroad Company	7	0	7	6	20	441,380	75	10.87	4,019,058
Kansas City Southern Railway Company	1	1	0	5	7	148,686	36	5.32	1,476,754
Norfolk Southern Corporation	8	7	4	32	51	1,046,414	139	2.69	3,583,030
Soo Line Railroad Company	7	2	0	6	15	640,208	100	9.60	4,633,947
Southern Pacific Transportation Compa	12	3	0	15	30	931,413	189	5.12	8,356,722
St. Louis Southwestern Railway Compan	4	0	1	10	15	674,207	35	3.58	2,123,544
Union Pacific Railroad Company	51	5	10	30	96	1,892,157	448	5.38	20,622,072
Total Class I Railroads.....	200	36	39	231	506	15,451,081	2,125	4.11	100,766,196
<b>GROUP II RAILROADS **</b>									
Alton & Southern Railroad	0	0	0	0	0	0	15	20.29	321,020
Alaska Railroad Corporation	0	0	0	1	1	13,174	5	5.00	140,263
Bangor & Aroostook Railroad	0	0	0	0	0	0	6	15.16	501,328
Bessemer & Lake Erie Railroad Company	0	0	0	0	0	0	1	4.81	8,570
Belt Railway Company Of Chicago	1	1	1	0	3	39,200	27	105.76	613,490
Birmingham Southern Railroad Company	0	0	0	0	0	0	1	10.15	3,130
Chicago, Central & Pacific Railroad C	0	0	0	0	0	0	16	15.50	755,944
Cuyahoga Valley Railway Company	0	0	0	0	0	0	0	0.00	0
Delaware & Hudson Railway Company	0	1	0	1	2	80,000	9	5.39	597,495
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	31	46.50	1,626,462
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	0	5	7.73	278,087
Elgin, Joliet & Eastern Railway Compa	0	0	0	0	0	0	6	11.82	96,132
Florida East Coast Railway Company	0	0	0	1	1	10,509	12	4.00	402,745
Fox River Valley Railroad Corporation	1	0	0	0	1	7,967	8	15.24	580,712
Gateway Western Railway	0	0	0	0	0	0	6	7.92	483,096
Houston Belt & Terminal Railway Compa	3	1	0	0	4	111,799	13	17.40	205,949
Indiana Harbor Belt Railroad Company	3	0	0	0	3	35,250	23	22.30	267,893
Long Island Rail Road	3	0	0	4	7	201,648	17	2.07	1,808,334
Metro North Commuter Railroad Company	0	4	10	4	18	537,969	21	2.88	1,396,054
Montana Rail Link	6	1	0	1	8	105,085	30	7.66	533,375
Midsouth Rail Corporation	0	0	0	0	0	0	7	8.46	535,080
Northern Indiana Commuter Transportat	0	0	0	0	0	0	0	0.00	0
Northeast Illinois Regional Commuter	0	0	0	1	1	27,000	3	0.95	42,336
New Jersey Transit Rail Operations	3	4	4	6	17	409,676	26	3.63	640,987
Paducah & Louisville Railway Company	0	0	0	0	0	0	5	7.66	114,230
Port Authority Trans Hudson	2	1	1	0	4	2,780,942	6	3.85	2,887,687
Port Terminal Railroad Association	9	0	1	0	10	271,990	16	16.82	621,519
Southeastern Pennsylvania Transportat	4	1	0	2	7	697,628	12	2.75	933,165
Southern Pacific, Chicago-St. Louis C	0	0	0	0	0	0	5	11.28	261,080
Southern Pacific, Chicago-St. Louis C	0	0	0	1	1	24,981	8	4.53	149,261
Springfield Terminal Railway Company	2	0	0	0	2	33,000	16	13.55	452,211
Texas Mexican Railway Company	0	0	0	0	0	0	3	10.72	60,229
Terminal Railroad Association Of St.	0	0	0	0	0	0	9	18.76	169,907
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	1	8.07	8,050
Wisconsin Central Ltd. (also Railway)	1	0	0	1	2	17,895	27	9.70	1,114,667
Wheeling & Lake Erie Railway Company	0	0	0	0	0	0	4	7.41	138,204
Total Group II Railroads **.....	38	14	17	23	92	5,405,713	400	6.70	18,748,692
<b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b>									
Class I Railroads	199	34	39	208	480	15,451,081	1,981	3.84	100,766,196
Group II Railroads **	35	10	13	21	79	5,405,713	341	5.71	18,748,692
All Other Railroads	11	1	1	18	31	644,923	209	11.88	7,502,648
Total All Railroads	245	45	53	247	590	21,501,717	2,531	4.26	127,017,536

\* Accident rate per million train miles.

\*\* Group II Railroads: Railroads, excluding class I, with annual accumulation of over 400,000 employee hours worked.

Reporting rules require that when multiple railroads are involved in an accident, each railroad must prepare a report that describes the extent of its involvement. An example of this would be when a train of one railroad derailed on track maintained by another railroad. In all other tables, these situations appear as a single count. In this table, when an accident involves CLASS I or GROUP II railroads, a count is made against each railroad involved. However, this duplication does not appear in the total for CLASS I or GROUP II railroads shown in the recapitulation.

Table 38, Part I. Fatalities By Railroad And Type Of Accident/Incident, 1992

Railroad	<<.....TRAIN ACCIDENTS.....>>							<<.....TRAIN INCIDENTS.....>>						
	Eod	Enod	Psgr	Nont	Tres	Contr	Total	Eod	Enod	Psgr	Nont	Tres	Contr	Total
<b>CLASS I RAILROADS</b>														
Amtrak (National Railroad Passenger C	0	0	0	6	1	0	7	1	0	2	40	67	0	110
Atchison, Topeka & Santa Fe Railway C	1	0	0	2	0	0	3	2	0	0	22	45	0	69
Burlington Northern Railroad Company	1	0	0	2	2	0	5	2	0	0	41	48	0	91
Chicago & North Western Transportatio	0	0	0	0	0	0	0	3	0	0	8	17	0	28
Consolidated Rail Corporation	1	0	0	0	3	0	4	0	0	0	44	69	1	114
CSX Transportation	1	0	0	2	1	0	4	1	0	0	51	57	0	109
Denver & Rio Grande Western Railroad	0	0	0	0	0	0	0	1	0	0	0	2	0	3
Grand Trunk Western Railroad Company	0	0	0	0	0	0	0	1	0	0	13	2	0	16
Illinois Central Railroad Company	1	0	0	1	0	0	2	0	0	0	9	9	0	18
Kansas City Southern Railway Company	0	0	0	0	0	0	0	0	0	0	13	5	0	18
Norfolk Southern Corporation	0	0	0	2	0	0	2	1	0	0	75	78	1	155
Soo Line Railroad Company	0	0	0	0	0	0	0	0	0	0	6	11	0	17
Southern Pacific Transportation Compa	0	0	0	1	0	0	1	1	0	0	19	51	0	71
St. Louis Southwestern Railway Compan	0	0	0	0	0	0	0	1	0	0	12	6	0	19
Union Pacific Railroad Company	0	0	0	5	0	0	5	2	0	0	71	74	6	153
Total Class I Railroads.....	5	0	0	21	7	0	33	16	0	2	424	541	8	991
<b>GROUP II RAILROADS **</b>														
Alton & Southern Railroad	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Alaska Railroad Corporation	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Bangor & Aroostook Railroad	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Bessemer & Lake Erie Railroad Company	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Belt Railway Company Of Chicago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Birmingham Southern Railroad Company	0	0	0	0	0	0	0	0	0	0	3	4	0	7
Chicago, Central & Pacific Railroad C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cuyahoga Valley Railway Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delaware & Hudson Railway Company	0	0	0	0	0	0	0	0	0	0	0	4	0	4
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elgin, Joliet & Eastern Railway Compa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Florida East Coast Railway Company	0	0	0	0	0	0	0	1	0	0	0	8	0	9
Fox River Valley Railroad Corporation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gateway Western Railway	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Houston Belt & Terminal Railway Compa	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Indiana Harbor Belt Railroad Company	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Long Island Rail Road	0	0	0	1	0	0	1	1	0	0	0	14	0	15
Metro North Commuter Railroad Company	0	0	0	0	0	0	0	0	0	0	0	3	1	4
Montana Rail Link	0	0	0	0	0	0	0	0	0	0	1	3	0	4
Midsouth Rail Corporation	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Northern Indiana Commuter Transportat	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Northeast Illinois Regional Commuter	0	0	0	0	0	0	0	0	0	0	1	3	0	4
New Jersey Transit Rail Operations	0	0	0	0	0	0	0	0	1	0	19	0	0	20
Paducah & Louisville Railway Company	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Port Authority Trans Hudson	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Port Terminal Railroad Association	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Southeastern Pennsylvania Transportat	0	0	0	0	1	0	1	0	0	0	0	2	0	2
Southern Railway Corporation	0	0	0	0	0	0	0	0	0	0	2	0	0	2
Southern Pacific, Chicago-St. Louis C	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Springfield Terminal Railway Company	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Texas Mexican Railway Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terminal Railroad Association Of St.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin Central Ltd. (also Railway)	0	0	0	0	0	0	0	0	0	3	1	0	0	4
Wheeling & Lake Erie Railway Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Group II Railroads **.....	0	0	0	0	2	0	2	2	0	1	13	72	1	89
<b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b>														
Class I Railroads	5	0	0	21	7	0	33	16	0	2	424	541	8	991
Group II Railroads **	0	0	0	0	2	0	2	2	0	1	13	72	1	89
All Other Railroads	0	0	0	0	0	0	0	2	0	0	12	1	0	15
Total All Railroads	5	0	0	21	9	0	35	20	0	3	449	614	9	1,095

\*\* Group II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

- EOD = Employee on duty
- ENOD = Employee not on duty
- PSGR = Passenger on train
- NONT = Non-trespasser
- TRES = Trespasser
- CONTR = Contractor

Table 38, Part II. Fatalities By Railroad And Type of Accident/Incident, 1992

Railroad	<< N O N - T R A I N I N C I D E N T S >>							<<.....T O T A L S.....>>						
	Eod	Enod	Psgr	Nont	Tres	Contr	Total	Eod	Enod	Psgr	Nont	Tres	Contr	Total
<b>CLASS I RAILROADS</b>														
Amtrak (National Railroad Passenger C	0	0	0	0	2	0	2	1	0	2	46	70	0	119
Atchison, Topeka & Santa Fe Railway C	0	0	0	0	0	0	0	3	0	0	24	45	0	72
Burlington Northern Railroad Company	2	1	0	0	4	0	7	5	1	0	43	54	0	103
Chicago & North Western Transportatio	1	0	0	0	0	0	1	4	0	0	8	17	0	29
Consolidated Rail Corporation	0	0	0	3	2	0	5	1	0	0	47	74	1	123
CSX Transportation	1	0	0	0	2	1	4	3	0	0	53	60	2	117
Denver & Rio Grande Western Railroad	0	0	0	0	0	0	0	1	0	0	0	0	0	3
Grand Trunk Western Railroad Company	1	0	0	0	0	0	1	2	0	0	13	2	0	17
Illinois Central Railroad Company	0	0	0	0	0	0	0	1	0	0	10	9	0	20
Kansas City Southern Railway Company	0	0	0	0	0	0	0	0	0	0	13	5	0	18
Norfolk Southern Corporation	0	0	0	0	1	1	2	1	0	0	77	79	2	159
Soo Line Railroad Company	0	0	0	0	0	0	0	0	0	0	6	11	0	17
Southern Pacific Transportation Compa	0	0	0	0	0	0	0	1	0	0	20	51	0	72
St. Louis Southwestern Railway Compan	0	0	0	0	0	0	0	1	0	0	12	6	0	19
Union Pacific Railroad Company	2	0	0	1	2	0	5	4	0	0	77	76	6	163
Total Class I Railroads.....	7	1	0	4	13	2	27	28	1	2	449	561	10	1,051
<b>GROUP II RAILROADS **</b>														
Alton & Southern Railroad	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Alaska Railroad Corporation	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Bangor & Aroostook Railroad	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Bessemer & Lake Erie Railroad Company	0	0	0	0	1	0	1	0	0	0	0	2	0	2
Belt Railway Company Of Chicago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Birmingham Southern Railroad Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago, Central & Pacific Railroad C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cuyahoga Valley Railway Company	0	0	0	0	0	0	0	0	0	0	3	4	0	7
Delaware & Hudson Railway Company	0	0	0	0	3	0	3	0	0	0	0	0	0	0
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	0	0	0	0	0	7	0	7
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elgin, Joliet & Eastern Railway Compa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Florida East Coast Railway Company	0	0	0	1	0	0	1	1	0	0	0	9	0	10
Fox River Valley Railroad Corporation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gateway Western Railway	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Houston Belt & Terminal Railway Compa	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Indiana Harbor Belt Railroad Company	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Long Island Rail Road	0	0	0	3	0	0	3	1	0	0	18	0	0	19
Metro North Commuter Railroad Company	1	0	0	0	0	0	1	1	0	0	0	3	1	5
Montana Rail Link	0	0	0	0	0	0	0	0	0	0	1	3	0	4
Midsouth Rail Corporation	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Northern Indiana Commuter Transportat	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Northeast Illinois Regional Commuter	0	0	0	0	0	0	0	0	0	0	1	3	0	4
New Jersey Transit Rail Operations	0	0	0	1	1	0	2	0	0	1	20	0	0	22
Paducah & Louisville Railway Company	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Port Authority Trans Hudson	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Port Terminal Railroad Association	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Southeastern Pennsylvania Transportat	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Southrail Corporation	0	0	0	0	0	0	0	0	0	0	2	0	0	2
Southern Pacific, Chicago-St. Louis C	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Springfield Terminal Railway Company	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Texas Mexican Railway Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terminal Railroad Association Of St.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin Central Ltd. (also Railway)	0	0	0	0	0	0	0	0	0	0	3	1	0	4
Wheeling & Lake Erie Railway Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Group II Railroads *.....	1	0	0	1	9	0	11	3	0	1	14	83	1	102
<b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b>														
Class I Railroads	7	1	0	4	13	2	27	28	1	2	449	561	10	1,051
Group II Railroads **	1	0	0	1	9	0	11	3	0	1	14	83	1	102
All Other Railroads	1	0	0	0	1	0	2	3	0	0	12	2	0	17
Total All Railroads	9	1	0	5	23	2	40	34	1	3	475	646	11	1,170

\*\* Group II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

- EOD = Employee on duty
- ENOD = Employee not on duty
- PSGR = Passenger on train
- NONT = Non-trespasser
- TRES = Trespasser
- CONTR = Contractor

Table 39, Part I. Nonfatal Casualties By Railroad And Type Of Accident/Incident, 1992

Railroad	<<.....TRAIN ACCIDENTS.....>>							<<.....TRAIN INCIDENTS.....>>						
	Eod	Enod	Psgr	Nont	Tres	Contr	Total	Eod	Enod	Psgr	Nont	Tres	Contr	Total
<b>CLASS I RAILROADS</b>														
Amtrak (National Railroad Passenger C	29	1	101	6	4	0	141	172	15	48	41	59	2	337
Atchison, Topeka & Santa Fe Railway C	11	0	0	0	0	0	11	113	0	0	92	43	1	249
Burlington Northern Railroad Company	26	0	0	5	1	0	32	371	0	0	104	37	2	514
Chicago & North Western Transportatio	5	0	0	2	0	0	7	17	0	3	44	29	0	93
Consolidated Rail Corporation	6	0	0	2	1	0	9	176	0	0	95	60	2	333
CSX Transportation	19	0	0	7	4	0	30	129	0	0	226	74	0	429
Denver & Rio Grande Western Railroad	4	0	0	0	0	0	4	22	0	0	5	4	0	31
Grand Trunk Western Railroad Company	3	0	0	0	0	0	3	42	0	0	17	5	0	64
Illinois Central Railroad Company	4	0	0	1	0	0	5	21	0	0	45	12	0	78
Kansas City Southern Railway Company	1	0	0	1	0	0	2	47	0	0	65	3	0	115
Norfolk Southern Corporation	8	0	0	8	0	0	16	56	0	0	204	89	4	353
Soo Line Railroad Company	9	0	0	3	1	0	13	45	0	0	37	11	1	94
Southern Pacific Transportation Compa	4	0	0	2	0	0	6	141	0	0	70	66	0	277
St. Louis Southwestern Railway Compan	2	0	0	3	0	0	5	30	0	0	20	7	0	57
Union Pacific Railroad Company	20	0	0	6	3	0	29	382	1	0	153	89	2	627
Total Class I Railroads.....	151	1	101	46	14	0	313	1,764	16	51	1,218	588	14	3,651
<b>GROUP II RAILROADS **</b>														
Alton & Southern Railroad	0	0	0	0	0	0	0	3	0	0	2	1	0	6
Alaska Railroad Corporation	0	0	0	0	0	0	0	2	0	8	2	0	0	12
Bangor & Aroostook Railroad	0	0	0	0	0	0	0	2	0	0	4	0	0	6
Bessemer & Lake Erie Railroad Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Belt Railway Company Of Chicago	0	0	0	0	0	0	0	4	0	0	0	0	0	4
Birmingham Southern Railroad Company	0	0	0	0	0	0	0	2	0	0	0	1	0	3
Chicago, Central & Pacific Railroad C	0	0	0	0	0	0	0	5	0	0	12	2	0	19
Cuyahoga Valley Railway Company	0	0	0	0	0	0	0	9	0	0	0	0	0	9
Delaware & Hudson Railway Company	0	0	0	0	0	0	0	1	0	0	0	5	0	6
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	0	3	0	0	2	1	0	12
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	0	0	0	0	0	2	1	0	3
Elgin, Joliet & Eastern Railway Compa	0	0	0	0	0	0	0	10	0	0	3	0	0	13
Florida East Coast Railway Company	0	0	0	0	1	0	1	6	0	0	1	19	1	27
Fox River Valley Railroad Corporation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gateway Western Railway	2	0	0	0	0	0	2	2	0	0	1	0	0	3
Houston Belt & Terminal Railway Compa	1	0	0	0	0	0	1	6	0	0	6	0	0	12
Indiana Harbor Belt Railroad Company	1	0	0	0	0	0	1	6	0	0	0	8	0	14
Long Island Rail Road	6	0	4	0	0	0	10	45	1	5	1	6	0	58
Metro North Commuter Railroad Company	6	0	0	2	1	0	9	39	0	0	0	8	0	47
Montana Rail Link	2	0	0	0	0	0	2	22	0	0	4	3	0	29
Midsouth Rail Corporation	1	0	0	0	0	0	1	5	0	0	14	0	0	19
Northern Indiana Commuter Transportat	0	0	0	0	0	0	0	1	0	1	0	1	0	3
Northeast Illinois Regional Commuter	0	0	4	0	1	0	5	2	0	9	1	7	0	19
New Jersey Transit Rail Operations	2	0	2	0	1	0	5	24	0	17	0	12	0	53
Paducah & Louisville Railway Company	0	0	0	0	0	0	0	2	0	0	5	0	0	7
Port Authority Trans Hudson	8	0	0	0	0	0	8	8	0	0	0	0	0	8
Port Terminal Railroad Association	0	0	0	0	0	0	0	8	0	0	7	1	0	16
Southeastern Pennsylvania Transportat	3	0	2	0	1	0	6	22	0	5	2	3	0	32
Southrail Corporation	0	0	0	0	0	0	0	1	0	0	19	0	0	20
Southern Pacific, Chicago-St. Louis C	0	0	0	1	0	0	1	4	0	0	1	1	0	6
Springfield Terminal Railway Company	0	0	0	0	0	0	0	5	0	0	3	6	0	14
Texas Mexican Railway Company	0	0	0	0	0	0	0	5	0	0	3	0	0	8
Terminal Railroad Association Of St.	0	0	0	0	0	0	0	3	0	0	4	0	0	7
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Wisconsin Central Ltd. (also Railway)	0	0	0	1	0	0	1	8	0	0	30	1	0	39
Wheeling & Lake Erie Railway Company	0	0	0	0	0	0	0	2	0	0	8	0	0	10
Total Group II Railroads **.....	32	0	12	4	5	0	53	272	1	45	143	87	1	549
<b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b>														
Class I Railroads	151	1	101	46	14	0	313	1,764	16	51	1,218	588	14	3,651
Group II Railroads **	32	0	12	4	5	0	53	272	1	45	143	87	1	549
All Other Railroads	14	0	0	6	0	0	20	198	0	11	102	13	1	325
Total All Railroads	197	1	113	56	19	0	386	2,234	17	107	1,463	688	16	4,525

\*\* Group II Railroads: railroads, excluding Class I, with annual accumulation of over 400,000 employee hours worked.

EOD = Employee on duty  
 ENOD = Employee not on duty  
 PSGR = Passenger on train  
 NONT = Non-trespasser  
 TRES = Trespasser  
 CONTR = Contractor

Table 39, Part II. Nonfatal Casualties By Railroad And Type of Accident/Incident, 1992

Railroad	<< NON - TRAIN INCIDENTS >>							<<.....T O T A L S.....>>						
	Eod	Enod	Psgr	Nont	Tres	Contr	Total	Eod	Enod	Psgr	Nont	Tres	Contr	Total
<b>CLASS I RAILROADS</b>														
Amtrak (National Railroad Passenger C	933	51	41	36	1	8	1,070	1,134	67	190	83	64	10	1,548
Atchison, Topeka & Santa Fe Railway C	726	10	0	2	6	0	744	850	10	0	94	49	1	1,004
Burlington Northern Railroad Company	3,230	43	0	4	2	17	3,296	3,627	43	0	113	40	19	3,842
Chicago & North Western Transportatio	279	3	4	11	3	2	302	301	3	7	57	32	2	402
Consolidated Rail Corporation	1,169	33	0	10	10	33	1,255	1,351	33	0	107	71	35	1,597
CSX Transportation	875	18	0	5	0	0	898	1,023	18	0	238	78	0	1,357
Denver & Rio Grande Western Railroad	121	0	0	0	0	0	121	147	0	0	5	4	0	156
Grand Trunk Western Railroad Company	428	2	0	3	2	0	435	473	2	0	20	7	0	502
Illinois Central Railroad Company	108	1	0	2	0	0	111	133	1	0	48	12	0	194
Kansas City Southern Railway Company	46	0	0	2	0	0	48	94	0	0	68	3	0	165
Norfolk Southern Corporation	492	24	1	12	5	75	609	556	24	1	224	94	79	978
Soo Line Railroad Company	413	5	0	2	1	0	421	467	5	0	42	13	1	528
Southern Pacific Transportation Compa	951	13	0	4	2	1	971	1,096	13	0	76	68	1	1,254
St. Louis Southwestern Railway Compan	124	1	0	1	0	1	126	156	1	0	23	8	0	188
Union Pacific Railroad Company	1,585	32	0	30	8	21	1,676	1,987	33	0	189	100	23	2,332
Total Class I Railroads.....	11,480	236	46	123	41	157	12,083	13,395	253	198	1,387	643	171	16,047
<b>GROUP II RAILROADS **</b>														
Alton & Southern Railroad	6	0	0	0	0	0	6	9	0	0	2	1	0	12
Alaska Railroad Corporation	45	1	1	0	0	0	47	47	1	9	2	0	0	59
Bangor & Aroostook Railroad	34	0	0	0	0	0	34	36	0	0	4	0	0	40
Bessemer & Lake Erie Railroad Company	10	0	0	0	0	0	10	10	0	0	0	0	0	10
Belt Railway Company Of Chicago	27	0	0	0	0	0	27	31	0	0	0	0	0	31
Birmingham Southern Railroad Company	14	0	0	0	0	0	14	16	0	0	0	1	0	17
Chicago, Central & Pacific Railroad C	46	0	0	1	0	0	47	51	0	0	13	2	0	66
Cuyahoga Valley Railway Company	33	0	0	0	0	0	33	42	0	0	0	0	0	42
Delaware & Hudson Railway Company	24	0	0	0	0	0	24	25	0	0	0	5	0	30
Dakota, Minnesota & Eastern Railroad	18	0	0	0	0	0	18	21	0	0	8	1	0	30
Duluth, Missabe & Iron Range Railway	66	0	0	22	1	0	89	66	0	0	24	2	0	92
Elgin, Joliet & Eastern Railway Compa	41	0	0	0	0	1	42	51	0	0	3	0	1	55
Florida East Coast Railway Company	14	0	0	0	2	0	16	20	0	0	1	22	1	44
Fox River Valley Railroad Corporation	29	0	0	0	0	0	29	33	0	0	0	0	0	33
Gateway Western Railway	6	0	0	0	0	0	6	10	0	0	1	0	0	11
Houston Belt & Terminal Railway Compa	15	0	0	0	0	0	15	22	0	0	6	0	0	28
Indiana Harbor Belt Railroad Company	39	2	0	0	0	0	41	46	2	0	0	8	0	56
Long Island Rail Road	779	14	9	35	8	2	847	830	15	18	36	14	2	915
Metro North Commuter Railroad Company	535	25	14	19	2	12	607	580	25	14	21	11	12	663
Montana Rail Link	74	0	0	1	0	0	75	98	0	0	5	3	0	106
Midsouth Rail Corporation	8	0	0	0	0	0	8	14	0	0	14	0	0	28
Northern Indiana Commuter Transportat	28	0	3	11	0	0	42	29	0	4	11	1	0	45
Northeast Illinois Regional Commuter	88	4	23	6	4	3	128	90	4	36	7	12	3	152
New Jersey Transit Rail Operations	220	7	69	52	2	1	351	246	7	88	52	15	1	409
Paducah & Louisville Railway Company	26	0	0	0	0	0	26	28	0	0	5	0	0	33
Port Authority Trans Hudson	191	0	0	75	0	0	266	207	0	0	75	0	0	282
Port Terminal Railroad Association	11	0	0	0	0	0	11	19	0	0	7	1	0	27
Southeastern Pennsylvania Transportat	139	1	17	32	0	0	189	164	1	24	34	4	0	227
Southrail Corporation	13	0	0	1	0	0	14	14	0	0	20	0	0	34
Southern Pacific, Chicago-St. Louis C	14	0	0	0	0	0	14	18	0	0	2	1	0	21
Springfield Terminal Railway Company	50	0	0	0	0	0	50	55	0	0	3	6	0	64
Texas Mexican Railway Company	42	0	0	0	0	0	42	47	0	0	3	0	0	50
Terminal Railroad Association Of St.	9	0	0	0	1	0	10	12	0	0	4	1	0	17
Union Railroad Company (Pittsburgh)	21	0	0	0	0	0	21	22	0	0	0	0	0	22
Wisconsin Central Ltd. (also Railway)	65	0	0	2	0	0	67	73	0	0	33	1	0	107
Wheeling & Lake Erie Railway Company	17	0	0	0	0	0	17	19	0	0	8	0	0	27
Total Group II Railroads **.....	2,797	54	136	257	20	19	3,283	3,101	55	193	404	112	20	3,885
<b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b>														
Class I Railroads	11,480	236	46	123	41	157	12,083	13,395	253	198	1,387	643	171	16,047
Group II Railroads **	2,797	54	136	257	20	19	3,283	3,101	55	193	404	112	20	3,885
All Other Railroads	1,047	2	9	10	4	34	1,106	1,259	2	20	118	17	35	1,451
Total All Railroads	15,324	292	191	390	65	210	16,472	17,755	310	411	1,909	772	226	21,385

\*\* Group II Railroads: railroads, excluding Class I, with annual accumulation of over 400,000 employee hours worked.

- EOD = Employee on duty
- ENOD = Employee not on duty
- PSGR = Passenger on train
- NONT = Non-trespasser
- TRES = Trespasser
- CONTR = Contractor

Table 40, Part I. Injuries To Employees On Duty By Type Of Injury And Railroad, 1992

Railroad	<<.....A M P U T A T I O N S.....>>					<<.....F R A C T U R E S.....>>						
	Arm/ Hand	Finger	Leg/ Foot	Toe	Other Part	Total	Arm/ Hand	Finger	Leg/ Foot	Toe	Other Part	Total
<b>CLASS I RAILROADS</b>												
Amtrak (National Railroad Passenger C	0	1	0	0	0	1	9	27	15	8	12	71
Atchison, Topeka & Santa Fe Railway C	0	2	0	0	0	2	4	23	13	10	12	62
Burlington Northern Railroad Company	1	4	1	0	0	6	24	57	45	12	33	171
Chicago & North Western Transportatio	0	1	0	0	0	1	7	13	9	3	5	37
Consolidated Rail Corporation	0	1	2	0	0	3	11	29	31	11	22	104
CSX Transportation	1	5	0	0	0	6	16	28	21	9	21	95
Denver & Rio Grande Western Railroad	0	0	3	0	0	3	3	2	1	0	5	11
Grand Trunk Western Railroad Company	0	0	0	0	0	0	2	2	4	2	1	11
Illinois Central Railroad Company	1	1	1	0	0	3	2	4	2	1	3	12
Kansas City Southern Railway Company	0	0	0	0	0	0	1	2	3	0	4	10
Norfolk Southern Corporation	0	0	1	0	0	1	8	13	11	1	9	42
Soo Line Railroad Company	0	1	0	0	0	1	8	7	6	2	6	29
Southern Pacific Transportation Compa	0	3	0	0	0	3	7	17	21	3	11	59
St. Louis Southwestern Railway Compan	0	0	0	0	0	0	0	3	3	1	1	8
Union Pacific Railroad Company	0	4	2	0	0	6	18	35	20	5	25	103
Total Class I Railroads.....	3	23	10	0	0	36	120	262	205	68	170	825
<b>GROUP II RAILROADS **</b>												
Alton & Southern Railroad	0	0	0	0	0	0	0	1	0	0	0	1
Alaska Railroad Corporation	0	0	0	0	0	0	0	5	0	0	3	8
Bangor & Aroostook Railroad	0	0	0	0	0	0	0	0	1	0	0	1
Bessemer & Lake Erie Railroad Company	0	0	0	0	0	0	0	0	0	0	1	1
Belt Railway Company Of Chicago	0	0	0	0	0	0	1	0	0	0	1	2
Birmingham Southern Railroad Company	0	0	0	0	0	0	0	1	2	0	0	3
Chicago, Central & Pacific Railroad C	0	0	0	0	0	0	0	1	0	0	1	2
Cuyahoga Valley Railway Company	0	0	0	0	0	0	1	0	2	1	1	5
Delaware & Hudson Railway Company	0	0	0	0	0	0	0	1	1	1	1	4
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	0	1	1	1	0	3
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	0	0	0	3	0	0	3
Elgin, Joliet & Eastern Railway Compa	0	0	0	0	0	0	1	2	1	2	2	8
Florida East Coast Railway Company	0	0	0	0	0	0	0	0	0	0	0	0
Fox River Valley Railroad Corporation	0	0	0	0	0	0	0	0	1	0	1	2
Gateway Western Railway	0	0	0	0	0	0	0	0	0	0	0	0
Houston Belt & Terminal Railway Compa	0	0	0	0	0	0	0	0	0	1	1	2
Indiana Harbor Belt Railroad Company	0	0	0	0	0	0	0	0	1	1	0	2
Long Island Rail Road	0	0	0	0	0	0	4	1	4	1	1	11
Metro North Commuter Railroad Company	0	0	0	0	0	0	7	9	2	6	4	28
Montana Rail Link	0	0	0	0	0	0	2	1	0	1	1	5
Midsouth Rail Corporation	0	0	0	0	0	0	0	0	1	0	3	4
Northern Indiana Commuter Transportat	0	0	0	0	0	0	0	1	0	0	0	1
Northeast Illinois Regional Commuter	0	1	0	0	0	1	1	1	1	1	0	4
New Jersey Transit Rail Operations	0	0	0	0	0	0	1	10	5	1	5	22
Paducah & Louisville Railway Company	0	0	0	0	0	0	0	0	0	0	1	1
Port Authority Trans Hudson	0	0	0	0	0	0	2	1	2	0	1	6
Port Terminal Railroad Association	0	0	0	0	0	0	0	0	0	1	0	1
Southeastern Pennsylvania Transportat	0	0	0	0	0	0	4	4	4	0	1	13
Southrail Corporation	0	0	0	0	0	0	0	2	0	0	0	2
Southern Pacific, Chicago-St. Louis C	0	0	0	0	0	0	0	1	2	0	0	3
Springfield Terminal Railway Company	0	0	0	0	0	0	0	1	4	0	0	5
Texas Mexican Railway Company	0	0	0	0	0	0	0	1	0	0	0	1
Terminal Railroad Association Of St.	0	0	0	0	0	0	1	0	0	0	0	1
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin Central Ltd. (also Railway)	0	0	0	0	0	0	1	1	0	0	0	2
Wheeling & Lake Erie Railway Company	0	0	0	0	0	0	0	0	0	0	1	1
Total Group II Railroads **.....	0	1	0	0	0	1	26	46	38	18	30	158
<b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b>												
Class I Railroads	3	23	10	0	0	36	120	262	205	68	170	825
Group II Railroads **	0	1	0	0	0	1	26	46	38	18	30	158
All Other Railroads	0	8	0	5	0	13	11	30	25	10	13	89
Total All Railroads	3	32	10	5	0	50	157	338	268	96	213	1,072

\*\* Group II Railroads: Railroads, excluding Class I, with annual accumulation of over 400,000 employee hours worked.

Table 40, Part II. Injuries To Employees On Duty By Type Of Injury And Railroad, 1992

Railroad	<<..... O T H E R I N J U R I E S .....>>									TOTALS
	Bruise	Sprain/ Strain	Cut	Elec Burn	Other Burns	Dislo- cation	Object in-eye	Other	Total	
<b>CLASS I RAILROADS</b>										
Amtrak (National Railroad Passenger C	232	495	141	8	15	4	39	126	1,060	1,132
Atchison, Topeka & Santa Fe Railway C	139	436	78	4	10	5	43	61	776	840
Burlington Northern Railroad Company	389	2,000	267	2	38	13	164	237	3,110	3,287
Chicago & North Western Transportatio	33	155	31	2	3	1	12	14	251	289
Consolidated Rail Corporation	259	679	111	3	4	3	64	81	1,204	1,311
CSX Transportation	144	558	88	2	10	3	18	84	907	1,008
Denver & Rio Grande Western Railroad	14	74	21	3	2	2	6	8	130	144
Grand Trunk Western Railroad Company	41	137	18	0	5	1	34	16	252	263
Illinois Central Railroad Company	14	62	30	1	0	1	2	5	115	130
Kansas City Southern Railway Company	16	47	3	0	0	3	2	12	83	93
Norfolk Southern Corporation	85	254	83	3	7	2	21	54	509	552
Soo Line Railroad Company	64	267	39	1	5	3	17	29	425	455
Southern Pacific Transportation Compa	209	510	125	3	19	6	62	71	1,005	1,067
St. Louis Southwestern Railway Compan	30	79	20	0	1	2	5	11	148	156
Union Pacific Railroad Company	230	997	176	3	31	14	0	299	1,750	1,859
Total Class I Railroads.....	1,899	6,750	1,231	35	150	63	489	1,108	11,725	12,586
<b>GROUP II RAILROADS **</b>										
Alton & Southern Railroad	2	4	0	1	0	0	1	0	8	9
Alaska Railroad Corporation	3	18	10	1	0	0	1	2	35	43
Bangor & Aroostook Railroad	3	22	1	0	2	0	3	4	35	36
Bessemer & Lake Erie Railroad Company	0	6	1	0	0	0	1	0	8	9
Belt Railway Company Of Chicago	5	15	5	0	1	0	0	3	29	31
Birmingham Southern Railroad Company	0	7	4	0	0	0	2	0	13	16
Chicago, Central & Pacific Railroad C	10	25	6	0	0	1	5	2	49	51
Cuyahoga Valley Railway Company	6	22	1	1	3	0	2	2	37	42
Delaware & Hudson Railway Company	5	11	3	0	1	0	0	1	21	25
Dakota, Minnesota & Eastern Railroad	5	8	3	0	0	1	1	0	18	21
Duluth, Missabe & Iron Range Railway	11	38	6	0	1	0	3	4	63	66
Elgin, Joliet & Eastern Railway Compa	8	16	5	1	2	0	9	2	43	51
Florida East Coast Railway Company	2	6	6	0	1	0	2	2	19	19
Fox River Valley Railroad Corporation	7	15	3	0	0	0	3	1	29	31
Gateway Western Railway	0	3	5	0	0	0	0	2	10	10
Houston Belt & Terminal Railway Compa	3	12	4	0	0	0	0	1	20	22
Indiana Harbor Belt Railroad Company	9	23	4	1	0	2	1	4	44	46
Long Island Rail Road	142	457	77	18	4	4	41	61	804	815
Metro North Commuter Railroad Company	113	254	59	9	8	12	33	31	519	547
Montana Rail Link	10	57	6	0	1	0	10	8	92	97
Midsouth Rail Corporation	1	5	4	0	0	0	0	0	10	14
Northern Indiana Commuter Transportat	5	12	7	0	0	0	1	3	28	29
Northeast Illinois Regional Commuter	18	44	11	0	2	1	3	6	85	90
New Jersey Transit Rail Operations	37	90	34	2	3	2	23	30	221	243
Paducah & Louisville Railway Company	4	12	4	0	1	0	3	3	27	28
Port Authority Trans Hudson	71	72	12	3	1	0	11	31	201	207
Port Terminal Railroad Association	3	10	4	0	0	0	0	1	18	19
Southeastern Pennsylvania Transportat	35	69	16	0	3	1	7	20	151	164
Southern Pacific, Chicago-St. Louis C	4	7	2	0	1	0	1	0	15	18
Springfield Terminal Railway Company	6	19	14	0	1	0	3	7	50	55
Texas Mexican Railway Company	17	14	4	0	1	0	4	5	45	46
Terminal Railroad Association Of St.	1	7	2	0	1	0	0	0	11	12
Union Railroad Company (Pittsburgh)	1	14	1	1	1	0	2	2	22	22
Wisconsin Central Ltd. (also Railway)	9	34	10	1	2	2	4	8	70	72
Wheeling & Lake Erie Railway Company	1	11	4	0	0	1	0	1	18	19
Total Group II Railroads **.....	560	1,445	340	39	41	27	180	247	2,879	3,038
<b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b>										
Class I Railroads	1,899	6,750	1,231	35	150	63	489	1,108	11,725	12,586
Group II Railroads **	560	1,445	340	39	41	27	180	247	2,879	3,038
All Other Railroads	197	479	194	2	31	13	132	98	1,146	1,248
Total All Railroads	2,656	8,674	1,765	76	222	103	801	1,453	15,750	16,872

\*\* Group II Railroads: Railroads, excluding Class I, with annual accumulation of over 400,000 employee hours worked.

Table 41. Casualties In Train Accidents By Railroad, 1992

Railroad	< COLLISIONS > Killed/Injured		< DERAILMENTS > Killed/Injured		<...OTHER...> Killed/Injured		< T O T A L S > Killed/Injured		Rate*	Train Miles
<b>CLASS I RAILROADS</b>										
Amtrak (National Railroad Passenger C	0	1	0	29	7	111	7	141	3.54	41,818,549
Atchison, Topeka & Santa Fe Railway C	0	6	1	1	2	4	3	11	0.31	45,661,525
Burlington Northern Railroad Company	0	11	1	7	4	14	5	32	0.43	85,917,135
Chicago & North Western Transportatio	0	2	0	3	0	2	0	7	0.41	16,962,189
Consolidated Rail Corporation	0	2	0	0	4	7	4	9	0.30	42,914,945
CSX Transportation	0	4	0	4	4	22	4	30	0.50	67,335,365
Denver & Rio Grande Western Railroad	0	4	0	0	0	0	0	4	0.82	4,890,054
Grand Trunk Western Railroad Company	0	3	0	0	0	0	0	3	0.58	5,153,145
Illinois Central Railroad Company	1	2	0	0	1	3	2	5	1.01	6,902,003
Kansas City Southern Railway Company	0	0	0	0	0	2	0	2	0.30	6,763,937
Norfolk Southern Corporation	0	6	0	0	2	10	2	16	0.35	51,761,215
Soo Line Railroad Company	0	5	0	2	0	6	0	13	1.25	10,416,260
Southern Pacific Transportation Compa	0	0	0	3	1	3	1	6	0.19	36,923,148
St. Louis Southwestern Railway Compan	0	0	0	0	0	5	0	5	0.51	9,773,827
Union Pacific Railroad Company	0	5	0	8	5	16	5	29	0.41	83,225,553
Total Class I Railroads.....	1	51	2	57	30	205	33	313	0.67	516,418,850
<b>GROUP II RAILROADS **</b>										
Alton & Southern Railroad	0	0	0	0	0	0	0	0	0.00	739,246
Alaska Railroad Corporation	0	0	0	0	0	0	0	0	0.00	999,850
Bangor & Aroostook Railroad	0	0	0	0	0	0	0	0	0.00	395,681
Bessemer & Lake Erie Railroad Company	0	0	0	0	0	0	0	0	0.00	207,710
Belt Railway Company Of Chicago	0	0	0	0	0	0	0	0	0.00	255,303
Birmingham Southern Railroad Company	0	0	0	0	0	0	0	0	0.00	98,477
Chicago, Central & Pacific Railroad C	0	0	0	0	0	0	0	0	0.00	1,031,937
Cuyahoga Valley Railway Company	0	0	0	0	0	0	0	0	0.00	21,892
Delaware & Hudson Railway Company	0	0	0	0	0	0	0	0	0.00	1,670,904
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	0	0	0.00	666,623
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	0	0	0	0.00	646,557
Elgin, Joliet & Eastern Railway Compa	0	0	0	0	0	0	0	0	0.00	507,789
Florida East Coast Railway Company	0	0	0	1	0	0	0	1	0.33	3,002,637
Fox River Valley Railroad Corporation	0	0	0	0	0	0	0	0	0.00	525,095
Gateway Western Railway	0	2	0	0	0	0	0	2	2.64	757,338
Houston Belt & Terminal Railway Compa	0	0	0	0	0	1	0	1	1.34	747,084
Indiana Harbor Belt Railroad Company	0	1	0	0	0	0	0	1	0.97	1,031,254
Long Island Rail Road	0	0	0	3	1	7	1	10	1.34	8,207,787
Metro North Commuter Railroad Company	0	1	0	2	0	6	0	9	1.23	7,290,733
Montana Rail Link	0	2	0	0	0	0	0	2	0.51	3,914,632
Midsouth Rail Corporation	0	0	0	1	0	0	0	1	1.21	827,107
Northern Indiana Commuter Transportat	0	0	0	0	0	0	0	0	0.00	714,668
Northeast Illinois Regional Commuter	0	0	0	0	0	5	0	5	1.59	3,153,257
New Jersey Transit Rail Operations	0	0	0	3	0	2	0	5	0.70	7,168,470
Paducah & Louisville Railway Company	0	0	0	0	0	0	0	0	0.00	652,883
Port Authority Trans Hudson	0	2	0	0	0	6	0	8	5.14	1,557,679
Port Terminal Railroad Association	0	0	0	0	0	0	0	0	0.00	951,488
Southeastern Pennsylvania Transportat	0	0	0	0	1	6	1	6	1.60	4,361,905
Southrail Corporation	0	0	0	0	0	0	0	0	0.00	443,126
Southern Pacific, Chicago-St. Louis C	0	0	0	0	0	1	0	1	0.57	1,764,651
Springfield Terminal Railway Company	0	0	0	0	0	0	0	0	0.00	1,180,679
Texas Mexican Railway Company	0	0	0	0	0	0	0	0	0.00	279,749
Terminal Railroad Association Of St.	0	0	0	0	0	0	0	0	0.00	479,681
Union Railroad Company (Fittsburgh)	0	0	0	0	0	0	0	0	0.00	123,865
Wisconsin Central Ltd. (also Railway)	0	0	0	0	0	1	0	1	0.36	2,783,878
Wheeling & Lake Erie Railway Company	0	0	0	0	0	0	0	0	0.00	539,502
Total Group II Railroads **.....	0	8	0	10	2	35	2	53	0.92	59,701,117
<b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b>										
Class I Railroads	1	51	2	57	30	205	33	313	0.67	516,418,850
Group II Railroads **	0	8	0	10	2	35	2	53	0.92	59,701,117
All Other Railroads	0	0	0	4	0	16	0	20	1.14	17,583,810
Total All Railroads	1	59	2	71	32	256	35	386	0.71	593,703,777

\* NOTE: Injured columns include non-fatal occupational illnesses.  
Rate is frequency per 1,000,000 train miles.

\*\* GROUP II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.



Table 42, Part I. Casualties To Employees On Duty By Job Category And Railroad, 1992

Railroad	I. Exec Office Staff II. Prof, Clerical, Gen Killed/Injured/Illness			III. Maintenance of Way & Structures Killed/Injured/Illness			IV. Maintenance of Equipment & Stores Killed/Injured/Illness		
	Killed	Injured	Illness	Killed	Injured	Illness	Killed	Injured	Illness
<b>CLASS I RAILROADS</b>									
Amtrak (National Railroad Passenger C	0	95	0	1	256	0	0	334	2
Atchison, Topeka & Santa Fe Railway C	0	13	0	0	274	5	0	211	3
Burlington Northern Railroad Company	0	108	30	0	1,094	104	1	641	108
Chicago & North Western Transportatio	0	8	1	3	84	8	0	88	2
Consolidated Rail Corporation	1	60	3	0	304	7	0	288	3
CSX Transportation	0	43	2	2	252	9	0	223	4
Denver & Rio Grande Western Railroad	0	13	0	1	29	0	0	46	0
Grand Trunk Western Railroad Company	0	15	5	0	55	24	0	79	102
Illinois Central Railroad Company	0	3	0	0	40	3	0	18	0
Kansas City Southern Railway Company	0	1	0	0	22	0	0	7	0
Norfolk Southern Corporation	0	26	0	1	119	2	0	195	2
Soo Line Railroad Company	0	16	4	0	211	5	0	57	2
Southern Pacific Transportation Compa	0	134	8	1	326	7	0	212	6
St. Louis Southwestern Railway Compan	0	5	0	0	32	0	0	37	0
Union Pacific Railroad Company	0	128	76	0	438	16	2	430	15
Total Class I Railroads.....	1	668	129	9	3,536	190	3	2,866	249
<b>GROUP II RAILROADS **</b>									
Alton & Southern Railroad	0	0	0	0	2	0	0	1	0
Alaska Railroad Corporation	0	4	0	0	15	3	0	14	1
Bangor & Aroostook Railroad	0	1	0	0	9	0	0	15	0
Bessemer & Lake Erie Railroad Company	0	0	0	0	4	0	0	4	1
Belt Railway Company Of Chicago	0	0	0	0	10	0	0	8	0
Birmingham Southern Railroad Company	0	0	0	0	6	0	0	4	0
Chicago, Central & Pacific Railroad C	0	0	0	0	15	0	0	11	0
Cuyahoga Valley Railway Company	0	1	0	0	3	0	0	13	0
Delaware & Hudson Railway Company	0	2	0	0	10	0	0	4	0
Dakota, Minnesota & Eastern Railroad	0	0	0	0	4	0	0	5	0
Duluth, Missabe & Iron Range Railway	0	0	0	0	31	0	0	25	0
Elgin, Joliet & Eastern Railway Compa	0	6	0	0	7	0	0	7	0
Florida East Coast Railway Company	0	0	1	0	8	0	0	5	0
Fox River Valley Railroad Corporation	0	2	0	0	6	1	0	6	0
Gateway Western Railway	0	1	0	0	2	0	0	1	0
Houston Belt & Terminal Railway Compa	0	0	0	0	6	0	0	3	0
Indiana Harbor Belt Railroad Company	0	4	0	0	9	0	0	3	0
Long Island Rail Road	0	72	0	1	222	9	0	306	5
Metro North Commuter Railroad Company	0	81	3	0	196	3	0	155	5
Montana Rail Link	0	2	1	0	30	0	0	14	0
Midsouth Rail Corporation	0	0	0	0	2	0	0	2	0
Northern Indiana Commuter Transportat	0	3	0	0	17	0	0	6	0
Northeast Illinois Regional Commuter	0	18	0	0	19	0	0	40	0
New Jersey Transit Rail Operations	0	9	1	0	90	1	0	65	0
Paducah & Louisville Railway Company	0	0	0	0	5	0	0	10	0
Port Authority Trans Hudson	0	1	0	0	73	0	0	65	0
Port Terminal Railroad Association	0	0	0	0	3	0	0	2	0
Southeastern Pennsylvania Transportat	0	2	0	0	60	0	0	40	0
Southrail Corporation	0	1	0	0	7	1	0	1	0
Southern Pacific, Chicago-St. Louis C	0	0	0	0	8	0	0	2	0
Springfield Terminal Railway Company	0	8	0	0	17	0	0	12	0
Texas Mexican Railway Company	0	3	1	0	16	0	0	15	0
Terminal Railroad Association Of St.	0	1	0	0	1	0	0	2	0
Union Railroad Company (Pittsburgh)	0	0	0	0	4	0	0	13	0
Wisconsin Central Ltd. (also Railway)	0	3	0	0	29	0	0	20	1
Wheeling & Lake Erie Railway Company	0	0	0	0	6	0	0	8	0
Total Group II Railroads **.....	0	225	7	1	952	18	0	907	13
<b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b>									
Class I Railroads	1	668	129	9	3,536	190	3	2,866	249
Group II Railroads **	0	225	7	1	952	18	0	907	13
All Other Railroads	0	33	0	0	470	2	0	297	2
Total All Railroads	1	926	136	10	4,958	210	3	4,070	264

\*\* GROUP II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

Table 42, Part II. Casualties To Employees On Duty By Job Category And Railroad, 1992

Railroad	V. Transportation Non-train & Engine			VI. Transportation Train & Engine		
	Killed	Injured	Illness	Killed	Injured	Illness
<b>CLASS I RAILROADS</b>						
Amtrak (National Railroad Passenger C	0	267	0	0	180	0
Atchison, Topeka & Santa Fe Railway C	0	4	1	3	338	1
Burlington Northern Railroad Company	0	56	14	4	1,388	84
Chicago & North Western Transportatio	0	5	0	1	104	1
Consolidated Rail Corporation	0	32	2	0	627	25
CSX Transportation	0	17	0	1	473	0
Denver & Rio Grande Western Railroad	0	0	0	0	56	3
Grand Trunk Western Railroad Company	0	5	25	2	109	54
Illinois Central Railroad Company	0	2	0	1	67	0
Kansas City Southern Railway Company	0	0	0	0	63	1
Norfolk Southern Corporation	0	6	0	0	206	0
Soo Line Railroad Company	0	14	0	0	157	1
Southern Pacific Transportation Compa	0	1	0	0	394	8
St. Louis Southwestern Railway Compan	0	0	0	1	82	0
Union Pacific Railroad Company	0	16	5	2	847	16
Total Class I Railroads.....	0	425	47	15	5,091	194
<b>GROUP II RAILROADS **</b>						
Alton & Southern Railroad	0	0	0	0	6	0
Alaska Railroad Corporation	0	0	0	0	10	0
Bangor & Aroostook Railroad	0	0	0	0	11	0
Bessemer & Lake Erie Railroad Company	0	0	0	0	1	0
Belt Railway Company Of Chicago	0	0	0	0	13	0
Birmingham Southern Railroad Company	0	0	0	0	6	0
Chicago, Central & Pacific Railroad C	0	0	0	0	25	0
Cuyahoga Valley Railway Company	0	0	0	0	25	0
Delaware & Hudson Railway Company	0	0	0	0	9	0
Dakota, Minnesota & Eastern Railroad	0	0	0	0	12	0
Duluth, Missabe & Iron Range Railway	0	0	0	0	10	0
Elgin, Joliet & Eastern Railway Compa	0	5	0	0	26	0
Florida East Coast Railway Company	0	0	0	1	6	0
Fox River Valley Railroad Corporation	0	1	0	0	16	1
Gateway Western Railway	0	0	0	0	6	0
Houston Belt & Terminal Railway Compa	0	0	0	0	13	0
Indiana Harbor Belt Railroad Company	0	3	0	0	27	0
Long Island Rail Road	0	15	0	0	200	1
Metro North Commuter Railroad Company	0	3	0	1	112	22
Montana Rail Link	0	1	0	0	50	0
Midsouth Rail Corporation	0	0	0	0	10	0
Northern Indiana Commuter Transportat	0	0	0	0	3	0
Northeast Illinois Regional Commuter	0	0	0	0	13	0
New Jersey Transit Rail Operations	0	4	0	0	75	1
Paducah & Louisville Railway Company	0	0	0	0	13	0
Port Authority Trans Hudson	0	3	0	0	65	0
Port Terminal Railroad Association	0	0	0	0	14	0
Southeastern Pennsylvania Transportat	0	25	0	0	37	0
Southrail Corporation	0	0	0	0	4	0
Southern Pacific, Chicago-St. Louis C	0	0	0	0	8	0
Springfield Terminal Railway Company	0	0	0	0	18	0
Texas Mexican Railway Company	0	0	0	0	12	0
Terminal Railroad Association Of St.	0	0	0	0	8	0
Union Railroad Company (Pittsburgh)	0	0	0	0	5	0
Wisconsin Central Ltd. (also Railway)	0	1	0	0	19	0
Wheeling & Lake Erie Railway Company	0	0	0	0	5	0
Total Group II Railroads **.....	0	61	0	2	893	25
<b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b>						
Class I Railroads	0	425	47	15	5,091	194
Group II Railroads **	0	61	0	2	893	25
All Other Railroads	0	28	2	3	420	5
Total All Railroads	0	514	49	20	6,404	224

\*\* GROUP II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

Table 43. Casualty Rates For Employees On Duty By Railroad, 1992

Railroad	Fatalities		Injuries		Illnesses		T O T A L		Employee Manhours
	#	Rate*	#	Rate*	#	Rate*	#	Rate*	
<b>CLASS I RAILROADS</b>									
Amtrak (National Railroad Passenger C	1	0.00	1,132	4.84	2	0.01	1,135	4.86	46,754,286
Atchison, Topeka & Santa Fe Railway C	3	0.02	840	6.37	10	0.08	853	6.47	26,376,088
Burlington Northern Railroad Company	5	0.02	3,287	11.36	340	1.18	3,632	12.55	57,871,705
Chicago & North Western Transportatio	4	0.06	289	4.34	12	0.18	305	4.58	13,323,677
Consolidated Rail Corporation	1	0.00	1,311	5.56	40	0.17	1,352	5.74	47,122,116
CSX Transportation	3	0.01	1,008	3.37	15	0.05	1,026	3.43	59,844,932
Denver & Rio Grande Western Railroad	1	0.04	144	6.05	3	0.13	148	6.21	4,762,801
Grand Trunk Western Railroad Company	2	0.07	263	9.27	210	7.40	475	16.74	5,675,319
Illinois Central Railroad Company	1	0.03	130	3.75	3	0.09	134	3.87	6,924,531
Kansas City Southern Railway Company	0	0.00	93	4.91	1	0.05	94	4.96	3,787,699
Norfolk Southern Corporation	1	0.00	552	2.25	4	0.02	557	2.27	49,174,804
Soo Line Railroad Company	0	0.00	455	10.17	12	0.27	467	10.44	8,949,679
Southern Pacific Transportation Compa	1	0.01	1,067	6.61	29	0.18	1,097	6.80	32,276,613
St. Louis Southwestern Railway Compan	1	0.04	156	6.97	0	0.00	157	7.01	4,476,153
Union Pacific Railroad Company	4	0.01	1,859	6.56	128	0.45	1,991	7.02	56,718,947
Total Class I Railroads.....	28	0.01	12,586	5.94	809	0.38	13,423	6.33	424,039,350
<b>GROUP II RAILROADS **</b>									
Alton & Southern Railroad	0	0.00	9	2.57	0	0.00	9	2.57	701,603
Alaska Railroad Corporation	0	0.00	43	7.22	4	0.67	47	7.89	1,190,898
Bangor & Aroostook Railroad	0	0.00	36	10.79	0	0.00	36	10.79	667,188
Bessemer & Lake Erie Railroad Company	0	0.00	9	2.45	1	0.27	10	2.72	735,647
Belt Railway Company Of Chicago	0	0.00	31	6.92	0	0.00	31	6.92	895,569
Birmingham Southern Railroad Company	0	0.00	16	7.20	0	0.00	16	7.20	444,747
Chicago, Central & Pacific Railroad C	0	0.00	51	10.28	0	0.00	51	10.28	992,604
Cuyahoga Valley Railway Company	0	0.00	42	16.79	0	0.00	42	16.79	500,333
Delaware & Hudson Railway Company	0	0.00	25	3.20	0	0.00	25	3.20	1,563,479
Dakota, Minnesota & Eastern Railroad	0	0.00	21	8.35	0	0.00	21	8.35	502,714
Duluth, Missabe & Iron Range Railway	0	0.00	66	8.82	0	0.00	66	8.82	1,496,440
Elgin, Joliet & Eastern Railway Compa	0	0.00	51	5.58	0	0.00	51	5.58	1,827,445
Florida East Coast Railway Company	1	0.10	19	1.96	1	0.10	21	2.17	1,933,884
Fox River Valley Railroad Corporation	0	0.00	31	11.74	2	0.76	33	12.50	527,903
Gateway Western Railway	0	0.00	10	4.49	0	0.00	10	4.49	445,178
Houston Belt & Terminal Railway Compa	0	0.00	22	4.78	0	0.00	22	4.78	920,002
Indiana Harbor Belt Railroad Company	0	0.00	46	5.68	0	0.00	46	5.68	1,620,854
Long Island Rail Road	1	0.02	815	13.84	15	0.25	831	14.11	11,780,728
Metro North Commuter Railroad Company	1	0.02	547	10.18	33	0.61	581	10.81	10,748,262
Montana Rail Link	0	0.00	97	9.83	1	0.10	98	9.93	1,973,782
Midsouth Rail Corporation	0	0.00	14	3.46	0	0.00	14	3.46	808,961
Northern Indiana Commuter Transportat	0	0.00	29	12.79	0	0.00	29	12.79	453,545
Northeast Illinois Regional Commuter	0	0.00	90	4.20	0	0.00	90	4.20	4,290,557
New Jersey Transit Rail Operations	0	0.00	243	6.40	3	0.08	246	6.48	7,592,476
Paducah & Louisville Railway Company	0	0.00	28	8.90	0	0.00	28	8.90	629,013
Port Authority Trans Hudson	0	0.00	207	14.90	0	0.00	207	14.90	2,778,204
Port Terminal Railroad Association	0	0.00	19	4.74	0	0.00	19	4.74	801,924
Southeastern Pennsylvania Transportat	0	0.00	164	9.64	0	0.00	164	9.64	3,404,248
Southrail Corporation	0	0.00	13	4.64	1	0.36	14	5.00	560,299
Southern Pacific, Chicago-St. Louis C	0	0.00	18	6.42	0	0.00	18	6.42	560,653
Springfield Terminal Railway Company	0	0.00	55	4.63	0	0.00	55	4.63	2,376,294
Texas Mexican Railway Company	0	0.00	46	19.48	1	0.42	47	19.90	472,255
Terminal Railroad Association Of St.	0	0.00	12	3.80	0	0.00	12	3.80	631,314
Union Railroad Company (Pittsburgh)	0	0.00	22	6.39	0	0.00	22	6.39	689,045
Wisconsin Central Ltd. (also Railway)	0	0.00	72	5.92	1	0.08	73	6.00	2,432,935
Wheeling & Lake Erie Railway Company	0	0.00	19	5.98	0	0.00	19	5.98	635,310
Total Group II Railroads **.....	3	0.01	3,038	8.61	63	0.18	3,104	8.79	70,586,293
<b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b>									
Class I Railroads	28	0.01	12,586	5.94	809	0.38	13,423	6.33	424,039,350
Group II Railroads **	3	0.01	3,038	8.61	63	0.18	3,104	8.79	70,586,293
All Other Railroads	3	0.03	1,248	11.14	11	0.10	1,262	11.26	22,415,425
Total All Railroads	34	0.01	16,872	6.53	883	0.34	17,789	6.88	517,041,068

\* NOTE: Rate is frequency per 200,000 manhours.

\*\* Group II Railroads: Railroads, excluding Class I, with annual accumulation of over 400,000 employee hours worked.

Table 44. Summary Of Nonfatal Injuries To Employees On Duty By Railroad, 1992

Railroad	TOTAL CASES*	<CASES with DAYS-AWAY-FROM-WORK or DAYS-OF-RESTRICTION>				Other Cases	
		< Total Cases	Lost-Day Cases	Restricted Cases	Away-fr-work Days		Restricted Days
<b>CLASS I RAILROADS</b>							
Amtrak (National Railroad Passenger C	1,132	845	830	15	40,681	241	287
Atchison, Topeka & Santa Fe Railway C	840	637	476	161	24,423	10,419	203
Burlington Northern Railroad Company	3,287	2,588	2,339	249	121,500	17,106	699
Chicago & North Western Transportatio	289	220	220	0	15,901	0	69
Consolidated Rail Corporation	1,311	1,139	1,107	32	109,824	915	172
CSX Transportation	1,008	863	857	6	67,418	104	145
Denver & Rio Grande Western Railroad	144	105	96	9	7,219	318	39
Grand Trunk Western Railroad Company	263	191	163	28	5,041	296	72
Illinois Central Railroad Company	130	85	82	3	5,752	10	45
Kansas City Southern Railway Company	93	83	83	0	4,587	0	10
Norfolk Southern Corporation	552	412	364	48	38,700	1,786	140
Soo Line Railroad Company	455	355	287	68	13,497	1,750	100
Southern Pacific Transportation Compa	1,067	797	720	77	64,749	1,678	270
St. Louis Southwestern Railway Compan	156	129	121	8	15,070	140	27
Union Pacific Railroad Company	1,859	1,526	1,248	278	89,226	14,904	333
Total Class I Railroads.....	12,586	9,975	8,993	982	623,588	49,667	2,611
<b>GROUP II RAILROADS **</b>							
Alton & Southern Railroad	9	8	8	0	265	0	1
Alaska Railroad Corporation	43	27	14	13	225	256	16
Bangor & Aroostook Railroad	36	26	26	0	444	0	10
Bessemer & Lake Erie Railroad Company	9	4	3	1	211	3	5
Belt Railway Company Of Chicago	31	27	22	5	610	54	4
Birmingham Southern Railroad Company	16	7	3	4	369	32	9
Chicago, Central & Pacific Railroad C	51	40	34	6	1,167	31	11
Cuyahoga Valley Railway Company	42	36	32	4	1,242	10	6
Delaware & Hudson Railway Company	25	21	13	8	475	243	4
Dakota, Minnesota & Eastern Railroad	21	14	13	1	142	2	7
Duluth, Missabe & Iron Range Railway	66	39	11	28	200	280	27
Elgin, Joliet & Eastern Railway Compa	51	30	16	14	1,439	672	21
Florida East Coast Railway Company	19	12	8	4	659	59	7
Fox River Valley Railroad Corporation	31	24	19	5	264	145	7
Gateway Western Railway	10	8	6	2	47	6	2
Houston Belt & Terminal Railway Compa	22	16	15	1	221	30	6
Indiana Harbor Belt Railroad Company	46	40	39	1	1,471	32	6
Long Island Rail Road	815	800	796	4	19,618	538	15
Metro North Commuter Railroad Company	547	443	323	120	11,976	2,827	104
Montana Rail Link	97	62	53	9	406	405	35
Midsouth Rail Corporation	14	11	10	1	228	16	3
Northern Indiana Commuter Transportat	29	19	18	1	410	18	10
Northeast Illinois Regional Commuter	90	72	72	0	1,690	0	18
New Jersey Transit Rail Operations	243	167	159	8	5,815	208	76
Paducah & Louisville Railway Company	28	22	22	0	408	30	6
Port Authority Trans Hudson	207	205	205	0	2,214	0	2
Port Terminal Railroad Association	19	15	13	2	389	9	4
Southeastern Pennsylvania Transportat	164	128	128	0	3,680	0	36
Southrail Corporation	13	9	6	3	617	16	4
Southern Pacific, Chicago-St. Louis C	18	16	14	2	1,149	33	2
Springfield Terminal Railway Company	55	33	23	10	543	62	22
Texas Mexican Railway Company	46	39	32	7	465	148	7
Terminal Railroad Association Of St.	12	9	8	1	183	15	3
Union Railroad Company (Pittsburgh)	22	7	7	0	260	0	15
Wisconsin Central Ltd. (also Railway)	72	51	44	7	946	741	21
Wheeling & Lake Erie Railway Company	19	15	12	3	362	151	4
TOTAL GROUP II RAILROADS.....	3,038	2,502	2,227	275	60,810	7,072	536
<b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b>							
Class I Railroads	12,586	9,975	8,993	982	623,588	49,667	2,611
Group II Railroads **	3,038	2,502	2,227	275	60,810	7,072	536
All Other Railroads	1,248	770	640	130	11,990	4,089	478
Total All Railroads	16,872	13,247	11,860	1,387	696,388	60,828	3,625

\* Note: The above cases exclude occupational illness cases.

In cases where lost-days and restricted-days are reported, count is added only to lost-day column.

\*\* Group II Railroads: Railroads, excluding Class I, with annual accumulation of over 400,000 employee hours worked.

Table 45. Summary Of Employee On Duty Casualties By Reportability Criteria And Railroad, 1992

Railroad	TOTAL CASES	Fatalities	< INJURY <Total <Injuries	C A S E S Days-Away From-Work	REPORTED FOR Restricted Activity	FOLLOWING REASONS > Medi-cation	Medical Treatment >	Occupational Illnesses
<b>CLASS I RAILROADS</b>								
Amtrak (National Railroad Passenger C	1,135	1	1,132	830	15	95	192	2
Atchison, Topeka & Santa Fe Railway C	853	3	840	476	161	61	142	10
Burlington Northern Railroad Company	3,632	5	3,287	2,339	249	68	631	340
Chicago & North Western Transportatio	305	4	289	220	0	28	41	12
Consolidated Rail Corporation	1,352	1	1,311	1,107	32	30	142	40
CSX Transportation	1,026	3	1,008	857	6	44	101	15
Denver & Rio Grande Western Railroad	148	1	144	96	9	0	39	3
Grand Trunk Western Railroad Company	475	2	263	163	28	56	16	210
Illinois Central Railroad Company	134	1	130	82	3	14	31	3
Kansas City Southern Railway Company	94	0	93	83	0	0	10	1
Norfolk Southern Corporation	557	1	552	364	48	44	96	4
Soo Line Railroad Company	467	0	455	287	68	16	84	12
Southern Pacific Transportation Compa	1,097	1	1,067	720	77	0	270	29
St. Louis Southwestern Railway Compan	157	1	156	121	8	0	27	0
Union Pacific Railroad Company	1,991	4	1,859	1,248	278	112	221	128
Total Class I Railroads.....	13,423	28	12,586	8,993	982	568	2,043	809
<b>GROUP II RAILROADS **</b>								
Alton & Southern Railroad	9	0	9	8	0	0	1	0
Alaska Railroad Corporation	47	0	43	14	13	7	9	4
Bangor & Aroostook Railroad	36	0	36	26	0	6	4	0
Bessemer & Lake Erie Railroad Company	10	0	9	3	1	2	3	1
Belt Railway Company Of Chicago	31	0	31	22	5	0	4	0
Birmingham Southern Railroad Company	16	0	16	3	4	2	7	0
Chicago, Central & Pacific Railroad C	51	0	51	34	6	4	7	0
Cuyahoga Valley Railway Company	42	0	42	32	4	3	3	0
Delaware & Hudson Railway Company	25	0	25	13	8	2	2	0
Dakota, Minnesota & Eastern Railroad	21	0	21	13	1	0	7	0
Duluth, Missabe & Iron Range Railway	66	0	66	11	28	20	7	0
Elgin, Joliet & Eastern Railway Compa	51	0	51	16	14	16	5	0
Florida East Coast Railway Company	21	1	19	8	4	2	5	1
Fox River Valley Railroad Corporation	33	0	31	19	5	2	5	2
Gateway Western Railway	10	0	10	6	2	0	2	0
Houston Belt & Terminal Railway Compa	22	0	22	15	1	4	2	0
Indiana Harbor Belt Railroad Company	46	0	46	39	1	3	3	0
Long Island Rail Road	831	1	815	796	4	0	15	15
Metro North Commuter Railroad Company	581	1	547	323	120	11	93	33
Montana Rail Link	98	0	97	53	9	9	26	1
Midsouth Rail Corporation	14	0	14	10	1	1	2	0
Northern Indiana Commuter Transportat	29	0	29	18	1	2	8	0
Northeast Illinois Regional Commuter	90	0	90	72	0	5	13	0
New Jersey Transit Rail Operations	246	0	243	159	8	23	53	3
Paducah & Louisville Railway Company	28	0	28	22	0	0	6	0
Port Authority Trans Hudson	207	0	207	205	0	0	2	0
Port Terminal Railroad Association	19	0	19	13	2	2	2	0
Southeastern Pennsylvania Transportat	164	0	164	128	0	0	36	0
Southrail Corporation	14	0	13	6	3	2	2	1
Southern Pacific, Chicago-St. Louis C	18	0	18	14	2	0	2	0
Springfield Terminal Railway Company	55	0	55	23	10	6	16	0
Texas Mexican Railway Company	47	0	46	32	7	2	5	1
Terminal Railroad Association Of St.	12	0	12	8	1	0	3	0
Union Railroad Company (Pittsburgh)	22	0	22	7	0	11	4	0
Wisconsin Central Ltd. (also Railway)	73	0	72	44	7	9	12	1
Wheeling & Lake Erie Railway Company	19	0	19	12	3	0	4	0
TOTAL GROUP II RAILROADS.....	3,104	3	3,038	2,227	275	156	380	63
<b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b>								
Class I Railroads	13,423	28	12,586	8,993	982	568	2,043	809
Group II Railroads **	3,104	3	3,038	2,227	275	156	380	63
All Other Railroads	1,262	3	1,248	640	130	74	404	11
Total All Railroads	17,789	34	16,872	11,860	1,387	798	2,827	883

Note: In cases where lost-days and restricted-days are reported, count is added only to days-away-from-work column.  
 \*\* Group II Railroads: Railroads, excluding Class I, with annual accumulation of over 400,000 employee hours worked.

**Table 46. Fatalities By Type Of Accident/Incident, Type Of Railroad, And Type Of Person, 1992**

Type_of Accident/Incident	TOTAL* A/I	Fatal A/I	Total Killed	<EMPLOYEES-ON-DUTY> Trnmn/Other/Total			Enod	Psgr	Nont	Contr	Tres
<b>TRAIN ACCIDENTS</b>											
Class I Railroads	79	6	6	4	0	4	0	0	1	0	1
Group II Railroads **	16	0	0	0	0	0	0	0	0	0	0
All Other Railroads	4	0	0	0	0	0	0	0	0	0	0
Total All Railroads	99	6	6	4	0	4	0	0	1	0	1
<b>TRAIN INCIDENTS</b>											
Class I Railroads	2,575	466	478	9	6	15	0	2	5	7	449
Group II Railroads **	431	66	67	1	1	2	0	1	1	1	62
All Other Railroads	219	3	3	2	0	2	0	0	0	0	1
Total All Railroads	3,225	535	548	12	7	19	0	3	6	8	512
<b>NON-TRAIN INCIDENTS</b>											
Class I Railroads	11,984	27	27	2	5	7	1	0	4	2	13
Group II Railroads **	3,281	8	8	1	0	1	0	0	1	0	6
All Other Railroads	1,103	2	2	1	0	1	0	0	0	0	1
Total All Railroads	16,368	37	37	4	5	9	1	0	5	2	20
<b>HIGHWAY-RAIL CROSSING (Excluded from above categories)</b>											
Class I Railroads	1,563	441	540	0	2	2	0	0	439	1	98
Group II Railroads **	153	22	27	0	0	0	0	0	12	0	15
All Other Railroads	107	11	12	0	0	0	0	0	12	0	0
Total All Railroads	1,823	474	579	0	2	2	0	0	463	1	113
<b>T O T A L S</b>											
Class I Railroads	16,201	940	1,051	15	13	28	1	2	449	10	561
Group II Railroads **	3,881	96	102	2	1	3	0	1	14	1	83
All Other Railroads	1,433	16	17	3	0	3	0	0	12	0	2
Total All Railroads	21,515	1,052	1,170	20	14	34	1	3	475	11	646

\* Note: Column 1 is the count of accidents/incidents resulting in at least one reportable casualty.  
 Column 2 is the count of accidents/incidents resulting in at least one fatality.

\*\* Group II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

Enod = Employee not on duty  
 Psgr = Passenger on train  
 Nont = Non-trespasser  
 Tres = Trespasser  
 Contr = Contractor  
 Trnmn = Trainmen (Train & Engine: Jobcodes 601-623)

**Table 47. Injuries By Type Of Accident/Incident, Type Of Railroad, And Type Of Person, 1992**

Type of Accident/Incident	TOTAL* A/I	Injury A/I	Total Injured	<EMPLOYEES-ON-DUTY> Trnmen/Other/Total			Enod	Psgr	Nont	Contr	Tres
<b>TRAIN ACCIDENTS</b>											
Class I Railroads	79	71	131	90	10	100	0	26	3	0	2
Group II Railroads **	16	15	31	15	8	23	0	5	2	0	1
All Other Railroads	4	4	6	2	4	6	0	0	0	0	0
Total All Railroads	99	90	168	107	22	129	0	31	5	0	3
<b>TRAIN INCIDENTS</b>											
Class I Railroads	2,575	2,070	2,157	1,355	284	1,639	16	51	28	12	411
Group II Railroads **	431	355	363	209	43	252	1	45	9	1	55
All Other Railroads	219	213	214	143	43	186	0	11	8	1	8
Total All Railroads	3,225	2,638	2,734	1,707	370	2,077	17	107	45	14	474
<b>NON-TRAIN INCIDENTS</b>											
Class I Railroads	11,984	11,214	11,303	3,550	7,180	10,730	234	46	96	157	40
Group II Railroads **	3,281	3,225	3,232	657	2,095	2,750	53	136	254	19	20
All Other Railroads	1,103	1,093	1,095	259	780	1,039	2	9	8	34	3
Total All Railroads	16,368	15,532	15,630	4,466	10,053	14,519	289	191	358	210	63
<b>HIGHWAY-RAIL CROSSING (Excluded from above categories)</b>											
Class I Railroads	1,563	1,121	1,645	96	21	117	1	75	1,260	2	190
Group II Railroads **	153	128	195	12	1	13	0	7	139	0	36
All Other Railroads	107	96	125	16	1	17	0	0	102	0	6
Total All Railroads	1,823	1,345	1,965	124	23	147	1	82	1,501	2	232
<b>T O T A L S</b>											
Class I Railroads	16,201	14,476	15,236	5,091	7,495	12,586	251	198	1,387	171	643
Group II Railroads **	3,881	3,723	3,821	893	2,145	3,038	54	193	404	20	112
All Other Railroads	1,433	1,406	1,440	420	828	1,248	2	20	118	35	17
Total All Railroads	21,515	19,605	20,497	6,404	10,468	16,872	307	411	1,909	226	772

\* Note: Column 1 is the count of accidents/incidents resulting in at least one reportable casualty.  
 Column 2 is the count of accidents/incidents resulting in reportable injury/injuries only.

\*\* Group II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

Enod = Employee not on duty  
 Psgr = Passenger on train  
 Nont = Non-trespasser  
 Tres = Trespasser  
 Contr = Contractor  
 Trnmen = Trainmen (Train & Engine: Jobcodes 601-623)

Table 48. Illnesses By Type Of Accident/Incident, Type Of Railroad, And Type Of Person, 1992

Type of Accident/Incident	TOTAL* A/I	Illness A/I	Total Illness	<EMPLOYEES-ON-DUTY> Trnmen/Other/Total			Enod	Psgr	Nont	Contr	Tres
<b>TRAIN ACCIDENTS</b>											
Class I Railroads	79	2	2	2	0	2	0	0	0	0	0
Group II Railroads **	16	1	1	1	0	1	0	0	0	0	0
All Other Railroads	4	0	0	0	0	0	0	0	0	0	0
Total All Railroads	99	3	3	3	0	3	0	0	0	0	0
<b>TRAIN INCIDENTS</b>											
Class I Railroads	2,575	39	50	46	4	50	0	0	0	0	0
Group II Railroads **	431	10	12	12	0	12	0	0	0	0	0
All Other Railroads	219	3	3	3	0	3	0	0	0	0	0
Total All Railroads	3,225	52	65	61	4	65	0	0	0	0	0
<b>NON-TRAIN INCIDENTS</b>											
Class I Railroads	11,984	743	752	139	611	750	2	0	0	0	0
Group II Railroads **	3,281	48	48	9	38	47	1	0	0	0	0
All Other Railroads	1,103	8	8	2	6	8	0	0	0	0	0
Total All Railroads	16,368	799	808	150	655	805	3	0	0	0	0
<b>HIGHWAY-RAIL CROSSING (Excluded from above categories)</b>											
Class I Railroads	1,563	1	7	7	0	7	0	0	0	0	0
Group II Railroads **	153	3	3	3	0	3	0	0	0	0	0
All Other Railroads	107	0	0	0	0	0	0	0	0	0	0
Total All Railroads	1,823	4	10	10	0	10	0	0	0	0	0
<b>T O T A L S</b>											
Class I Railroads	16,201	785	811	194	615	809	2	0	0	0	0
Group II Railroads **	3,881	62	64	25	38	63	1	0	0	0	0
All Other Railroads	1,433	11	11	5	6	11	0	0	0	0	0
Total All Railroads	21,515	858	886	224	659	883	3	0	0	0	0

\* Note: Column 1 is the count of accidents/incidents resulting in at least one reportable casualty.  
 Column 2 is the count of accidents/incidents resulting in at least one case of occupational illness.

\*\* Group II Railroads: Railroads, excluding CLASS I, with annual accumulation of over 400,000 employee hours worked.

Enod = Employee not on duty  
 Psgr = Passenger on train  
 Nont = Non-trespasser  
 Tres = Trespasser  
 Contr = Contractor  
 Trnmen = Trainmen (Train & Engine: Jobcodes 601-623)

Table 49. Nonfatal Injuries By Occurrence, 1992

Type of Accident/Incident	Amputations					Fractures						
	Arm/ Hand	Finger	Leg/ Foot	Toe	Other Part	Total	Arm/ Hand	Finger	Leg/ Foot	Toe	Other Part	Total
<b>TRAIN ACCIDENTS</b>												
Collisions	---	---	1	---	---	1	---	1	---	---	2	3
Derailements	---	---	---	---	---	---	---	---	---	---	2	2
Rail-highway x-ing	---	---	---	---	---	---	3	---	4	---	5	12
Miscellaneous	---	---	---	---	---	---	---	1	---	---	1	2
Total	---	---	1	---	---	1	3	2	4	---	10	19
<b>TRAIN INCIDENTS</b>												
Coupling and uncoupling locomotives or Coupling/uncoupling air/steam hose, saf	1	1	1	2	---	5	5	4	3	1	1	14
Operating on or on locomotives	---	1	---	---	---	1	3	1	---	---	4	8
Operating rail motorcars	---	---	---	---	---	---	---	---	---	---	---	---
Operating hand brakes	---	1	2	---	---	3	---	---	1	1	2	4
Operating switches or derails	---	---	---	---	---	---	---	---	1	1	---	2
Contacting fixed objects while on loco	---	---	---	---	---	---	---	---	2	1	1	4
Getting on or off cars or locomotives	1	2	11	4	---	18	7	2	24	1	7	41
Collisions, derailments, etc. (below \$	---	---	1	2	---	3	3	---	4	---	1	8
Highway-rail crossing accidents/incide	---	---	6	1	---	7	44	5	56	---	120	225
Struck by/ran into loco/car(not at hwy	21	6	66	11	---	104	19	3	21	1	22	66
Servicing or maintenance of equipment	---	---	---	---	---	---	3	5	3	---	3	14
Maintenance of way and structures	---	2	1	---	---	3	2	1	7	2	2	14
Freight, baggage, express or mail	---	1	---	---	---	1	---	---	1	---	1	2
Windows, doors, etc., on on-track equi	---	---	---	---	---	---	---	6	---	---	---	6
Passenger car doors	---	---	---	---	---	---	---	---	---	---	---	---
Stumbling, slipping, falling, caught,	---	---	6	---	---	6	6	2	12	---	4	24
Flying or falling objects, burns, etc.	---	---	---	---	---	---	---	---	2	1	2	5
Operation of on-track work equipment	---	1	---	---	---	1	1	---	2	1	4	8
Assault	1	---	---	---	---	1	---	---	---	---	1	1
Other occurrences	2	1	5	---	---	8	3	2	6	---	4	15
Total	26	17	100	20	---	163	96	31	146	10	180	463
<b>NONTRAIN INCIDENTS</b>												
Coupling and uncoupling locomotives or Coupling/uncoupling air/steam hose, saf	---	1	---	---	---	1	6	6	4	6	3	25
Operating on or on locomotives	---	---	---	---	---	---	4	6	2	---	2	14
Operating rail motorcars	---	---	---	---	---	---	5	7	3	1	4	20
Operating hand brakes	---	---	---	---	---	---	2	11	1	1	5	20
Operating switches or derails	---	---	---	---	---	---	3	5	3	7	2	20
Contacting fixed objects while on loco	---	---	---	---	---	---	---	---	---	---	---	---
Getting on or off cars or locomotives	---	---	---	---	---	---	14	9	29	3	18	73
Collisions, derailments, etc. (below \$	---	---	---	---	---	---	---	---	---	---	---	---
Highway-rail crossing accidents/incide	---	---	---	---	---	---	1	---	1	---	3	5
Struck by/ran into loco/car(not at hwy	---	---	---	---	---	---	1	---	1	---	1	3
Servicing or maintenance of equipment	9	---	---	---	---	9	31	80	45	29	43	228
Maintenance of way and structures	9	---	2	---	---	11	35	146	85	29	47	342
Freight, baggage, express or mail	2	---	---	---	---	2	---	---	---	---	1	1
Windows, doors, etc., on on-track equi	3	---	---	---	---	3	7	22	---	4	---	33
Passenger car doors	---	---	---	---	---	---	---	1	---	---	---	1
Stumbling, slipping, falling, caught,	---	---	---	---	---	---	52	19	100	4	51	226
Flying or falling objects, burns, etc.	---	---	---	---	---	---	3	2	---	4	2	11
Operation of on-track work equipment	---	---	---	---	---	---	1	---	1	---	2	4
Assault	---	---	---	---	---	---	1	---	---	---	11	12
Other occurrences	5	2	---	---	---	7	18	24	19	6	23	90
Total	29	2	2	---	---	33	184	338	294	94	218	1,128
Grand Total	26	46	103	22	---	197	283	371	444	104	408	1,610

Table 49. Nonfatal Injuries By Occurrence, 1992

Type of Accident/Incident	Other Injuries								Total Injured	
	Bruise	Sprain/ Strain	Cut	Elec. Burn	Other Burns	Disloc- cation	Object In Eye	Other		
<b>TRAIN ACCIDENTS</b>										
Collisions	10	30	9	---	---	1	1	4	55	59
Derailments	17	32	5	---	---	---	---	12	66	68
Rail-highway x-ing	52	62	18	---	---	---	---	68	200	212
Miscellaneous	9	18	7	---	---	---	---	5	39	41
Total.....	88	142	39	---	---	1	1	89	360	380
<b>TRAIN INCIDENTS</b>										
Coupling and uncoupling locomotives or Coupling/uncoupling air/steam hose, saf Operating or on locomotives.....	29 8 103	85 6 229	12 6 29	---	1 1 3	5 ---	6 1 84	4 1 102	142 23 553	161 27 562
Operating rail motorcars.....	6	7	1	---	---	---	---	---	14	14
Operating hand brakes.....	12	28	2	---	---	---	---	2	44	51
Operating switches or derails.....	3	6	2	---	---	---	1	---	12	14
Contacting fixed objects while on loco	26	14	2	---	1	1	---	2	46	50
Getting on or off cars or locomotives.	72	248	39	---	---	7	---	22	388	447
Collisions, derailments, etc. (below \$	20	56	4	---	---	---	---	5	85	96
Highway-rail crossing accidents/incide	329	198	369	---	1	6	1	583	1,487	1,719
Struck by/ran into loco/car/not at hwy	40	11	93	1	---	---	---	112	257	427
Servicing or maintenance of equipment.	14	26	7	---	---	1	---	4	52	66
Maintenance of way and structures.....	14	15	8	---	---	---	---	7	44	61
Freight, baggage, express or mail....	2	6	1	---	---	---	1	1	11	14
Windows, doors, etc., on on-track equi	23	18	18	---	---	1	2	2	64	70
Passenger car doors.....	---	---	2	---	---	---	---	1	3	3
Stumbling, slipping, falling, caught,	40	68	26	---	2	4	---	10	150	180
Flying or falling objects, burns, etc.	17	5	9	2	12	1	54	35	135	140
Operation of on-track work equipment..	21	24	8	---	---	1	---	2	56	65
Assault.....	18	6	17	---	---	---	1	5	47	49
Other occurrences.....	50	92	32	---	4	2	2	32	214	237
Total.....	847	1,148	687	4	25	31	153	932	3,827	4,453
<b>NONTRAIN INCIDENTS</b>										
Coupling and uncoupling locomotives or Coupling/uncoupling air/steam hose, saf Operating or on locomotives.....	55 30 71	268 105 230	28 38 27	1 1 2	1 ---	1 12	4 6 51	25 10 53	383 190 448	408 205 468
Operating rail motorcars.....	9	8	3	---	---	1	---	---	21	21
Operating hand brakes.....	38	273	25	1	---	---	11	349	369	369
Operating switches or derails.....	55	721	10	---	---	4	5	33	828	848
Contacting fixed objects while on loco	5	3	2	---	---	---	---	1	11	11
Getting on or off cars or locomotives.	166	514	59	1	---	14	1	38	793	866
Collisions, derailments, etc. (below \$	---	---	---	---	---	---	---	---	---	---
Highway-rail crossing accidents/incide	5	2	7	---	---	---	---	4	14	17
Struck by/ran into loco/car/not at hwy	1	2	7	---	---	---	---	---	---	---
Servicing or maintenance of equipment.	513	1,450	456	37	89	23	277	245	3,090	3,327
Maintenance of way and structures.....	599	2,105	647	21	71	21	197	349	4,010	4,363
Freight, baggage, express or mail....	11	57	3	---	---	1	1	3	76	79
Windows, doors, etc., on on-track equi	59	104	49	1	---	---	1	10	224	260
Passenger car doors.....	8	5	4	---	---	---	---	1	18	19
Stumbling, slipping, falling, caught,	398	1,137	144	---	---	23	---	71	1,773	1,999
Flying or falling objects, burns, etc.	27	11	35	19	27	---	126	73	318	329
Operation of on-track work equipment..	5	35	4	---	---	1	---	8	53	57
Assault.....	31	36	27	---	---	1	---	13	108	120
Other occurrences.....	293	850	193	1	7	10	14	399	1,767	1,864
Total.....	2,379	7,916	1,766	85	207	103	683	1,364	14,503	15,664
Grand Total.....	3,314	9,206	2,492	89	232	135	837	2,385	18,690	20,497

Table 50. Nature Of Injuries By Person, 1992

Type Person	Amputations					Fractures						
	Arm/ Hand	Finger	Leg/ Foot	Toe	Other Part	Total	Arm/ Hand	Finger	Leg/ Foot	Toe	Other Part	Total
EMPLOYEES ON DUTY												
YARD SERVICE:												
Engineers and Motormen	---	---	---	---	---	---	2	3	3	---	2	10
Firemen and Helpers	---	---	---	---	---	---	1	---	---	---	---	1
Conductors and Foremen	---	1	2	---	---	3	5	2	7	7	7	28
Brakemen and Helpers	2	3	1	1	---	7	9	17	30	8	9	73
Total.....	2	4	3	1	---	10	17	22	40	15	18	112
FREIGHT SERVICE:												
Engineers and Motormen	---	1	---	---	---	1	2	6	7	2	9	26
Firemen and Helpers	---	---	---	---	---	---	---	---	---	---	---	---
Conductors and Foremen	---	2	2	2	---	6	22	16	23	4	27	92
Brakemen and Helpers	1	1	1	---	---	3	11	15	18	1	13	58
Total.....	1	4	3	2	---	10	35	37	48	7	49	176
PASSENGER SERVICE:												
Engineers and Motormen	---	---	---	---	---	---	---	5	2	---	1	8
Firemen and Helpers	---	---	---	---	---	---	---	1	---	---	---	1
Conductors and Foremen	---	---	---	---	---	---	3	6	6	3	7	25
Baggagemen	---	---	---	---	---	---	---	---	---	---	---	---
Brakemen and Helpers	---	---	---	---	---	---	---	1	---	1	2	4
Total.....	---	---	---	---	---	---	3	13	8	4	10	38
HOSTLERS	---	---	---	---	---	---	1	---	---	---	---	1
--SUMMARY--												
Total employees on duty	3	32	10	5	---	50	157	338	268	96	213	1,072
Employees not on duty	---	---	1	---	---	1	5	2	13	2	7	29
Passengers	---	---	---	---	---	---	10	6	18	1	8	43
Nontrespassers	1	4	4	1	---	10	78	22	98	3	140	341
Trespassers	22	10	88	16	---	136	33	3	47	2	40	125
Grand total	26	46	103	22	---	197	283	371	444	104	408	1,610

Table 50. Nature Of Injuries By Person, 1992

Type Person	Other Injuries								Total	Total Injured
	Bruise	Sprain/ Strain	Cut	Elec. Burn	Other Burns	Disloc- Cation	Object In Eye	Other		
EMPLOYEES ON DUTY										
YARD SERVICE:										
Engineers and Motormen	46	180	24	---	2	---	21	29	302	312
Firemen and Helpers	---	4	2	---	---	---	---	1	7	8
Conductors and Foremen	97	282	40	1	3	2	25	37	487	518
Brakemen and Helpers	205	805	85	1	11	6	72	82	1,267	1,347
Total.....	348	1,271	151	2	16	8	118	149	2,063	2,185
FREIGHT SERVICE:										
Engineers and Motormen	111	464	34	---	11	5	57	82	764	791
Firemen and Helpers	2	7	3	---	---	---	1	---	13	13
Conductors and Foremen	239	834	108	1	7	13	46	108	1,356	1,454
Brakemen and Helpers	169	709	55	---	4	8	40	101	1,086	1,147
Total.....	521	2,014	200	1	22	26	144	291	3,219	3,405
PASSENGER SERVICE:										
Engineers and Motormen	29	85	15	1	2	---	11	25	168	176
Firemen and Helpers	2	2	1	---	2	---	1	3	11	12
Conductors and Foremen	90	221	33	2	---	4	16	42	408	433
Baggagemen	---	1	---	---	---	---	---	---	1	1
Brakemen and Helpers	12	41	7	1	---	---	10	3	74	78
Total.....	133	350	56	4	4	4	38	73	662	700
HOSTLERS	12	31	6	---	---	1	2	6	58	59
--SUMMARY--										
Total employees on duty	2,656	8,674	1,765	76	222	103	801	1,453	15,750	16,872
Employees not on duty	57	124	31	---	3	5	15	42	277	307
Passengers	89	105	87	---	2	13	2	70	368	411
Nontrespassers	425	284	432	2	5	12	19	605	1,784	2,135
Trespassers	87	19	177	11	---	2	---	215	511	772
Grand total	3,314*	9,206	2,492	89	232	135	837	2,385	18,690	20,497



Table 51. Employee On Duty Casualties By Type Of Casualty

Type/Location Of Casualty	Total Cases	CASES WITH DAYS AWAY FROM WORK			OR DAYS OF RESTRICTION	RESTRICTION Days Of Restriction	Other Cases
		Total Cases	Lost Day Cases	Restricted Cases			
<b>INJURIES</b>							
Bruise - Contusion							
Arm or Hand..	753	526	431	95	15,338	2,178	227
Leg or Foot..	908	769	694	75	30,260	2,588	139
Head or Face.	241	188	180	8	10,812	142	53
Torso.....	670	576	525	51	36,285	2,441	94
Other Parts..	84	69	61	8	3,768	120	15
Subtotal	2,656	2,128	1,891	237	96,463	7,469	528
Sprain - Strain							
Arm or Hand..	799	633	538	95	27,950	4,106	166
Leg or Foot..	2,162	1,960	1,799	161	104,679	9,979	202
Head or Face.	523	427	401	26	31,581	1,707	96
Torso.....	5,044	4,495	4,083	412	286,162	21,389	549
Other Parts..	146	127	114	13	5,493	664	19
Subtotal	8,674	7,642	6,935	707	455,865	37,845	1,032
Cut or Laceration							
Arm or Hand..	919	446	334	112	8,744	2,201	473
Leg or Foot..	245	159	139	20	4,852	410	86
Head or Face.	549	246	222	24	5,692	203	303
Torso.....	33	23	22	1	1,187	52	10
Other Parts..	19	9	8	1	265	12	10
Subtotal	1,765	883	725	158	20,740	2,878	882
Puncture.....	265	118	103	15	1,368	170	147
Electric Shock or Burn.....	76	60	57	3	2,527	131	16
Other Burn.....	222	130	107	23	3,110	304	92
Dislocation.....	103	91	80	11	6,166	583	12
Fracture							
Arm or Hand..	495	407	316	91	20,847	4,679	88
Leg or Foot..	364	344	322	22	26,444	2,855	20
Head or Face.	44	30	29	1	2,269	33	14
Torso.....	163	152	146	6	11,243	535	11
Other Parts..	6	6	5	1	427	20	0
Subtotal	1,072	939	818	121	61,230	8,122	133
Dental.....	61	15	14	1	683	5	46
Amputation							
Arm or Hand..	35	32	29	3	2,098	196	3
Leg or Foot..	15	15	15	0	3,039	177	0
Other Parts..	0	0	0	0	0	0	0
Subtotal	50	47	44	3	5,137	373	3
Foreign Object in Eye.....	801	372	310	62	1,495	175	429
Hernia.....	140	131	124	7	5,686	518	9
Concussion.....	46	42	41	1	3,443	459	4
Nervous Shock (Injury Related)..	6	4	4	0	52	0	2
Internal Injury.....	22	20	20	0	1,643	30	2
Loss of Eye.....	0	0	0	0	0	0	0
Reaction 1 Time Exposure (Chem).	115	58	54	4	621	90	57
One Time Exposure to Noise.....	12	9	9	0	217	14	3
One Time Exposure to Fumes.....	0	0	0	0	0	0	0
Other -Not Elsewhere Classified.	786	558	524	34	29,942	1,662	228
Total Nonfatal Injuries	16,872	13,247	11,860	1,387	696,388	60,828	3,625
<b>ILLNESSES</b>							
Occu. Skin Diseases or Disorders	57	28	26	2	384	27	29
Dust Diseases of the Lungs.....	5	1	0	1	0	15	4
Respiratory-Due to Toxic Agents.	78	59	58	1	1,250	9	19
Poison-Systemic Effect of Toxin	13	7	7	0	409	2	6
Disorders Due to Physical Agents	32	14	14	0	677	0	18
Disorders Due to Repeated Trauma	660	200	166	34	9,270	2,545	460
Other Occupational Illnesses....	38	35	26	9	919	26	3
Total Nonfatal Illnesses	883	344	297	47	12,909	2,624	539
***Fatal INJURIES >	34	***Fatal ILLNESSES >	0	***TOTAL FATALITIES >	34		

Table 52. Employee On Duty Casualties By Job Category

	Killed	Injured	Illness	Total
<b>EXECUTIVES, OFFICIALS, AND STAFF ASSISTANTS</b>				
Executives and general officers.....	1	3	---	4
Corporate staff managers.....	---	5	1	6
Regional and division officers, assistants and staff assistants....	---	12	2	14
Transportation officers/managers.....	---	14	---	14
Subtotal.....	1	34	3	38
<b>PROFESSIONAL AND ADMINISTRATIVE</b>				
Professional.....	---	21	4	25
Subprofessionals.....	---	20	1	21
Auditors, traveling auditors or accountants.....	---	5	---	5
General and administrative supervisors.....	---	26	4	30
Sales and traffic representatives and agents.....	---	19	---	19
Freight and other claim agents and investigators.....	---	4	1	5
Supervising and chief claim agents.....	---	1	---	1
Lieutenants and sergeants of police.....	---	46	3	49
Police officers, watchmen and guards (except crossing & bridge)....	---	144	5	149
Inspectors, (except MOW & MDE), other investigators, examiners, etc	---	3	---	3
Buyers, and sales agents.....	---	23	---	23
Clerical technicians and clerical specialists.....	---	102	71	173
Office machine and data equipment operators.....	---	25	2	27
Secretaries, stenographers, and typists.....	---	22	---	22
General and other clerks (except yard clerk and crew dispatcher)...	---	253	33	286
Telephone and switchboard operators.....	---	3	---	3
Building and office attendants.....	---	52	4	56
Messengers and office persons.....	---	4	---	4
Motor vehicle operators.....	---	119	2	121
Subtotal.....	---	892	133	1,025
<b>MAINTENANCE OF WAY AND STRUCTURES</b>				
Maintenance of way and structures (miscellaneous).....	---	3	---	3
Supervisors, maintenance of way, structures, communication & signals	1	77	---	78
Maintenance of way, structures, comm. & signals, & scale inspectors	1	97	7	105
Bridge and building gang foreman.....	---	76	7	83
Bridge and building carpenters.....	1	205	8	214
Bridge and building ironworkers.....	---	72	3	75
Bridge and building painters.....	---	14	---	14
Masons, bricklayers, plasterers, and plumbers.....	1	176	11	188
Bridge and building helpers and apprentices.....	---	60	6	66
Bridge and building gang and bridge and building dept laborers....	---	69	5	74
Track gang foremen (extra gang work train laborers).....	---	114	5	119
Gang or section foreman.....	1	380	12	393
Extra gang laborers.....	1	510	15	526
Section laborers.....	1	1,543	51	1,595
Machine operators.....	1	787	37	825
Gang foremen, communications and signals.....	---	36	---	36
Signalmen and signal maintainers.....	2	500	29	531
Linemen and groundmen and communications craftsman.....	---	151	11	162
Assistant signalmen and assistant signal maintainers.....	---	34	3	37
Signal helpers and signal maintainer helpers.....	---	42	---	42
Camp car cooks.....	---	12	---	12
Subtotal.....	10	4,958	210	5,178
<b>MAINTENANCE OF EQUIPMENT AND STORES</b>				
Supervisors and general foremen, maintenance of equipment.....	1	58	8	67
Supervisors and general foremen, materials and stores.....	---	9	---	9
Equipment, shop, electrical inspectors.....	---	21	2	23
Materials and supplies inspectors.....	---	2	---	2
Storekeeper.....	---	33	3	36
Gang foremen, maintenance of equipment.....	---	64	3	67
Blacksmiths.....	---	19	2	21
Boilermakers.....	---	59	2	61
Carmen (freight).....	1	1,058	120	1,179
Carmen (other).....	1	441	8	450
Electrical workers (A).....	---	493	25	518
Electrical workers (B).....	---	14	1	15
Electrical workers (C).....	---	12	1	13
Machinists.....	---	875	60	935
Sheet metal workers.....	---	168	4	172
Skilled trades, helpers, maintenance of equipment and stores.....	---	123	2	125
Apprentices, maintenance of equipment and stores.....	---	28	---	28
Coach cleaners.....	---	204	2	206
Laborers: shops, enginehouses and power plants.....	---	293	16	309
Gang foremen, materials and stores.....	---	4	---	4
Equipment operators and general laborers, materials and stores....	---	80	5	85
Stationary engineers.....	---	2	---	2
Stationary firemen.....	---	10	---	10
Subtotal.....	3	4,070	264	4,337

Table 52. Employee On Duty Casualties By Job Category

	Killed	Injured	Illness	Total
<b>TRANSPORTATION, OTHER THAN TRAIN AND ENGINE</b>				
Transportation supervisor and chief train dispatcher.....	---	12	---	12
Train dispatchers.....	---	11	3	14
Station, freight and passenger agents.....	---	8	1	9
Chief operators and wire chiefs.....	---	1	---	1
Clerk operators, towerman, train directors.....	---	26	3	29
Station masters & assts, supervising bag. agents, bag. agents, etc.	---	3	---	3
Baggage, parcel room and station attendents.....	---	44	---	44
General & asst gnrl foremen, stations, warehouses, grain elev., docks.	---	1	---	1
Grain elevator, and dock laborers.....	---	22	---	22
Station, and warehouse laborers.....	---	40	1	41
Truckers (station, warehouse and platforms).....	---	10	---	10
Food and lodging manager, supervisors.....	---	10	---	10
Transportation and dining-service inspectors.....	---	2	---	2
Waiters and kitchen helpers (restaurant and dining car).....	---	35	---	35
Chefs and cooks (restaurant and dining car).....	---	41	---	41
Marine officers and workers and shore workers.....	---	1	---	1
Train attendants.....	---	141	---	141
Bridge operators and helpers.....	---	5	2	7
Yards clerks.....	---	50	24	74
Crew dispatchers.....	---	11	6	17
Yardmasters and assistant yardmasters.....	---	40	9	49
Subtotal.....	---	514	49	563
<b>TRANSPORTATION, TRAIN AND ENGINE</b>				
Switchtenders.....	---	32	---	32
Car retarder operators and ground service employees.....	---	1	---	1
Outside hostlers.....	---	37	1	38
Outside hostler helpers.....	---	22	---	22
Inside hostler.....	---	22	1	23
Road passenger conductors.....	1	373	9	383
Assistant road passenger conductors and ticket collectors.....	---	60	---	60
Road freight conductors (through freight).....	4	874	24	902
Road freight conductors (local and way freight).....	3	580	10	593
Road passenger baggageperson.....	---	1	---	1
Road Passenger brakemen and flagmen.....	---	78	1	79
Road freight brakemen and flagmen (through freight).....	1	498	25	524
Road freight brakemen and flagmen (local and way freight).....	3	649	11	663
Yard conductors and yard foremen.....	1	518	24	543
Yard brakemen and yard helpers.....	6	1,347	41	1,394
Road passenger engineers and motormen.....	---	176	14	190
Road freight engineers (through freight).....	1	514	30	545
Road freight engineers (local and way freight).....	---	277	9	286
Yard engineers.....	---	312	24	336
Road passenger firemen and helpers.....	---	12	---	12
Road freight firemen and helpers (through freight).....	---	8	---	8
Road freight firemen and helpers (local and way freight).....	---	5	---	5
Yard firemen and helpers.....	---	8	---	8
Subtotal.....	20	6,404	224	6,648
Total.....	34	16,872	883	17,789

Table 53. Employee Fatalities By Job Groups, 1992

Type accident/incident	I*	II	III	IV	V	VI	Total
<b>TRAIN ACCIDENTS</b>							
Collisions	---	---	---	---	---	1	1
Derailments	---	---	---	---	---	1	1
Rail-highway x-ing	1	---	---	---	---	---	1
Miscellaneous	---	---	---	---	---	2	2
Total	1	---	---	---	---	4	5
<b>TRAIN INCIDENTS</b>							
Coupling and uncoupling locomotives or cars.....	---	---	---	---	---	5	5
Coupling/uncoupling air/steam hose, safety chains.	---	---	---	---	---	---	---
Operating or on locomotives.....	---	---	---	---	---	1	1
Operating rail motorcars.....	---	---	---	---	---	---	---
Operating hand brakes.....	---	---	---	---	---	---	---
Operating switches or derails.....	---	---	---	---	---	1	1
Contacting fixed objects while on locos or cars..	---	---	---	---	---	1	1
Getting on or off cars or locomotives.....	---	---	---	---	---	2	2
Collisions, derailments, etc. (below \$ threshold)	---	---	---	---	---	---	---
Highway-rail crossing accidents/incidents.....	---	---	1	---	---	---	1
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	---	3	---	---	2	5
Servicing or maintenance of equipment.....	---	---	---	---	---	---	---
Maintenance of way and structures.....	---	---	2	---	---	---	2
Freight, baggage, express or mail.....	---	---	---	---	---	---	---
Windows, doors, etc., on on-track equipment.....	---	---	---	---	---	---	---
Passenger car doors.....	---	---	---	---	---	---	---
Stumbling, slipping, falling, caught, N.O.C.....	---	---	---	---	---	---	---
Flying or falling objects, burns, etc., N.O.C....	---	---	---	---	---	---	---
Operation of on-track work equipment.....	---	---	2	---	---	---	2
Assault.....	---	---	---	---	---	---	---
Other occurrences.....	---	---	---	---	---	---	---
Total	---	---	8	---	---	12	20
<b>NONTRAIN INCIDENTS</b>							
Coupling and uncoupling locomotives or cars.....	---	---	---	---	---	1	1
Coupling/uncoupling air/steam hose, safety chains.	---	---	---	---	---	1	1
Operating or on locomotives.....	---	---	---	---	---	---	---
Operating rail motorcars.....	---	---	---	---	---	---	---
Operating hand brakes.....	---	---	---	---	---	1	1
Operating switches or derails.....	---	---	---	---	---	---	---
Contacting fixed objects while on locos or cars..	---	---	---	---	---	---	---
Getting on or off cars or locomotives.....	---	---	---	---	---	---	---
Collisions, derailments, etc. (below \$ threshold)	---	---	---	---	---	---	---
Highway-rail crossing accidents/incidents.....	---	---	---	---	---	---	---
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	---	---	---	---	---	---
Servicing or maintenance of equipment.....	---	---	---	1	---	---	1
Maintenance of way and structures.....	---	---	---	---	---	---	---
Freight, baggage, express or mail.....	---	---	---	---	---	---	---
Windows, doors, etc., on on-track equipment.....	---	---	---	1	---	---	1
Passenger car doors.....	---	---	---	---	---	---	---
Stumbling, slipping, falling, caught, N.O.C.....	---	---	1	---	---	1	2
Flying or falling objects, burns, etc., N.O.C....	---	---	---	---	---	---	---
Operation of on-track work equipment.....	---	---	---	---	---	---	---
Assault.....	---	---	---	---	---	---	---
Other occurrences.....	---	---	1	1	---	---	2
Total	---	---	2	3	---	4	9
Grand total.....	1	---	10	3	---	20	34

NOTE: I = Executives, officials, and staff assistants  
 II = Professional, clerical, and general  
 III = Maintenance of way and structures  
 IV = Maintenance of equipment and stores  
 V = Transportation (other than train, engine, and yard)  
 VI = Transportation (train and engine)

Table 54. Employee Injuries By Job Groups, 1992

Type accident/incident	I*	II	III	IV	V	VI	Total
<b>TRAIN ACCIDENTS</b>							
Collisions	1	---	5	---	---	52	58
Derailments	---	---	3	---	3	33	39
Rail-highway x-ing	1	---	---	2	11	48	62
Miscellaneous	---	2	6	2	---	22	32
Total	2	2	14	4	14	155	191
<b>TRAIN INCIDENTS</b>							
Coupling and uncoupling locomotives or cars	---	---	---	1	1	159	161
Coupling/uncoupling air/steam hose, safety chains	---	---	---	2	---	25	27
Operating or on locomotives	---	1	1	---	2	553	560
Operating rail motorcars	---	---	5	---	---	8	13
Operating hand brakes	---	---	1	---	---	49	51
Operating switches or derails	---	---	---	---	1	13	14
Contacting fixed objects while on locos or cars	---	---	---	1	6	42	49
Getting on or off cars or locomotives	---	1	1	5	5	370	382
Collisions, derailments, etc. (below \$ threshold)	---	---	8	1	1	75	85
Highway-rail crossing accidents/incidents	---	2	7	---	---	76	85
Struck by/ran into loco/car(not at hwy-rr x-ing)	---	1	5	3	---	21	31
Servicing or maintenance of equipment	---	2	7	50	5	2	66
Maintenance of way and structures	---	2	54	1	---	1	58
Freight, baggage, express or mail	---	---	---	---	6	5	11
Windows, doors, etc., on on-track equipment	---	---	3	1	11	42	58
Passenger car doors	---	1	---	1	1	---	3
Stumbling, slipping, falling, caught, N.O.C.	---	1	5	1	25	74	106
Flying or falling objects, burns, etc., N.O.C.	---	1	4	2	22	93	122
Operation of on-track work equipment	---	3	50	1	1	7	62
Assault	---	---	---	---	3	42	45
Other occurrences	---	6	6	6	29	126	173
Total	---	22	157	80	120	1,783	2,162
<b>NONTRAIN INCIDENTS</b>							
Coupling and uncoupling locomotives or cars	---	---	2	17	5	383	407
Coupling/uncoupling air/steam hose, safety chains	---	---	3	29	---	173	205
Operating or on locomotives	---	---	5	38	2	421	466
Operating rail motorcars	---	---	6	---	---	14	20
Operating hand brakes	---	---	1	20	---	348	369
Operating switches or derails	---	3	30	33	5	777	848
Contacting fixed objects while on locos or cars	---	1	1	4	1	4	11
Getting on or off cars or locomotives	1	16	14	82	17	640	770
Collisions, derailments, etc. (below \$ threshold)	---	---	---	---	---	---	---
Highway-rail crossing accidents/incidents	---	---	---	---	---	---	---
Struck by/ran into loco/car(not at hwy-rr x-ing)	---	---	---	---	---	1	1
Servicing or maintenance of equipment	3	38	252	2,888	25	92	3,298
Maintenance of way and structures	4	76	3,869	311	10	17	4,287
Freight, baggage, express or mail	1	25	---	9	24	13	72
Windows, doors, etc., on on-track equipment	---	11	30	61	13	126	241
Passenger car doors	---	---	---	1	3	4	8
Stumbling, slipping, falling, caught, N.O.C.	7	152	199	233	99	851	1,541
Flying or falling objects, burns, etc., N.O.C.	3	30	27	37	15	154	266
Operation of on-track work equipment	---	1	45	5	2	2	55
Assault	---	43	14	8	3	40	108
Other occurrences	13	472	289	210	156	406	1,546
Total	32	868	4,787	3,986	380	4,466	14,519
Grand total	34	892	4,958	4,070	514	6,404	16,872

NOTE: I = Executives, officials, and staff assistants  
 II = Professional, clerical, and general  
 III = Maintenance of way and structures  
 IV = Maintenance of equipment and stores  
 V = Transportation (other than train, engine, and yard)  
 VI = Transportation (train and engine)

Table 55. Summary Of Nonfatal Employee Injuries By Occurrence, 1992

Type of Occurrence	Total Cases	Cases With Total Cases	Days Away From Work Lost Day Cases	From Work Restricted Cases	Or Days Of Days Away From Work	Restriction Days Of Restriction	Other Cases
<b>TRAIN ACCIDENTS</b>							
Collisions	58	46	45	1	2,711	306	12
Derailments	39	35	35	---	2,311	101	4
Rail-highway x-ing	62	56	55	1	4,807	36	6
Miscellaneous	32	29	29	---	2,862	24	3
Total	191	166	164	2	12,691	467	25
<b>TRAIN INCIDENTS</b>							
Coupling and uncoupling locomotives or cars	161	144	134	10	10,028	706	17
Coupling/uncoupling air/steam hose, safety chains	27	24	22	2	1,570	153	3
Operating or on locomotives	560	456	441	15	30,501	1,317	104
Operating rail motorcars	13	11	10	1	282	226	2
Operating hand brakes	51	45	43	2	3,572	159	6
Operating switches or derails	14	13	13	---	404	37	1
Contacting fixed objects while on locos or cars	49	45	41	4	2,624	59	4
Getting on or off cars or locomotives	382	358	337	21	25,535	2,197	24
Collisions, derailments, etc. (below \$ threshold)	85	75	74	1	6,644	102	10
Highway-rail crossing accidents/incidents	85	74	72	2	5,849	255	11
Struck by/ran into loco/car(not at hwy-rr x-ing)	31	28	28	---	2,820	1	3
Servicing or maintenance of equipment	66	52	46	6	2,755	161	14
Maintenance of way and structures	58	41	36	5	2,202	199	17
Freight, baggage, express or mail	11	11	10	1	342	1	---
Windows, doors, etc., on on-track equipment	58	48	44	4	1,546	65	10
Passenger car doors	3	1	1	---	1	---	2
Stumbling, slipping, falling, caught, N.O.C.	106	98	92	6	6,341	631	8
Flying or falling objects, burns, etc., N.O.C.	122	80	78	2	2,237	125	42
Operation of on-track work equipment	62	49	41	8	2,755	133	13
Assault	45	41	41	---	1,776	6	4
Other occurrences	173	151	143	8	9,186	697	22
Total	2,162	1,845	1,747	98	118,970	7,230	317
<b>NONTRAIN INCIDENTS</b>							
Coupling and uncoupling locomotives or cars	407	367	352	15	22,886	1,099	40
Coupling/uncoupling air/steam hose, safety chains	205	166	153	13	7,543	447	39
Operating or on locomotives	466	387	371	16	23,301	1,190	79
Operating rail motorcars	20	16	15	1	490	3	4
Operating hand brakes	369	335	311	24	19,617	827	34
Operating switches or derails	848	776	732	44	52,870	3,670	72
Contacting fixed objects while on locos or cars	11	8	8	---	373	---	3
Getting on or off cars or locomotives	770	703	665	38	41,790	2,628	67
Collisions, derailments, etc. (below \$ threshold)	---	---	---	---	---	---	---
Highway-rail crossing accidents/incidents	---	---	---	---	---	---	---
Struck by/ran into loco/car(not at hwy-rr x-ing)	1	1	1	---	110	---	---
Servicing or maintenance of equipment	3,298	2,382	2,010	372	103,646	14,056	916
Maintenance of way and structures	4,287	3,079	2,581	498	141,430	15,992	1,208
Freight, baggage, express or mail	72	53	53	---	2,074	35	19
Windows, doors, etc., on on-track equipment	241	187	170	17	8,366	857	54
Passenger car doors	8	6	5	1	41	2	2
Stumbling, slipping, falling, caught, N.O.C.	1,541	1,371	1,242	129	83,557	6,867	170
Flying or falling objects, burns, etc., N.O.C.	266	167	151	16	3,628	255	99
Operation of on-track work equipment	55	39	35	4	2,494	227	16
Assault	108	87	83	4	2,061	174	21
Other occurrences	1,546	1,106	1,011	95	48,450	4,802	440
Total	14,519	11,236	9,949	1,287	564,727	53,131	3,283
Grand total	16,872	13,247	11,860	1,387	696,388	60,828	3,625

Table 56. Employee Illnesses By Job Groups, 1992

Type accident/incident	I*	II	III	IV	V	VI	Total
<b>TRAIN ACCIDENTS</b>							
Collisions	---	---	---	---	---	---	---
Derailments	---	---	---	---	---	3	3
Rail-highway x-ing	---	---	---	---	---	3	3
Miscellaneous	---	---	---	---	---	---	---
Total.....	---	---	---	---	---	6	6
<b>TRAIN INCIDENTS</b>							
Coupling and uncoupling locomotives or cars.....	---	---	---	---	---	---	---
Coupling/uncoupling air/steam hose, safety chains.	---	---	---	---	---	1	1
Operating or on locomotives.....	---	---	---	---	---	42	42
Operating rail motorcars.....	---	---	---	---	---	---	---
Operating hand brakes.....	---	---	---	---	---	---	---
Operating switches or derails.....	---	---	---	---	---	---	---
Contacting fixed objects while on locos or cars..	---	---	---	---	---	1	1
Getting on or off cars or locomotives.....	---	---	---	---	---	---	---
Collisions, derailments, etc. (below \$ threshold)	---	---	---	---	---	---	---
Highway-rail crossing accidents/incidents.....	---	---	---	---	---	7	7
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	---	---	---	---	5	5
Servicing or maintenance of equipment.....	---	---	---	---	---	---	---
Maintenance of way and structures.....	---	---	---	---	---	---	---
Freight, baggage, express or mail.....	---	---	---	---	---	---	---
Windows, doors, etc., on on-track equipment.....	---	---	---	---	---	---	---
Passenger car doors.....	---	---	---	---	---	---	---
Stumbling, slipping, falling, caught, N.O.C.....	---	---	---	---	---	5	5
Flying or falling objects, burns, etc., N.O.C....	---	---	---	---	---	---	---
Operation of on-track work equipment.....	---	---	4	---	---	---	4
Assault.....	---	---	---	---	---	1	1
Other occurrences.....	---	---	---	---	---	6	6
Total.....	---	---	4	---	---	68	72
<b>NONTRAIN INCIDENTS</b>							
Coupling and uncoupling locomotives or cars.....	---	---	---	---	---	2	2
Coupling/uncoupling air/steam hose, safety chains.	---	---	---	---	---	1	1
Operating or on locomotives.....	---	---	---	2	---	20	22
Operating rail motorcars.....	---	---	---	---	---	---	---
Operating hand brakes.....	---	---	---	1	---	---	1
Operating switches or derails.....	---	---	---	---	---	7	7
Contacting fixed objects while on locos or cars..	---	---	---	---	---	---	---
Getting on or off cars or locomotives.....	---	1	---	---	---	4	5
Collisions, derailments, etc. (below \$ threshold)	---	---	---	---	---	---	---
Highway-rail crossing accidents/incidents.....	---	---	---	---	---	---	---
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	---	---	---	---	---	---
Servicing or maintenance of equipment.....	---	1	7	143	---	2	153
Maintenance of way and structures.....	---	2	123	4	3	---	132
Freight, baggage, express or mail.....	---	---	---	---	---	---	---
Windows, doors, etc., on on-track equipment.....	---	---	---	---	---	---	---
Passenger car doors.....	---	---	---	---	---	---	---
Stumbling, slipping, falling, caught, N.O.C.....	---	1	1	1	---	---	3
Flying or falling objects, burns, etc., N.O.C....	---	3	---	---	1	12	16
Operation of on-track work equipment.....	---	---	---	---	---	---	---
Assault.....	---	---	---	---	---	2	2
Other occurrences.....	3	125	75	113	45	100	461
Total.....	3	133	206	264	49	150	805
Grand total.....	3	133	210	264	49	224	883

NOTE: I = Executives, officials, and staff assistants  
 II = Professional, clerical, and general  
 III = Maintenance of way and structures  
 IV = Maintenance of equipment and stores  
 V = Transportation (other than train, engine, and yard)  
 VI = Transportation (train and engine)

Table 57. Summary Of Nonfatal Employee On Duty Injuries Due To Assaults, 1992

Railroad	<STRUCK by THROWN/PROPELLED OBJECT WHILE:>				<<OTHER ASSAULTS>>		TOTAL CASES
	On Locomotive	On Caboose	On Cars	NOT on Consist	On Consists	NOT on Consists	
<b>CLASS I RAILROADS</b>							
Amtrak (National Railroad Passenger C	1	0	0	0	1	11	13
Atchison, Topeka & Santa Fe Railway C	0	0	0	0	0	0	0
Burlington Northern Railroad Company	1	0	1	0	0	2	4
Chicago & North Western Transportatio	0	0	0	0	0	1	1
Consolidated Rail Corporation	4	0	0	0	1	8	13
CSX Transportation	5	0	0	1	0	1	7
Denver & Rio Grande Western Railroad	0	0	0	0	0	1	1
Grand Trunk Western Railroad Company	1	0	0	0	0	2	3
Illinois Central Railroad Company	2	0	0	0	0	0	2
Kansas City Southern Railway Company	1	0	0	0	0	0	1
Norfolk Southern Corporation	2	0	0	0	0	2	4
Soo Line Railroad Company	0	0	0	0	1	2	3
Southern Pacific Transportation Compa	4	1	0	0	1	7	13
St. Louis Southwestern Railway Compan	1	0	1	0	0	0	2
Union Pacific Railroad Company	3	1	0	0	3	3	10
Total Class I Railroads.....	25	2	2	1	7	40	77
<b>GROUP II RAILROADS **</b>							
Alton & Southern Railroad	0	0	0	0	0	0	0
Alaska Railroad Corporation	0	0	0	0	0	0	0
Bangor & Aroostook Railroad	0	0	0	0	0	0	0
Bessemer & Lake Erie Railroad Company	0	0	0	0	0	0	0
Belt Railway Company Of Chicago	0	0	0	0	0	0	0
Birmingham Southern Railroad Company	0	0	0	0	0	0	0
Chicago, Central & Pacific Railroad C	0	0	0	1	0	0	1
Cuyahoga Valley Railway Company	0	0	0	0	0	0	0
Delaware & Hudson Railway Company	0	0	0	0	0	0	0
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	0
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	0	0
Elgin, Joliet & Eastern Railway Compa	0	0	0	0	0	0	0
Florida East Coast Railway Company	0	0	0	0	0	1	1
Fox River Valley Railroad Corporation	0	0	0	0	0	0	0
Gateway Western Railway	0	0	0	0	0	1	1
Houston Belt & Terminal Railway Compa	0	0	0	0	0	0	0
Indiana Harbor Belt Railroad Company	0	0	0	0	0	0	0
Long Island Rail Road	0	0	0	0	0	20	20
Metro North Commuter Railroad Company	0	0	0	0	4	20	24
Montana Rail Link	0	0	0	1	0	0	1
Midsouth Rail Corporation	0	0	0	0	0	0	0
Northern Indiana Commuter Transportat	0	0	0	0	0	0	0
Northeast Illinois Regional Commuter	0	0	0	0	0	5	5
New Jersey Transit Rail Operations	0	0	0	0	4	8	12
Paducah & Louisville Railway Company	0	0	0	0	0	0	0
Port Authority Trans Hudson	0	0	0	0	0	2	2
Port Terminal Railroad Association	0	0	0	0	0	0	0
Southeastern Pennsylvania Transportat	0	0	1	0	1	3	5
Southern Pacific, Chicago-St. Louis C	1	0	0	0	0	0	1
Springfield Terminal Railway Company	0	0	0	0	0	1	1
Texas Mexican Railway Company	1	0	0	0	0	0	1
Terminal Railroad Association Of St.	0	0	0	0	0	0	0
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0
Wisconsin Central Ltd. (also Railway)	0	0	0	0	0	0	0
Wheeling & Lake Erie Railway Company	0	0	0	0	0	0	0
TOTAL GROUP II RAILROADS.....	2	0	1	2	9	61	75
<b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b>							
Class I Railroads	25	2	2	1	7	40	77
Group II Railroads **	2	0	1	2	9	61	75
All Other Railroads	1	0	0	0	0	0	1
Total All Railroads	28	2	3	3	16	101	153

\*\* Group II Railroads: Railroads, excluding Class I, with annual accumulation of over 400,000 employee hours worked.

**Table 58. Fatalities In Accidents Resulting From Miscellaneous Causes By Cause, 1992**

Cause	Total Killed	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
<b>HIGHWAY-RAIL GRADE CROSSING ACCIDENTS</b>						
M302 Highway user inattentiveness	16	---	---	---	14	2
M303 Hwy user misjudgement	5	---	---	---	3	2
M304 Highway user cited for violation	2	---	---	---	---	2
M399 Other causes (highway-rail collisions)	6	1	1	---	3	2
SUBTOTAL.....	29	1	1	---	20	8
<b>GRAND TOTAL.....</b>	<b>29</b>	<b>1</b>	<b>1</b>	<b>---</b>	<b>20</b>	<b>8</b>

NOTE: Includes illnesses resulting from accident, if any.  
Contractor employees are included with nontrespassers.

**Table 59. Injuries In Accidents Resulting From Miscellaneous Causes By Cause, 1992**

Cause	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
<b>ENVIRONMENTAL CONDITIONS</b>						
M199 Other extreme environmental conditions	1	---	1	---	---	---
SUBTOTAL.....	1	1	1	---	---	---
<b>LOADING PROCEDURES</b>						
M299 Miscellaneous loading procedures	1	---	1	---	---	---
SUBTOTAL.....	1	1	1	---	---	---
<b>HIGHWAY-RAIL GRADE CROSSING ACCIDENTS</b>						
M302 Highway user inattentiveness	104	16	5	21	58	23
M303 Hwy user misjudgement	9	4	---	4	---	5
M304 Highway user cited for violation	12	3	---	3	---	6
M399 Other causes (highway-rail collisions)	87	26	9	35	24	20
SUBTOTAL.....	212	49	14	63	82	51
<b>UNUSUAL OPERATIONAL SITUATIONS</b>						
M402 Object/equipment (mtr veh) on track	3	1	---	1	2	---
M403 Livestock on track	2	1	---	1	---	1
M404 Obj/equip on/fouling track, other	3	1	---	1	2	---
M406 Fire, other than vandalism	2	---	2	2	---	---
SUBTOTAL.....	10	3	2	5	4	1
<b>OTHER MISCELLANEOUS</b>						
M501 Interference(not vandals) with RR op.	2	2	---	2	---	---
M502 Vandalism of on-track equipment	1	1	---	1	---	---
M503 Vandalism of track or track appliances	16	8	1	9	7	---
M505 Cause under investigation	1	1	---	1	---	---
M599 Other miscellaneous causes	5	1	3	4	---	1
SUBTOTAL.....	25	13	4	17	7	1
<b>GRAND TOTAL.....</b>	<b>249</b>	<b>65</b>	<b>22</b>	<b>87</b>	<b>93</b>	<b>17</b>

NOTE: Includes illnesses resulting from accident, if any.  
Contractor employees are included with nontrespassers.

**Table 60. Fatalities In Accidents Resulting From Operating Practices (Human Factors) By Cause, 1992**

Cause	Total Killed	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
BRAKES, USE OF						
H021 Fail to apply car hnd brks -rr emp SUBTOTAL.....	2	1	---	---	1	---
FLAGGING, FIXED, HAND AND RADIO SIGNALS						
H212 Radio comm., failure to give/receive SUBTOTAL.....	1	1	---	---	---	---
GENERAL SWITCHING RULES						
H303 Derail, failure to apply or remove SUBTOTAL.....	1	1	---	---	---	---
SWITCHES, USE OF						
H702 Switch improperly lined SUBTOTAL.....	1	1	---	---	---	---
GRAND TOTAL.....	5	4	---	---	1	---

NOTE: Includes illnesses resulting from accident, if any.  
Contractor employees are included with nontrespassers.

**Table 61. Injuries In Accidents Resulting From Operating Practices (Human Factors) By Cause, 1992**

Cause	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
<b>BRAKES, USE OF</b>						
H008 Bottling the Air	2	2	---	---	---	---
H017 Failure to secure engine- rr empl	2	---	2	---	---	---
H020 Fail to apply suff. hand brakes -rr em	2	2	---	---	---	---
H021 Fail to apply car hnd brks -rr emp	2	2	---	---	---	---
SUBTOTAL.....	8	6	2	---	---	---
<b>FLAGGING, FIXED, HAND AND RADIO SIGNALS</b>						
H204 Fixed signal, failure to comply	8	8	---	---	---	---
H205 Flagging, improper or failure to flag	2	2	---	---	---	---
H212 Radio comm., failure to give/receive	3	3	---	---	---	---
H215 Block signal, failure to comply	2	2	---	---	---	---
H216 Interlocking signal, failure to comply	2	1	1	---	---	---
SUBTOTAL.....	17	16	1	---	---	---
<b>GENERAL SWITCHING RULES</b>						
H302 Cars left foul	1	1	---	---	---	---
H303 Derail, failure to apply or remove	1	1	---	---	---	---
H305 Instruction to trn/yard crew improper	2	2	---	---	---	---
H306 Shoving movement, absence of man	9	8	---	---	1	---
H307 Shoving movement, failure to control	1	1	---	---	---	---
H399 Other general switching rules	1	1	---	---	---	---
SUBTOTAL.....	15	14	---	---	1	---
<b>MAIN TRACK AUTHORITY</b>						
H401 Failure to stop train in clear	2	2	---	---	---	---
H402 Motor car/on-trk rules, fail to comply	4	---	4	---	---	---
H405 Trn orders, trk warrants, radio error	1	1	---	---	---	---
H499 Other main track authority causes	4	4	---	---	---	---
SUBTOTAL.....	11	7	4	---	---	---
<b>TRAIN HANDLING/TRAIN MAKE-UP</b>						
H508 Improper train make-up	1	1	---	---	---	---
H510 Automatic brake, insufficient	3	3	---	---	---	---
SUBTOTAL.....	4	4	---	---	---	---
<b>SPEED</b>						
H601 Coupling speed excessive	1	1	---	---	---	---
H602 Switch movement, excessive speed	1	1	---	---	---	---
H603 Train inside yard limits, excess speed	3	3	---	---	---	---
H699 Speed, other	4	4	---	---	---	---
SUBTOTAL.....	9	9	---	---	---	---
<b>SWITCHES, USE OF</b>						
H702 Switch improperly lined	10	10	---	---	---	---
H704 Switch previously run through	1	1	---	---	---	---
H799 Use of switches, other	4	4	---	---	---	---
SUBTOTAL.....	15	15	---	---	---	---
<b>MISCELLANEOUS</b>						
H999 Other train operation/human factors	5	4	---	1	---	---
SUBTOTAL.....	5	4	---	1	---	---
GRAND TOTAL.....	84	75	7	1	1	---

NOTE: Includes illnesses resulting from accident, if any.  
Contractor employees are included with nontrespassers.

**Table 62. Fatalities In Accidents Resulting From Mechanical And Electrical Failures By Cause, 1992**

Cause	Total Killed	...Employees On Duty... Trainmen Other	...Employees On Duty... Total	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
AXLES AND JOURNAL BEARINGS							
E53C Journal (roller bearing) overheating	1	---	---	---	---	---	1
SUBTOTAL.....	1	---	---	---	---	---	1
GRAND TOTAL.....	1	---	---	---	---	---	1

NOTE: Includes illnesses resulting from accident, if any.  
Contractor employees are included with nontrespassers.

**Table 63. Injuries In Accidents Resulting From Mechanical And Electrical Failures By Cause, 1992**

Cause	Total Injured	...Employees On Duty... Trainmen Other	...Employees On Duty... Total	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
BRAKES							
E01C Hydraulic hose uncoupled or burst	1	1	1	---	---	---	---
E03C Obstructed brake pipe	2	2	2	---	---	---	---
E09C Other brake defects, cars	6	2	4	---	---	---	---
E09L Other brake defects, (LOCOMOTIVE)	2	---	2	---	---	---	---
SUBTOTAL.....	11	5	6	---	---	---	---
BODY							
E29C Other body defects, (CAR)	2	---	---	---	---	2	---
SUBTOTAL.....	2	---	---	---	---	2	---
AXLES AND JOURNAL BEARINGS							
E51L Broke/bent axle btwn wheel seats-loco	1	1	1	---	---	---	---
E53C Journal (roller bearing) overheating	2	---	---	---	---	---	2
SUBTOTAL.....	3	1	1	---	---	---	2
GRAND TOTAL.....	16	6	6	12	---	2	2

NOTE: Includes illnesses resulting from accident, if any.  
Contractor employees are included with nontrespassers.

**Table 64. Fatalities Resulting From Train Accidents Caused By Defects In Track, Roadbed And Structures**

There were no fatalities reported in connection with train accidents caused by defects in track, roadbed and structures.

**Table 65. Injuries In Accidents Resulting From Track, Roadbed, And Structures By Cause, 1992**

Cause	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
<b>ROADBED DEFECTS</b>						
T002 Washout/rain/slide/etc. dmg -track	6	5	---	1	---	---
T099 Other roadbed defects	1	1	---	---	---	---
SUBTOTAL.....	7	6	---	1	---	---
<b>TRACK GEOMETRY DEFECTS</b>						
T109 Track alignment irreg(buckled/sunkink)	20	1	1	18	---	---
T199 Other track geometry defects	2	---	---	---	2	---
SUBTOTAL.....	22	1	1	18	2	---
<b>RAIL AND JOINT BAR DEFECTS</b>						
T202 Broken base of rail	1	1	---	---	---	---
T207 Detail fracture - shelling/head check	1	1	---	---	---	---
T220 Transverse/compound fissure	1	1	---	---	---	---
T221 Vertical split head	1	1	---	---	---	---
SUBTOTAL.....	4	4	---	---	---	---
<b>FROGS, SWITCHES AND TRACK APPLIANCES</b>						
T311 Switch damaged or out of adjustment	2	2	---	---	---	---
T314 Switch point worn or broken	1	1	---	---	---	---
T315 Switch rod worn, bent, broken, etc.	1	1	---	---	---	---
SUBTOTAL.....	4	4	---	---	---	---
<b>GRAND TOTAL.....</b>	<b>37</b>	<b>15</b>	<b>1</b>	<b>16</b>	<b>2</b>	<b>---</b>

NOTE: Includes illnesses resulting from accident, if any.  
Contractor employees are included with nontrespassers.

**Table 66. Fatalities In Train Incidents By Specific Occurrences And Type Of Person, 1992**

Occurrence	Total Killed	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
<b>COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS</b>						
001T Adjusting coupler, equipment moving unexpectedly	2	2	---	---	---	---
009T Other acc/inc while coupling/uncoupling cars or locos - equip moving	3	3	---	---	---	---
SUBTOTAL.....	5	5	---	---	---	---
<b>OPERATING OR ON LOCOMOTIVES</b>						
119T Other accidents/incidents while operating locomotives - eqp moving	1	1	---	---	---	---
SUBTOTAL.....	1	1	---	---	---	---
<b>OPERATING SWITCHES OR DERAILS</b>						
304T Struck by moving on-track equipment	1	1	---	---	---	---
SUBTOTAL.....	1	1	---	---	---	---
<b>CONTACTING FIXED OBJECTS WHILE ON LOCOMOTIVES OR CARS</b>						
402T Persons on side/end of locos/cars contacting fixed objects - eqp mov	1	1	---	---	---	---
SUBTOTAL.....	1	1	---	---	---	---
<b>GETTING ON OR OFF CARS OR LOCOMOTIVES</b>						
507T Falling, slipping, tripping, not elsewhere classified - eqp moving	5	1	---	---	1	3
508T Slipping/falling while boarding/alighting fm passenger eqp (moving)	1	---	---	1	---	---
513T Jumping from equipment - equipment moving	2	1	---	1	---	---
SUBTOTAL.....	8	2	---	2	1	3
<b>COLLISIONS, DERAILMENTS, ETC.(\$DMG BELOW THRESHOLD)</b>						
603T Casualty resulting fm oth than Rail Equip A/I(not at rail-hwy X-ing)	12	---	---	---	---	12
SUBTOTAL.....	12	---	---	---	---	12
<b>RAIL-HIGHWAY CROSSING ACCIDENTS/INCIDENTS</b>						
609T Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp mov	507	---	---	---	408	99
610T Casualty at private rail-hwy X-ing (Not rptd on form 6180-54)-eqp mov	40	---	1	1	36	3
SUBTOTAL.....	547	---	1	1	444	102
<b>STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT HWY-RAIL X-INGS)</b>						
701T Standing, walking or running on or along track - equipment moving	200	1	1	2	---	193
702T Crossing track at private rail-highway crossing - equipment moving	3	---	---	---	---	3
703T Crossing track not at a crossing - equipment moving	42	---	---	---	---	41
705T On bridges or trestles - equipment moving	23	---	---	---	---	23
706T Sitting or lying on track or near track, not in clear - eqp moving	161	---	---	---	---	157
707T While working on or along track - equipment moving	5	1	2	3	---	1
708T Passing over, through, or under cars - equipment moving	11	---	---	---	---	11
709T Struck by or ran into loco/car (not at hwy x-ing), misc-eqp mov	38	---	---	---	---	37
SUBTOTAL.....	483	2	3	5	---	466

**Table 66. Fatalities In Train Incidents By Specific Occurrences And Type Of Person, 1992**

Occurrence	Total Killed	...Employees On Duty...	Trainmen	Other	Total	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
MAINTENANCE OF WAY AND STRUCTURES									
853T Striking or being struck by eqp, structures, or material-eqp mov	2	---	2		2	---	---	---	---
SUBTOTAL.....	2	---	2		2	---	---	---	---
FREIGHT, BAGGAGE, EXPRESS OR MAIL									
902T Struck or caught by shifted lading-eqp moving	3	---	---	---	---	---	---	---	3
SUBTOTAL.....	3	---	---	---	---	---	---	---	3
STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED									
934T Slip/fall, etc. between loco/car and other cars and struct-eqp mov	1	---	---	---	---	---	1	---	---
935T From bridges of trestles-equipment moving	1	---	---	---	---	---	---	---	1
938T While on locomotive or car-equipment moving	1	---	---	---	---	---	---	---	1
939T Other, stumbling, slipping, falling, caught, etc. - equipment moving	4	---	---	---	---	---	---	---	4
SUBTOTAL.....	7	---	---	---	---	---	1	---	6
OPERATION OF ON-TRACK WORK EQUIPMENT									
951T Collision with other on-track work equipment	2	---	2		2	---	---	---	---
SUBTOTAL.....	2	---	2		2	---	---	---	---
OTHER OCCURRENCES									
972T Sudden movement of car, not otherwise classified	1	---	---	---	---	---	---	---	1
989T Other accidents/incidents-equipment moving	22	---	---	---	---	---	---	1	21
SUBTOTAL.....	23	---	---	---	---	---	---	1	22
GRAND TOTAL.....	1,095		12	8	20	---	3	458	614

NOTE: Contractor employees are included with nontrespassers

Table 67. Injuries In Train Incidents By Specific Occurrences And Type Of Person, 1992

Occurrence	Total Injured	...Employees On Duty...	Trainmen	Other	Total	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS									
001T Adjusting coupler, equipment moving unexpectedly	15	15	---	---	15	---	---	---	---
002T Adjusting coupler - equipment moving	10	9	1	---	10	---	---	---	---
005T Use of uncoupling lever - equipment moving	55	55	---	---	55	---	---	---	---
006T Use of uncoupling lever - equipment moving unexpectedly	2	2	---	---	2	---	---	---	---
007T Striking parts of body against equipment - equipment moving	17	16	1	---	17	---	---	---	---
008T Stumbled,slipped,fell,etc. on foreign obj/irreg surface-eqp moving	31	31	---	---	31	---	---	---	---
009T Other acc/inc while coupling/uncoupling cars or locos - equip moving	31	31	---	---	31	---	---	---	---
SUBTOTAL.....	161	159	2	---	161	---	---	---	---
COUPLING/UNCOUPLING AIR OR STEAM HOSE, SAFETY CHAINS ETC.									
052T Uncoupl air hose,struck by hose due to sudden release of air-eqp mov	4	3	1	---	4	---	---	---	---
053T Coupling air hose,stk by hose due to sudden release of air - eqp mov	1	1	---	---	1	---	---	---	---
054T Stumbled,slipped,fell, or stepped on foreign obj, etc., eqp moving	1	1	---	---	1	---	---	---	---
055T Defective equipment - equipment moving	1	1	---	---	1	---	---	---	---
056T Burned by hot water or steam from hose - equipment moving	1	1	---	---	1	---	---	---	---
057T Opening or closing angle cocks - equipment moving	1	1	---	---	1	---	---	---	---
059T Oth A/I while coupl/uncoupl air/steam hose or turn angl cock-eqp mov	18	17	1	---	18	---	---	---	---
SUBTOTAL.....	27	25	2	---	27	---	---	---	---
OPERATING OR ON LOCOMOTIVES									
101T Burn or electrical shock - equipment moving	4	4	---	---	4	---	---	---	---
102T Striking parts of body against equipment, moving about loco-eqp mov	27	27	---	---	27	---	---	---	---
103T Struck by tools or other objects falling - equipment moving	11	11	---	---	11	---	---	---	---
104T Stumbled, slipped, fell, stepped on foreign obj, etc., - eqp moving	27	27	---	---	27	---	---	---	---
105T Checking, oiling, servicing locomotive, etc. - equipment moving	1	1	---	---	1	---	---	---	---
106T Unexpected movement of locomotive, other than slack action	74	73	1	---	74	---	---	---	---
107T Slack action in locomotive	71	70	1	---	71	---	---	---	---
108T Striking parts of body against equipment due to sudden stop of loco	53	51	2	---	53	---	---	---	---
109T Inhalation of or contact with fumes or gases - equipment moving	48	47	---	---	47	1	---	---	---
110T Defective locomotive seat - equipment moving	44	44	---	---	44	---	---	---	---
111T Adjusting locomotive seat - equipment moving	4	4	---	---	4	---	---	---	---
112T Foreign object in eye - equipment moving	103	101	2	---	103	---	---	---	---
119T Other accidents/incidents while operating locomotives - eqp moving	95	93	1	---	94	1	---	---	---
SUBTOTAL.....	562	553	7	---	560	2	---	---	---
OPERATING RAIL MOTORCARS									
151T Striking parts of body against equipment - equipment moving	2	1	1	---	2	---	---	---	---
152T Struck by tools or other objects falling - equipment moving	2	1	1	---	2	---	---	---	---
154T Unexpected movement of rail motorcar	1	1	---	---	1	---	---	---	---
159T Other accidents/incidents while operating rail motorcars - eqp mov	9	5	3	---	8	---	---	1	---
SUBTOTAL.....	14	8	5	---	13	---	---	1	---

Table 67. Injuries In Train Incidents By Specific Occurrences And Type Of Person, 1992

Occurrence	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
<b>OPERATING HAND BRAKES</b>						
200T Manipulating hand brakes, no defects, equipment moving	16	16	---	16	---	---
201T Defective equipment - equipment moving	3	3	---	3	---	---
203T Striking body due to movement of equipment	7	6	1	7	---	---
204T Losing hold, slipping or falling due to coupling impact	2	2	---	2	---	---
205T Caught between parts of equipment or lading - equipment moving	6	6	---	6	---	---
206T Brake chains or bolts, breaking or giving way - equipment moving	2	2	---	2	---	---
207T Losing hold, slipping, or falling - equipment moving	5	5	---	5	---	---
208T Caught hand or fingers in spinning brake wheel - equipment moving	2	2	---	2	---	---
209T Other accidents/incidents while operating hand brakes - eqp moving	8	7	1	8	---	---
SUBTOTAL.....	51	49	2	51	---	---
<b>OPERATING SWITCHES OR DERAILS</b>						
304T Struck by moving on-track equipment	3	3	---	3	---	---
309T Other acc/inc while operating switches/derails - equipment moving	11	10	1	11	---	---
SUBTOTAL.....	14	13	1	14	---	---
<b>CONTACTING FIXED OBJECTS WHILE ON LOCOMOTIVES OR CARS</b>						
401T Persons on top locos/cars contacting fixed objects - equipment mov	3	2	1	3	---	---
402T Persons on side/end of locos/cars contacting fixed objects - eqp mov	29	28	1	29	---	---
409T Persons on loco/car coming in contact with fixed obj(other)-eqp mov	18	12	5	17	---	1
SUBTOTAL.....	50	42	7	49	---	1
<b>GETTING ON OR OFF CARS OR LOCOMOTIVES</b>						
501T Slip/fell due to lost/missed hold of grabiron,handhold,etc.-eqp mov	28	25	1	26	1	1
502T Slip/fell due to losing/missing footing on step,stirrup,etc.-eqp mov	54	47	4	51	2	1
503T Stepping or tripping on parts of track in place - equipment moving	15	15	---	15	---	---
504T Stepping or tripping on foreign material or irreg surface - eqp mov	73	73	---	73	---	---
505T Slipping on ice or snow on ground - equipment moving	2	2	---	2	---	---
506T Slipping on ice/snow on cars or locomotives - equipment moving	6	6	---	6	---	---
507T Falling, slipping, tripping, not elsewhere classified - eqp moving	43	29	2	31	---	12
508T Slipping/falling while boarding/alighting fm passenger eqp (moving)	9	---	1	1	8	---
510T Striking body or falling due to sudden movement of equipment	16	13	2	15	1	---
511T Strike/struck by eqp/structures(not bridge/trestle), or mat -eqp mov	13	13	---	13	---	---
513T Jumping from equipment - equipment moving	77	48	1	49	18	9
514T Defective equipment - equipment moving	11	11	---	11	---	---
519T Other acc/inc while getting on or off cars or locos - equipment mov	100	88	1	89	1	10
SUBTOTAL.....	447	370	12	382	30	33

Table 67. Injuries In Train Incidents By Specific Occurrences And Type Of Person, 1992

Occurrence	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
COLLISIONS, DERAILMENTS, ETC. (\$DMG BELOW THRESHOLD)						
601T Casualty resulting fm a collision which did not satisfy \$ threshold	32	27	4	31	---	---
602T Casualty resulting fm a derailment which did not satisfy \$ threshold	37	33	4	37	---	---
603T Casualty resulting fm oth than Rail Equip A/I(not at rail-hwy X-ing)	27	15	2	17	---	1
SUBTOTAL.....	96	75	10	85	---	2
RAIL-HIGHWAY CROSSING ACCIDENTS/INCIDENTS						
609T Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp mov	1,589	67	7	74	---	1,304
610T Casualty at private rail-hwy X-ing (Not rptd on form 6180-54)-eqp mov	130	9	2	11	---	116
SUBTOTAL.....	1,719	76	9	85	---	1,420
STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT HWY-RAIL X-INGS)						
701T Standing, walking or running on or along track - equipment moving	154	8	3	11	---	8
702T Crossing track at private rail-highway crossing - equipment moving	8	1	1	2	---	2
703T Crossing track not at a crossing - equipment moving	43	---	---	---	---	1
704T While on public thoroughfare - equipment moving	10	---	---	---	---	10
705T On bridges or trestles - equipment moving	15	---	1	1	---	14
706T Sitting or lying on track or near track, not in clear - eqp moving	91	1	---	1	---	1
707T While working on or along track - equipment moving	13	8	4	12	---	1
708T Passing over, through, or under cars - equipment moving	44	---	---	---	---	1
709T Struck by or ran into loco/car (not at hwy x-ing), misc-eqp mov	49	3	1	4	---	4
SUBTOTAL.....	427	21	10	31	---	18
SERVICING OR MAINTENANCE OF EQUIPMENT						
803T Striking or being struck by eqp, structures, or material-eqp mov	29	1	28	29	---	---
815T Moving equipment for repairs	22	---	22	22	---	---
825T Other acc/inc while servicing or maintaining eqp-eqp moving	15	1	14	15	---	---
SUBTOTAL.....	66	2	64	66	---	---
MAINTENANCE OF WAY AND STRUCTURES						
852T Crossing over, under, or between locos or cars-eqp moving	1	---	---	---	1	---
853T Striking or being struck by eqp, structures, or material-eqp mov	38	1	35	36	---	2
899T Other accs/incs while maintaining way and structures - eqp moving	22	---	22	22	---	---
SUBTOTAL.....	61	1	57	58	1	2
FREIGHT, BAGGAGE, EXPRESS OR MAIL						
901T Handling freight, baggage, express or mail-eqp moving	8	2	6	8	---	---
902T Struck or caught by shifted lading-eqp moving	2	---	---	---	---	---
904T Other acc/inc involving freight, baggage, express, or mail - eqp mov	4	3	---	3	---	1
SUBTOTAL.....	14	5	6	11	---	1

Table 67. Injuries In Train Incidents By Specific Occurrences And Type Of Person, 1992

Occurrence	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
<b>WINDOWS, DOORS, ETC., ON ON-TRACK EQUIPMENT</b>						
907T Opening/closing hopper or gondola hatches, end or bottom doors, eqp moving	4	---	4	4	---	---
909T Clo/opn frt/bag car doors, exc plug type car doors, no def-eqp mov	2	1	1	2	---	---
910T Closing or opening plug type car doors, defective equipment-eqp mov	1	---	1	1	---	---
912T Closing or opening coach trap doors-equipment moving	7	2	4	6	1	---
913T Interior doors-equipment moving	14	6	2	8	6	---
914T Opening or closing locomotive doors-equipment moving	10	9	1	10	---	---
915T Opening or closing locomotive windows-equipment moving	2	2	---	2	---	---
916T Opening or closing caboose doors-equipment moving	2	2	---	2	---	---
917T Opening or closing caboose windows-equipment moving	1	1	---	1	---	---
918T Opening and closing other windows-equipment moving	4	2	---	2	2	---
919T Other accidents/incidents involving windows or doors-eqp mov	23	17	3	20	3	---
SUBTOTAL.....	70	42	16	58	12	---
<b>PASSENGER CAR DOORS</b>						
920T Caught by side doors while entering coach-equipment moving	1	---	1	1	---	---
923T Dragged by train while caught in side doors, exiting coach	1	---	1	1	---	---
926T Striking side door while entering coach-equipment moving	1	---	1	1	---	---
SUBTOTAL.....	3	---	3	3	---	---
<b>STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED</b>						
930T Stumbling/slipping, etc. on snow or ice - equipment moving	5	3	1	4	1	---
931T Stumbling/slipping, etc. on foreign mat./irregular surface-eqp mov	30	22	5	27	1	2
932T Stumbling/slipping, etc. on parts of track in place-equipment moving	7	6	---	6	---	1
934T Slip/fall, etc. between loco/car and other cars and struct-eqp mov	8	3	---	3	2	1
935T From bridges of trestles-equipment moving	6	---	---	---	---	6
937T Into depressions - equipment moving	7	4	3	7	---	---
938T While on locomotive or car-equipment moving	86	33	21	54	24	2
939T Other, stumbling, slipping, falling, caught, etc. - equipment moving	31	3	2	5	6	5
SUBTOTAL.....	180	74	32	106	33	8
<b>FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.</b>						
940T Foreign object in eye-equipment moving	60	51	8	59	1	---
941T Struck by flying or falling object (except assaults)-eqp mov	34	18	8	26	1	6
942T Electrical flash, shock, or burn-equipment moving	3	1	---	1	---	2
943T Fire or explosion of fusees or torpedoes-equipment moving	1	1	---	1	---	---
944T Other fire or explosion-equipment moving	2	1	---	1	---	1
945T Burned by hot or corrosive substances-equipment moving	17	10	6	16	---	1
946T Inhalation of or contact with fumes or gases-equipment moving	21	9	7	16	5	---
949T Other A/I resulting from flying/falling objs, burns, etc. - eqp mov	2	2	---	2	---	---
SUBTOTAL.....	140	93	29	122	5	8

**Table 67. Injuries In Train Incidents By Specific Occurrences And Type Of Person, 1992**

Occurrence	Total Injured	...Employees On Duty...	Trainmen Other	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
<b>OPERATION OF ON-TRACK WORK EQUIPMENT</b>							
950T Collision with train or car	2	1	1	2	---	---	---
951T Collision with other on-track work equipment	19	---	19	19	---	---	---
952T Jumping from equipment in anticipation of a collision	4	3	1	4	---	---	---
953T Derailment that does not satisfy monetary threshold	12	2	10	12	---	---	---
954T Getting on/off on-track work equipment - equipment moving	5	1	3	4	---	1	---
959T Other A/I involving on-track work equipment - equipment moving	23	---	21	21	---	1	1
SUBTOTAL.....	65	7	55	62	---	2	1
<b>ASSAULT</b>							
96AT Shot while on moving on-track equipment	2	2	---	2	---	---	---
96CT Struck by other propelled object while on locomotive - equip moving	25	24	1	25	---	---	---
96DT Struck by other propelled object while on car - equip moving	5	3	---	3	2	---	---
96ET Struck by other propelled object while on caboose - equip moving	2	2	---	2	---	---	---
96GT Other unprovoked assaults to persons on moving on-track equipment	15	11	2	13	1	---	1
SUBTOTAL.....	49	42	3	45	3	---	1
<b>OTHER OCCURRENCES</b>							
970T Performing rerailing or other clearing operations-equipment moving	3	1	2	3	---	---	---
971T Loco or car coming against car placed for loading or unloading	3	---	1	1	---	2	---
972T Sudden movement of car, not otherwise classified	27	11	7	18	1	6	1
974T Slack action in caboose	17	17	---	17	---	---	---
975T Slack action, other	38	36	1	37	---	---	1
976T Emergency or severe application of air brakes due to def eqp	3	1	2	3	---	---	---
977T Emergency or severe application of air brakes not due to def eqp	10	4	3	7	3	---	---
986T Unexpected move of caboose, not slack action (include emergency & severe braking)	2	2	---	2	---	---	---
987T Caboose fire, equipment moving	1	1	---	1	---	---	---
988T Other accidents/incidents while in caboose, equipment moving	10	8	2	10	---	---	---
989T Other accidents/incidents-equipment moving	123	45	29	74	5	18	12
SUBTOTAL.....	237	126	47	173	6	27	15
<b>GRAND TOTAL.....</b>	<b>4,453</b>	<b>1,783</b>	<b>379</b>	<b>2,162</b>	<b>17</b>	<b>107</b>	<b>1,479</b>

NOTE: Contractor employees are included with nontrespassers

**Table 68. Illnesses In Train Incidents By Specific Occurrences And Type Of Person, 1992**

Occurrence	Total Illness	...Employees On Duty...	Trainmen	Other	Total	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
<b>COUPLING/UNCOUPLING AIR OR STEAM HOSE, SAFETY CHAINS ETC.</b>									
059T Oth A/I while coupl/uncoupl air/steam hose or turn angl cock-eqp mov	1	1	---	---	1	---	---	---	---
SUBTOTAL.....	1	1	---	---	1	---	---	---	---
<b>OPERATING OR ON LOCOMOTIVES</b>									
103T Struck by tools or other objects falling - equipment moving	1	1	---	---	1	---	---	---	---
109T Inhalation of or contact with fumes or gases - equipment moving	25	25	---	---	25	---	---	---	---
119T Other accidents/incidents while operating locomotives - eqp moving	16	16	---	---	16	---	---	---	---
SUBTOTAL.....	42	42	---	---	42	---	---	---	---
<b>CONTACTING FIXED OBJECTS WHILE ON LOCOMOTIVES OR CARS</b>									
409T Persons on loco/car coming in contact with fixed obj(other)-eqp mov	1	1	---	---	1	---	---	---	---
SUBTOTAL.....	1	1	---	---	1	---	---	---	---
<b>RAIL-HIGHWAY CROSSING ACCIDENTS/INCIDENTS</b>									
609T Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp mov	6	6	---	---	6	---	---	---	---
610T Casualty at private rail-hwy X-ing (Not rptd on form 6180-54)-eqp mov	1	1	---	---	1	---	---	---	---
SUBTOTAL.....	7	7	---	---	7	---	---	---	---
<b>STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT HWY-RAIL X-INGS)</b>									
701T Standing, walking or running on or along track - equipment moving	5	5	---	---	5	---	---	---	---
SUBTOTAL.....	5	5	---	---	5	---	---	---	---
<b>FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.</b>									
946T Inhalation of or contact with fumes or gases-equipment moving	5	5	---	---	5	---	---	---	---
SUBTOTAL.....	5	5	---	---	5	---	---	---	---
<b>OPERATION OF ON-TRACK WORK EQUIPMENT</b>									
951T Collision with other on-track work equipment	2	---	---	2	2	---	---	---	---
959T Other A/I involving on-track work equipment - equipment moving	2	---	---	2	2	---	---	---	---
SUBTOTAL.....	4	---	---	4	4	---	---	---	---
<b>ASSAULT</b>									
966T Other unprovoked assaults to persons on moving on-track equipment	1	1	---	---	1	---	---	---	---
SUBTOTAL.....	1	1	---	---	1	---	---	---	---
<b>OTHER OCCURRENCES</b>									
988T Other accidents/incidents while in caboose, equipment moving	3	3	---	---	3	---	---	---	---
989T Other accidents/incidents-equipment moving	3	3	---	---	3	---	---	---	---
SUBTOTAL.....	6	6	---	---	6	---	---	---	---
GRAND TOTAL.....	72	68	4	---	72	---	---	---	---

NOTE: Contractor employees are included with nontrespassers

**Table 69. Fatalities In Nontrain Incidents By Specific Occurrences And Type Of Person, 1992**

Occurrence	Total Killed	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
<b>COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS</b>						
002 Adjusting coupler - equipment standing	1	1	---	---	---	---
SUBTOTAL.....	1	1	---	---	---	---
<b>COUPLING/UNCOUPLING AIR OR STEAM HOSE, SAFETY CHAINS ETC.</b>						
059 Oth A/I while coupl/uncoupl air/steam hose or turn angl cock-eqp std	1	1	---	---	---	---
SUBTOTAL.....	1	1	---	---	---	---
<b>OPERATING HAND BRAKES</b>						
207 Losing hold, slipping, or falling - equipment standing	1	1	---	---	---	---
SUBTOTAL.....	1	1	---	---	---	---
<b>RAIL-HIGHWAY CROSSING ACCIDENTS/INCIDENTS</b>						
609 Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp std	3	---	---	---	---	3
SUBTOTAL.....	3	---	---	---	---	3
<b>STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT HWY-RAIL X-INGS)</b>						
701 Standing, walking or running on or along track - equipment standing	1	---	---	---	---	1
708 Passing over, through, or under cars - equipment standing	1	---	---	---	---	1
709 Struck by or ran into loco/car (not at hwy x-ing), misc-eqp std	3	---	---	---	---	3
SUBTOTAL.....	5	---	---	---	---	5
<b>SERVICING OR MAINTENANCE OF EQUIPMENT</b>						
803 Striking or being struck by eqp, structures, or material-eqp std	1	---	1	---	---	---
SUBTOTAL.....	1	---	1	---	---	---
<b>MAINTENANCE OF WAY AND STRUCTURES</b>						
872 Other fire or explosion	1	---	---	---	1	---
SUBTOTAL.....	1	---	---	---	1	---
<b>FREIGHT, BAGGAGE, EXPRESS OR MAIL</b>						
902 Struck or caught by shifted lading	1	---	---	---	---	1
SUBTOTAL.....	1	---	---	---	---	1
<b>WINDOWS, DOORS, ETC., ON ON-TRACK EQUIPMENT</b>						
910 Closing or opening plug type car doors, defective equipment-eqp std	1	---	1	1	---	---
SUBTOTAL.....	1	---	1	1	---	---
<b>STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED</b>						
932 Stumbling/slipping, etc. on parts of track in place	1	---	---	---	---	1
935 From bridges or trestles	1	---	1	1	---	---
939 Other, stumbling, slipping, falling, caught, etc.	1	1	---	1	---	---
SUBTOTAL.....	3	1	1	2	---	1
<b>FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.</b>						
941 Struck by flying of falling object (except assaults)	2	---	---	---	---	2
947 Electrical injury due to contact with catenary, pantograph or 3rd rail	4	---	---	---	---	4
SUBTOTAL.....	6	---	---	---	---	2
<b>ASSAULT</b>						
96G All other unprovoked assaults	1	---	---	---	---	1
96M All other assaults not involving moving on-track equipment	1	---	---	---	---	1
SUBTOTAL.....	2	---	---	---	---	1
<b>OTHER OCCURRENCES</b>						
978 Motor vehicle acc/inc (other than rail-highway grade crossing)	8	---	1	1	---	3
989 Other accidents/incidents	6	---	1	1	---	1
SUBTOTAL.....	14	---	2	2	---	4
GRAND TOTAL.....	40	4	5	9	1	7

NOTE: Contractor employees are included with nontrespassers

Table 70. Injuries In Nontrain Incidents By Specific Occurrences And Type Of Person, 1992

Occurrence	Total Injured	...Employees On Duty... Trainmen	Other	Duty... Total	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS								
002 Adjusting coupler - equipment standing	149	145	4	149	---	---	---	---
003 Crossing over, under or between on-track equipment, equipment standing	4	3	1	4	---	---	---	---
004 Adjusting coupler, part of coupler fell striking person-eqp standing	21	21	---	21	---	---	---	---
005 Use of uncoupling lever - equipment standing	63	59	4	63	---	---	---	---
007 Striking parts of body against equipment - equipment standing	31	25	5	30	1	---	---	---
008 Stumbled,slipped,fell,stepped on foreign obj/irreg surface-eqp std	80	76	4	80	---	---	---	---
009 Other acc/inc while couplg/uncoupling cars or locos - equip std	60	54	6	60	---	---	---	---
SUBTOTAL.....	408	383	24	407	1	---	---	---
COUPLING/UNCOUPLING AIR OR STEAM HOSE, SAFETY CHAINS ETC.								
051 Crossing over, under or between on-track equipment, equipment standing	3	2	1	3	---	---	---	---
052 Uncoupl air hose, struck by hose due to sudden release of air-eqp std	22	19	3	22	---	---	---	---
053 Coupling air hose,stk by hose due to sudden release of air - eqp std	11	9	2	11	---	---	---	---
054 Stumbled,slipped,fell, or stepped on foreign obj, etc., eqp standing	29	26	3	29	---	---	---	---
055 Defective equipment - equipment standing	8	8	---	8	---	---	---	---
056 Burned by hot water or steam from hose - equipment standing	1	---	1	1	---	---	---	---
057 Opening or closing angle cocks - equipment standing	37	31	6	37	---	---	---	---
059 Oth A/I while coupl/uncoupl air/steam hose or turn angl cock-eqp std	94	78	16	94	---	---	---	---
SUBTOTAL.....	205	173	32	205	---	---	---	---
OPERATING OR ON LOCOMOTIVES								
101 Burn or electrical shock - equipment standing	7	6	1	7	---	---	---	---
102 Striking parts of body against equipment, moving about loco-eqp std	52	45	7	52	---	---	---	---
103 Struck by tools or other objects falling - equipment standing	9	7	2	9	---	---	---	---
104 Stumbled, slipped, fell, stepped on foreign obj, etc., - eqp std	126	116	10	126	---	---	---	---
105 Checking, oiling, servicing locomotive, etc. - equipment standing	28	19	8	27	1	---	---	---
109 Inhalation of or contact with fumes or gases - equipment standing	25	22	2	24	---	---	---	1
110 Defective locomotive seat - equipment standing	20	20	---	20	---	---	---	---
111 Adjusting locomotive seat - equipment standing	48	45	3	48	---	---	---	---
112 Foreign object in eye - equipment standing	54	48	6	54	---	---	---	---
119 Other accidents/incidents while operating locomotives - eqp standing	99	93	6	99	---	---	---	---
SUBTOTAL.....	468	421	45	466	1	---	---	1
OPERATING RAIL MOTORCARS								
151 Striking parts of body against equipment - equipment standing	3	3	---	3	---	---	---	---
152 Struck by tools or other objects falling - equipment standing	3	1	1	2	1	---	---	---
153 Stumbled, slipped, fell or stepped on foreign obj, etc., - eqp std	2	1	1	2	---	---	---	---
155 Placing or removing rail motorcar on or off rail	4	---	4	4	---	---	---	---
159 Other accidents/incidents while operating rail motorcars - eqp std	9	9	---	9	---	---	---	---
SUBTOTAL.....	21	14	6	20	1	---	---	---

Table 70. Injuries In Nontrain Incidents By Specific Occurrences And Type Of Person, 1992

Occurrence	Total Injured	...Employees On Duty... Trainmen	Other	Emp Not On Duty Total	Passengers	Nontrespassers	Trespassers
<b>OPERATING HAND BRAKES</b>							
200 Manipulating hand brakes, no defects, equipment standing	194	187	7	194	---	---	---
201 Defective equipment - equipment standing	39	36	3	39	---	---	---
202 Pawl slipping or accidentally knocked out of ratchet - eqp standing	5	5	---	5	---	---	---
203 Striking body not due to movement of equipment	3	3	---	3	---	---	---
205 Caught between parts of equipment or lading - equipment standing	1	1	---	1	---	---	---
206 Brake chains or bolts, breaking or giving way - equipment standing	12	11	1	12	---	---	---
207 Losing hold, slipping, or falling - equipment standing	46	42	4	46	---	---	---
208 Caught hand or fingers in spinning brake wheel - equipment standing	10	8	2	10	---	---	---
209 Other accidents/incidents while operating hand brakes - eqp standing	59	55	4	59	---	---	---
SUBTOTAL.....	369	348	21	369	---	---	---
<b>OPERATING SWITCHES OR DERAILS</b>							
301 Slipped, tripped or fell due to ice or snow	34	31	3	34	---	---	---
302 Slipped, tripped or fell not due to ice or snow	25	24	1	25	---	---	---
303 Parts of body struck or caught by mechanism of switch	33	28	5	33	---	---	---
305 Lining switches, defective equipment	145	132	13	145	---	---	---
306 Lining switches, no defects	452	421	31	452	---	---	---
307 Manipulating derail, no defects	31	25	6	31	---	---	---
308 Manipulating derail, defective equipment	3	3	---	3	---	---	---
309 Other acc/inc while operating switches/derails - equipment standing	125	113	12	125	---	---	---
SUBTOTAL.....	848	777	71	848	---	---	---
<b>CONTACTING FIXED OBJECTS WHILE ON LOCOMOTIVES OR CARS</b>							
402 Persons on side/end of locos/cars contacting fixed objects - eqp std	2	2	---	2	---	---	---
409 Persons on loco/car coming in contact with fixed obj(others)-eqp std	9	2	7	9	---	---	---
SUBTOTAL.....	11	4	7	11	---	---	---
<b>GETTING ON OR OFF CARS OR LOCOMOTIVES</b>							
501 Slip/fell due to lost/missed hold of grabiron, handhold, etc. - eqp std	51	36	14	50	---	1	---
502 Slip/fell due to losing/missing footing on step, stirrup, etc. - eqp std	149	119	19	138	1	10	---
503 Stepping or tripping on parts of track in place - equipment standing	27	24	2	26	1	---	---
504 Stepping or tripping on foreign material or irreg surface - eqp std	173	151	16	167	2	4	---
505 Slipping on ice or snow on ground - equipment standing	20	16	2	18	---	1	1
506 Slipping on ice/snow on cars or locomotives - equipment standing	17	12	2	14	---	2	1
507 Falling, slipping, tripping, not elsewhere classified - eqp std	88	64	19	83	---	3	1
508 Slipping/falling while boarding/alighting fm passenger eqp(standing)	81	13	14	27	3	51	---
511 Strike/struck by eqp/structures(not bridge/trestle), or mat - eqp std	32	21	4	25	---	7	---
513 Jumping from equipment - equipment standing	4	2	1	3	---	---	1
514 Defective equipment - equipment standing	17	14	2	16	---	1	---
519 Other acc/inc while getting on or off cars or locos - equipment std	207	168	35	203	---	4	---
SUBTOTAL.....	866	640	130	770	7	83	4

Table 70. Injuries In NonTrain Incidents By Specific Occurrences And Type Of Person, 1992

Occurrence	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
<b>RAIL-HIGHWAY CROSSING ACCIDENTS/INCIDENTS</b>						
609 Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp std	33	---	---	---	---	31 2
610 Casualty at private rail-hwy X-ing (Not rptd on form 6180-54)-eqp std	1	---	---	---	---	1 ---
SUBTOTAL.....	34	---	---	---	---	32 2
<b>STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT HWY-RAIL X-INGS)</b>						
701 Standing, walking or running on or along track - equipment standing	4	---	---	---	---	3 1
703 Crossing track not at a crossing - equipment standing	6	---	---	---	---	3 3
708 Passing over, through, or under cars - equipment standing	3	---	---	---	---	---
709 Struck by or ran into loco/car (not at hwy x-ing), misc-eqp std	4	1	---	1	---	1 2
SUBTOTAL.....	17	1	---	1	---	7 9
<b>SERVICING OR MAINTENANCE OF EQUIPMENT</b>						
802 Crossing over, under, or between locos or cars - equipment standing	28	1	27	28	---	---
803 Striking or being struck by eqp, structures, or material-eqp std	281	9	271	280	---	1
804 Use of hand tools	295	4	291	295	---	---
805 Use of portable power tools	78	1	77	78	---	---
806 Use of welding equipment	42	---	41	41	---	1
807 Use of oxygen-acetylene, natural gas cutting equipment	27	---	27	27	---	---
808 Use of grinding equipment	35	---	34	34	---	1
809 Use of scaffolds, ladders, etc.	29	---	29	29	---	---
81A Lifting parts to install while making repairs	110	6	103	109	---	1
810 Use of cranes, hoists, derricks, piledrivers, etc.	40	---	40	40	---	---
811 Use of lift trucks and other portable material handling eqp	61	---	61	61	---	---
812 Use of shop machinery not elsewhere classified	47	---	47	47	---	---
813 Loading and unloading materials	106	3	102	105	1	---
814 Handling material by hand	486	7	478	485	---	1
816 Inhalation of or contact with fumes or gases	21	2	19	21	---	---
817 Foreign object in eye, using eye protection	173	22	150	172	1	---
818 Foreign object in eye, not using eye protection	66	7	54	61	4	1
819 Struck by flying or falling object	139	3	135	138	---	1
820 Electrical flash, shock, or burn	39	---	39	39	---	---
821 Fire or explosion of fuses or torpedoes	3	1	2	3	---	---
822 Other fire or explosion	8	---	8	8	---	---
823 Burned or irritated by hot, corrosive, or toxic substances	46	1	45	46	---	---
824 Stumbling, slipping, falling, caught, not elsewhere classified	549	8	530	538	11	---
825 Other acc/inc while servicing or maintaining eqp-eqp std	618	17	596	613	2	3
SUBTOTAL.....	3,327	92	3,206	3,298	19	10

Table 70. Injuries In NonTrain Incidents By Specific Occurrences And Type Of Person, 1992

Occurrence	Total Injured	...Employees On Duty...	Trainmen Other	Total	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
<b>MAINTENANCE OF WAY AND STRUCTURES</b>								
852 Crossing over, under, or between locos or cars-eqp std	1	---	1	1	---	---	---	---
853 Striking or being struck by eqp, structures, or material-eqp std	238	1	228	229	2	---	7	---
854 Use of hand tools	525	3	519	522	---	---	3	---
855 Use of portable power tools	180	---	178	178	---	---	2	---
856 Use of welding equipment	42	---	42	42	---	---	---	---
857 Use of oxygen-acetylene, natural gas cutting equipment	12	---	12	12	---	---	---	---
858 Use of grinding equipment	50	---	50	50	---	---	---	---
859 Use of scaffolds, ladders, etc.	23	---	23	23	---	---	---	---
860 Use of cranes, hoists, derricks, piledrivers, etc.	52	---	50	50	---	---	2	---
861 Use of lift trucks and other portable material handling eqp	32	---	32	32	---	---	---	---
862 Use of shop machinery not elsewhere classified	24	---	24	24	---	---	---	---
863 Loading and unloading materials	367	---	365	365	---	---	2	---
864 Handling material by hand	435	4	427	431	---	---	4	---
866 Inhalation of or contact with fumes or gases	7	---	7	7	---	---	---	---
867 Foreign object in eye, using eye protection	111	---	110	110	---	---	1	---
868 Foreign object in eye, not using eye protection	51	---	49	49	2	---	---	---
869 Struck by flying of falling object	220	---	216	216	2	---	2	---
870 Electrical flash, shock, or burn	23	1	21	22	---	---	1	---
871 Fire or explosion of fuses or torpedoes	2	---	2	2	---	---	---	---
872 Other fire or explosion	8	---	7	7	1	---	---	---
873 Burned or irritated by hot, corrosive or toxic substances	23	---	22	22	1	---	---	---
874 Stumbling, slipping, falling, caught, not elsewhere classified	571	3	544	547	18	---	6	---
875 Use of maintenance of way equipment not elsewhere classified	87	2	85	87	---	---	---	---
876 Inserting or removing ties, switch timbers and tie plates by use of hand tools	155	---	152	152	---	---	3	---
877 Insert/remove ties, switch timbers and tie plates using portable power tools	51	---	51	51	---	---	---	---
878 Loading/unloading ties, switch timbers, tie plates and fastenings	90	---	86	86	---	---	4	---
879 Handling rail by use of power tools	14	---	14	14	---	---	---	---
880 Handling rail by use of hand tools	58	---	57	57	---	---	1	---
890 Handling/inserting/removing rail anchors (includes being struck by anchors)	61	---	61	61	---	---	---	---
891 Handling/inserting/removing track spikes (includes being struck by flying spike)	258	---	254	254	---	---	4	---
892 Working on or about sgnl or comm. poles, sgnl masts,sgnl cantilevers or catenary	98	1	94	95	---	---	3	---
893 Servicing or repairing MOW equipment at work site	99	---	99	99	---	---	---	---
899 Other accs/incs while maintaining way and structures - eqp standing	395	2	388	390	3	---	2	---
SUBTOTAL.....	4,363	17	4,270	4,287	29	---	47	---
<b>FREIGHT, BAGGAGE, EXPRESS OR MAIL</b>								
901 Handling freight, baggage, express or mail	48	10	38	48	---	---	---	---
902 Struck or caught by shifted lading	1	---	1	1	---	---	---	---
903 Tripping over, or struck by falling baggage in passenger car-eqp std	3	---	1	1	---	2	---	---
904 Other accident/incident involving freight, baggage, express, or mail	27	3	19	22	3	1	1	---
SUBTOTAL.....	79	13	59	72	3	3	1	---

Table 70. Injuries In Nontrain Incidents By Specific Occurrences And Type Of Person, 1992

Occurrence	Total Injured	...Employees On Duty... Trainmen	Other	Duty... Total	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
<b>WINDOWS, DOORS, ETC., ON ON-TRACK EQUIPMENT</b>								
907	24	3	19	22	---	---	2	---
908	10	1	8	9	---	---	---	1
909	23	5	16	21	---	---	2	---
910	7	---	7	7	---	---	---	---
911	13	4	9	13	---	---	---	---
912	25	14	7	21	---	4	---	---
913	17	13	3	16	---	1	---	---
914	48	43	5	48	---	---	---	---
915	8	6	2	8	---	---	---	---
916	3	3	---	3	---	---	---	---
917	1	---	1	1	---	---	---	---
918	7	3	4	7	---	---	---	---
919	74	31	34	65	3	5	1	---
SUBTOTAL.....	260	126	115	241	3	10	5	1
<b>PASSENGER CAR DOORS</b>								
920	4	---	---	---	---	4	---	---
921	3	1	---	1	---	2	---	---
924	4	1	---	1	---	3	---	---
925	5	1	3	4	---	1	---	---
926	2	1	1	2	---	---	---	---
927	1	---	---	---	---	1	---	---
SUBTOTAL.....	19	4	4	8	---	11	---	---
<b>STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED</b>								
930	210	93	75	168	23	4	15	---
931	611	369	192	561	25	2	21	2
932	230	119	84	203	11	1	11	4
933	363	50	114	164	41	21	135	2
934	49	16	6	22	---	25	---	2
935	21	7	10	17	---	---	1	3
936	28	3	13	16	---	1	9	2
937	109	70	33	103	2	---	4	---
938	100	20	56	76	1	9	11	3
939	278	104	107	211	23	5	35	4
SUBTOTAL.....	1,999	851	690	1,541	126	68	242	22

**Table 70. Injuries In Nontrain Incidents By Specific Occurrences And Type Of Person, 1992**

Occurrence	Total Injured	...Employees On Duty... Trainmen Other	Total	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
<b>FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.</b>							
940 Foreign object in eye	146	82	43	125	6	---	15
941 Struck by flying of falling object (except assaults)	70	18	30	48	2	1	19
942 Electrical flash, shock, or burn	11	1	9	10	---	---	---
943 Fire or explosion of fusees or torpedoes	1	1	---	1	---	---	---
944 Other fire or explosion	13	7	6	13	---	---	---
945 Burned by hot or corrosive substances	21	9	9	18	1	---	1
946 Inhalation of or contact with fumes or gases	35	25	10	35	---	---	---
947 Electrical injury due to contact with catenary, pantograph or 3rd rail	8	---	---	---	---	---	8
949 Other acc/inc resulting from flying/falling objs, burns, etc.	24	11	5	16	1	2	4
SUBTOTAL.....	329	154	112	266	10	3	39
<b>OPERATION OF ON-TRACK WORK EQUIPMENT</b>							
954 Getting on/off on-track work equipment - equipment standing	37	1	34	35	1	---	1
959 Other A/I involving on-track work equipment - equipment standing	20	1	19	20	---	---	---
SUBTOTAL.....	57	2	53	55	1	---	1
<b>ASSAULT</b>							
96A Shot while on standing on-track equipment	1	1	---	1	---	---	---
96B Shooting incidents not involving persons on on-track equipment	1	1	---	1	---	---	---
96C Struck by other propelled object while on locomotive - equip standing	3	2	1	3	---	---	---
96F Struck by other propelled object, not on on-track equipment	3	---	3	3	---	---	---
96G All other unprovoked assaults	62	27	30	57	1	---	4
96K Shooting incidents that did not involve persons on on-track equipment	1	---	1	1	---	---	---
96L Other assaults connected with the protection of RR property - eqp standing	10	2	7	9	1	---	---
96M All other assaults not involving moving on-track equipment	37	7	25	32	---	2	3
96N Injuries sustained by ther perpetrator of an assault	2	---	1	1	---	---	1
SUBTOTAL.....	120	40	68	108	2	2	7
<b>OTHER OCCURRENCES</b>							
970 Performing rerailing or other clearing operations	22	3	19	22	---	---	---
978 Motor vehicle acc/inc (other than rail-highway grade crossing)	441	89	288	377	18	---	39
979 Servicing and maintenance of highway vehicles	9	---	9	9	---	---	---
980 Horseplay	13	2	8	10	2	---	1
981 Animal bites, including snake bites	8	1	6	7	1	---	---
982 Insect bites	151	40	96	136	14	---	1
983 Incidents occurring in office setting involving clerical, staff, etc., personnel	380	7	351	358	18	---	4
984 Contact with poisonous plants	20	---	20	20	---	---	---
985 Stepping on nails or other sharp objects	49	18	27	45	1	1	2
988 Other accidents/incidents while in caboose, equipment standing	6	5	1	6	---	---	---
989 Other accidents/incidents	765	241	315	556	32	10	159
SUBTOTAL.....	1,864	406	1,140	1,546	86	11	205
<b>GRAND TOTAL.....</b>	<b>15,664</b>	<b>4,466</b>	<b>10,053</b>	<b>14,519</b>	<b>289</b>	<b>191</b>	<b>600</b>

NOTE: Contractor employees are included with nontrespassers



Table 71. Illnesses In Nontrain Incidents By Specific Occurrences And Type Of Person, 1992

Occurrence	Total Illness	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS								
005 Use of uncoupling lever - equipment standing	2	2	---	2	---	---	---	---
SUBTOTAL.....	2	2	---	2	---	---	---	---
COUPLING/UNCOUPLING AIR OR STEAM HOSE, SAFETY CHAINS ETC.								
059 Oth A/I while coupl/uncoupl air/steam hose or turn angl cock-eqp std	1	1	---	1	---	---	---	---
SUBTOTAL.....	1	1	---	1	---	---	---	---
OPERATING OR ON LOCOMOTIVES								
109 Inhalation of or contact with fumes or gases - equipment standing	13	11	2	13	---	---	---	---
119 Other accidents/incidents while operating locomotives - eqp standing	9	9	---	9	---	---	---	---
SUBTOTAL.....	22	20	2	22	---	---	---	---
OPERATING HAND BRAKES								
201 Defective equipment - equipment standing	1	---	1	1	---	---	---	---
SUBTOTAL.....	1	---	1	1	---	---	---	---
OPERATING SWITCHES OR DERAILS								
306 Lining switches, no defects	1	1	---	1	---	---	---	---
309 Other acc/inc while operating switches/derails - equipment standing	6	6	---	6	---	---	---	---
SUBTOTAL.....	7	7	---	7	---	---	---	---
GETTING ON OR OFF CARS OR LOCOMOTIVES								
519 Other acc/inc while getting on or off cars or locos - equipment std	5	4	1	5	---	---	---	---
SUBTOTAL.....	5	4	1	5	---	---	---	---
SERVICING OR MAINTENANCE OF EQUIPMENT								
804 Use of hand tools	21	---	21	21	---	---	---	---
805 Use of portable power tools	10	---	10	10	---	---	---	---
806 Use of welding equipment	6	---	6	6	---	---	---	---
808 Use of grinding equipment	2	---	2	2	---	---	---	---
810 Use of cranes, hoists, derricks, piledrivers, etc.	2	---	2	2	---	---	---	---
812 Use of shop machinery not elsewhere classified	2	---	2	2	---	---	---	---
814 Handling material by hand	5	---	5	5	---	---	---	---
816 Inhalation of or contact with fumes or gases	9	1	8	9	---	---	---	---
820 Electrical flash, shock, or burn	2	---	2	2	---	---	---	---
823 Burned or irritated by hot, corrosive, or toxic substances	10	---	10	10	---	---	---	---
824 Stumbling, slipping, falling, caught, not elsewhere classified	3	---	3	3	---	---	---	---
825 Other acc/inc while servicing or maintaining eqp-eqp std	81	1	80	81	---	---	---	---
SUBTOTAL.....	153	2	151	153	---	---	---	---

Table 71. Illnesses In Nontrain Incidents By Specific Occurrences And Type Of Person, 1992

Occurrence	Total Illness	...Employees On Duty...	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
		Trainmen Other	Total			
<b>MAINTENANCE OF WAY AND STRUCTURES</b>						
854 Use of hand tools	19	---	19	19	---	---
855 Use of portable power tools	7	---	7	7	---	---
856 Use of welding equipment	4	---	4	4	---	---
857 Use of oxygen-acetylene, natural gas cutting equipment	1	---	1	1	---	---
858 Use of grinding equipment	1	---	1	1	---	---
861 Use of lift trucks and other portable material handling eqp	1	---	1	1	---	---
864 Handling material by hand	1	---	1	1	---	---
866 Inhalation of or contact with fumes or gases	6	---	6	6	---	---
869 Struck by flying of falling object	1	---	1	1	---	---
873 Burned or irritated by hot, corrosive or toxic substances	5	---	5	5	---	---
874 Stumbling, slipping, falling, caught, not elsewhere classified	1	---	1	1	---	---
875 Use of maintenance of way equipment not elsewhere classified	6	---	6	6	---	---
876 Inserting or removing ties, switch timbers and tie plates by use of hand tools	1	---	1	1	---	---
890 Handling/inserting/removing rail anchors (includes being struck by anchors)	1	---	1	1	---	---
891 Handling/inserting/removing track spikes (includes being struck by flying spike)	4	---	4	4	---	---
892 Working on or about sgnl or comm. poles, sgnl masts,sgnl cantilevers or catenary	5	---	5	5	---	---
893 Servicing or repairing MOW equipment at work site	2	---	2	2	---	---
899 Other accs/incs while maintaining way and structures - eqp standing	66	---	66	66	---	---
SUBTOTAL.....	132	---	132	132	---	---
<b>STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED</b>						
932 Stumbling/slipping, etc. on parts of track in place	1	---	1	1	---	---
938 While on locomotive or car-equipment standing	1	---	1	1	---	---
939 Other, stumbling, slipping, falling, caught, etc.	1	---	1	1	---	---
SUBTOTAL.....	3	---	3	3	---	---
<b>FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.</b>						
946 Inhalation of or contact with fumes or gases	15	11	4	15	---	---
949 Other acc/inc resulting from flying/falling objs, burns, etc.	1	1	---	1	---	---
SUBTOTAL.....	16	12	4	16	---	---
<b>ASSAULT</b>						
966 All other unprovoked assaults	2	2	---	2	---	---
SUBTOTAL.....	2	2	---	2	---	---
<b>OTHER OCCURRENCES</b>						
970 Performing rerailing or other clearing operations	1	---	1	1	---	---
978 Motor vehicle acc/inc (other than rail-highway grade crossing)	4	3	1	4	---	---
983 Incidents occurring in office setting involving clerical, staff, etc., personnel	129	1	128	129	---	---
984 Contact with poisonous plants	26	5	21	26	---	---
989 Other accidents/incidents	304	91	210	301	3	---
SUBTOTAL.....	464	100	361	461	3	---
<b>GRAND TOTAL.....</b>	<b>808</b>	<b>150</b>	<b>655</b>	<b>805</b>	<b>3</b>	<b>---</b>

NOTE: Contractor employees are included with nontrespassers



## **APPENDIX A**

# **REPORTABILITY REQUIREMENTS AND DEFINITIONS**



## **REPORTABILITY REQUIREMENTS**

The rules governing the monthly reporting of railroad accidents/incidents in effect at the end of 1992 define a reportable accident/incident as an event arising from the operation of a railroad which, with minor exceptions, results in one or more of the following circumstances:

- (a) Any impact between railroad on-track equipment and an automobile, bus, truck, motorcycle, bicycle, farm vehicle, pedestrian, or other highway user at a highway-rail crossing;
- (b) Any collision, derailment, fire, explosion, act of God, or other event involving the operation of railroad on-track equipment, standing or moving, which results in more than \$6,300 in damages to railroad on-track equipment, signals, track, track structures, and roadbed; and
- (c) Any event arising from the operation of a railroad which results in:
  - (i) the death of one or more persons;
  - (ii) an injury to one or more persons; other than railroad employees, which requires medical treatment;
  - (iii) an injury to one or more employees which requires medical treatment or results in: restriction of work or motion for one or more days, or one or more lost work days; transfer to another job; termination of employment; or loss of consciousness; or
  - (iv) any occupational illness of a railroad employee as diagnosed by a physician.

## **CLASSIFICATION OF ACCIDENTS/INCIDENTS**

**Train Accident.** A collision, derailment, or other event involving the operation of railroad on-track equipment resulting in damages that exceed the reporting threshold.

**Train Incident.** Any event involving the movement of railroad on-track equipment that results in a death, a reportable injury, or a reportable illness, but in which railroad property damage does not exceed the reporting threshold.

**Non-train Incident.** An event arising from railroad operations but not from the movement of on-track equipment, which does not exceed the reporting threshold, and results in a death, a reportable injury, or a reportable occupational illness.

## **DEFINITIONS**

**Accident.** See "train accident".

**Car.** A railway car designed to carry freight, railroad personnel, or passengers. This includes boxcars, covered hopper cars, flatcars, refrigerator cars, gondola cars, hopper cars, tank cars, cabooses, stock cars, ventilation cars, and special cars. It also includes on-track maintenance equipment.

**Casualty.** A fatality, a nonfatal injury, or an occupational illness resulting from railroad operations.

**Class I Railroad.** A railroad with an annual gross operating revenue in excess of \$250 million based on 1991 dollars.

**Consist.** On-track railroad equipment such as a train, locomotive, group of railcars, or a single railcar not coupled to another car or to a locomotive.

**Contractor Employee.** A person employed by a contractor hired by a railroad to perform normal maintenance work to railroad rolling stock, track structure, bridges, buildings, etc.

**Derailment.** A derailment occurs when one or more than one unit of rolling stock equipment leaves the rails during train operations for a cause other than collision, explosion, or fire.

**Employee.** A person engaged in railroad operations who works for a railroad company in return for financial compensation.

**Employee Not On Duty.** A railroad employee who is on railroad property for a purpose connected with his or her employment or with other railroad permission, but who is not engaged in rail operations for financial or other compensation.

**Fatality.** The death of a person resulting from an injury incurred during railroad operations or resulting from an occupational illness, if death occurs within 365 days of initial diagnosis.

**Group II Railroads.** Railroads, excluding Class I, with an annual accumulation of over 400,000 employee hours worked.

**Hazardous Materials.** Any toxic substance, explosive, corrosive material, combustible material, poison, or radioactive material that poses a risk to the public's health, safety, or property when transported in commerce.

**Highway-rail Crossing.** A location where one or more railroad tracks intersect a public or private thoroughfare, a sidewalk, or a pathway.

**Human Factor.** Behavior affecting elements of railroad employee job performance.

**Locomotive.** A self-propelled unit of on-track equipment designed for moving other rail freight and passenger equipment on railroad tracks, including self-propelled units.

**Locomotive-mile.** The movement of a locomotive under its own power the distance of one mile.

**Main Track.** Any track other than auxiliary track that extends through railroad yards or between stations and over which trains operate by time-table and/or train orders or the use of the track is governed by a signal system.

**Man-hour.** An industrial unit of production reflecting paid labor hours.

**Nonfatal Casualty.** Injuries and occupational illnesses incurred during railroad operations and maintenance procedures.

**Nontrespassers.** A person who is lawfully on any part of railroad property which is used in railroad operations or a person who is adjacent to railroad premises when injured as a the result of railroad operations.

**Occupational Illness.** Any abnormal condition or disorder caused by environmental factors associated with a worker's employment, but not the result of an injury.

**On-track Equipment.** Railroad rolling stock used to transport freight or passengers. Includes locomotives, railroad cars, maintenance equipment, and one or more locomotives coupled to one or more cars.

**Operating Practice.** Railroad employment performance and adherence to the established operating rules of a railroad company.

**Passenger.** A person who is on, boarding, or alighting from a railroad car for the purpose of travel, without participating in its operation.

**Public Crossing.** A location open to public travel where railroad tracks intersect a roadway that is under the jurisdiction and maintenance of a public authority.

**Railroad.** Any surface transportation system that carries passengers, goods, materials, or property over rails.

**Reporting Threshold.** The level of railroad property damage, resulting from a train accident involving on-track equipment, over which a railroad company must report the accident to the Federal Railroad Administration. Reportable damages include the cost of labor and the cost of repairing (or replacing in kind) damaged on-track equipment, track, track structures, or roadbed.

**Revenue Ton-miles.** Revenue freight traffic measured in ton-miles.

**Tank Car.** A railroad car consisting of a large cylindrical container attached to the railcar truck and used to transport liquids in bulk.

**Ton-mile.** A unit of measure equal to the movement of one ton of railroad lading for a distance of one mile.

**Train.** Locomotive unit or units, with or without cars, involved in railroad operations.

**Trainmen.** Persons employed as engineers and motormen, firemen and helpers, conductors, brakemen, and flagmen engaged in passenger, freight, yard or work service, and train baggagemen. Prior to 1984 this category did not include hostlers. The Interstate Commerce Commission revised the occupational groupings in 1984 and now includes hostlers in the train and engine category.

**Train-mile.** A unit of comparative measure equal to the movement of one train for a distance of one mile.

**Trespasser.** Any person whose presence on railroad property, used in railroad operation, is prohibited or unlawful.

**APPENDIX B**  
**REPORTING FORMS**



DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION  
**RAILROAD INJURY AND ILLNESS SUMMARY**

*Form Approved*  
OMB No. 2130-0500

1. NAME OF REPORTING RAILROAD	2. ALPHABETIC CODE	3. REPORT MONTH & YEAR	4. STATE ALPHABETIC CODE	5. COUNTY
NAME OF REPORTING OFFICER			OFFICIAL TITLE	
ADDRESS			TELEPHONE (Area Code) (Number)	

6. I, \_\_\_\_\_, being first duly sworn, do say upon my oath that I am \_\_\_\_\_, of the railroad aforesaid and as such officer of the said railroad it is my duty to have supervision over the record of reportable incidents arising from the operation of the said railroad, and that I have caused to be compiled from the said record and to be carefully examined the annexed report of such incidents occurring during the month named at the head of this sheet; and that the said report is true and complete to the best of my knowledge and belief.

Subscribed and sworn to before me, a notary public in and for the State and County aforesaid, this \_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_\_\_\_.

(Use an im-  
[L.S]  
pression seal) \_\_\_\_\_

(Notary Public) \_\_\_\_\_ (Signature of affiant) \_\_\_\_\_

7. MILES RUN DURING MONTH

A. LOCOMOTIVE TRAIN MILES	B. MOTOR TRAIN MILES	C. YARD SWITCHING MILES	D. TOTAL
---------------------------	----------------------	-------------------------	----------

8.

A. EMPLOYEE MANHOURS WORKED	B. PASSENGER MILES OPERATED	C. NUMBER OF PASSENGERS TRANSPORTED
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TOTAL TRAIN ACCIDENTS	TOTAL FRA FORMS 6180-55A	TOTAL FRA FORMS 6180-54	TOTAL FRA FORMS 6180-57
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SECTION A—RECAPITULATION OF ALL CASUALTIES INCLUDING HIGHWAY GRADE CROSSING ACCIDENT/INCIDENT CASUALTIES								CLASS OF PERSON FOR SECTIONS A AND B	SECTION B—RECAPITULATION OF ALL HIGHWAY GRADE CROSSING ACCIDENT/INCIDENT CASUALTIES							
TRAIN ACCIDENTS		TRAIN INCIDENTS		NONTRAIN INCIDENTS		TOTAL			TRAIN ACCIDENTS		TRAIN INCIDENTS		NONTRAIN INCIDENTS		TOTAL	
Kld	Inj	Kld	Inj	Kld	Inj	Kld	Inj		Kld	Inj	Kld	Inj	Kld	Inj	Kld	Inj
								1. Employees on duty								
								2. Employees not on duty								
								3. Passengers on trains								
								4. Other nontrespassers								
								5. Trespassers (all classes)								
								6. Contractor Employees								
								7. GRAND TOTAL								

**SECTION C—MEMORANDUM—SUBSEQUENT FATALITIES DEVELOPED FROM REPORTED CASUALTIES**

LINE NO.	ACCIDENT/INCIDENT NUMBER	TYPE PERSON OR JOB CODE	DATE OF INJURY	DATE OF DEATH	STATE
1.					
2.					
3.					
4.					

FORM FRA F 6180-55 (8-76) REPLACES FORM FRA F 6180-55 (12-74) WHICH IS OBSOLETE.

*This report is required by law (45 USC 40). Failure to report can result in the imposition of civil penalties.*



# RAIL EQUIPMENT ACCIDENT/INCIDENT REPORT

1. NAME OF REPORTING RAILROAD Amtrak Autotrain		1a. Alphabetic Code	1b. Railroad Accident/Incident No.								
2. NAME OF OTHER RAILROAD INVOLVED IN TRAIN ACCIDENT/INCIDENT		2a. Alphabetic Code	2b. Railroad Accident/Incident No.								
3. NAME OF RAILROAD RESPONSIBLE FOR TRACK MAINTENANCE (single entry)		3a. Alphabetic Code	3b. Railroad Accident/Incident No.								
4. U. S. DOT-AAR GRADE CROSSING IDENTIFICATION NUMBER		5. DATE OF ACCIDENT/INCIDENT month   day   year	6. TIME OF ACCIDENT/INCIDENT am <input type="checkbox"/> pm <input type="checkbox"/>								
7. TYPE OF ACCIDENT/INCIDENT (enter number in code box, single entry)											
1. Derailment      3. Rear end collision      5. Raking collision      7. Rail-Hwy crossing      9. Obstruction      11. Fire or violent rupture      12. Other (specify) _____ 2. Head on collision      4. Side collision      6. Broken train collision      8. RR grade crossing      10. Explosion-Detonation											
<b>HAZARDOUS MATERIALS (number of)</b>											
8. CARS CARRYING		9. CARS DAMAGED OR DERAILED	10. CARS WHICH RELEASED HAZ. MAT.	11. PEOPLE EVACUATED (est.)							
<b>LOCATION</b>											
12. DIVISION		13. NEAREST STATION	14. MILEPOST (to nearest tenth)	15. STATE (two letter code) CODE							
<b>ENVIRONMENTAL CONDITIONS</b>											
16. TEMPERATURE (specify if minus) °F		17. VISIBILITY (single entry) CODE 1. Dawn      3. Dusk 2. Day      4. Dark	18. WEATHER (single entry) CODE 1. Clear    2. Cloudy    3. Rain    4. Fog    5. Sleet    6. Snow								
<b>OPERATIONAL DATA</b>											
19. METHOD (place X in appropriate box(es))											
1. <input type="checkbox"/> Manual block      4. <input type="checkbox"/> Automatic block      7. <input type="checkbox"/> Yard rules      10. <input type="checkbox"/> Auto. train control      13. <input type="checkbox"/> Other (specify) _____ 2. <input type="checkbox"/> Interlocking      5. <input type="checkbox"/> Traffic control      8. <input type="checkbox"/> Time table      11. <input type="checkbox"/> Verbal permission 3. <input type="checkbox"/> Cab signal      6. <input type="checkbox"/> Auto. train stop      9. <input type="checkbox"/> Radio      12. <input type="checkbox"/> Train orders											
20. SPEED (recorded speed, if available) Est. _____ MPH Recorded _____		21. TRAIN NUMBER	22. TIME TABLE DIRECTION CODE 1. North    2. South    3. East    4. West								
<b>EQUIPMENT</b>											
23. TRAILING TONS (gross tonnage, excluding power units)		24. TYPE OF EQUIPMENT CONSIST (single entry) CODE 1. Freight train    3. Mixed train    5. Single car    7. Yard/switching 2. Passenger train    4. Work train    6. Cut of cars    8. Light loco(s)		25. WAS THE EQUIPMENT IDENTIFIED IN ITEM 24 UNATTENDED? CODE 1. Yes    2. No							
26. TRACK NUMBER OR NAME		27. FRA TRACK CLASSIFICATION	28. ANNUAL TRACK DENSITY (gross tons in millions)	29. TYPE OF TRACK CODE 1. Main    3. Siding 2. Yard    4. Industry							
30. PRINCIPLE CAR/UNIT  (1) First Involved (derailed, struck, striking, etc.)  (2) Causing (mechanical failures)		30a. Initial and Number	30b. Position in Train	30c. Loaded (yes or no)							
31. LOCOMOTIVE UNITS (no. of)		32. CARS (no. of)		33. PROPERTY DAMAGE (estimated cost, including labor, to repair or replace) \$							
a. Head End		b. Mid Train		c. Rear End		d. Loaded		e. Empty		34. TRACK, SIGNAL, WAY AND STRUCTURES DAMAGE \$	
b. Manual		c. Remote		d. Manual		e. Remote		a. Freight		b. Pass.	
c. Remote		d. Manual		e. Remote		a. Freight		b. Pass.		c. Freight	
d. Manual		e. Remote		a. Freight		b. Pass.		c. Freight		d. Pass.	
e. Remote		a. Freight		b. Pass.		c. Freight		d. Pass.		e. Caboose	
(1) Total in Train		(1) Total in Equipment Consist		(1) Total in Train		(1) Total in Equipment Consist		(1) Total in Train		(1) Total in Equipment Consist	
(2) Total Derailed		(2) Total Derailed		(2) Total Derailed		(2) Total Derailed		(2) Total Derailed		(2) Total Derailed	
<b>ACCIDENT/INCIDENT CAUSE CODE</b>											
35. PRIMARY CAUSE CODE		36. CONTRIBUTING CAUSE CODE		37. If no code available, explain cause.							
<b>CASUALTIES</b>											
38. NUMBER OF PERSONS INJURED		39. ESTIMATED TOTAL DAYS DISABILITY		40. NUMBER OF FATALITIES							
<b>CREW (no. of)</b>											
41. ENGINEERS		42. FIREMEN		43. CONDUCTORS		44. BRAKEMEN		45. ENGINEER		46. CONDUCTOR	
Hrs:		Mins:		Hrs:		Mins:		Hrs:		Mins:	
47. TYPED NAME AND TITLE					48. SIGNATURE					49. DATE	
50. NARRATIVE DESCRIPTION - Describe the cause, nature and circumstances of accident/incident											

# RAIL-HIGHWAY GRADE CROSSING ACCIDENT/INCIDENT REPORT

1. NAME OF REPORTING RAILROAD  Amtrak Autotrain	1a. Alphabetic Code	1b. Railroad Accident/Incident No.
2. NAME OF OTHER RAILROAD INVOLVED IN TRAIN ACCIDENT/INCIDENT	2a. Alphabetic Code	2b. Railroad Accident/Incident No.
3. NAME OF RAILROAD RESPONSIBLE FOR TRACK MAINTENANCE (single entry)	3a. Alphabetic Code	3b. Railroad Accident/Incident No.
4. U. S. DOT-AAR GRADE CROSSING IDENTIFICATION NUMBER	5. DATE OF ACCIDENT/INCIDENT month    day    year	6. TIME OF ACCIDENT/INCIDENT am <input type="checkbox"/> pm <input type="checkbox"/>

### LOCATION

7. NEAREST RAILROAD STATION	8. COUNTY	9. STATE (two letter code)    CODE
10. CITY (if in a city)	11. HIGHWAY NAME OR NUMBER (if private crossing, so state)	

### ACCIDENT/INCIDENT SITUATION

<b>HIGHWAY USER INVOLVED</b> 12. TYPE 1. Auto    3. Truck-Trailer    6. Motorcycle 2. Truck    4. Bus    7. Pedestrian 8. Other (specify) CODE 13. SPEED (estimated mph at impact) CODE 14. DIRECTION (geographical) 1. North    3. East 2. South    4. West CODE 15. POSITION 1. Stalled on crossing    2. Stopped on crossing    3. Moving over crossing CODE 19. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? 1. Highway user    2. Rail equipment    3. Both    4. Neither    CODE	<b>RAILROAD EQUIPMENT INVOLVED</b> 16. EQUIPMENT 1. Train (units pulling)    3. Train (standing)    6. Light loco(s) (moving) 2. Train (units pushing)    4. Car(s) (moving)    7. Light loco(s) (standing) 5. Car(s) (standing)    8. Other (specify) CODE 17. POSITION OF CAR/UNIT IN TRAIN CODE 18. CIRCUMSTANCE 1. Train struck highway user    2. Train struck by highway user CODE
---	--

### ENVIRONMENT

20. TEMPERATURE (specify, if minus) °F	21. VISIBILITY (single entry) 1. Dawn    3. Dusk 2. Day    4. Dark CODE	22. WEATHER (single entry) 1. Clear    3. Rain    5. Sleet 2. Cloudy    4. Fog    6. Snow CODE
---	--	---

### TRAIN AND TRACK

23. TYPE OF TRAIN 1. Freight    3. Mixed 2. Passenger    4. Work CODE	24. TRACK TYPE USED BY TRAIN INVOLVED 1. Main    3. Siding 2. Yard    4. Industry CODE	25. TRACK NUMBER OR NAME
26. FRA TRACK CLASSIFICATION	27. NUMBER OF LOCOMOTIVE UNITS	
28. NUMBER OF CARS	29. TRAIN SPEED (recorded speed, if available) Est    MPH    Recorded	30. TIME TABLE DIRECTION 1. North    3. East 2. South    4. West CODE

### CROSSING WARNING

31. TYPE (place X in appropriate box(es)) 1. <input type="checkbox"/> Gates    5. <input type="checkbox"/> Hwy. Traffic Signals    9. <input type="checkbox"/> Watchman 2. <input type="checkbox"/> Cantilever FLS    6. <input type="checkbox"/> Audible    10. <input type="checkbox"/> Flagged by crew 3. <input type="checkbox"/> Standard FLS    7. <input type="checkbox"/> Crossbucks    11. <input type="checkbox"/> Other (specify) 4. <input type="checkbox"/> Wig Wags    8. <input type="checkbox"/> Stop Signs    12. <input type="checkbox"/> None CODE	32. SIGNALLED CROSSING WARNING Was the signaled crossing warning identified in item 31 operating? 1. Yes    2. No    CODE	
33. LOCATION OF WARNING 1. Both sides    2. Side of vehicle approach 3. Opposite side of vehicle approach    CODE	34. CROSSING WARNING INTERCONNECTED WITH HIGHWAY SIGNALS 1. Yes    2. No    3. Unknown    CODE	35. CROSSING ILLUMINATED BY STREET LIGHTS OR SPECIAL LIGHTS 1. Yes    2. No    3. Unknown    CODE

### MOTORIST ACTION

36. MOTORIST PASSED STANDING HIGHWAY VEHICLE 1. Yes    2. No    3. Unknown    CODE	37. MOTORIST DROVE BEHIND OR IN FRONT OF TRAIN AND STRUCK OR WAS STRUCK BY SECOND TRAIN 1. Yes    2. No    3. Unknown    CODE
38. MOTORIST 1. Drove around or thru the gate    2. Stopped and then proceeded    3. Did not stop    4. Other (specify)    5. Unknown    CODE	
39. VIEW OF TRACK OBSCURED BY (primary obstruction) 1. Permanent structure    2. Standing railroad equipment    3. Passing train    5. Vegetation    7. Other (specify) 4. Topography    6. Highway vehicles    8. Not obstructed    CODE	

### HIGHWAY VEHICLE PROPERTY DAMAGE/CASUALTIES

40. HIGHWAY VEHICLE PROPERTY DAMAGE (est. dollar damage)	41. DRIVER WAS 1. Killed    2. Injured    3. Uninjured    CODE	42. WAS DRIVER IN THE VEHICLE? 1. Yes    2. No    CODE
43. TOTAL NUMBER OF OCCUPANTS KILLED	44. TOTAL NUMBER OF OCCUPANTS INJURED	45. TOTAL NUMBER OF OCCUPANTS (include driver)
46. IS A RAIL EQUIPMENT ACCIDENT/INCIDENT REPORT BEING FILED? 1. Yes    2. No    CODE		
47. TYPED NAME AND TITLE	48. SIGNATURE	49. DATE

**ANNUAL SUMMARY REPORT**  
of  
**RAILROAD INJURY AND ILLNESS**  
(Covering Calendar Year \_\_\_\_)

**COMPLETE THIS REPORT WHETHER OR NOT THERE WERE  
ANY REPORTABLE OCCUPATIONAL INJURIES OR ILLNESSES.  
READ INSTRUCTIONS BEFORE COMPLETING THIS FORM**

**I. ESTABLISHMENTS INCLUDED IN THIS REPORT**

This report should include all establishments located in, or identified by, the reporting railroad. Enter the number of establishments (see definition in the FRA Guide).

\_\_\_\_\_

**II. AVERAGE EMPLOYMENT IN REPORTING YEAR**

Enter the average number of employees during calendar year. Count all classes of employees, including seasonal, temporary, part-time, etc. See instructions in the FRA Guide for examples of computing your average employment.

\_\_\_\_\_ (Round to the nearest whole number)

**III. TOTAL HOURS WORKED IN REPORTING YEAR**

Enter the total number of hours actually worked by all employees. DO NOT include any non-work time even

though paid, such as vacations, sick leave, holidays, etc.

\_\_\_\_\_ (Round to the nearest whole number)

**IV. REPORTABLE INJURIES AND ILLNESSES**

Did you have any reportable injuries or illnesses during the reporting year? (Check one)

- (1)  No - complete Section VII,  
(2)  Yes - complete Sections V, VI and VII.

**V. MONTHLY DATA OF REPORTABLE INJURIES AND ILLNESSES**

Of the Total Reportable Occupational Injuries and Illnesses (Section VI, Line 10 column 1), how many occurred in the following months?

	<u>Calendar Year</u>			
Jan. _____	Apr. _____	July _____	Oct. _____	
Feb. _____	May _____	Aug. _____	Nov. _____	
Mar. _____	June _____	Sept. _____	Dec. _____	

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CORPORATE NAME AND MAILING ADDRESS OF REPORTING RAILROAD →

Name		Alphabetic Railroad Code (See FRA Guide, Appendix A)
STREET		
CITY	STATE	ZIP CODE

**VI. INJURY AND ILLNESS SUMMARY** (Covering Calendar Year \_\_\_\_\_ )

- INSTRUCTIONS:**
- This section may be completed by Copying data from the "Annual Summary" which you are required to complete and post in your establishment.
  - Leave Section VI blank if there were no reportable injuries or illnesses during the reporting year.
  - Line 9 – Add all Occupational Illnesses (Lines 2 through 8) and enter on this line for each column (1) through (8).
  - Line 10 - Add Occupational Injuries (Line 1) and the sum of all Occupational Illnesses (Line 9) and enter on this line for each column (1) through (8).

LINE	INJURY AND ILLNESS CATEGORY	TOTAL CASES (1)	DEATHS (2)	LOST WORKDAY CASES ONLY				NONFATAL CASES WITH- OUT LOST WORKDAYS (7)	TERMINA- TIONS OR PERMANENT TRANSFERS (8)
				Total lost work- day cases (includes restricted workday cases) (3)	Cases involving days away from work (4)	Days away from work (5)	Days of restricted work activity (6)		
1	<b>OCCUPATIONAL INJURIES</b>								
2	<b>OCCUPATIONAL ILLNESSES</b>	Occupational Skin Diseases or Disorders							
3		Dust Diseases of the Lungs							
4		Respiratory Conditions Due to Toxic Agents							
5		Poisoning (Systemic Effects of Toxic Materials)							
6		Disorders Due to Physical Agents							
7		Disorders Associated With Repeated Trauma							
8		All Other Occupational Illnesses							
9		<b>TOTAL OCCUPATIONAL ILLNESSES</b> (Add Lines 2 through 8)							
10	<b>TOTAL OCCUPATIONAL INJURIES AND ILLNESSES</b> (Add Lines 1 and 9)								

**VII. COMMENTS:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Report prepared by: \_\_\_\_\_ Area Code and Phone: \_\_\_\_\_  
 Title: \_\_\_\_\_ Date: \_\_\_\_\_

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**ANNUAL RAILROAD REPORT  
OF  
MANHOURS BY STATE**

1. REPORTING RAILROAD			ALPHABETIC CODE		2. REPORT YEAR		
3 <b>ANNUAL MANHOURS</b>							
A.	STATE	B. CODE	C. M/HRS.	A.	STATE	B. CODE	C. M/HRS.
(1)	ALABAMA	AL		(26)	MONTANA	MT	
(2)	ALASKA	AK		(27)	NEBRASKA	NE	
(3)	ARIZONA	AZ		(28)	NEVADA	NV	
(4)	ARKANSAS	AR		(29)	NEW HAMPSHIRE	NH	
(5)	CALIFORNIA	CA		(30)	NEW JERSEY	NJ	
(6)	COLORADO	CO		(31)	NEW MEXICO	NM	
(7)	CONNECTICUT	CT		(32)	NEW YORK	NY	
(8)	DELAWARE	DE		(33)	NORTH CAROLINA	NC	
(9)	DISTRICT OF COLUMBIA	DC		(34)	NORTH DAKOTA	ND	
(10)	FLORIDA	FL		(35)	OHIO	OH	
(11)	GEORGIA	GA		(36)	OKLAHOMA	OK	
(12)	IDAHO	ID		(37)	OREGON	OR	
(13)	ILLINOIS	IL		(38)	PENNSYLVANIA	PA	
(14)	INDIANA	IN		(39)	RHODE ISLAND	RI	
(15)	IOWA	IA		(40)	SOUTH CAROLINA	SC	
(16)	KANSAS	KS		(41)	SOUTH DAKOTA	SD	
(17)	KENTUCKY	KY		(42)	TENNESSEE	TN	
(18)	LOUISIANA	LA		(43)	TEXAS	TX	
(19)	MAINE	ME		(44)	UTAH	UT	
(20)	MARYLAND	MD		(45)	VERMONT	VT	
(21)	MASSACHUSETTS	MA		(46)	VIRGINIA	VA	
(22)	MICHIGAN	MI		(47)	WASHINGTON	WA	
(23)	MINNESOTA	MN		(48)	WEST VIRGINIA	WV	
(24)	MISSISSIPPI	MS		(49)	WISCONSIN	WI	
(25)	MISSOURI	MO		(50)	WYOMING	WY	
4. TYPED NAME AND TITLE				5. SIGNATURE		6. DATE	

FORM FRA F 6180-56 (8-74) SUBMIT THIS FORM WITH THE FRA F 6180-55, DECEMBER REPORT.





U.S. Department  
of Transportation

**Federal Railroad  
Administration**

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