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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 162 is a summary of accident/incident data reported by 668 railroads for calendar year 1993.

The FRA Guide For Preparing Accident/Incident Reports was reprinted in 1993. It 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 though 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.

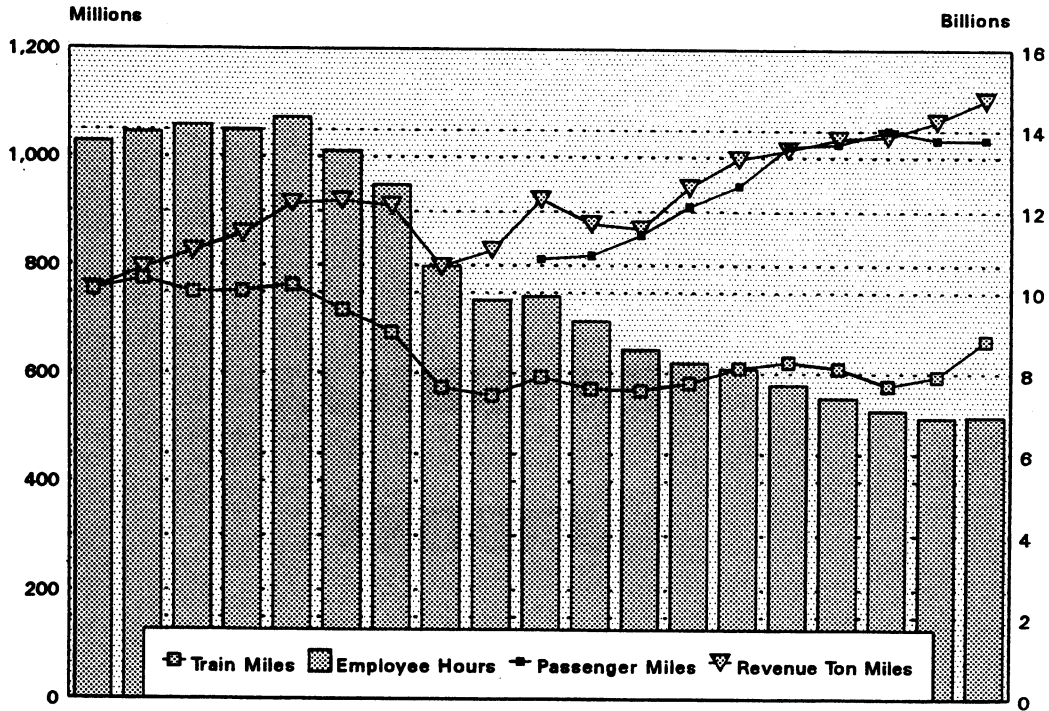
There are three basic categories of reportable events: train accidents; highway-rail accidents; and, any other event that results in a reportable casualty (death, injury, illness). An accident/incident report must be prepared whenever the event results in certain consequences. For example, a train accident must cause reportable damage above \$6,300 but a highway-rail collision is reportable regardless of severity. Approximate 3.5% (174) of the 4,892 highway-rail accidents reported in 1993 exceeded the damage threshold required for train accidents. These 174 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.

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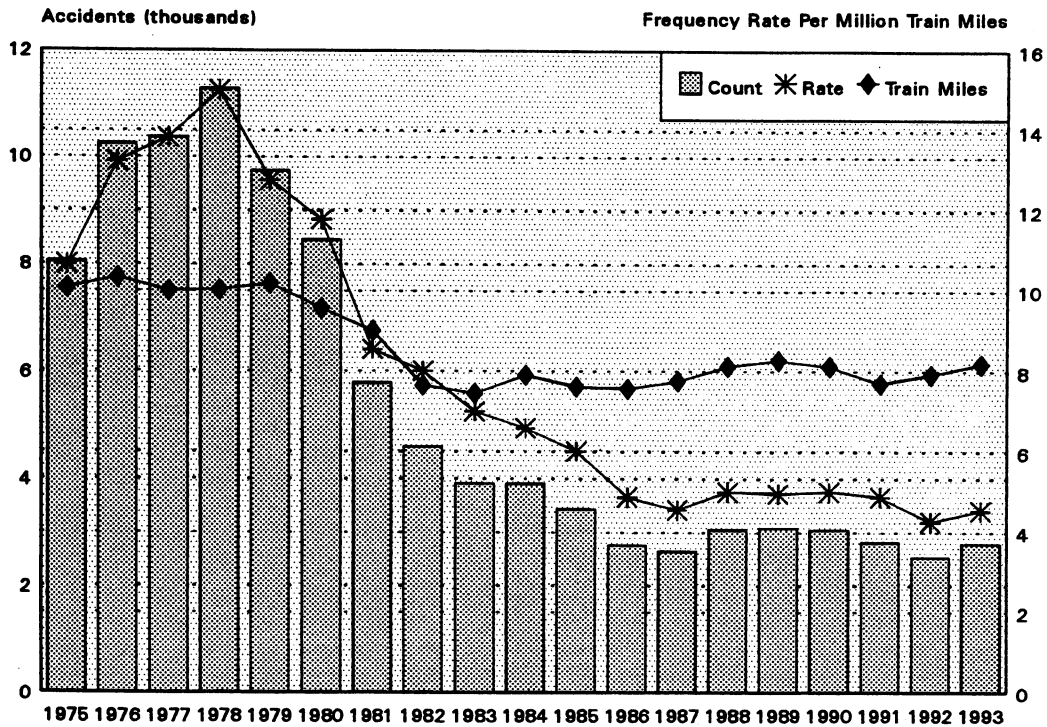
**HISTORICAL
ACCIDENT
TRENDS
(G R A P H S)**

FIGURE 1 - OPERATIONAL DATA



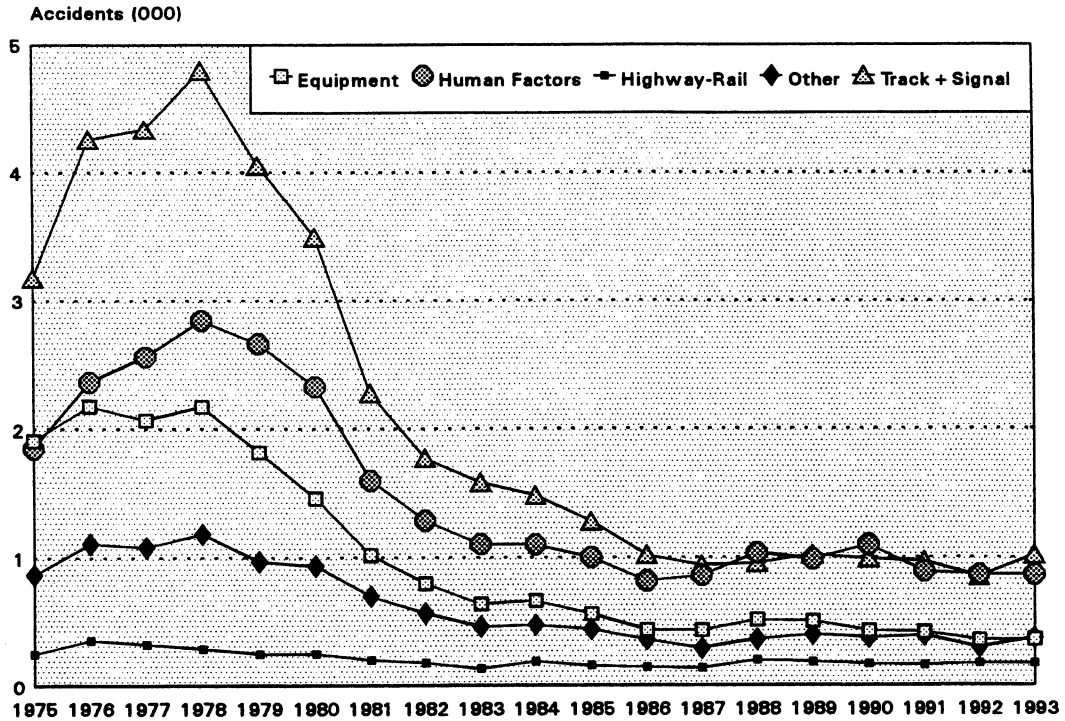
Train miles and employee hours are shown in millions using the left axis.
 Revenue ton miles are shown in billions using the left axis.
 Passenger miles are shown in billions using the right axis.

FIGURE 2 - TRAIN ACCIDENTS



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 3 - TRAIN ACCIDENTS BY CAUSE



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

FIGURE 4 - COLLISIONS

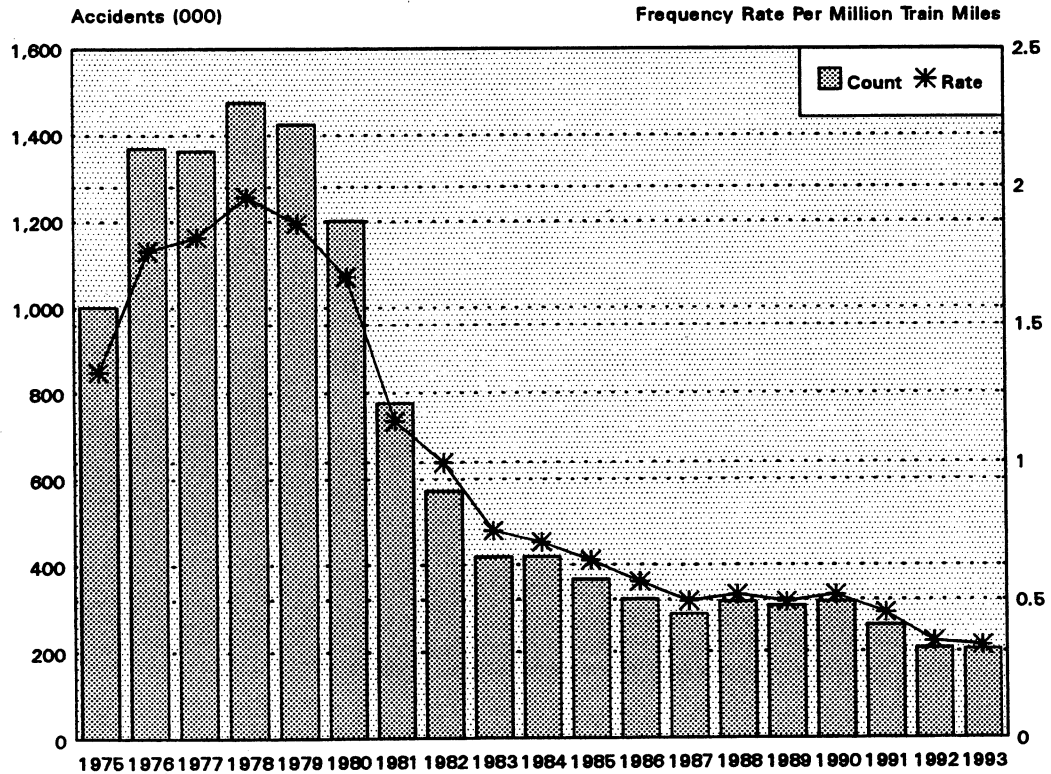


FIGURE 5 - DERAILMENTS

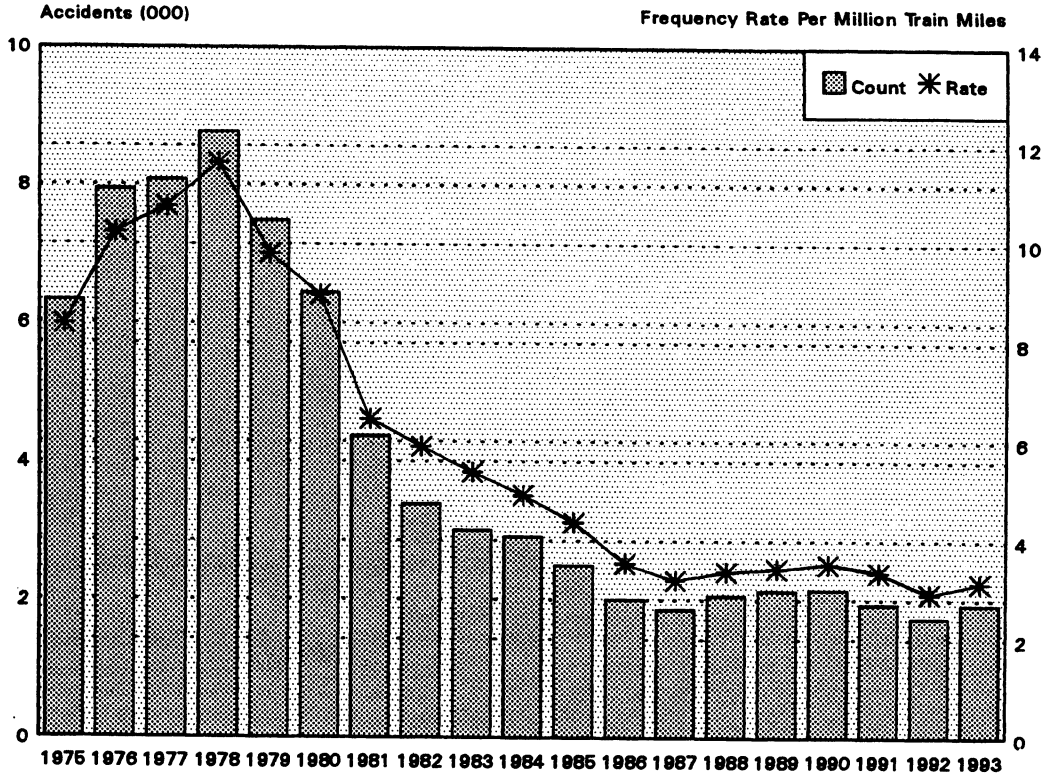
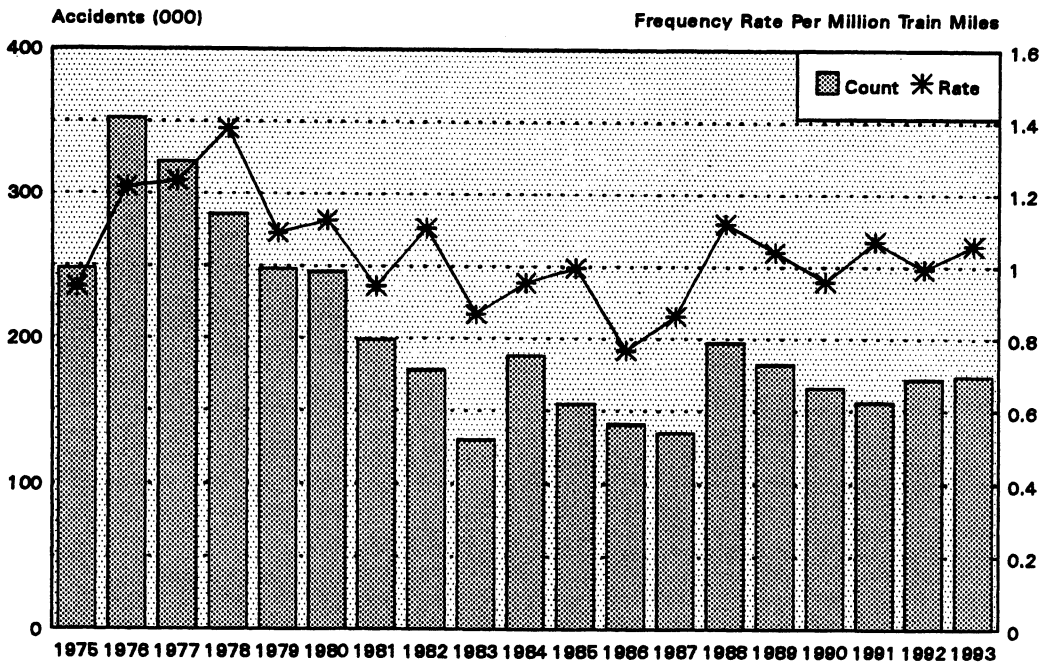


FIGURE 6 - OTHER TRAIN ACCIDENTS Including Highway-Rail



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 7 - TRAIN ACCIDENTS By Type of Track

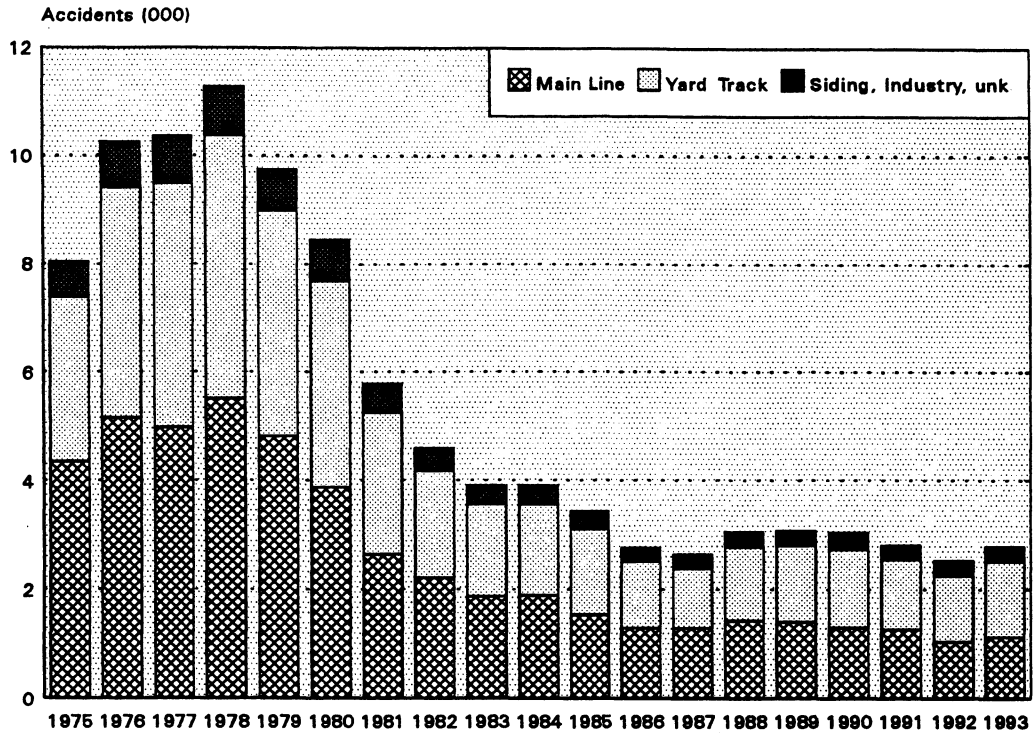
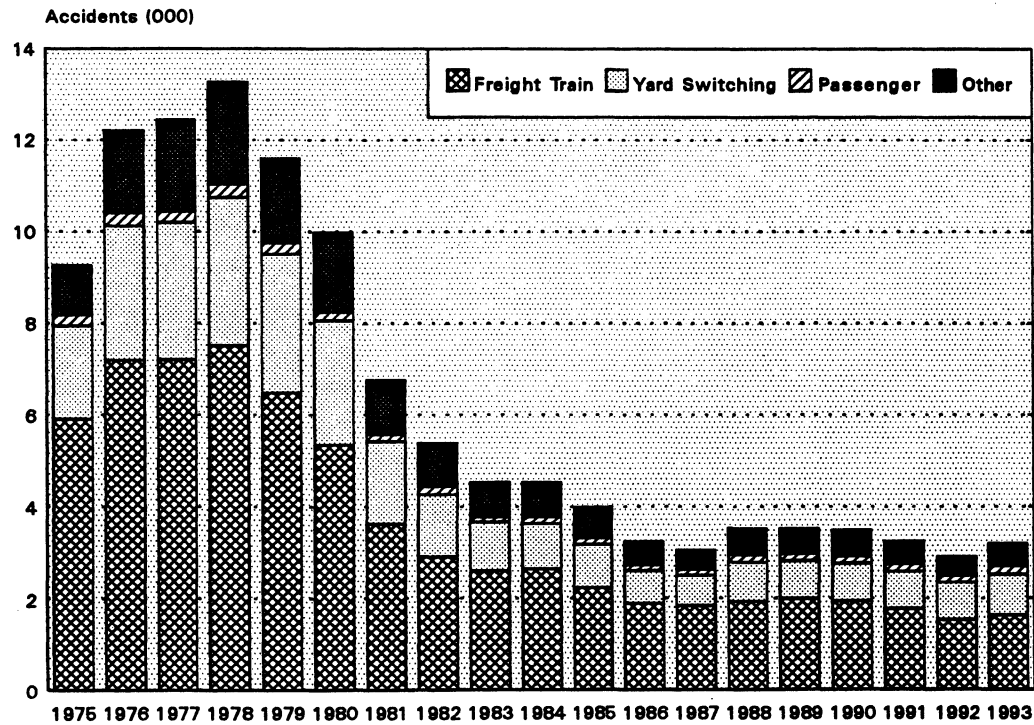
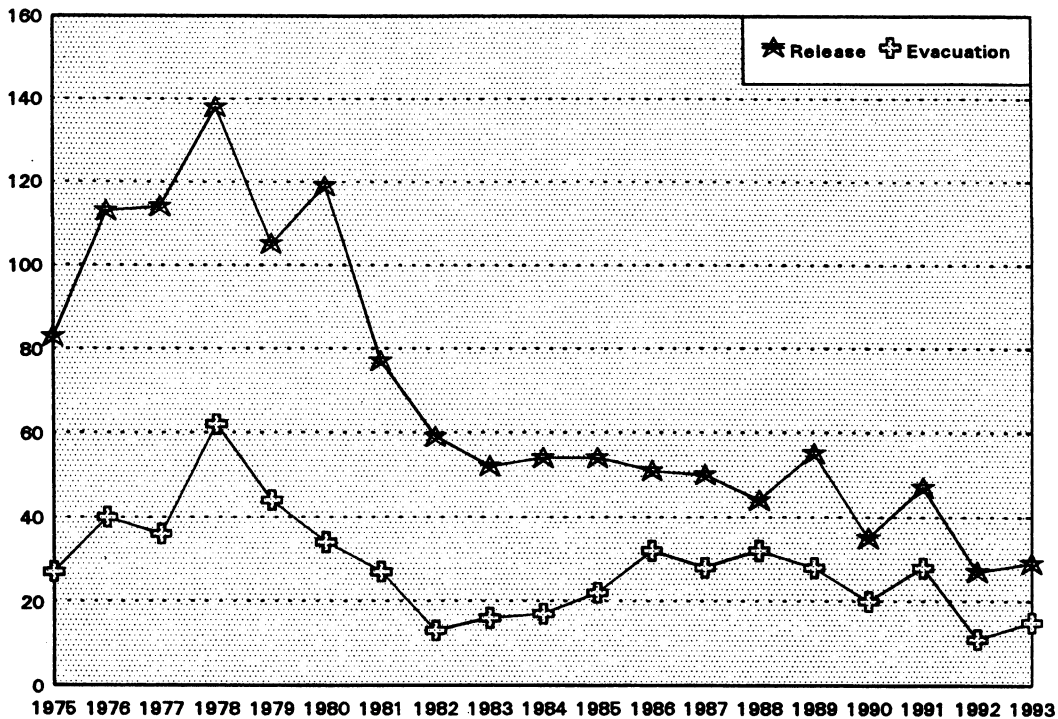


FIGURE 8 - EQUIPMENT INVOLVED IN TRAIN ACCIDENTS



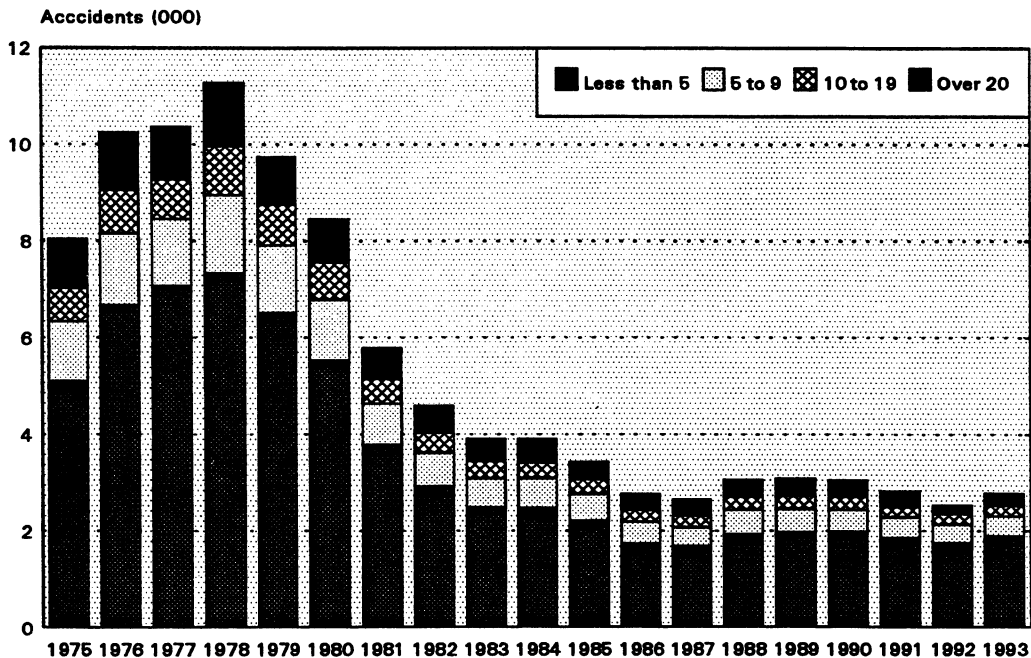
The counts appearing in this chart are higher than the number of accidents, since many accidents involve different types of equipment, e.g., a freight train side swipes a locomotive in a yard.

FIGURE 9 - TRAIN ACCIDENTS INVOLVING HAZMAT



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

FIGURE 10 - TRAIN ACCIDENT SEVERITY
Counts Based on Multiple of Reporting Threshold



The reporting threshold is adjusted every two years. In 1975 the threshold was \$1,750; in 1993 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 11 - TOTAL CASUALTIES
All Accidents/Incidents

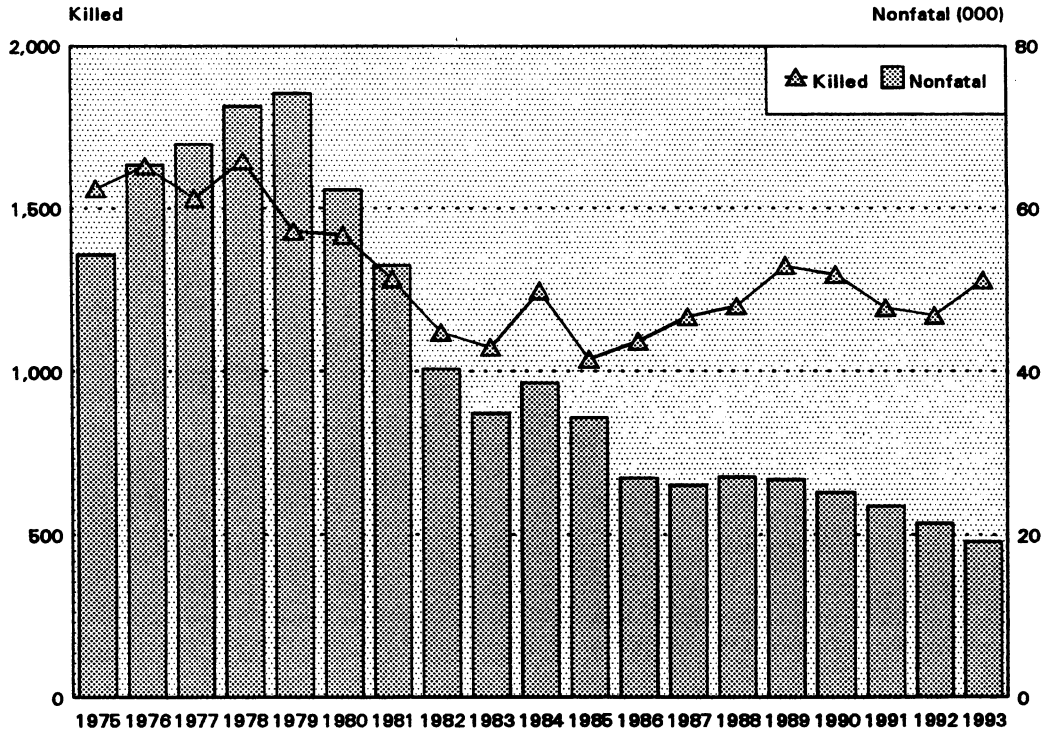
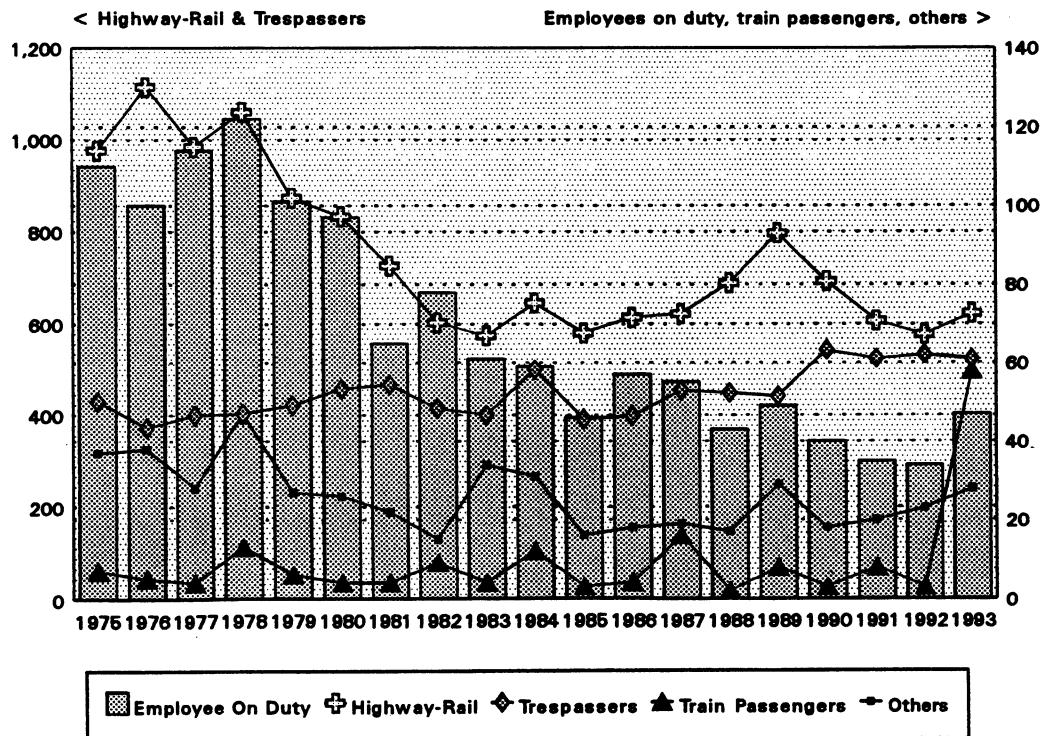
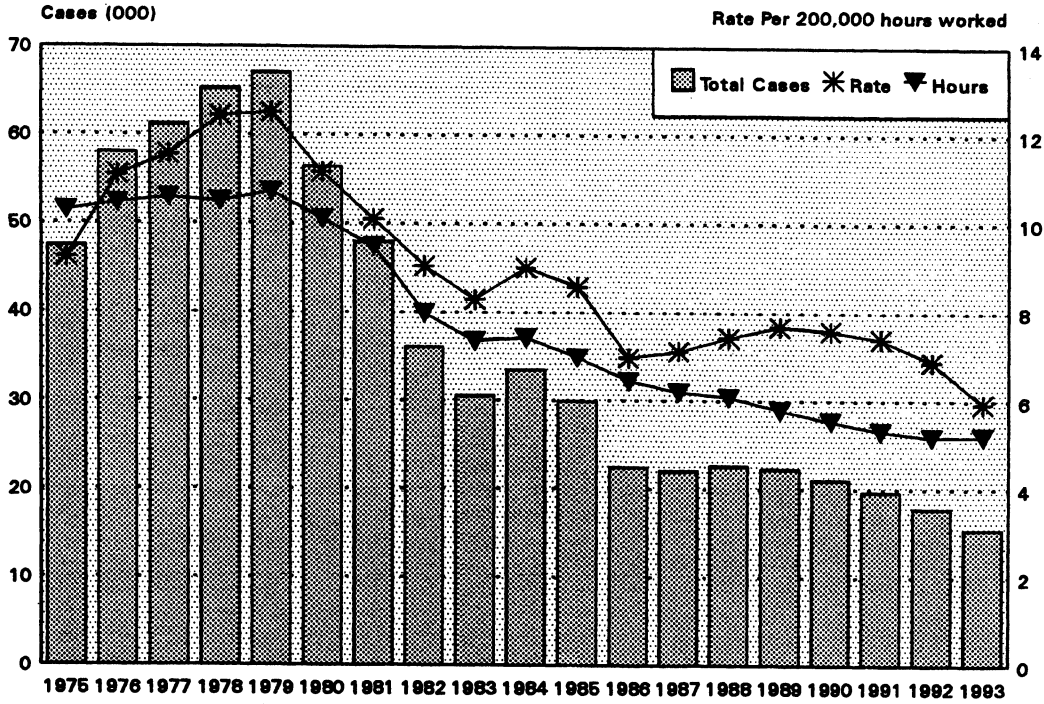


FIGURE 12 - TOTAL FATALITIES



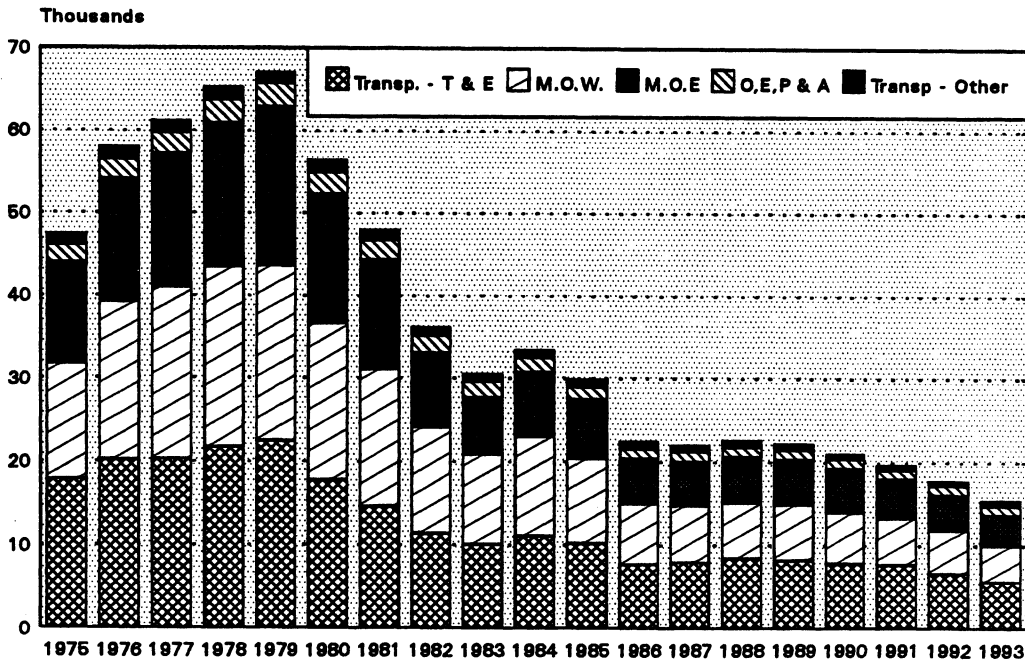
Highway-rail fatalities include all type persons except employees on duty.
 "Others" include employees not on duty, contractor employees, and other persons
 whose presence on railroad property was not prohibited.

FIGURE 13 - EMPLOYEE ON DUTY CASUALTIES



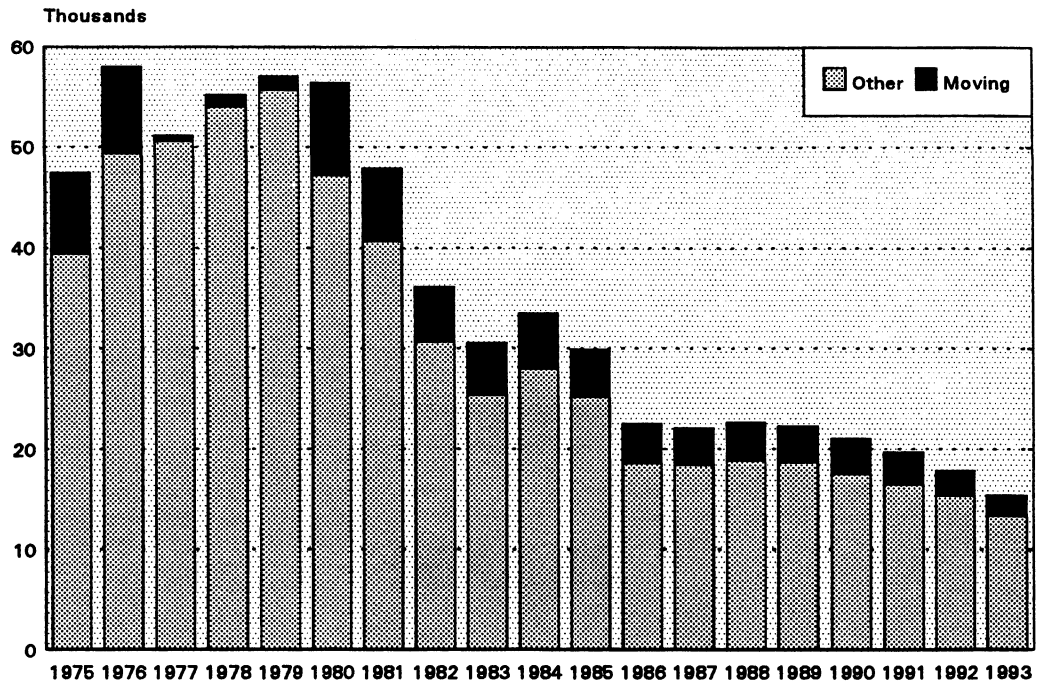
Total cases includes fatalities, plus nonfatal injuries and illnesses.
 The total number of hours worked has been divided by 20,000 in order to obtain a comparable scale and are displayed using the left axis.

**FIGURE 14 - EMPLOYEE ON DUTY CASES
 By Occupational Category**



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 15 - EMPLOYEE ON DUTY CASES
Moving On-Track Equipment VS Other Incidents



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

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**HISTORICAL
ACCIDENT
TRENDS
(D A T A)**

TABLE 1. RAILROAD OPERATIONAL PROFILE¹

YEAR	EMPLOYEE HOURS	MOTOR TRAIN MILES	YARD SWITCHING MILES	LOCOMOTIVE TRAIN MILES	TOTAL TRAIN MILES
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
1993	519,673	28,419	87,122	498,433	613,974

**TABLE 2. REVENUE TON-MILES²
(BILLIONS)**

1988	996.2
1989	1,013.8
1990	1,034.0
1991	1,038.9
1992	1,066.8
1993	1,106.7

TABLE 3. TRAIN ACCIDENT CAUSES

YEAR	HUMAN FACTORS	MECHANICAL & ELECTRICAL FAILURES	SIGNAL & TRACK DEFECTS	HIGHWAY-RAIL CROSSING IMPACTS³	OTHER	TOTAL TRAIN ACCIDENTS
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
1993	866	360	1,017	174	374	2,791

¹All figures are shown in thousands

²SOURCE: Association of American Railroads
1993 figures are preliminary

³All 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
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	213,941	4.26
1993	2,785	190,905,060	68,548	310,933	4.54

TABLE 5. TRAIN ACCIDENTS AND REPORTABLE DAMAGE BY TYPE

YEAR	TOTAL ACCIDENTS	TOTAL \$ DAMAGE	AVERAGE \$ DAMAGE	DAMAGE/MILL. TRAIN MILES	ACCIDENTS/ MILLION TRAIN MILES
COLLISIONS					
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
1993	205	26,151,800	127,570	42,594	0.33
DERAILMENTS					
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
1993	1,930	139,821,449	72,446	227,732	3.14
HIGHWAY-RAIL IMPACTS					
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
1993	174	10,255,804	58,941	16,704	0.28
OTHER					
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
1993	476	14,676,007	30,832	23,903	0.78

TABLE 6. TRAIN ACCIDENTS AND REPORTABLE DAMAGE BY CAUSE

YEAR	TOTAL ACCIDENTS	TOTAL \$ DAMAGE	AVERAGE \$ DAMAGE	DAMAGE/MILL. TRAIN MILES	ACCIDENTS/MILLION TRAIN MILES
HUMAN FACTORS					
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
1993	866	39,594,582	45,721	64,489	1.41
EQUIPMENT FAILURES					
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
1993	360	36,650,245	101,806	59,693	0.59
SIGNAL AND TRACK DEFECTS					
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
1993	1,017	58,091,658	57,121	94,616	1.66
HIGHWAY-RAIL IMPACTS					
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
1993	174	10,255,804	58,941	16,704	0.28
OTHER					
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
1993	374	44,684,945	119,478	72,780	0.61

TABLE 7. CASUALTIES IN ACCIDENTS/INCIDENTS

YEAR AND TYPE ACC/INC	DEATHS	INJURIES	TOTAL CASUALTIES	TOTAL ACCIDENTS/ INCIDENTS¹	CASUALTIES PER MILLION TRAIN MILES
TRAIN ACCIDENTS (EXCLUDING HIGHWAY-RAIL IMPACTS)					
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
1993	67	308	375	2,611	0.61
TRAIN INCIDENTS (EXCLUDING HIGHWAY-RAIL IMPACTS)					
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
1993	545	2,321	2,866	2,721	4.67
NONTRAIN INCIDENTS (EXCLUDING HIGHWAY-RAIL IMPACTS)					
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
1993	41	14,655	14,696	14,519	23.94
HIGHWAY-RAIL ACCIDENTS/INCIDENTS (EXCLUDED FROM ABOVE)					
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
1993	626	1,837	2,463	1,879	4.01
TOTAL ACCIDENTS/INCIDENTS					
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	37.99
1993	1,279	19,121	20,400	21,730	33.23

¹The 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 ACCIDENTS	TRAIN INCIDENTS	NONTRAIN INCIDENTS	HIGHWAY-RAIL CROSSING IMPACTS ²	TOTAL
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
1993	2,611	2,721	14,519	1,879	21,730

TABLE 9. CASUALTIES BY TYPE OF PERSON

YEAR	EMPLOYEES ON DUTY		EMPLOYEES NOT ON DUTY		PASSENGERS ON TRAIN		NON TRESPASSERS		TRESPASSERS		CONTRACTOR EMPLOYEES ³	
	KLD	INJ	KLD	INJ	KLD	INJ	KLD	INJ	KLD	INJ	KLD	INJ
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
1993	47	15,363	4	348	58	559	489	1,856	675	733	6	260

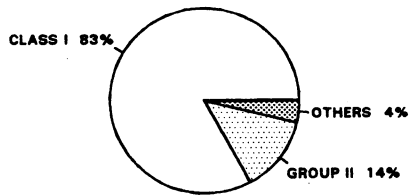
²Includes 174 train accidents and 1,705 other crossing incidents that resulted in a reportable casualty. There were 4,892 highway-rail accidents reported in 1993. Additional information on these can be found in the Highway-rail Crossing Accident/Incident and Inventory Bulletin.

³"Contractor employee" casualties appear separately in this table. In other tables they are included with "Nontrespassers". "Inj" columns include occupational illnesses.

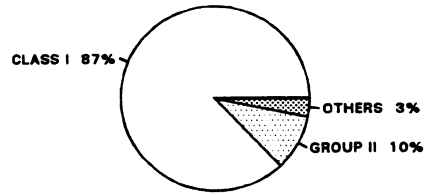
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A monthly report must be made even though no reportable events occurred during the month. Reports were received from 668 railroads for the year. A total of 402 railroads provided reports for specific accidents/incidents. Casualty reports were prepared by 364 railroads, highway-rail accident/incident reports by 230 railroads, and 176 railroads submitted reports of train accidents.

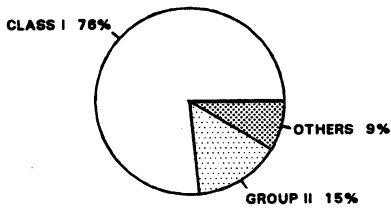
FIGURE 16 - 1993 STATISTICS By Type Of Railroad



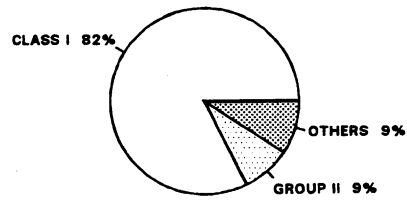
TOTAL EMPLOYEE HOURS



TOTAL TRAIN MILES



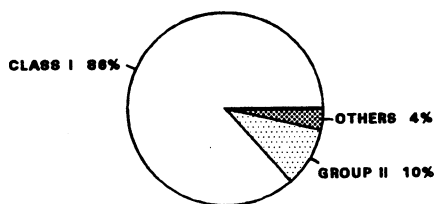
TOTAL TRAIN ACCIDENTS



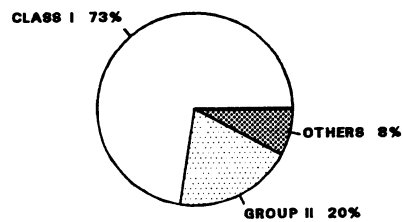
*** HIGHWAY-RAIL CROSSINGS**

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.

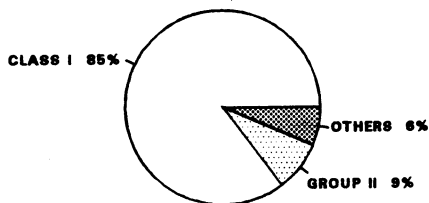
FIGURE 17 - FATALITIES AND INJURIES, 1993 By Type Of Railroad



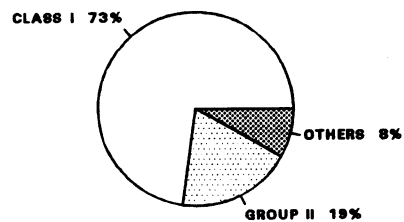
ALL FATALITIES



ALL NONFATALS



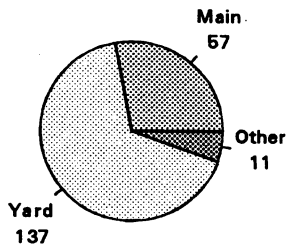
EMPLOYEES ON DUTY FATALITIES



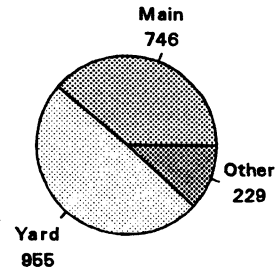
EMPLOYEES ON DUTY NONFATALS

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

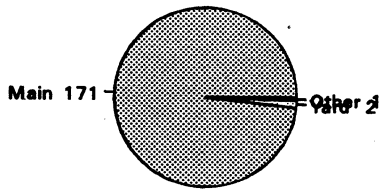
**FIGURE 18 - TRAIN ACCIDENTS BY TYPE
And Track Classification, 1993**



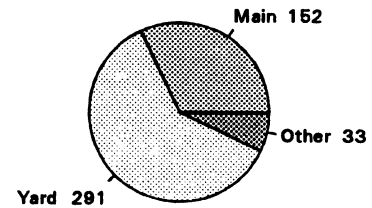
COLLISIONS



DERAILMENTS

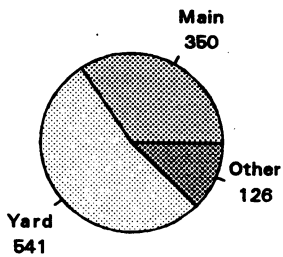


HIGHWAY-RAIL

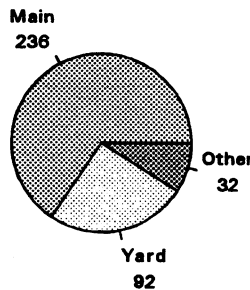


OTHER ACCIDENT TYPES

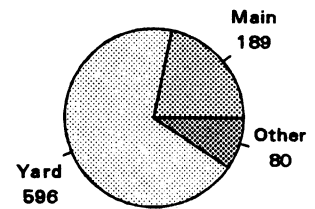
**FIGURE 19 - TRAIN ACCIDENTS BY CAUSE
And Track Classification, 1993**



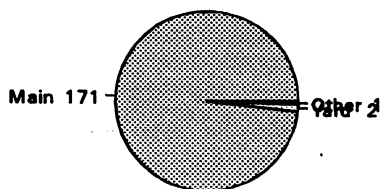
TRACK



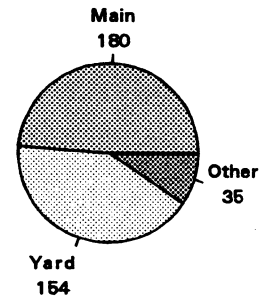
EQUIPMENT



HUMAN FACTORS

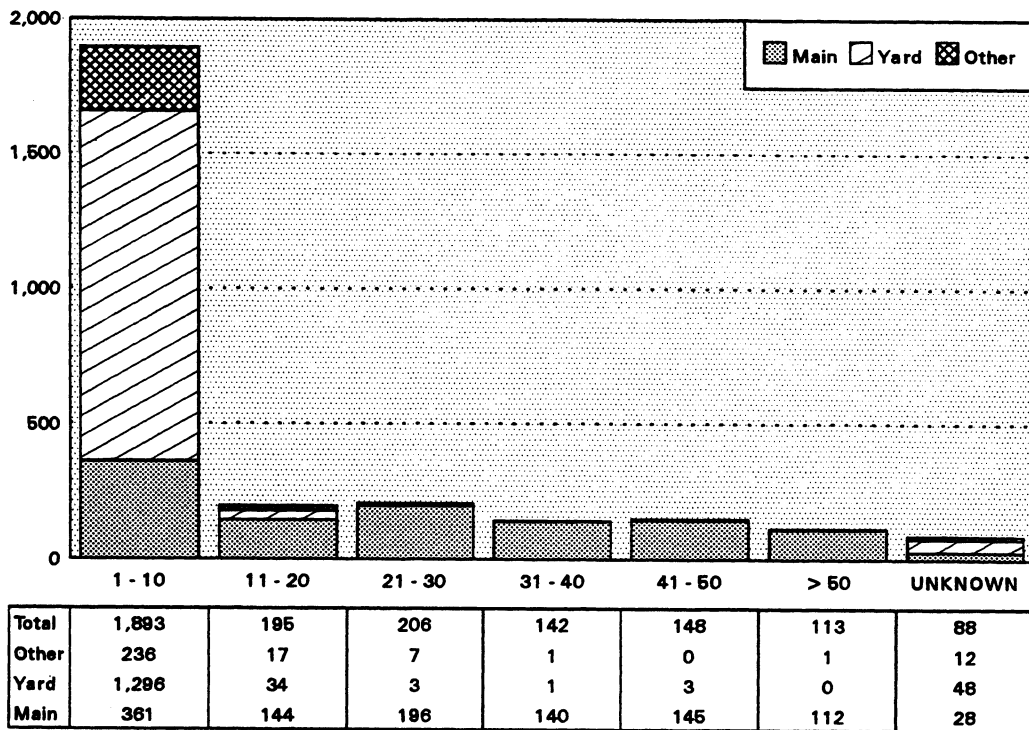


HIGHWAY-RAIL

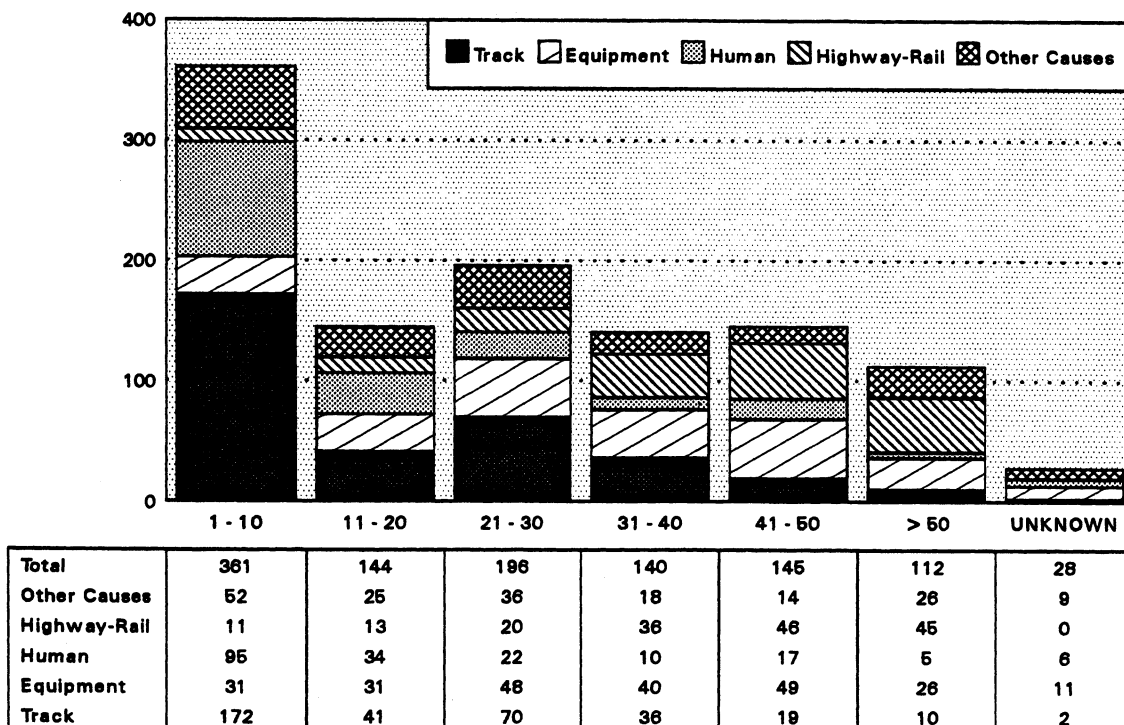


OTHER CAUSES

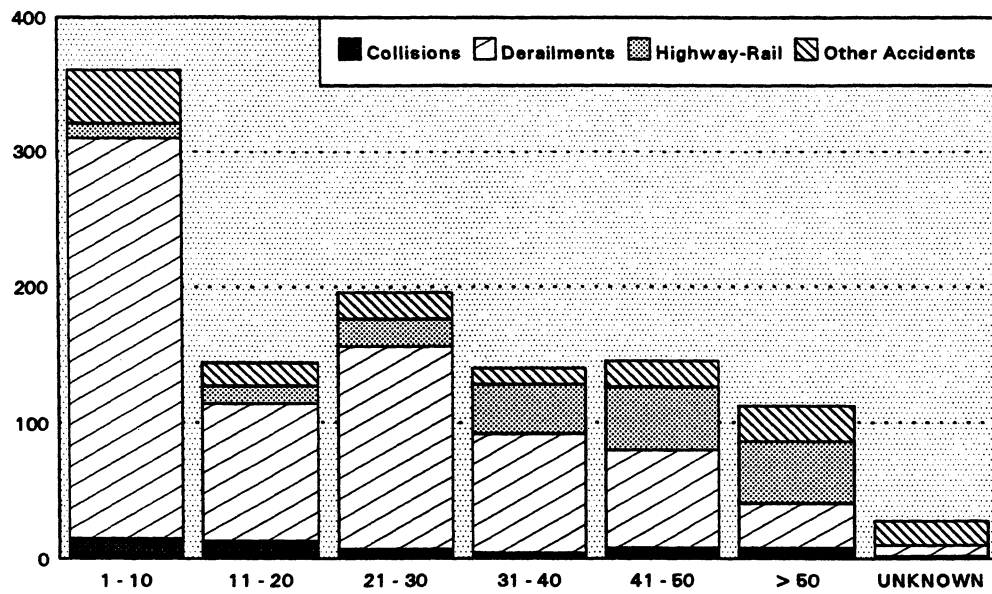
**FIGURE 20 - TRAIN ACCIDENTS BY TRACK CLASSIFICATION
And Consist Speed, 1993**



**FIGURE 21 - ACCIDENTS ON MAIN LINE TRACK
By Cause And Speed, 1993**

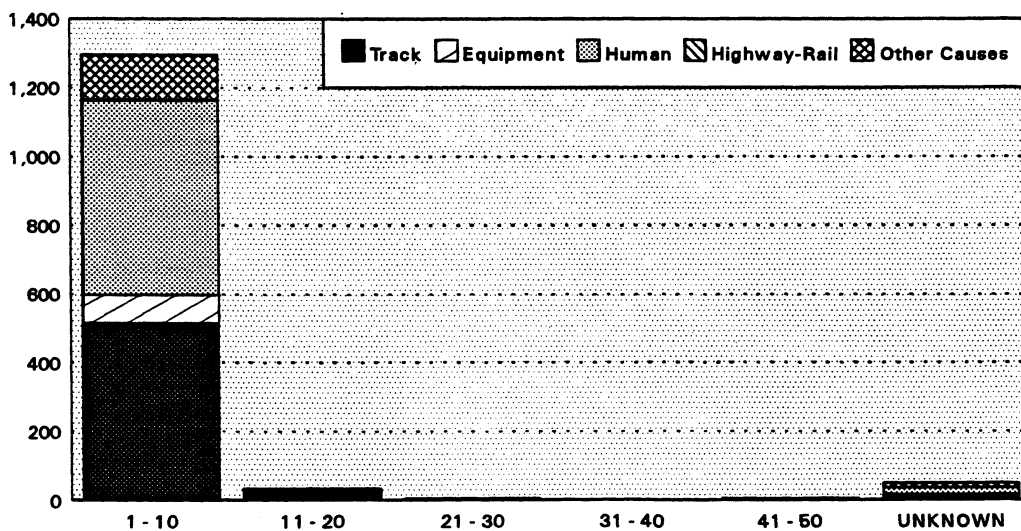


**FIGURE 22 - ACCIDENTS ON MAIN LINE TRACK
By Type Accident And Speed, 1993**



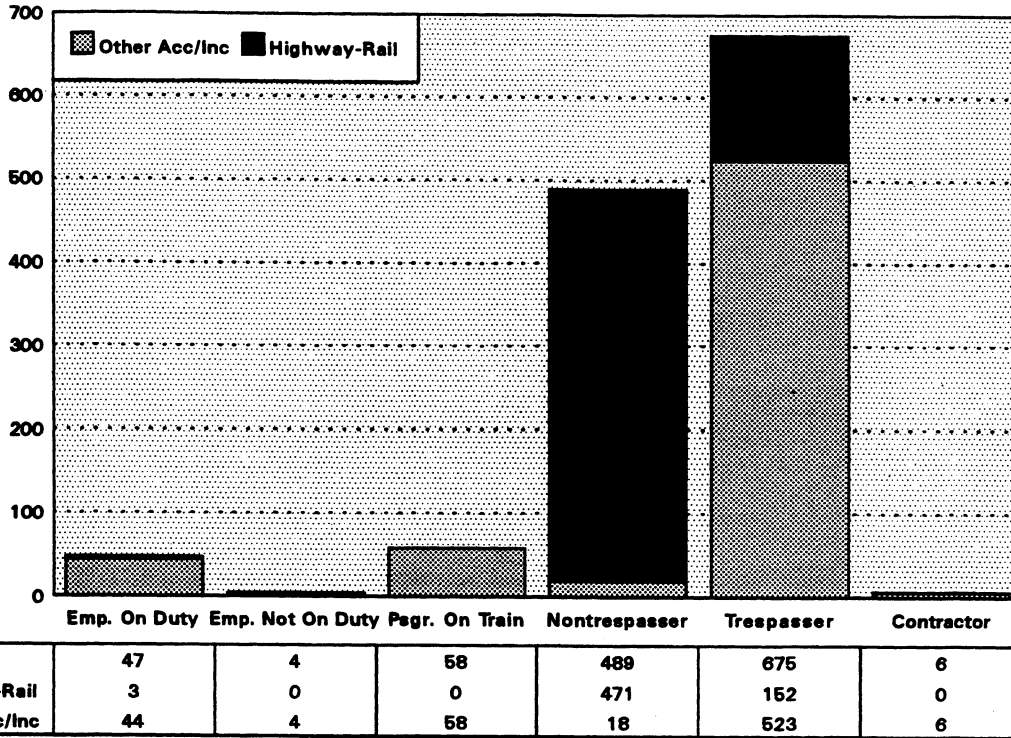
Other Accidents	40	17	20	12	19	26	18
Highway-Rail	11	13	20	36	46	45	0
Derailments	295	101	149	88	72	33	8
Collisions	15	13	7	4	8	8	2

**FIGURE 23 - ACCIDENTS ON YARD TRACK
By Cause, 1993**



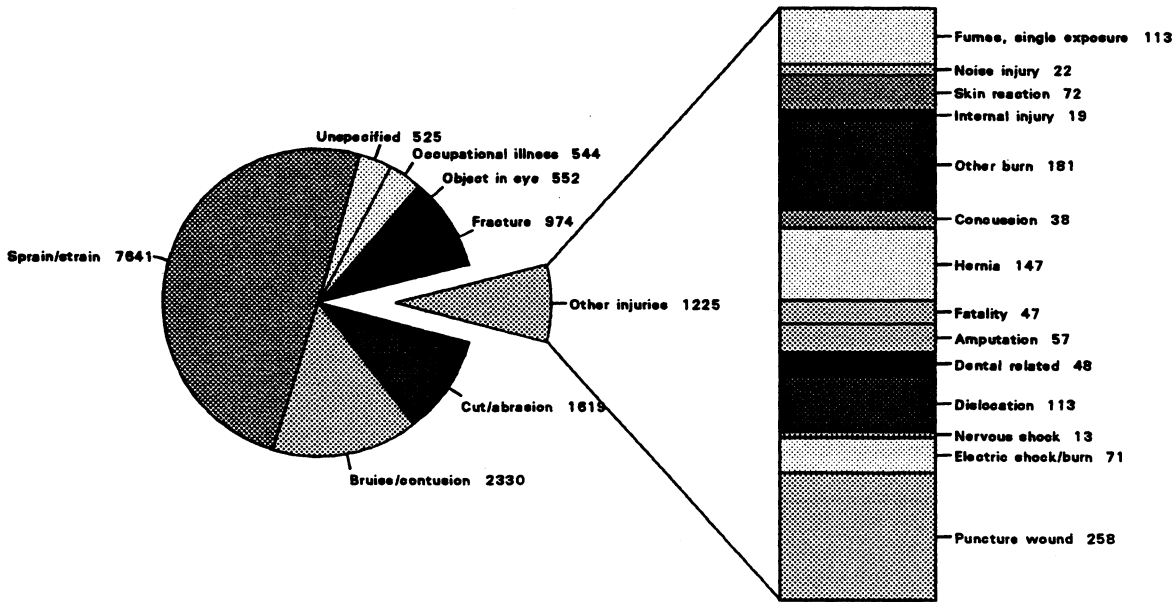
Total	1,296	34	3	1	3	48
Other Causes	131	6	0	1	2	14
Highway-Rail	2	0	0	0	0	0
Human	565	10	2	0	0	18
Equipment	83	5	0	0	1	3
Track	515	13	1	0	0	12

FIGURE 24 - FATALITIES BY TYPE PERSON, 1993



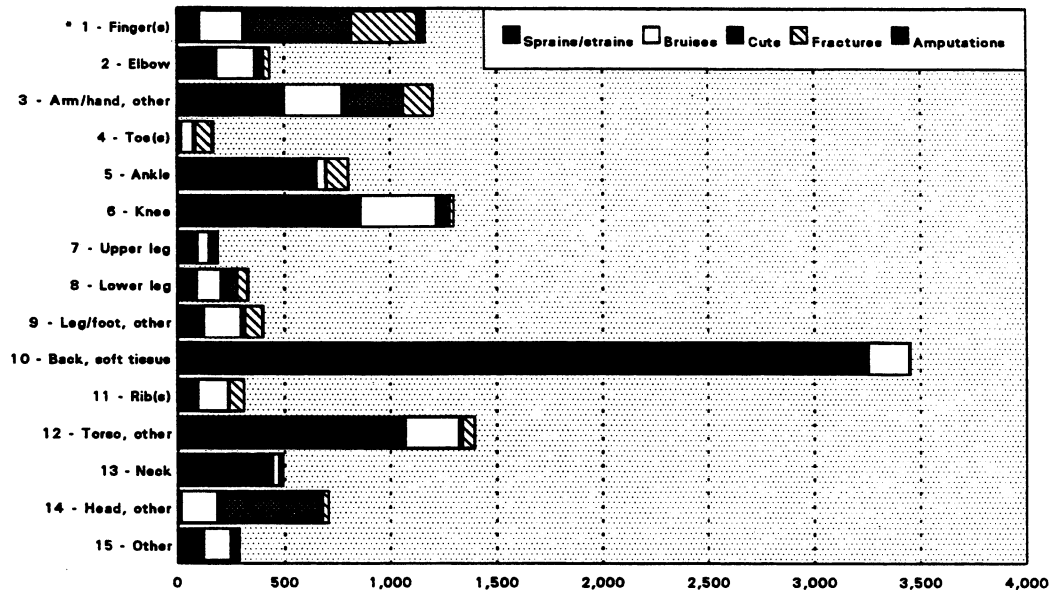
Pgr. - Passenger on train; Emp. - Employee

**FIGURE 25 - EMPLOYEE ON DUTY CASES, 1993
All Accidents/Incidents**



A case is a fatality, injury, or occupational illness

FIGURE 26 - SELECTED EMPLOYEE ON DUTY INJURIES, 1993



Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Amputations	36	0	1	6	0	0	2	6	6	0	0	0	0	0	0
Fractures	313	31	138	78	103	18	6	48	79	0	87	57	4	29	5
Cuts	511	41	289	11	5	61	33	76	22	5	5	17	15	493	35
Bruises	199	173	272	57	40	357	54	110	167	193	138	251	28	168	123
Sprains/strains	107	186	502	18	654	861	93	91	125	3,252	97	1,072	445	16	122

The listed injuries represent 85.2% of all reported injuries to employees on duty.

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FIGURE 27 - TRAIN ACCIDENTS, 1993

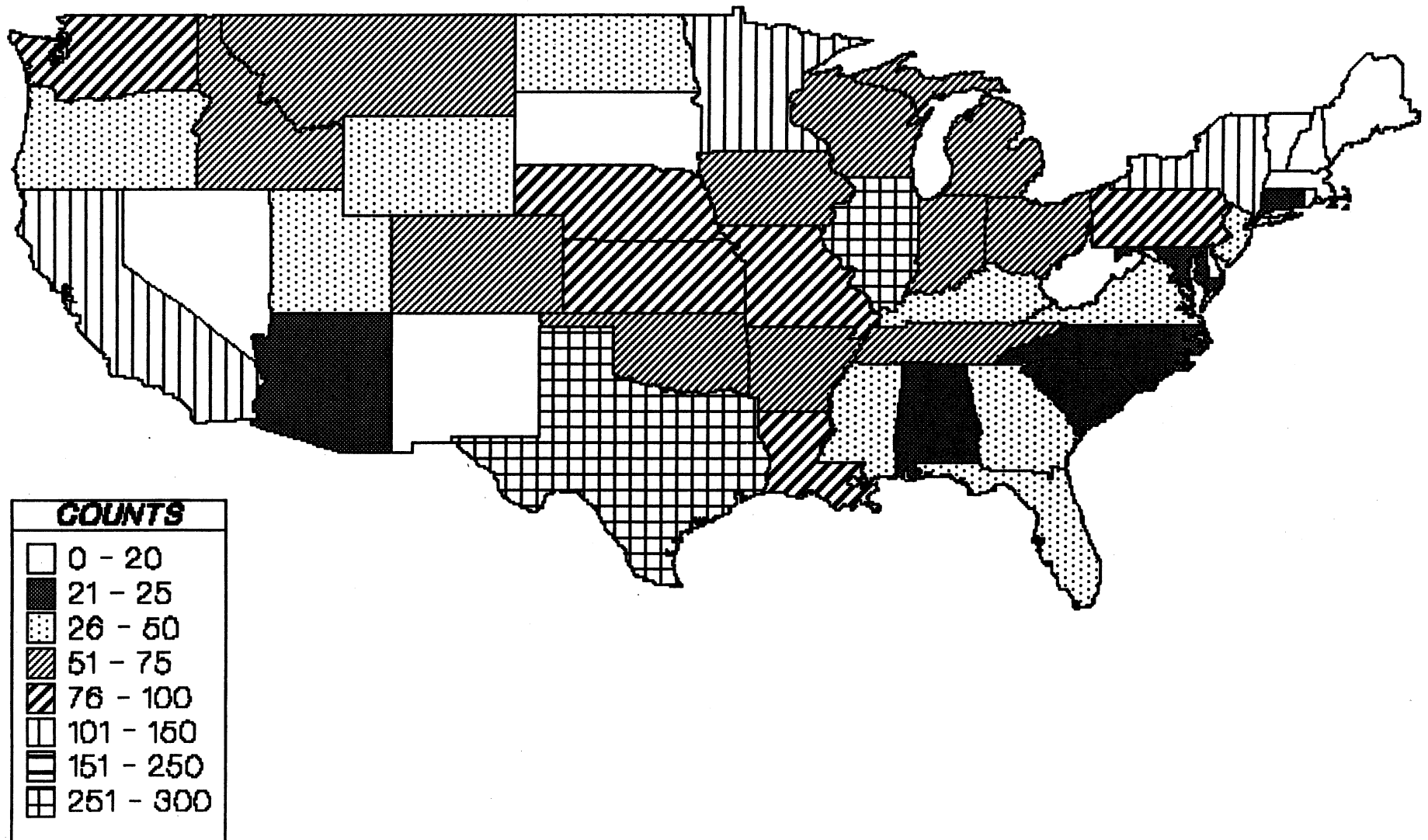


FIGURE 28 - TRAIN ACCIDENTS ON MAIN LINE TRACK, 1993

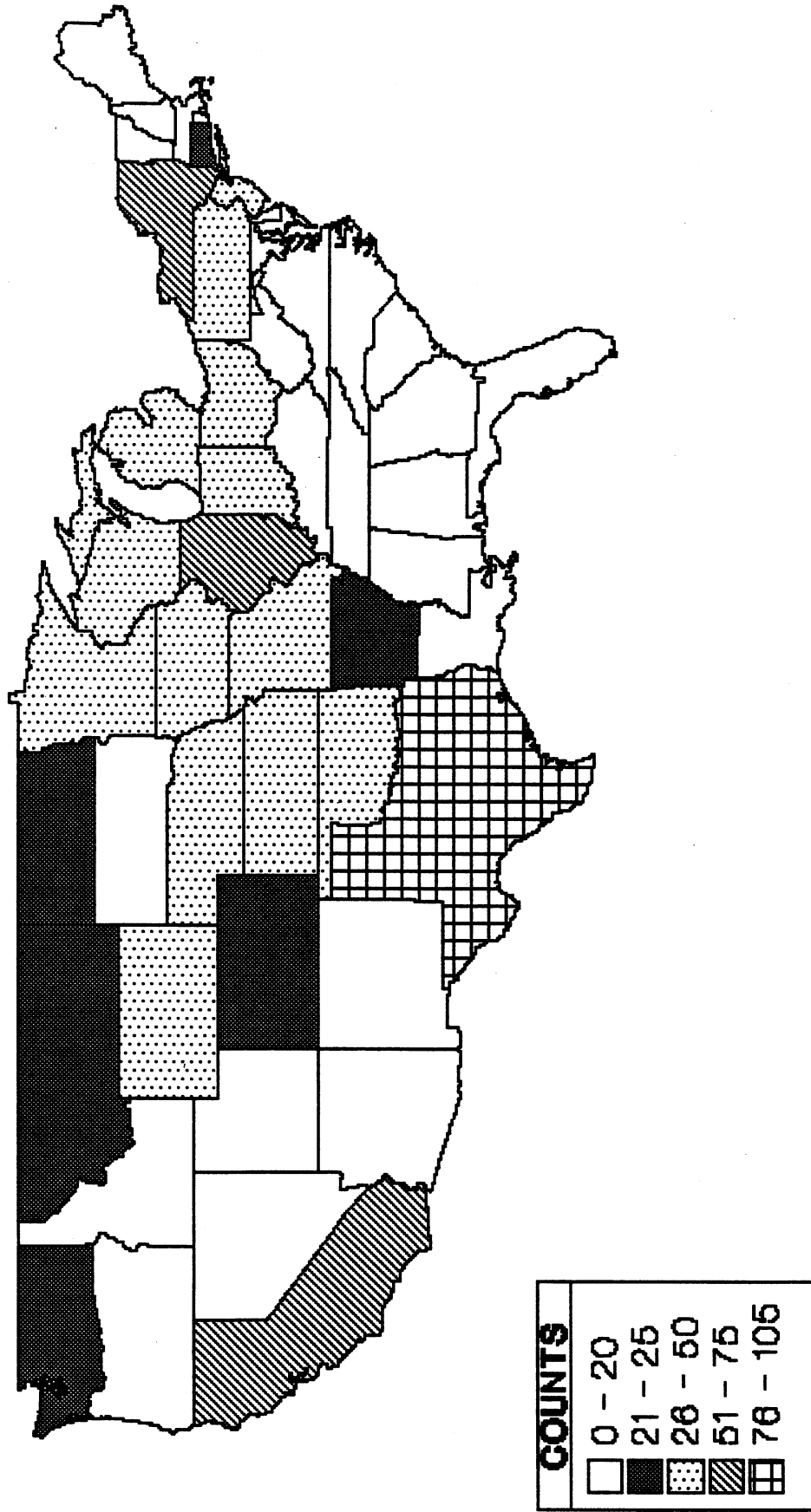
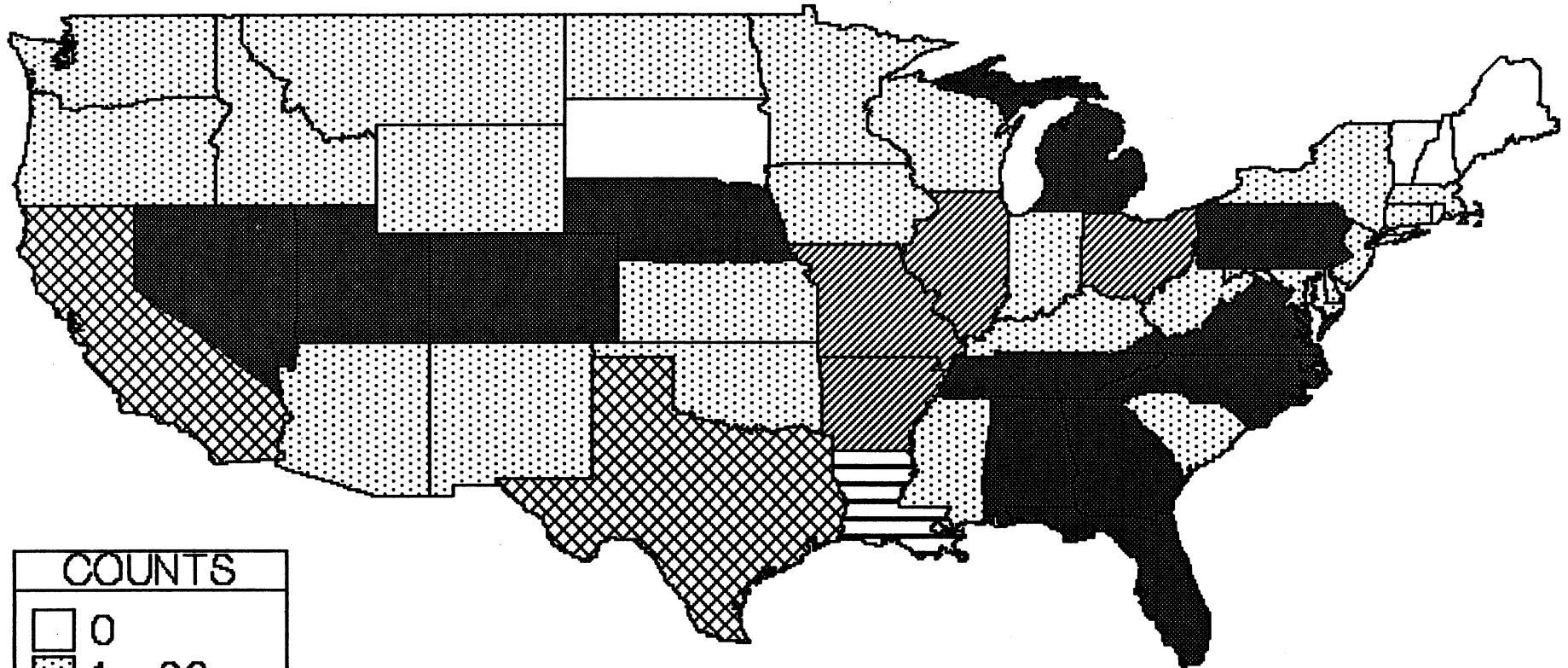


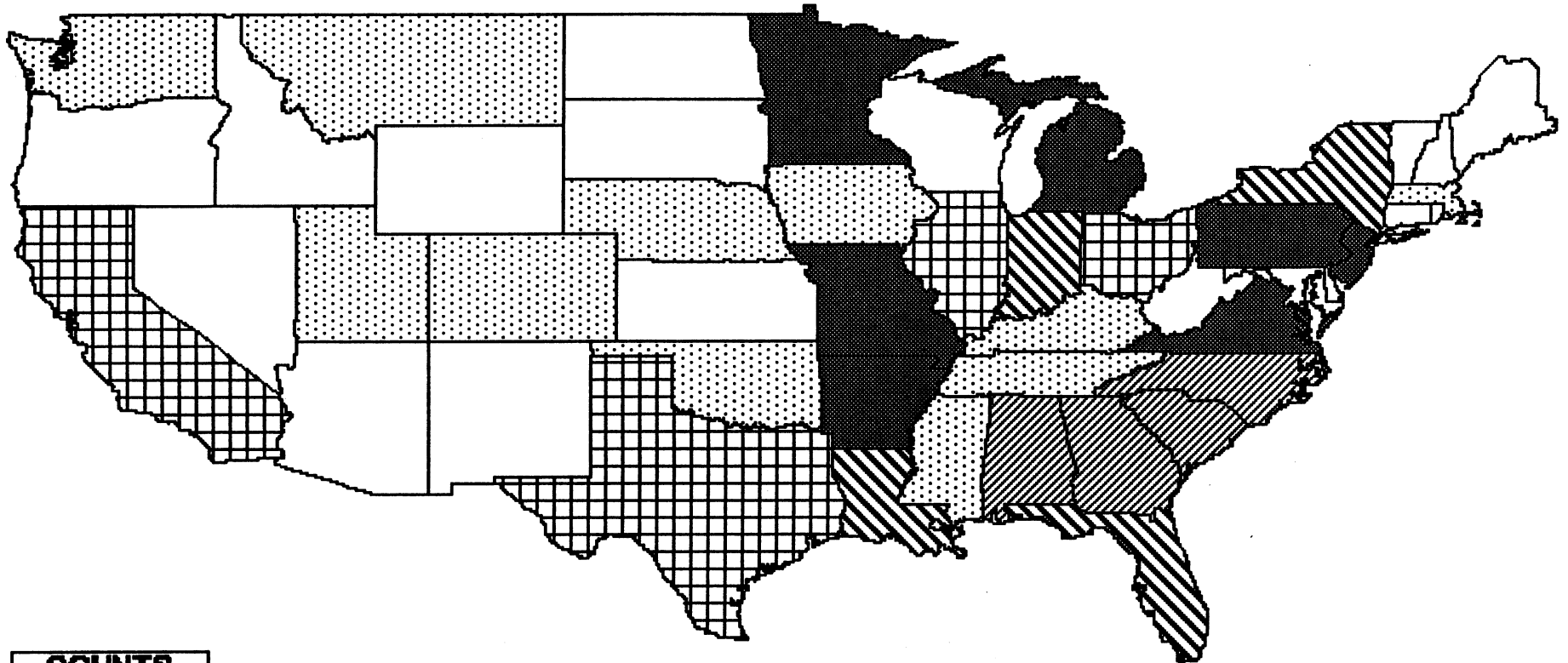
FIGURE 29 - HAZARDOUS MATERIAL RELEASES, 1993



COUNTS	
□	0
▤	1 - 20
■	21 - 40
▨	41 - 60
▬	61 - 100
▩	101 - 150

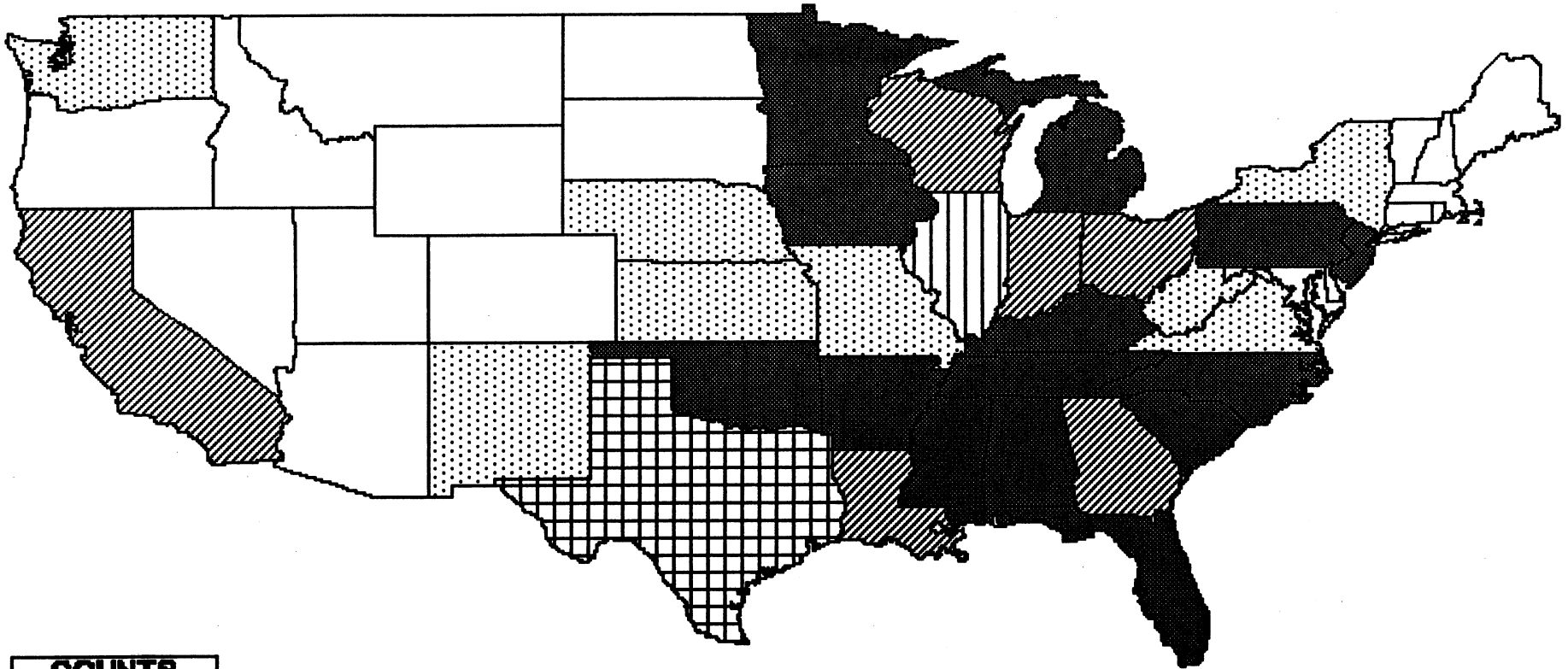
SOURCE: INFORMATION PROVIDED BY
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION

FIGURE 30 - TRESPASSERS AND NON TRESPASSERS FATALITIES CAUSED BY MOVING ON-TRACK EQUIPMENT, 1993



COUNTS	
□	0 - 10
▣	11 - 20
■	21 - 30
▨	31 - 40
▧	41 - 60
▩	61 - 140

**FIGURE 31 - TRESPASSER AND NON TRESPASSER INJURIES
CAUSED BY MOVING ON-TRACK EQUIPMENT, 1993**



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

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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
ACCIDENTS ON MAIN LINE TRACK											
UNKNOWN	28	1,147,170	1,009,595	137,575	2	8	18	2	11	6	9
1-10	361	15,636,555	8,443,651	7,192,904	15	295	51	172	31	95	63
11-20	144	11,401,687	7,413,325	3,988,362	13	101	30	41	31	34	38
21-30	196	32,792,559	25,082,276	7,710,283	7	149	40	70	48	23	55
31-40	140	33,621,503	25,354,702	8,266,801	4	88	48	36	40	10	54
41-50	145	25,323,823	19,315,809	6,008,014	8	72	65	19	49	17	60
51-60	67	11,846,630	8,310,414	3,536,216	5	25	37	10	18	4	35
61-70	20	12,462,215	10,690,827	1,771,388	0	7	13	0	5	1	14
71-80	18	3,249,432	3,082,140	167,292	0	1	17	0	1	0	17
81-90	3	55,500	55,500	0	1	0	2	0	0	0	3
>=91	4	115,918	103,216	12,702	2	0	2	0	2	0	2
TOTAL	1,126	147,652,992	108,861,455	38,791,537	57	746	323	350	236	190	350
ACCIDENTS ON YARD TRACK											
UNKNOWN	48	2,087,880	1,954,899	132,981	5	20	23	12	3	19	14
1-10	1,296	29,843,245	21,624,612	8,218,633	129	906	261	515	83	565	133
11-20	34	1,806,937	1,238,820	568,117	3	26	5	13	5	10	6
21-30	3	58,000	38,000	20,000	0	1	2	1	0	2	0
31-40	1	11,000	11,000	0	0	0	1	0	0	0	1
41-50	3	301,930	97,100	204,830	0	2	1	0	1	0	2
TOTAL	1,385	34,108,992	24,964,431	9,144,561	137	955	293	541	92	596	156
ACCIDENTS ON INDUSTRY, SIDING OR UNKNOWN TRACK TYPE											
UNKNOWN	12	413,855	346,500	67,355	0	9	3	1	0	4	7
1-10	236	5,437,004	3,625,078	1,811,926	9	199	28	117	23	71	25
11-20	17	1,171,838	739,601	432,237	1	14	2	5	5	4	3
21-30	7	491,354	354,700	136,654	0	7	0	3	3	0	1
31-40	1	1,538,061	1,471,061	67,000	1	0	0	0	0	1	0
51-60	1	90,964	85,300	5,664	0	0	1	0	1	0	0
TOTAL	274	9,143,076	6,622,240	2,520,836	11	229	34	126	32	80	36
FINAL	2,785	190,905,060	140,448,126	50,456,934	205	1,930	650	1,017	360	866	542

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
?	56	1,121,594	801,179	320,415	4	40	12	21	5	24	6
X	92	2,064,548	1,537,033	527,515	3	80	9	50	8	23	11
1	1,413	37,352,236	27,443,983	9,908,253	128	1,024	261	565	97	580	171
2	449	27,732,229	18,865,690	8,866,539	26	348	75	217	43	106	83
3	308	36,621,690	27,072,173	9,549,517	16	193	99	90	79	52	87
4	376	76,010,141	57,845,067	18,165,074	15	209	152	68	99	68	141
5	80	9,707,713	6,689,644	3,018,069	8	34	38	5	25	12	38
6	11	294,909	193,357	101,552	5	2	4	1	4	1	5
Total	2,785	190,905,060	140,448,126	50,456,934	205	1,930	650	1,017	360	866	542

TABLE 12. SUMMARY OF REPORTABLE DAMAGE

Type of Accident	...Track Caused...		.Equipment Caused.		...Human Factors...		...Other Causes...		.....Total Damage.....	
	Trk Dmg	Ecp Dmg	Trk Dmg	Ecp Dmg	Trk Dmg	Ecp Dmg	Trk Dmg	Ecp Dmg	Trk Dmg	Ecp Dmg
Derailment	15,704,740	39,743,117	13,912,746	16,452,913	7,741,551	12,923,829	7,506,416	25,836,137	44,865,453	94,955,996
Head on collision	---	---	133,865	2,509,500	74,000	3,036,686	392,253	6,512,080	600,118	12,058,266
Rear end collision	---	---	---	---	313,400	2,940,712	90,000	1,852,600	403,400	4,793,312
Side collision	56,920	348,365	25,196	154,089	321,266	4,481,505	64,450	946,978	467,832	5,930,937
Raking collision	8,000	68,100	87,547	99,719	13,551	504,564	38,316	192,372	147,414	864,755
Broken trn collisin	5,937	33,640	---	10,762	500	43,500	---	---	6,437	87,902
Hwy-rail crossing	---	---	---	---	14,000	100	1,626,491	8,615,213	1,640,491	8,615,313
RR grade crossing	---	---	---	---	44,427	747,000	---	---	44,427	747,000
Obstruction	16,000	492,948	6,670	29,500	67,500	1,165,607	77,244	928,708	167,414	2,616,763
Explosion-detonatin	---	---	---	---	---	---	---	---	---	---
Fire/violent ruptre	107,900	10,000	10,000	1,645,450	15,000	3,600	20,000	446,949	152,900	2,105,999
Other	475,458	1,020,533	559,888	1,012,400	599,993	4,542,291	325,709	1,096,659	1,961,048	7,671,883
TOTAL.....	16,374,955	41,716,703	14,735,912	21,914,333	9,205,188	30,389,394	10,140,879	46,427,696	50,456,934	140,448,126

TABLE 13. CASUALTIES BY TYPE OF PERSON

	Employees On Duty	Employees Not On Duty	Passengers On Trains	Non- trespassers	Trespassers	Contractor Employees	Total
TRAIN ACCIDENTS							
Fatalities.....	13	2	49	---	3	---	67
Injuries.....	151	13	124	11	3	---	302
Occupational illnesses...	6	---	---	---	---	---	6
Total casualties.....	170	15	173	11	6	---	375
TRAIN INCIDENTS							
Fatalities.....	19	1	8	12	501	4	545
Injuries.....	1,644	17	111	37	462	13	2,284
Occupational illnesses...	31	6	---	---	---	---	37
Total casualties.....	1,694	24	119	49	963	17	2,866
NONTRAIN INCIDENTS							
Fatalities.....	12	1	1	6	19	2	41
Injuries.....	12,895	310	280	384	44	246	14,159
Occupational illnesses...	493	1	---	---	---	2	496
Total casualties.....	13,400	312	281	390	63	250	14,696
HIGHWAY-RAIL CROSSING ACCIDENTS/INCIDENTS							
Fatalities.....	3	---	---	471	152	---	626
Injuries.....	129	1	44	1,424	224	1	1,823
Occupational illnesses...	14	---	---	---	---	---	14
Total casualties.....	146	1	44	1,895	376	1	2,463
GRAND TOTAL							
Fatalities.....	47	4	58	489	675	6	1,279
Injuries.....	14,819	341	559	1,856	733	260	18,568
Occupational illnesses...	544	7	---	---	---	2	553
Total casualties.....	15,410	352	617	2,345	1,408	268	20,400

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. FATALITIES IN ACCIDENTS/INCIDENTS, BY TYPE PERSON AND OCCURRENCE, 1993

Type of Accident/Incident	Total Killed	..Employees On Duty..		Emp Not	Passen-	Montres-	Tres-	Contract
		Trainmen	Other	Total On Duty	gers	passers	passers	Workers
TRAIN ACCIDENTS								
Collisions.....	14	7	0	7	0	7	0	0
Derailments.....	53	5	1	6	2	42	0	3
Rail-highway Crossing.....	58	1	0	1	0	0	42	15
Miscellaneous.....	0	0	0	0	0	0	0	0
Total.....	125	13	1	14	2	49	42	18
TRAIN INCIDENTS								
Coupling and uncoupling locomotives or cars.	1	1	0	1	0	0	0	0
Coupling/uncoupling air/steam hose, chains..	0	0	0	0	0	0	0	0
Operating or on locomotives.....	1	1	0	1	0	0	0	0
Operating rail motorcars.....	1	0	0	0	0	0	0	1
Operating had brakes.....	0	0	0	0	0	0	0	0
Operating switches or derails.....	0	0	0	0	0	0	0	0
Contacting fixed objects while on locs/cars.	1	1	0	1	0	0	0	0
Getting on or off cars or locomotives.....	12	5	0	5	0	1	0	6
Collisions, derailments, etc. (<=\$6,300.00).	16	0	0	0	0	0	0	16
Rail-highway crossing accidents/incidents...	558	2	0	2	0	0	422	134
Struck by/ran into loc/car(not hwy-rr x-ing)	493	4	3	7	1	0	12	470
Servicing or maintenance of equipment.....	0	0	0	0	0	0	0	0
Maintenance of way and structures.....	2	0	2	2	0	0	0	0
Freight, baggage, express or mail.....	0	0	0	0	0	0	0	0
Windows, doors, etc., on on-track equipment.	0	0	0	0	0	0	0	0
Passenger car doors.....	0	0	0	0	0	0	0	0
Stumbling, slipping, falling, caught, N.O.C.	3	1	0	1	0	0	0	2
Flying or falling objects, burns,etc.,N.O.C.	1	0	0	0	0	0	0	1
Operation of on-track work equipment.....	0	0	0	0	0	0	0	0
Assault.....	6	0	0	0	0	6	0	0
Other occurrences.....	8	1	0	1	0	1	0	6
Total.....	1,103	16	5	21	1	8	434	635
NONTRAIN INCIDENTS								
Coupling and uncoupling locomotives or cars.	1	1	0	1	0	0	0	0
Coupling/uncoupling air/steam hose, chains..	0	0	0	0	0	0	0	0
Operating or on locomotives.....	0	0	0	0	0	0	0	0
Operating rail motorcars.....	0	0	0	0	0	0	0	0
Operating had brakes.....	0	0	0	0	0	0	0	0
Operating switches or derails.....	0	0	0	0	0	0	0	0
Contacting fixed objects while on locs/cars.	0	0	0	0	0	0	0	0
Getting on or off cars or locomotives.....	0	0	0	0	0	0	0	0
Rail-highway crossing accidents/incidents...	10	0	0	0	0	0	7	3
Struck by/ran into loc/car(not hwy-rr x-ing)	10	0	2	2	0	0	2	6
Servicing or maintenance of equipment.....	2	0	2	2	0	0	0	0
Maintenance of way and structures.....	3	0	3	3	0	0	0	0
Freight, baggage, express or mail.....	0	0	0	0	0	0	0	0
Windows, doors, etc., on on-track equipment.	0	0	0	0	0	0	0	0
Passenger car doors.....	0	0	0	0	0	0	0	0
Stumbling, slipping, falling, caught, N.O.C.	6	0	0	0	0	0	2	3
Flying or falling objects, burns,etc.,N.O.C.	1	0	0	0	0	0	0	1
Operation of on-track work equipment.....	0	0	0	0	0	0	0	0
Assault.....	2	0	1	1	0	0	1	0
Other occurrences.....	16	1	2	3	1	1	1	9
Total.....	51	2	10	12	1	1	13	22
Grand Total.....	1,279	31	16	47	4	58	489	675

TABLE 15. INJURIES IN ACCIDENTS/INCIDENTS, BY TYPE PERSON AND OCCURRENCE, 1993

Type of Accident/Incident	Total Injured	..Employees On Duty..		Emp Not On Duty	Passengers	Montres-passers	Tres-passers	Contract Workers	
		Trainmen	Other						
TRAIN ACCIDENTS									
Collisions.....	87	58	3	61	0	26	0	0	0
Derailments.....	179	45	13	58	13	98	10	0	0
Rail-highway Crossing.....	178	64	17	81	0	41	47	9	0
Miscellaneous.....	42	28	10	38	0	0	1	3	0
Total.....	486	195	43	238	13	165	58	12	0
TRAIN INCIDENTS									
Coupling and uncoupling locomotives or cars.	136	129	7	136	0	0	0	0	0
Coupling/uncoupling air/steam hose, chains..	22	21	1	22	0	0	0	0	0
Operating or on locomtives.....	439	422	16	438	1	0	0	0	0
Operating rail motorcars.....	18	9	9	18	0	0	0	0	0
Operating had brakes.....	42	42	0	42	0	0	0	0	0
Operating switches or derails.....	15	9	6	15	0	0	0	0	0
Contacting fixed objects while on locs/cars.	45	44	1	45	0	0	0	0	0
Getting on or off cars or locomotives.....	319	241	7	248	1	24	2	44	0
Collisions, derailments, etc, (<=\$6,300.00).	91	57	14	71	1	4	4	10	1
Rail-highway crossing accidents/incidents...	1,620	50	12	62	1	3	1,343	210	1
Struck by/ran into loc/car(not hwy-rr x-ing)	407	18	2	20	1	0	15	365	6
Servicing or maintenance of equipment.....	52	2	49	51	1	0	0	0	0
Maintenance of way and structures.....	56	0	56	56	0	0	0	0	0
Freight, baggage, express or mail.....	5	3	2	5	0	0	0	0	0
Windows, doors, etc., on on-track equipment.	84	48	19	67	3	12	0	2	0
Passenger car doors.....	2	1	0	1	0	1	0	0	0
Stumbling, slipping, falling, caught, N.O.C.	140	80	20	100	0	21	3	15	1
Flying or falling objects, burns,etc.,N.O.C.	89	60	16	76	6	2	3	2	0
Operation of on-track work equipment.....	64	1	59	60	0	0	0	3	1
Assault.....	73	42	5	47	0	26	0	0	0
Other occurrences.....	222	106	51	157	9	21	10	21	4
Total.....	3,941	1,385	352	1,737	24	114	1,380	672	14
NONTRAIN INCIDENTS									
Coupling and uncoupling locomotives or cars.	331	316	15	331	0	0	0	0	0
Coupling/uncoupling air/steam hose, chains..	216	169	44	213	0	0	0	0	3
Operating or on locomtives.....	433	382	50	432	1	0	0	0	0
Operating rail motorcars.....	19	4	14	18	0	0	0	0	1
Operating had brakes.....	311	284	27	311	0	0	0	0	0
Operating switches or derails.....	755	671	84	755	0	0	0	0	0
Contacting fixed objects while on locs/cars.	14	11	3	14	0	0	0	0	0
Getting on or off cars or locomotives.....	799	508	149	657	12	120	6	1	3
Rail-highway crossing accidents/incidents...	39	0	0	0	0	0	34	5	0
Struck by/ran into loc/car(not hwy-rr x-ing)	16	4	4	8	0	0	2	4	2
Servicing or maintenance of equipment.....	2,915	76	2,798	2,874	22	0	0	0	19
Maintenance of way and structures.....	3,781	31	3,692	3,723	25	0	0	0	33
Freight, baggage, express or mail.....	94	27	61	88	1	0	3	0	2
Windows, doors, etc., on on-track equipment.	303	142	140	282	1	10	1	1	8
Passenger car doors.....	19	1	2	3	0	16	0	0	0
Stumbling, slipping, falling, caught, N.O.C.	1,976	760	696	1,456	136	92	221	16	55
Flying or falling objects, burns,etc.,N.O.C.	390	146	168	314	17	9	23	4	23
Operation of on-track work equipment.....	61	3	58	61	0	0	0	0	0
Assault.....	142	37	80	117	7	2	13	1	2
Other occurrences.....	2,080	466	1,265	1,731	89	31	115	17	97
Total.....	14,694	4,038	9,350	13,388	311	280	418	49	248
Grand Total.....	19,121	5,618	9,745	15,363	348	559	1,856	733	262

TABLE 16. TOTAL ACCIDENTS/INCIDENTS, 1993

Type Of Accident/Incident	.....Accidents/Incidents.....		
	Total	Fatal	Nonfatal
TRAIN ACCIDENTS *			
Collisions.....	205	5	25
Derailments.....	1,930	6	32
Highway-rail crossing.....	174	43	67
Miscellaneous.....	476	---	27
Total.....	2,785	54	151
TRAIN INCIDENTS			
Coupling and uncoupling locomotives or cars.....	137	1	136
Coupling/uncoupling air/steam hose, safety chains.	22	---	22
Operating or on locomotives.....	420	1	419
Operating rail motorcars.....	18	1	17
Operating hand brakes.....	42	---	42
Operating switches or derails.....	11	---	11
Contacting fixed objects while on locos or cars..	45	1	44
Getting on or off cars or locomotives.....	325	12	313
Collisions, derailments, etc. (below \$ threshold)	89	16	73
Highway-rail crossing accidents/incidents.....	1,668	473	1,195
Struck by/ran into loco/car(not at hwy-rr x-ing).	861	482	379
Servicing or maintenance of equipment.....	50	---	50
Maintenance of way and structures.....	57	2	55
Freight, baggage, express or mail.....	5	---	5
Windows, doors, etc., on on-track equipment.....	83	---	83
Passenger car doors.....	2	---	2
Stumbling, slipping, falling, caught, N.O.C.....	142	3	139
Flying or falling objects, burns, etc., N.O.C....	85	1	84
Operation of on-track work equipment.....	58	---	58
Assault.....	46	1	45
Other occurrences.....	223	8	215
Total.....	4,389	1,002	3,387
NONTRAIN INCIDENTS			
Coupling and uncoupling locomotives or cars.....	330	1	329
Coupling/uncoupling air/steam hose, safety chains.	216	---	216
Operating or on locomotives.....	423	---	423
Operating rail motorcars.....	19	---	19
Operating hand brakes.....	309	---	309
Operating switches or derails.....	753	---	753
Contacting fixed objects while on locos or cars..	14	---	14
Getting on or off cars or locomotives.....	794	---	794
Collisions, derailments, etc. (below \$ threshold)	---	---	---
Highway-rail crossing accidents/incidents.....	37	10	27
Struck by/ran into loco/car(not at hwy-rr x-ing).	25	10	15
Servicing or maintenance of equipment.....	2,906	2	2,904
Maintenance of way and structures.....	3,764	3	3,761
Freight, baggage, express or mail.....	94	---	94
Windows, doors, etc., on on-track equipment.....	303	---	303
Passenger car doors.....	19	---	19
Stumbling, slipping, falling, caught, N.O.C.....	1,966	6	1,960
Flying or falling objects, burns, etc., N.O.C....	371	1	370
Operation of on-track work equipment.....	61	---	61
Assault.....	142	2	140
Other occurrences.....	2,010	16	1,994
Total.....	14,556	51	14,505
Grand total.....	21,730	1,107	18,043

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.

TABLE 17. SUMMARY OF TRAIN ACCIDENTS AND MILEAGE BY MONTH, 1993

Month	Accs	Accs Per MTM	Total Damage	Damage Per MTM	Train Miles			
					Locomotive	Motor	Yard Switching	Total
January	216	4.39	15,541,353	\$315,541.25	39,937,659	2,338,116	6,977,291	49,253,066
February	194	4.12	12,939,773	\$275,045.13	38,173,081	2,200,575	6,672,107	47,045,763
March	231	4.34	17,804,303	\$334,221.30	43,322,298	2,490,374	7,457,899	53,270,571
April	248	4.83	13,384,517	\$260,551.24	41,944,637	2,402,503	7,022,387	51,369,527
May	225	4.32	16,328,157	\$313,135.87	42,583,534	2,272,628	7,288,268	52,144,430
June	249	4.91	13,199,441	\$260,236.21	41,073,392	2,345,990	7,301,417	50,720,799
July	244	4.96	13,847,885	\$281,638.53	39,748,314	2,361,159	7,059,870	49,169,343
August	268	5.20	18,179,176	\$352,603.45	41,792,187	2,405,000	7,359,737	51,556,924
September	226	4.40	24,796,311	\$482,578.11	41,833,618	2,197,669	7,351,327	51,382,614
October	245	4.48	13,998,253	\$255,993.80	44,537,893	2,438,615	7,705,033	54,681,541
November	208	4.04	18,271,140	\$354,889.67	41,513,192	2,413,080	7,557,689	51,483,961
December	231	4.45	12,614,751	\$243,082.20	41,973,065	2,553,636	7,368,731	51,895,432
Total...	2,785	4.54	190,905,060	\$310,933.46	498,432,870	28,419,345	87,121,756	613,973,971

NOTE: "MTM" = Million train miles

TABLE 18. SUMMARY OF TRAIN ACCIDENTS BY TYPE OF ACCIDENT, 1993

Type of Accident	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Derailment	143	139	160	178	165	174	177	179	156	164	139	156	1,930
Head on collision	2	---	---	---	2	1	---	---	1	4	2	---	12
Rear end collision	2	3	1	---	2	1	1	2	---	1	1	3	17
Side collision	9	9	15	11	7	13	11	13	16	12	9	12	137
Raking collision	2	2	3	2	1	2	4	4	6	3	1	4	34
Broken train collision	---	---	---	---	---	1	---	---	---	1	---	2	4
Rail-hwy crossing	17	10	19	11	13	14	14	22	14	14	12	14	174
RR grade crossing	---	1	---	---	---	---	---	---	---	---	---	---	1
Obstruction	5	5	4	2	6	4	3	3	5	6	8	5	56
Explosion-detonation	---	---	---	---	---	---	---	---	---	---	---	---	---
Fire or violent rupture	4	1	2	1	---	4	3	1	1	2	4	2	25
Other	32	24	27	43	29	35	31	44	27	38	32	33	395
Total	216	194	231	248	225	249	244	268	226	245	208	231	2,785

LEFT
BLANK
INTENTIONALLY

TABLE 19. SUMMARY OF TRAIN ACCIDENTS BY CAUSE AND TYPE, 1993

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Rail Hwy Crossing
	Accidents	Damage				
TRACK, ROADBED AND STRUCTURES						
Roadbed defects	57	4,124,011	---	53	4	---
Track geometry defects	387	16,383,940	3	380	4	---
Rail joint bar and anchoring	224	26,135,487	---	220	4	---
Frogs, switches and track appliances	276	7,664,910	5	247	24	---
Other way and structure	19	2,487,026	---	8	11	---
Signal and communication failures	54	1,296,284	5	18	31	---
Subtotal.....	1,017	58,091,658	13	926	78	---
MECHANICAL AND ELECTRICAL FAILURES						
LOCOMOTIVE FAILURE						
Brakes	5	138,460	1	1	3	---
Body	---	---	---	---	---	---
Coupler and draft system	2	69,500	---	2	---	---
Truck components	2	101,889	---	2	---	---
Axles and journal bearings	6	788,600	---	5	1	---
Wheels	6	343,526	---	5	1	---
Locomotives	23	2,123,556	5	8	10	---
General mechanical and electrical failures	3	110,876	---	1	2	---
Subtotal (Locomotives)..	47	3,676,407	6	24	17	---
CAR FAILURE						
Brakes	34	3,852,547	3	27	4	---
Trailer or container on flat car	3	42,550	1	2	---	---
Body	30	3,488,887	1	25	4	---
Coupler and draft system	21	677,453	3	14	4	---
Truck components	52	6,723,951	---	52	---	---
Axles and journal bearings	75	12,044,088	---	72	3	---
Wheels	66	5,045,986	1	64	1	---
Doors	3	392,500	---	3	---	---
General mechanical and electrical failures	29	705,876	---	4	25	---
Subtotal (cars).....	313	32,973,838	9	263	41	---
TOTAL EQUIPMENT FAILURES....	360	36,650,245	15	287	58	---
TRAIN OPERATION - HUMAN FACTORS						
Brakes, use of	124	4,845,406	34	38	52	---
Employee physical condition	1	23,000	---	---	1	---
Flagging, fixed, hand and radio signals	23	2,131,935	10	9	4	---
General switching rules	276	6,481,683	57	112	106	1
Main track authority	39	6,222,508	24	2	13	---
Train handling/train make-up	179	12,378,456	4	165	10	---
Speed	53	3,175,462	13	17	23	---
Switches, use of	154	3,604,233	15	116	23	---
Cab signals	---	---	---	---	---	---
Miscellaneous	17	731,899	2	11	4	---
Subtotal.....	866	39,594,582	159	470	236	1
MISCELLANEOUS FACTORS						
Environmental conditions	34	4,547,594	---	28	6	---
Loading procedures	37	1,500,805	3	24	10	---
Highway-rail grade crossing accidents	168	9,214,059	---	---	---	168
Unusual operational situations	125	5,854,497	5	73	45	2
Other miscellaneous	178	35,451,620	10	122	43	3
Subtotal.....	542	56,568,575	18	247	104	173
GRAND TOTAL.....	2,785	190,905,060	205	1,930	476	174

TABLE 20. NUMBER OF ACCIDENTS RESULTING FROM OPERATING PRACTICES BY CAUSE, 1993

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Hwy Rail Crossing
	Accidents	Damage				
BRAKES, USE OF						
H008 Bottling the Air	6	1,049,350	3	1	2	---
H017 Failure to secure engine- rr empl	8	335,120	4	1	3	---
H018 Fail to secure car hnd brk -rr emp	35	768,287	11	9	15	---
H020 Fail to apply suff. hand brakes -rr em	31	934,191	5	11	15	---
H021 Fail to apply car hnd brks -rr emp	21	510,062	6	3	12	---
H022 Fail to secure equip - not rr emp	5	156,300	1	3	1	---
H025 Fail to ctrl car spd use hnd brk-r emp	4	763,666	---	2	2	---
H099 Use of brakes, other	14	328,430	4	8	2	---
SUBTOTAL.....	124	4,845,406	34	38	52	---
EMPLOYEE PHYSICAL CONDITION						
H104 Employee asleep	1	23,000	---	---	1	---
SUBTOTAL.....	1	23,000	---	---	1	---
FLAGGING, FIXED, HAND AND RADIO SIGNALS						
H204 Fixed signal, failure to comply	2	396,777	2	---	---	---
H208 Hand signal improper	1	6,301	---	1	---	---
H210 Radio communication, failure to comply	7	109,333	3	4	---	---
H211 Radio communication, improper	7	129,824	2	2	3	---
H212 Radio comm., failure to give/receive	2	71,000	---	1	1	---
H215 Block signal, failure to comply	1	64,000	1	---	---	---
H216 Interlocking signal, failure to comply	3	1,354,700	2	1	---	---
SUBTOTAL.....	23	2,131,935	10	9	4	---
GENERAL SWITCHING RULES						
H301 Car(s) shoved out & left out of clear	12	312,801	4	2	6	---
H302 Cars left foul	27	424,607	3	2	22	---
H303 Derail, failure to apply or remove	19	550,996	---	19	---	---
H305 Instruction to trn/rd crew improper	12	448,530	3	7	2	---
H306 Shoving movement, absence of man	91	2,388,702	25	35	31	---
H307 Shoving movement, failure to control	37	771,831	10	10	17	---
H309 Failure to stretch cars before shoving	2	29,000	1	1	---	---
H310 Failure to couple	8	196,599	---	1	7	---
H311 Moving cars-load ramp,etc, not in pos	2	24,000	---	---	2	---
H312 Passed couplers	32	456,686	---	23	9	---
H313 Retarder, improper manual operation	5	150,483	3	1	1	---
H314 Retarder yard skate improperly applied	1	39,050	---	---	1	---
H399 Other general switching rules	28	688,398	8	11	8	1
SUBTOTAL.....	276	6,481,683	57	112	106	1
MAIN TRACK AUTHORITY						
H401 Failure to stop train in clear	16	3,129,848	14	1	1	---
H402 Motor car/on-trk rules, fail to comply	10	321,789	2	---	8	---
H403 Movement without authority - rr emp	3	465,680	2	1	---	---
H404 Fail to comply with trn order, etc.	5	460,030	3	---	2	---
H499 Other main track authority causes	5	1,845,161	3	---	2	---
SUBTOTAL.....	39	6,222,508	24	2	13	---

TABLE 20. NUMBER OF ACCIDENTS RESULTING FROM OPERATING PRACTICES BY CAUSE, 1993

Cause Of Accident	-----Total-----					Hwy Rail Crossing
	Accidents	Damage	Collisions	Derailments	Other	
TRAIN HANDLING/TRAIN MAKE-UP						
H501 Improper train make-up at init term	6	124,782	---	5	1	---
H502 Improper placement of cars in train	2	113,274	1	1	---	---
H503 Buff/slack action excess, trn handling	67	6,913,174	---	66	1	---
H504 Buff/slack action excess, trn make-up	32	935,263	---	30	2	---
H505 Lat DB force on curve xcess trn hndlng	12	675,183	---	12	---	---
H506 Lat DB force on curve excess, make-up	7	205,002	---	6	1	---
H507 Lat drawbar force-short/long car combo	8	243,471	---	8	---	---
H508 Improper train make-up	10	866,779	---	10	---	---
H509 Improper train inspection	1	45,801	---	1	---	---
H510 Automatic brake, insufficient	1	22,200	1	---	---	---
H513 Automatic brake, other improper use	1	100,500	---	1	---	---
H514 Fail to allow air brks to release	1	21,000	---	1	---	---
H516 Fail to cut-in brake valves-loco	1	30,000	---	---	1	---
H519 Dynamic brake, too rapid adjustment	3	251,186	---	3	---	---
H522 Throttle (power), improper use	2	633,238	---	2	---	---
H523 Throttle (power), too rapid adjustment	2	56,750	1	1	---	---
H525 Independent brake, improper use	6	149,913	---	6	---	---
H599 Other train handling/makeup	17	990,940	1	12	4	---
SUBTOTAL.....	179	12,378,456	4	165	10	---
SPEED						
H601 Coupling speed excessive	26	685,750	---	7	19	---
H602 Switch movement, excessive speed	7	95,401	2	4	1	---
H603 Train inside yard limits, excess speed	4	210,565	1	2	1	---
H604 Train outside yd limits, excess speed	2	652,356	1	1	---	---
H605 Failure to comply with restricted spee	8	335,600	5	1	2	---
H699 Speed, other	6	1,195,790	4	2	---	---
SUBTOTAL.....	53	3,175,462	13	17	23	---
SWITCHES, USE OF						
H701 Spring Switch not clear before reverse	4	60,006	---	4	---	---
H702 Switch improperly lined	87	2,028,021	15	53	19	---
H703 Switch not latched or locked	4	89,620	---	4	---	---
H704 Switch previously run through	44	1,002,460	---	43	1	---
H705 Moveable point trk frog improper lined	4	241,732	---	3	1	---
H799 Use of switches, other	11	182,394	---	9	2	---
SUBTOTAL.....	154	3,604,233	15	116	23	---
MISCELLANEOUS						
H991 Tampering - safety/protective device	1	73,000	---	1	---	---
H994 Human factors - signal	2	223,300	---	2	---	---
H995 Human factors - motive power & equipme	1	18,000	---	1	---	---
H999 Other train operation/human factors	13	417,599	2	7	4	---
SUBTOTAL.....	17	731,899	2	11	4	---
GRAND TOTAL.....	866	39,594,582	159	470	236	1

TABLE 21. NUMBER OF ACCIDENTS RESULTING FROM MECHANICAL AND ELECTRICAL FAILURES BY CAUSE, 1993

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Hwy Rail Crossing
	Accidents	Damage				
BRAKES						
E0HC Hnd brk link and/or connect defect	2	19,400	---	2	---	---
E0HL Hnd brk linkage/connect defect-loco	1	7,500	---	---	1	---
E00C Air hose uncoupled or burst	3	72,619	---	3	---	---
E03C Obstructed brake pipe	1	2,643,365	1	---	---	---
E04C Oth brk component dmg,worn,broke,etc.	3	67,300	---	3	---	---
E05C Brk valve malf. (undesired emergency)	3	364,731	---	3	---	---
E06C Brake valve malf. (stuck brake, etc.)	1	7,018	---	1	---	---
E07C Rigging down or dragging	11	418,696	---	11	---	---
E08C Hand brk broken or defective	6	178,268	2	2	2	---
E08L Hand brake broken or defective (LOCO)	1	24,917	1	---	---	---
E09C Other brake defects, cars	4	81,150	---	2	2	---
E09L Other brake defects, (LOCOMOTIVE)	3	106,043	---	1	2	---
SUBTOTAL.....	39	3,991,007	4	28	7	---
TRAILER OR CONTAINER ON FLAT CAR						
E12C Broken or defective container	2	32,500	1	1	---	---
E19C Oth trailer/container on flt car def	1	10,050	---	1	---	---
SUBTOTAL.....	3	42,550	1	2	---	---
BODY						
E21C Center sill broken or bent	6	282,045	---	5	1	---
E22C Draft sill broken or bent	2	128,700	---	1	1	---
E23C Center plate broken or defective	3	885,740	---	3	---	---
E24C Ctr plate disengaged from truck	7	1,071,716	---	7	---	---
E26C Center plate attachment defective	1	17,050	---	1	---	---
E27C Side sill broken	3	493,199	---	3	---	---
E29C Other body defects, (CAR)	8	610,437	1	5	2	---
SUBTOTAL.....	30	3,488,887	1	25	4	---
COUPLER AND DRAFT SYSTEM						
E30C Knuckle broken or defective	3	330,400	1	2	---	---
E31C Coupler mismatch, high/low	2	59,050	---	1	1	---
E32C Coupler drawhead broken or defective	4	45,862	1	2	1	---
E32L Coupler drawhead broke/defect-loco	1	57,500	---	1	---	---
E33C Coupler retainer pin/cross key missing	4	114,477	---	3	1	---
E34C Draft gear/mechanism broke/defective	3	39,034	---	2	1	---
E36C Coupler shank broken/defective	1	7,400	---	1	---	---
E39C Oth coupler/draft system defects-car	4	81,230	1	3	---	---
E39L Oth coupler/draft sys defects-loco	1	12,000	---	1	---	---
SUBTOTAL.....	23	746,953	3	16	4	---
TRUCK COMPONENTS						
E4TC Truck hunting	8	1,194,945	---	8	---	---
E40C Side bearing clearance insufficient	9	158,293	---	9	---	---
E41C Side bearing clearance excessive	1	10,000	---	1	---	---
E42C Side bearing(s) broken	1	34,650	---	1	---	---
E44C Truck bolster broken	1	10,200	---	1	---	---
E46C Truck bolster stiff	23	4,232,905	---	23	---	---
E46L Truck bolster stiff (LOCO)	1	7,889	---	1	---	---
E47C Defective snubbing	4	655,218	---	4	---	---
E48C Broken, missing, or defective springs	1	30,000	---	1	---	---
E49C Other truck component defects, (CAR)	4	397,740	---	4	---	---
E49L Other truck component defects, (LOCO)	1	94,000	---	1	---	---
SUBTOTAL.....	54	6,825,840	---	54	---	---

TABLE 21. NUMBER OF ACCIDENTS RESULTING FROM MECHANICAL AND ELECTRICAL FAILURES BY CAUSE, 1993

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Hwy Rail Crossing
	Accidents	Damage				
AXLES AND JOURNAL BEARINGS						
E51C Broken/bent axle between wheel seats	5	1,500,095	---	5	---	---
E51L Broke/bent axle btwn wheel seats-loco	3	350,100	---	3	---	---
E52C Journal (plain) failure from overheat	8	1,442,827	---	8	---	---
E53C Journal (roller bearing) overheating	57	8,687,377	---	55	2	---
E53L Journal(roller bearing)overheat-LOCO	1	8,000	---	1	---	---
E54C Journal fractured, new cold break	1	138,200	---	1	---	---
E55C Journal-cold brk, previously overheate	1	12,400	---	---	1	---
E59C Oth axle/journal bearing defect-car	3	263,189	---	3	---	---
E59L Oth axle/journal bearing defect-loco	2	430,500	---	1	1	---
SUBTOTAL.....	81	12,832,688	---	77	4	---
WHEELS						
E60C Broken flange	1	173,750	---	1	---	---
E61C Broken rim	6	1,070,526	---	6	---	---
E62C Broken plate	11	1,088,172	---	11	---	---
E62L Broken plate (LOCOMOTIVE)	1	30,000	---	---	1	---
E63C Broken hub	3	359,387	---	3	---	---
E64C Worn Flange	19	883,264	---	18	1	---
E64L Worn flange (LOCOMOTIVE)	3	63,471	---	3	---	---
E66C Damaged flange or tread (flat)	6	164,650	---	6	---	---
E67C Damaged flange or tread (build up)	10	535,217	---	10	---	---
E68C Loose wheel	1	528,250	---	1	---	---
E69C Other wheel defects (CAR)	9	242,770	1	8	---	---
E69L Other wheel defects (LOCOMOTIVE)	2	250,055	---	2	---	---
SUBTOTAL.....	72	5,389,512	1	69	2	---
LOCOMOTIVES						
E71L Traction motor failure (LOCOMOTIVE)	2	71,260	---	2	---	---
E73L Oil or fuel fire (LOCOMOTIVE)	3	147,000	---	---	3	---
E74L Electrically caused fire (LOCOMOTIVE)	4	1,440,324	---	---	4	---
E75L Current collector system (LOCOMOTIVE)	1	16,460	1	---	---	---
E77L Broke/def swng hanger/sprng plank-loco	1	8,670	---	---	1	---
E79L Other locomotive defects	12	439,842	4	6	2	---
SUBTOTAL.....	23	2,123,556	5	8	10	---
DOORS						
E86C Bottom outlet door attachment defect	1	21,500	---	1	---	---
E89C Other car door defects	2	371,000	---	2	---	---
SUBTOTAL.....	3	392,500	---	3	---	---
GENERAL MECHANICAL AND ELECTRICAL FAILURES						
E99C Other mechanical/electrical failures	29	705,876	---	4	25	---
E99L Other mechanical/electrical fail(LOCO)	3	110,876	---	1	2	---
SUBTOTAL.....	32	816,752	---	5	27	---
GRAND TOTAL.....	360	36,650,245	15	287	58	---

TABLE 22. NUMBER OF ACCIDENTS RESULTING FROM TRACK, ROADBED AND STRUCTURES BY CAUSE, 1993

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Hwy Rail Crossing
	Accidents	Damage				
ROADBED DEFECTS						
T001 Roadbed settled or soft	41	1,126,072	---	41	---	---
T002 Washout/rain/slide/etc. dmg -track	14	2,750,547	---	10	4	---
T099 Other roadbed defects	2	247,392	---	2	---	---
SUBTOTAL.....	57	4,124,011	---	53	4	---
TRACK GEOMETRY DEFECTS						
T101 Cross level of track irregular(joints)	55	2,019,510	1	54	---	---
T102 Cross level track irreg.(not at joints)	34	1,588,989	---	32	2	---
T103 Deviate frm uniform top of rail profil	5	113,135	---	5	---	---
T104 Disturbed ballast section	1	14,800	---	1	---	---
T105 Insufficient ballast section	1	13,800	---	1	---	---
T106 Superelevation improper, excessive,etc	5	325,420	---	5	---	---
T107 Superelevation runoff improper	2	88,027	---	2	---	---
T108 Trk alignmnt irreg-not buckled/sunkink	13	662,195	---	13	---	---
T109 Track alignment irreg(buckled/sunkink)	36	4,424,054	---	36	---	---
T110 Wide gage(defective/missing crossties)	175	5,035,276	2	173	---	---
T111 Wide gage(spikes/other rail fasteners)	38	1,241,285	---	37	1	---
T112 Wide gage(loose,broke, etc, gage rods)	3	29,689	---	3	---	---
T113 Wide gage (due to worn rails)	7	235,251	---	7	---	---
T199 Other track geometry defects	12	592,509	---	11	1	---
SUBTOTAL.....	387	16,383,940	3	380	4	---
RAIL AND JOINT BAR DEFECTS						
T201 Bolt hole crack or break	7	1,369,414	---	7	---	---
T202 Broken base of rail	36	1,762,800	---	36	---	---
T204 Broken weld (field)	3	510,300	---	3	---	---
T205 Defective or missing crossties	9	300,418	---	9	---	---
T206 Defect/missing spike-oth rail fastener	5	202,700	---	5	---	---
T207 Detail fracture - shelling/head check	12	4,950,399	---	12	---	---
T208 Engine burn fracture	1	20,000	---	1	---	---
T210 Head and web sep(outside jt bar limit)	27	2,187,006	---	27	---	---
T211 Head & web separation-in jt bar limit	4	89,850	---	3	1	---
T212 Horizontal split head	8	356,833	---	8	---	---
T215 Joint bar broken (noninsulated)	6	514,240	---	6	---	---
T216 Joint bolts, broken, or missing	3	433,912	---	3	---	---
T217 Mismatched rail-head contour	4	134,350	---	4	---	---
T218 Piped rail	1	32,128	---	1	---	---
T219 Rail defect with joint bar repair	1	18,000	---	---	1	---
T220 Transverse/compound fissure	46	5,779,296	---	45	1	---
T221 Vertical split head	35	3,984,662	---	35	---	---
T222 Worn rail	4	139,582	---	3	1	---
T299 Other rail and joint bar defects	12	3,349,597	---	12	---	---
SUBTOTAL.....	224	26,135,487	---	220	4	---

TABLE 22. NUMBER OF ACCIDENTS RESULTING FROM TRACK, ROADBED AND STRUCTURES BY CAUSE, 1993

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Hwy Rail Crossing
	Accidents	Damage				
FROGS, SWITCHES AND TRACK APPLIANCES						
T302 Expansion joint failed/malfunctioned	1	825,000	---	1	---	---
T303 Guard rail loose/broken or mislocated	2	17,077	---	2	---	---
T304 Railroad crossing frog, worn or broken	1	15,307	---	1	---	---
T305 Retarder worn, broken, malfunctioning	19	379,547	1	6	12	---
T306 Retarder yard skate defective	4	50,750	1	1	2	---
T307 Spring/power swtch mech. malfunction	6	145,223	---	6	---	---
T308 Stock rail worn, broken, disconnected	6	215,915	---	6	---	---
T309 Switch (hand op) stand mechanism defec	7	188,688	---	7	---	---
T310 Swtch connect/operate rod broke/defect	5	136,500	1	4	---	---
T311 Switch damaged or out of adjustment	58	1,374,941	1	56	1	---
T312 Switch lug/crank broken	1	10,000	---	1	---	---
T313 Switch out of adj. insuff. anchoring	7	137,580	---	7	---	---
T314 Switch point worn or broken	118	2,638,830	1	112	5	---
T315 Switch rod worn, bent, broken, etc.	4	63,884	---	3	1	---
T316 Turnout frog (rigid) worn, or broken	1	7,600	---	1	---	---
T318 Turnout frog (spring) worn, or broken	1	131,150	---	1	---	---
T319 Switch pt gap(btwm swt pt & stock rail	20	1,023,234	---	19	1	---
T399 Oth frog, switch, trk appliance defect	15	303,684	---	13	2	---
SUBTOTAL.....	276	7,664,910	5	247	24	---
OTHER WAY AND STRUCTURES						
T402 Flangeway clogged	2	38,300	---	2	---	---
T403 Engineering design or construction	3	50,261	---	2	1	---
T499 Other way and structure defect	14	2,398,465	---	4	10	---
SUBTOTAL.....	19	2,487,026	---	8	11	---
SIGNAL AND COMMUNICATION FAILURES						
S006 Classyard autocontrol sys switch fail	11	165,075	---	3	8	---
S007 Class yd auto ctrl sys retarder fail	21	361,727	1	2	18	---
S008 Fixed sig improperly displayed (defect	1	55,750	1	---	---	---
S011 Power switch failure	7	208,837	---	7	---	---
S012 Radio communication equipment failure	2	32,900	1	---	1	---
S099 Other signal failures	12	471,995	2	6	4	---
SUBTOTAL.....	54	1,296,284	5	18	31	---
GRAND TOTAL.....	1,017	58,091,658	13	926	78	---

TABLE 23. NUMBER OF ACCIDENTS RESULTING FROM MISCELLANEOUS CAUSES BY CAUSE, 1993

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Hwy Rail Crossing
	Accidents	Damage				
ENVIRONMENTAL CONDITIONS						
M101 Snow,ice,mud,gravel,coal,etc. on trk	17	2,028,376	---	14	3	---
M102 Extreme environmental - TORNADO	1	114,500	---	1	---	---
M103 Extreme environmental - FLOOD	6	1,565,000	---	6	---	---
M105 Extreme wind velocity	6	749,350	---	4	2	---
M199 Other extreme environmental condition	4	90,368	---	3	1	---
SUBTOTAL.....	34	4,547,594	---	28	6	---
LOADING PROCEDURES						
M201 Load shifted	13	467,031	2	8	3	---
M202 Load fell from car	2	117,800	---	2	---	---
M203 Overloaded car	3	61,174	---	3	---	---
M204 Improperly loaded car	7	391,788	---	7	---	---
M205 Oversized load, misrouted	4	166,872	1	---	3	---
M206 Trailer/container tiedown eqp improper	2	40,450	---	1	1	---
M207 Improperly loaded contain/trail on car	4	241,470	---	3	1	---
M299 Miscellaneous loading procedures	2	14,220	---	---	2	---
SUBTOTAL.....	37	1,500,805	3	24	10	---
HIGHWAY-RAIL GRADE CROSSING ACCIDENTS						
M301 Hwy user impairment-drug/alcohol use	1	8,000	---	---	---	1
M302 Highway user inattentiveness	60	2,742,775	---	---	---	60
M303 Hwy user misjudgement	25	559,502	---	---	---	25
M304 Highway user cited for violation	22	368,541	---	---	---	22
M306 Highway user unable to stop, weather	2	27,000	---	---	---	2
M399 Other causes (highway-rail collisions)	58	5,508,241	---	---	---	58
SUBTOTAL.....	168	9,214,059	---	---	---	168
UNUSUAL OPERATIONAL SITUATIONS						
M401 Emergency brke appl. to avoid accident	1	186,000	---	1	---	---
M402 Object/equipment (mtr veh) on track	15	353,107	1	1	12	1
M404 Obj/equip on/fouling track, other	17	1,147,288	1	7	8	1
M405 Harmonic rock off, etc.	57	2,912,242	---	55	2	---
M406 Fire, other than vandalism	9	804,776	---	---	9	---
M407 Auto hump retarder failed to slow car	15	206,562	---	6	9	---
M408 Yard skate slid and failed to stop car	8	193,147	3	1	4	---
M409 Lading chains/straps fouling switches	3	51,375	---	2	1	---
SUBTOTAL.....	125	5,854,497	5	73	45	2
OTHER MISCELLANEOUS						
M501 Interference(not vandals)with RR op.	12	236,257	---	9	3	---
M502 Vandalism of on-track equipment	23	658,608	1	11	11	---
M503 Vandalism of track or track appliances	51	3,811,399	3	40	7	1
M504 Fail by non-rr empto control spd of ca	3	76,201	---	2	1	---
M505 Cause under investigation	17	23,487,513	3	11	1	2
M599 Other miscellaneous causes	72	7,181,642	3	49	20	---
SUBTOTAL.....	178	35,451,620	10	122	43	3
GRAND TOTAL.....	542	56,568,575	18	247	104	172

TABLE 24. DAMAGE TO EQUIPMENT IN TRAIN ACCIDENTS BY CONSIST TYPE, 1993

Type of consist	....Collisions....		...Derailments....		.....Other.....		..Hwy-Rail X-ing..		.....Total.....	
	Number	Damage	Number	Damage	Number	Damage	Number	Damage	Number	Damage
Freight train....	116	18,543,673	1,272	72,667,625	106	2,996,663	112	3,482,148	1,606	97,690,109
Passenger train..	16	2,392,273	36	13,194,784	80	3,292,274	38	4,953,248	170	23,832,579
Mixed train.....	---	---	1	20,000	---	---	---	---	1	20,000
Work train.....	3	202,238	3	10,400	4	34,382	---	---	10	247,020
Single car.....	23	357,868	13	111,451	78	1,325,383	6	70,195	120	1,864,897
Cut of cars.....	52	745,754	81	1,058,746	94	1,145,855	1	7,330	228	2,957,685
Yard/switching...	136	1,880,608	534	7,481,959	200	3,109,678	4	41,956	874	12,514,201
Light loco(s)....	29	359,758	35	411,031	17	490,410	7	60,436	88	1,321,635
Unknown.....	---	---	---	---	---	---	---	---	---	---
Total.....	375	24,482,172	1,975	94,955,996	579	12,394,645	168	8,615,313	3,097	140,448,126

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

TABLE 25. ACCIDENTS INVOLVING CONSISTS TRANSPORTING HAZARDOUS MATERIALS, BY TYPE ACCIDENT, 1993

Type Of Accident	Consists Carrying	.....Cars.....				People Evacuated	Damage To Equipment
		In Consist	Containing Hazmat	Damaged W/Hazmat	Releasing Hazmat		
Derailment	439	29,477	3,825	553	52	3,128	22,901,011
Head on collision	3	215	19	---	---	---	3,682,610
Rear end collision	4	270	5	1	---	---	1,813,627
Side collision	37	1,487	317	27	1	---	745,998
Raking collision	9	344	47	8	---	---	189,600
Broken train collision	1	24	6	2	---	---	33,640
Rail-hwy crossing	28	1,718	221	8	1	200	1,103,196
RR grade crossing	---	---	---	---	---	---	---
Obstruction	5	345	28	5	---	---	354,700
Explosion-detonation	---	---	---	---	---	---	---
Fire or violent rupture	2	95	68	---	---	---	50,000
Other	58	2,254	260	56	4	79	872,424
Total	586	36,229	4,796	660	58	3,407	31,746,806

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
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
1993	559	262	29	15

TABLE 27. ACCIDENTS INVOLVING CONSISTS TRANSPORTING HAZARDOUS MATERIALS, BY CAUSE, 1993

Cause	Consists Carrying	Cars			Releasing Hazmat	People Evacuated	Damage To Equipment
		In Consist	Containing Hazmat	Damaged W/Hazmat			
TRACK, ROADBED AND STRUCTURES							
Roadbed defects	9	548	81	8	2	---	625,501
Track geometry defects	83	5,415	710	143	13	46	3,554,350
Rail joint bar and anchoring	53	3,627	551	67	11	352	5,515,005
Frogs, switches and track appliances	58	2,698	337	57	1	---	925,010
Other way and structure	1	78	2	2	---	---	560
Signal and communication failures	5	295	40	3	---	---	201,750
Subtotal.....	209	12,661	1,721	280	27	398	10,822,176
MECHANICAL AND ELECTRICAL FAILURES							
Brakes	8	591	30	5	1	---	114,900
Trailer or container on flat car	1	35	3	---	---	---	8,000
Body	8	524	77	35	15	40	1,180,912
Coupler and draft system	3	284	7	2	---	---	22,750
Truck components	16	1,381	107	7	---	---	1,133,000
Axles and journal bearings	30	2,413	362	26	1	2,500	1,643,077
Wheels	19	1,465	155	18	1	---	1,277,618
Locomotives	1	30	3	---	---	---	40,000
Doors	---	---	---	---	---	---	---
General mechanical and electrical failures	---	---	---	---	---	---	---
Subtotal.....	86	6,723	744	93	18	2,540	5,420,257
TRAIN OPERATION - HUMAN FACTORS							
Brakes, use of	35	1,038	320	40	1	---	1,053,442
Employee physical condition	---	---	---	---	---	---	---
Flagging, fixed, hand and radio signals	4	286	30	---	---	---	227,500
General switching rules	70	3,242	425	63	2	139	1,065,488
Main track authority	8	477	36	1	---	---	1,929,957
Train handling/train make-up	47	4,000	415	50	1	75	2,011,731
Speed	7	359	31	3	---	---	117,600
Switches, use of	32	1,614	297	38	3	---	450,149
Cab signals	---	---	---	---	---	---	---
Miscellaneous	2	225	26	---	---	---	96,600
Subtotal.....	205	11,241	1,580	195	7	214	6,952,467
MISCELLANEOUS FACTORS							
Environmental conditions	5	389	16	5	2	---	1,891,800
Loading procedures	9	625	61	7	---	---	204,600
Highway-rail grade crossing accidents	28	1,718	221	8	1	200	1,103,196
Unusual operational situations	19	1,320	244	19	2	55	563,110
Other miscellaneous	25	1,552	209	53	1	---	4,789,200
Subtotal.....	86	5,604	751	92	6	255	8,551,906
GRAND TOTAL.....	586	36,229	4,796	660	58	3,407	31,746,806

TABLE 28. ACCIDENTS INVOLVING CONSISTS TRANSPORTING HAZARDOUS MATERIALS, BY STATE, 1993

State	Consists Carrying	Cars				People Evacuated	Damage To Equipment
		In Consist	Containing Hazmat	Damaged W/Hazmat	Releasing Hazmat		
Alabama.....	7	344	22	2	---	---	188,450
Alaska.....	2	126	66	3	2	---	271,000
Arizona.....	8	503	73	5	---	---	764,645
Arkansas.....	15	1,017	102	13	---	---	277,341
California.....	32	1,843	232	34	---	30	1,640,861
Colorado.....	11	791	64	13	---	---	552,283
Connecticut.....	---	---	---	---	---	---	---
Delaware.....	2	91	54	30	---	---	575,400
Dist of Columbia.	1	106	14	---	---	---	13,000
Florida.....	3	142	22	9	---	---	48,459
Georgia.....	9	440	53	13	2	200	848,955
Idaho.....	11	508	32	2	1	---	329,200
Illinois.....	76	4,997	518	67	10	9	2,442,504
Indiana.....	7	543	14	5	---	---	335,200
Iowa.....	8	401	27	8	---	---	249,125
Kansas.....	13	968	194	18	---	---	234,413
Kentucky.....	8	534	99	19	1	2,560	885,250
Louisiana.....	36	2,195	493	53	2	---	883,813
Maine.....	4	92	15	4	---	2	145,603
Maryland.....	3	110	19	9	---	---	96,650
Massachusetts....	3	123	5	3	---	---	32,083
Michigan.....	5	277	28	2	1	---	147,850
Minnesota.....	17	885	96	5	---	---	483,398
Mississippi.....	12	579	76	10	---	---	545,510
Missouri.....	15	1,132	129	14	6	---	1,352,147
Montana.....	17	843	117	16	1	30	840,550
Nebraska.....	17	1,124	79	14	5	122	1,010,886
Nevada.....	5	249	17	6	---	---	125,500
New Hampshire....	1	41	41	9	---	---	115,000
New Jersey.....	---	---	---	---	---	---	---
New Mexico.....	4	273	18	---	---	---	78,900
New York.....	5	332	26	13	---	35	399,000
North Carolina...	2	222	6	1	---	---	604,000
North Dakota.....	5	272	57	4	---	---	41,500
Ohio.....	24	1,798	246	23	3	25	434,580
Oklahoma.....	13	624	98	16	---	---	246,169
Oregon.....	12	781	70	8	3	100	1,337,900
Pennsylvania.....	15	1,104	209	17	---	---	410,272
Rhode Island.....	---	---	---	---	---	---	---
South Carolina...	4	422	44	8	2	---	648,750
South Dakota.....	2	202	6	2	---	---	14,032
Tennessee.....	13	886	87	11	2	254	786,960
Texas.....	78	4,647	774	130	12	40	3,080,073
Utah.....	10	508	30	7	3	---	1,869,127
Vermont.....	---	---	---	---	---	---	---
Virginia.....	5	363	94	2	---	---	202,000
Washington.....	19	1,112	91	17	1	---	4,459,099
West Virginia....	3	116	12	3	---	---	42,000
Wisconsin.....	7	358	27	7	---	---	641,963
Wyoming.....	17	1,205	200	5	1	---	1,015,405
Unknown.....	---	---	---	---	---	---	---
TOTAL.....	586	36,229	4,796	660	58	3,407	31,746,806

TABLE 29: TRAIN ACCIDENTS INVOLVING HAZARDOUS MATERIALS BY RAILROAD, 1993

Railroad	TOTAL HAZMAT CONSISTS	<<.....C A R S.....>>>				People Evacuated	Damage to Equipment
		In Consists	Containing Hazmat	Damaged w/Hazmat	Releasing Hazmat		
CLASS I RAILROADS							
Amtrak (Nat'l Railroad Pass Corp.)	0	0	0	0	0	0	0
Atchison, Topeka & Santa Fe Railway	61	3,895	409	47	0	30	3,044,948
Burlington Northern Railroad Co.	87	5,903	770	97	13	227	6,949,280
Chicago & North Western Trans.	8	394	40	9	0	0	310,305
Consolidated Rail Corp.	31	2,264	328	40	2	0	723,415
CSX Transportation	47	3,707	399	59	15	234	3,739,270
Denver & Rio Grande Western Railroad	3	126	13	4	0	0	20,400
Grand Trunk Western Railroad Inc.	3	266	5	3	0	0	121,838
Illinois Central Railroad Co.	26	1,821	375	35	2	0	1,313,291
Kansas City Southern Railway Co.	4	279	28	7	1	0	180,200
Norfolk Southern Corp.	21	965	104	24	2	160	867,500
Soo Line Railroad Co.	16	730	52	5	0	0	789,279
Southern Pacific Transportation Co.	32	1,791	262	64	13	140	4,249,469
St. Louis Southwestern Railway Co.	6	323	23	3	0	0	75,060
Union Pacific Railroad Co.	126	8,098	1,122	127	8	79	5,042,657
Total Class I Railroads.....	471	30,562	3,930	524	56	870	27,426,912
GROUP II RAILROADS **							
Alton & Southern Railroad	4	255	24	3	0	0	111,475
Alaska Railroad Corp.	2	126	66	3	2	0	271,000
Bangor & Aroostook Railroad	1	33	3	3	0	2	13,890
Bessemer & Lake Erie Railroad Co.	0	0	0	0	0	0	0
Belt Railway Company Of Chicago	9	714	79	3	0	0	293,825
Birmingham Southern Railroad Co.	2	14	2	0	0	0	40,000
Chicago, Central & Pacific Railroad Co.	2	183	3	0	0	0	22,000
Cuyahoga Valley Railway Co.	0	0	0	0	0	0	0
Delaware & Hudson Railway Co.	3	158	33	31	0	35	589,400
Dakota, Minnesota & Eastern Railroad	1	100	1	1	0	0	4,032
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	0	0
Elgin, Joliet & Eastern Railway Co.	1	122	7	0	0	0	19,000
Florida East Coast Railway Co.	1	87	9	1	0	0	10,257
Gateway Western Railway	1	6	1	1	0	0	15,000
Houston Belt & Terminal Railway Co.	1	24	3	0	0	0	18,400
Indiana Harbor Belt Railroad Co.	9	387	54	12	0	0	67,253
Long Island Rail Road	0	0	0	0	0	0	0
Metro North Commuter Railroad Co.	0	0	0	0	0	0	0
Montana Rail Link	13	671	71	1	0	0	650,900
Midsouth Railroad Corp.	7	460	47	6	0	0	72,970
Northern Indiana Commuter Trans.	0	0	0	0	0	0	0
Northeast Illinois Regional Comuter	0	0	0	0	0	0	0
New Jersey Transit Rail Operations	0	0	0	0	0	0	0
Paducah & Louisville Railway Co.	1	38	23	7	0	2,500	86,250
Port Authority Trans Hudson	0	0	0	0	0	0	0
Port Terminal Railroad Assoc.	3	95	9	5	0	0	65,349
Southeastern Pennsylvania Trans.	0	0	0	0	0	0	0
Southrail Corporation	1	116	7	1	0	0	100,000
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	0
Springfield Terminal Railway Co.	3	59	12	1	0	0	131,713
Texas Mexican Railway Co.	1	79	6	0	0	0	46,700
Terminal Railroad Assoc. Of State Dock	0	0	0	0	0	0	0
Union Railroad Company (Pittsburgh)	1	54	3	0	0	0	6,637
Wisconsin Central Ltd. (also Railway)	8	449	15	2	0	0	334,579
Wheeling & Lake Erie Railway Company	1	100	10	2	0	0	8,500
TOTAL GROUP II RAILROADS.....	76	4,330	488	83	2	2,537	2,979,130
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)							
Class I Railroads	471	30,562	3,930	524	56	870	27,426,912
Group II Railroads **	76	4,330	488	83	2	2,537	2,979,130
All Other Railroads	39	1,337	378	53	0	0	1,340,764
Total All Railroads	586	36,229	4,796	660	58	3,407	31,746,806

** 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, 1993

State	....Collisions....		...Derailments....		.....Other.....		..Hwy-Rail X-ing..		.....Total.....	
	Number	Damage	Number	Damage	Number	Damage	Number	Damage	Number	Damage
Alabama.....	4	80,100	16	12,225,519	1	35,000	2	60,400	23	12,401,019
Alaska.....	1	33,500	6	492,479	---	---	3	30,250	10	556,229
Arizona.....	1	49,274	18	4,210,682	5	152,209	---	---	24	4,412,165
Arkansas.....	7	219,067	35	771,855	16	274,616	7	243,430	65	1,508,968
California.....	11	768,829	92	4,701,708	22	531,424	13	356,782	138	6,358,743
Colorado.....	3	301,988	40	4,707,621	5	611,999	3	48,500	51	5,670,108
Connecticut.....	---	---	5	152,154	17	294,718	1	12,632	23	459,504
Delaware.....	2	65,683	4	691,409	1	22,760	---	---	7	779,852
Dist of Columbia.	---	---	6	108,021	---	---	---	---	6	108,021
Florida.....	---	---	25	2,679,821	1	40,000	5	3,489,228	31	6,209,049
Georgia.....	5	76,900	27	2,140,090	1	10,500	5	791,205	38	3,018,695
Idaho.....	---	---	46	2,867,244	3	68,200	2	15,000	51	2,950,444
Illinois.....	36	4,130,936	193	8,339,151	58	1,205,211	8	402,610	295	14,077,908
Indiana.....	6	1,164,567	37	1,945,974	7	275,422	5	288,327	55	3,674,290
Iowa.....	6	534,281	49	3,482,177	11	218,086	3	67,637	69	4,302,181
Kansas.....	1	6,804	66	4,437,944	16	436,164	6	115,469	89	4,996,381
Kentucky.....	6	111,850	21	2,717,595	---	---	5	137,300	32	2,966,745
Louisiana.....	10	463,221	55	1,752,551	12	348,522	6	96,887	83	2,661,181
Maine.....	1	62,408	10	320,582	1	22,781	---	---	12	405,771
Maryland.....	6	199,223	13	1,769,921	6	606,881	---	---	25	2,576,025
Massachusetts....	---	---	15	411,706	1	13,050	---	---	16	424,756
Michigan.....	2	143,400	52	1,190,345	2	21,550	7	331,967	63	1,687,262
Minnesota.....	2	179,648	79	6,160,054	20	742,234	3	61,414	104	7,143,350
Mississippi.....	7	172,043	26	1,240,616	2	14,616	1	27,000	36	1,454,275
Missouri.....	7	878,518	61	4,853,736	12	342,589	2	101,000	82	6,175,843
Montana.....	6	833,275	41	3,089,134	11	237,700	1	10,500	59	4,170,609
Nebraska.....	2	4,585,365	42	4,558,957	44	1,451,738	8	277,333	96	10,873,393
Nevada.....	---	---	7	420,468	2	25,250	---	---	9	445,718
New Hampshire....	---	---	2	173,500	---	---	---	---	2	173,500
New Jersey.....	2	33,127	9	329,906	30	848,714	3	111,529	44	1,323,276
New Mexico.....	---	---	14	1,130,988	3	76,100	---	---	17	1,207,088
New York.....	7	348,952	70	4,296,418	26	1,964,680	5	171,701	108	6,781,751
North Carolina...	2	88,800	13	885,675	2	92,000	7	321,050	24	1,387,525
North Dakota.....	1	18,318	32	1,923,216	1	8,990	3	327,400	37	2,277,924
Ohio.....	4	65,821	56	1,604,504	5	55,400	8	287,351	73	2,013,076
Oklahoma.....	2	803,427	56	4,243,713	2	36,000	6	71,200	66	5,154,340
Oregon.....	---	---	35	4,603,895	4	42,900	2	23,495	41	4,670,290
Pennsylvania.....	8	287,576	67	2,513,236	10	247,317	3	311,316	88	3,359,445
Rhode Island.....	---	---	---	---	---	---	---	---	---	---
South Carolina...	4	73,725	15	3,227,660	---	---	5	67,150	24	3,368,535
South Dakota.....	---	---	18	944,957	1	49,335	1	8,500	20	1,002,792
Tennessee.....	3	47,100	45	2,324,868	9	627,297	3	45,888	60	3,045,153
Texas.....	16	1,908,273	209	11,416,244	48	1,091,813	18	1,253,804	291	15,670,134
Utah.....	5	2,298,127	26	1,426,753	11	212,417	2	45,619	44	3,982,916
Vermont.....	---	---	1	9,200	---	---	1	32,929	2	42,129
Virginia.....	3	61,985	26	3,653,524	1	18,000	5	72,236	35	3,805,745
Washington.....	5	4,622,622	55	3,634,121	24	681,543	2	37,700	86	8,975,986
West Virginia....	1	13,350	8	985,204	4	182,573	2	21,575	15	1,202,702
Wisconsin.....	8	313,717	44	3,099,838	15	412,828	2	80,490	69	3,906,873
Wyoming.....	2	106,000	42	4,954,515	3	24,880	---	---	47	5,085,395
Unknown.....	---	---	---	---	---	---	---	---	---	---
TOTAL.....	205	26,151,800	1,930	139,821,449	476	14,676,007	174	10,255,804	2,785	190,905,060

TABLE 31. TRAIN ACCIDENTS BY STATE AND CAUSE OF ACCIDENT, 1993

State	.....Track.....		....Equipment.....		..Human Factors...		..Miscellaneous...		.....Total.....	
	Number	Damage	Number	Damage	Number	Damage	Number	Damage	Number	Damage
Alabama.....	8	353,380	2	230,100	8	280,601	5	11,536,938	23	12,401,019
Alaska.....	2	133,129	---	---	2	58,143	6	364,957	10	556,229
Arizona.....	4	86,500	6	2,817,004	8	203,823	6	1,304,838	24	4,412,165
Arkansas.....	32	654,218	4	70,150	13	308,197	16	476,403	65	1,508,968
California.....	37	2,182,302	11	434,950	55	1,746,768	35	1,994,723	138	6,358,743
Colorado.....	16	575,938	10	3,095,073	17	1,699,329	8	299,768	51	5,670,108
Connecticut.....	10	214,344	6	136,252	---	---	7	108,908	23	459,504
Delaware.....	2	18,059	2	38,243	1	50,200	2	673,350	7	779,852
Dist of Columbia	---	13,000	---	---	5	63,521	1	31,500	6	108,021
Florida.....	16	780,492	---	---	5	167,979	10	5,260,578	31	6,209,049
Georgia.....	10	1,384,475	6	353,850	15	460,665	7	819,705	38	3,018,695
Idaho.....	18	1,034,976	6	419,600	19	544,693	8	951,175	51	2,950,444
Illinois.....	128	5,004,564	30	2,417,591	98	2,827,235	39	3,828,518	295	14,077,908
Indiana.....	16	579,154	9	980,017	19	1,561,520	11	553,599	55	3,674,290
Iowa.....	31	1,676,043	8	957,504	21	1,113,729	9	554,905	69	4,302,181
Kansas.....	41	1,762,991	9	170,008	26	2,843,584	13	219,798	89	4,996,381
Kentucky.....	9	1,232,900	4	975,700	11	221,645	8	536,500	32	2,966,745
Louisiana.....	34	1,070,628	7	267,850	32	1,009,062	10	313,641	83	2,661,181
Maine.....	4	132,008	2	107,987	2	126,264	4	39,512	12	405,771
Maryland.....	3	33,050	5	168,323	10	1,680,070	7	694,582	25	2,576,025
Massachusetts...	7	274,125	1	22,743	6	88,178	2	39,710	16	424,756
Michigan.....	27	560,486	6	136,400	15	306,227	15	684,149	63	1,687,262
Minnesota.....	43	3,984,832	18	1,749,849	30	904,671	13	503,998	104	7,143,350
Mississippi.....	16	953,164	4	162,884	13	205,182	3	133,045	36	1,454,275
Missouri.....	28	1,400,591	12	979,265	21	1,564,698	21	2,231,289	82	6,175,843
Montana.....	12	618,994	19	1,849,615	21	1,296,920	7	405,080	59	4,170,609
Nebraska.....	32	2,280,481	13	3,694,648	27	834,999	24	4,063,265	96	10,873,393
Nevada.....	---	---	3	300,660	5	115,058	1	30,000	9	445,718
New Hampshire...	1	165,000	---	---	---	---	1	8,500	2	173,500
New Jersey.....	1	6,450	20	468,723	7	170,521	16	677,582	44	1,323,276
New Mexico.....	6	560,698	5	479,190	6	167,200	---	---	17	1,207,088
New York.....	37	1,985,394	18	2,126,840	31	2,095,630	22	573,887	108	6,781,751
North Carolina..	6	758,750	1	19,500	3	84,500	14	524,775	24	1,387,525
North Dakota....	24	1,421,426	5	335,240	3	50,218	5	471,040	37	2,277,924
Ohio.....	25	639,188	10	469,363	18	355,500	20	549,025	73	2,013,076
Oklahoma.....	26	2,479,409	11	458,250	16	1,933,154	13	283,527	66	5,154,340
Oregon.....	15	1,659,358	5	1,478,778	14	392,540	7	1,139,614	41	4,670,290
Pennsylvania....	35	1,027,077	9	270,815	23	828,716	21	1,232,837	88	3,359,445
Rhode Island....	---	---	---	---	---	---	---	---	---	---
South Carolina..	9	2,591,000	3	154,900	5	492,375	7	130,260	24	3,368,535
South Dakota....	13	735,629	2	167,372	2	34,040	3	65,751	20	1,002,792
Tennessee.....	31	2,406,438	2	67,000	17	413,567	10	158,148	60	3,045,153
Texas.....	122	5,322,430	18	1,856,886	107	5,539,859	44	2,950,959	291	15,670,134
Utah.....	8	912,600	5	239,850	27	2,762,114	4	68,352	44	3,982,916
Vermont.....	1	9,200	---	---	---	---	1	32,929	2	42,129
Virginia.....	11	1,823,175	5	765,835	8	158,949	11	1,057,786	35	3,805,745
Washington.....	22	974,910	9	1,159,687	33	819,219	22	6,022,170	86	8,975,986
West Virginia...	5	123,667	2	337,137	4	75,723	4	666,175	15	1,202,702
Wisconsin.....	24	1,708,748	11	1,099,776	23	586,125	11	512,224	69	3,906,873
Wyoming.....	9	1,786,287	16	2,158,837	14	351,671	8	788,600	47	5,085,395
Unknown.....	---	---	---	---	---	---	---	---	---	---
TOTAL.....	1,017	58,091,658	360	36,650,245	866	39,594,582	542	56,568,575	2,785	190,905,060

TABLE 32. TRAIN ACCIDENTS BY STATE AND MONTH, 1993

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Alabama.....	3	2	2	1	2	1	4	2	2	---	2	2	23
Alaska.....	1	2	2	2	---	1	---	---	---	---	1	1	10
Arizona.....	3	1	3	2	2	2	3	2	1	4	---	1	24
Arkansas.....	8	5	9	3	4	8	8	5	3	6	2	4	65
California.....	16	9	13	11	8	19	17	11	8	7	9	10	138
Colorado.....	2	5	2	3	5	4	5	10	6	4	3	2	51
Connecticut.....	2	2	1	2	1	3	---	---	2	2	3	5	23
Delaware.....	1	---	---	---	1	---	1	1	1	---	---	2	7
Dist of Columbia.....	1	---	---	---	---	1	1	1	1	1	---	---	6
Florida.....	3	4	3	1	3	1	1	2	4	3	3	3	31
Georgia.....	2	3	3	5	5	1	3	6	1	3	3	3	38
Idaho.....	4	2	3	5	7	5	2	2	7	9	3	2	51
Illinois.....	31	12	19	20	22	35	23	37	23	30	19	24	295
Indiana.....	8	5	4	1	5	3	7	4	5	7	3	3	55
Iowa.....	3	9	3	5	6	6	6	5	8	9	---	9	69
Kansas.....	7	10	7	10	9	2	11	9	8	5	6	5	89
Kentucky.....	2	1	1	3	5	1	2	4	2	4	4	3	32
Louisiana.....	6	7	10	2	6	6	6	7	13	11	1	8	83
Maine.....	---	3	---	1	1	---	1	1	2	1	---	2	12
Maryland.....	---	1	4	2	1	3	3	4	1	1	3	2	25
Massachusetts.....	1	3	2	2	1	2	3	1	1	---	---	---	16
Michigan.....	2	3	6	7	6	5	7	7	2	4	4	10	63
Minnesota.....	7	5	12	10	5	5	7	9	11	12	12	9	104
Mississippi.....	1	2	2	2	6	3	2	5	4	5	3	1	36
Missouri.....	5	7	9	9	6	6	2	12	4	8	8	6	82
Montana.....	7	3	1	4	6	5	6	4	6	7	7	3	59
Nebraska.....	5	3	7	9	11	8	10	10	9	9	6	9	96
Nevada.....	---	---	2	---	---	1	1	---	2	---	2	1	9
New Hampshire.....	---	---	---	1	1	---	---	---	---	---	---	---	2
New Jersey.....	2	1	2	5	3	5	1	3	3	4	7	8	44
New Mexico.....	2	1	2	---	1	1	2	1	2	1	1	3	17
New York.....	8	10	9	10	7	14	6	9	10	10	6	9	108
North Carolina.....	---	6	3	---	2	---	2	3	1	2	2	3	24
North Dakota.....	1	3	3	3	4	4	3	3	3	2	7	1	37
Ohio.....	7	7	11	7	7	6	2	2	2	11	5	6	73
Oklahoma.....	3	5	4	8	3	10	7	5	6	4	2	9	66
Oregon.....	2	3	3	8	3	3	4	2	3	1	4	5	41
Pennsylvania.....	9	6	10	8	8	8	6	7	8	3	6	9	88
Rhode Island.....	---	---	---	---	---	---	---	---	---	---	---	---	---
South Carolina.....	2	2	3	4	1	5	1	3	---	1	---	2	24
South Dakota.....	3	1	1	2	---	---	1	3	1	1	4	3	20
Tennessee.....	3	2	5	5	4	7	8	9	5	6	5	1	60
Texas.....	18	20	21	30	24	27	33	25	26	18	27	22	291
Utah.....	7	2	5	4	2	3	3	4	3	6	3	2	44
Vermont.....	---	---	---	1	---	---	---	---	---	---	1	---	2
Virginia.....	2	1	3	3	6	1	3	5	1	4	5	1	35
Washington.....	9	4	3	16	8	3	9	9	7	9	4	5	86
West Virginia.....	1	---	3	1	1	2	1	2	---	2	2	---	15
Wisconsin.....	1	7	4	7	2	8	7	8	6	5	5	9	69
Wyoming.....	5	4	6	3	4	5	3	4	2	3	5	3	47
Unknown.....	---	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL.....	216	194	231	248	225	249	244	268	226	245	208	231	2,785

TABLE 33. CASUALTIES BY STATE AND TYPE OF ACCIDENT/INCIDENT, 1993

State	.....Train Accidents.....			.....Train Incidents.....			...Nontrain Incidents...			.....Total.....		
	Killed	Injured	Illness	Killed	Injured	Illness	Killed	Injured	Illness	Killed	Injured	Illness
Alabama.....	48	105	---	32	78	---	1	151	5	81	334	5
Alaska.....	---	5	---	---	11	---	---	48	1	---	64	1
Arizona.....	---	5	---	8	39	1	2	133	1	10	177	2
Arkansas.....	1	8	---	27	100	---	2	264	7	30	372	7
California.....	6	9	---	134	237	6	3	912	27	143	1,158	33
Colorado.....	1	5	---	11	55	---	---	267	18	12	327	18
Connecticut.....	---	---	---	8	17	1	1	158	5	9	175	6
Delaware.....	---	---	---	3	16	---	---	67	---	3	83	---
Dist of Columbia	---	1	---	---	8	---	---	88	1	---	97	1
Florida.....	6	53	1	43	87	2	1	192	1	50	332	4
Georgia.....	---	3	---	33	107	---	---	190	3	33	300	3
Idaho.....	2	8	---	6	45	1	---	116	4	8	169	5
Illinois.....	2	35	---	86	244	3	4	979	22	92	1,258	25
Indiana.....	14	49	6	41	116	---	---	335	4	55	500	10
Iowa.....	2	2	---	13	73	---	1	293	20	16	368	20
Kansas.....	---	5	---	9	62	2	---	374	8	9	441	10
Kentucky.....	1	6	---	14	60	---	---	144	3	15	210	3
Louisiana.....	1	4	---	41	151	---	---	161	5	42	316	5
Maine.....	---	---	---	---	12	---	---	74	1	---	86	1
Maryland.....	---	---	---	7	33	---	1	124	1	8	157	1
Massachusetts...	---	---	---	12	17	---	---	206	1	12	223	1
Michigan.....	1	7	---	23	124	17	1	383	136	25	514	153
Minnesota.....	1	9	---	20	110	1	3	563	15	24	682	16
Mississippi.....	---	---	---	15	80	1	---	61	3	15	141	4
Missouri.....	1	17	---	26	89	---	3	340	42	30	446	42
Montana.....	---	1	---	16	27	---	---	186	1	16	214	1
Nebraska.....	4	14	---	11	70	1	2	447	22	17	531	23
Nevada.....	---	---	---	3	14	---	---	59	---	3	73	---
New Hampshire...	---	---	---	---	2	---	---	12	---	---	14	---
New Jersey.....	---	8	---	23	126	---	1	734	6	24	868	6
New Mexico.....	---	1	---	7	38	---	---	88	1	7	127	1
New York.....	2	7	---	57	167	2	3	1,662	27	62	1,836	29
North Carolina..	2	6	---	32	79	---	3	92	2	37	177	2
North Dakota....	1	4	---	6	19	---	1	143	1	8	166	1
Ohio.....	2	4	---	62	175	1	---	470	12	64	649	13
Oklahoma.....	1	12	---	20	76	---	2	146	1	23	234	1
Oregon.....	---	6	---	10	76	1	2	220	11	12	302	12
Pennsylvania....	1	7	---	29	159	2	5	883	15	35	1,049	17
Rhode Island....	---	---	---	1	1	---	---	14	---	1	15	---
South Carolina..	1	6	---	38	54	---	---	98	2	39	158	2
South Dakota....	---	3	---	1	14	1	---	48	1	1	65	2
Tennessee.....	---	11	---	18	52	---	---	138	5	18	201	5
Texas.....	13	24	---	93	409	2	3	844	19	109	1,277	21
Utah.....	2	5	---	9	36	1	---	129	2	11	170	3
Vermont.....	---	1	3	1	1	---	---	26	1	1	28	4
Virginia.....	2	3	---	19	51	---	---	206	5	21	260	5
Washington.....	5	11	---	16	97	---	3	358	11	24	466	11
West Virginia...	---	5	---	9	35	---	---	118	1	9	158	1
Wisconsin.....	2	---	---	8	123	1	3	300	11	13	423	12
Wyoming.....	---	1	---	2	22	---	---	154	5	2	177	5
Unknown.....	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL.....	125	476	10	1,103	3,894	47	51	14,198	496	1,279	18,568	552

TABLE 34. TRAIN ACCIDENT AND TRAIN INCIDENT FATALITIES TO TRESPASSERS AND NONTRESPASSERS, 1993

State	Trespassers				Nontrespassers				Total			
	Child	Adult	Unknown	Total	Child	Adult	Unknown	Total	Child	Adult	Unknown	Total
Alabama.....	---	7	1	8	1	24	---	25	1	31	1	33
Alaska.....	---	---	---	---	---	---	---	---	---	---	---	---
Arizona.....	1	5	1	7	---	1	---	1	1	6	1	8
Arkansas.....	---	8	2	10	---	18	---	18	---	26	2	28
California.....	2	57	55	114	1	11	12	24	3	68	67	138
Colorado.....	1	2	1	4	---	7	1	8	1	9	2	12
Connecticut.....	1	5	1	7	---	1	---	1	1	6	1	8
Delaware.....	---	2	---	2	---	---	---	---	---	2	---	2
Dist of Columbia.....	---	---	---	---	---	---	---	---	---	---	---	---
Florida.....	1	33	5	39	---	8	2	10	1	41	7	49
Georgia.....	---	14	1	15	1	15	---	16	1	29	1	31
Idaho.....	---	2	---	2	---	6	---	6	---	8	---	8
Illinois.....	6	39	7	52	---	31	2	33	6	70	9	85
Indiana.....	---	16	7	23	1	20	3	24	1	36	10	47
Iowa.....	---	1	2	3	---	11	1	12	---	12	3	15
Kansas.....	---	4	---	4	---	2	3	5	---	6	3	9
Kentucky.....	1	7	---	8	---	5	---	5	1	12	---	13
Louisiana.....	1	20	---	21	2	15	4	21	3	35	4	42
Maine.....	---	---	---	---	---	---	---	---	---	---	---	---
Maryland.....	---	5	1	6	---	1	---	1	---	6	1	7
Massachusetts.....	1	8	3	12	---	---	---	---	1	8	3	12
Michigan.....	---	8	---	8	---	11	4	15	---	19	4	23
Minnesota.....	---	8	1	9	2	10	---	12	2	18	1	21
Mississippi.....	---	4	---	4	---	11	---	11	---	15	---	15
Missouri.....	3	12	---	15	---	8	4	12	3	20	4	27
Montana.....	---	6	---	6	1	8	---	9	1	14	---	15
Nebraska.....	1	5	---	6	1	7	---	8	2	12	---	14
Nevada.....	---	1	1	2	---	1	---	1	---	2	1	3
New Hampshire.....	---	---	---	---	---	---	---	---	---	---	---	---
New Jersey.....	2	6	12	20	---	1	---	1	2	7	12	21
New Mexico.....	---	1	1	2	---	1	3	4	---	2	4	6
New York.....	3	34	12	49	1	2	---	3	4	36	12	52
North Carolina.....	---	17	4	21	---	12	1	13	---	29	5	34
North Dakota.....	---	2	---	2	---	4	---	4	---	6	---	6
Ohio.....	---	23	1	24	3	33	1	37	3	56	2	61
Oklahoma.....	---	7	---	7	3	9	---	12	3	16	---	19
Oregon.....	---	7	---	7	---	3	---	3	---	10	---	10
Pennsylvania.....	1	12	3	16	2	7	2	11	3	19	5	27
Rhode Island.....	---	1	---	1	---	---	---	---	---	1	---	1
South Carolina.....	1	15	4	20	4	15	---	19	5	30	4	39
South Dakota.....	---	1	---	1	---	---	---	---	---	1	---	1
Tennessee.....	---	10	---	10	---	8	---	8	---	18	---	18
Texas.....	1	35	2	38	8	45	12	65	9	80	14	103
Utah.....	---	4	3	7	1	3	---	4	1	7	3	11
Vermont.....	---	1	---	1	---	---	---	---	---	1	---	1
Virginia.....	1	10	5	16	---	5	---	5	1	15	5	21
Washington.....	---	11	1	12	---	4	---	4	---	15	1	16
West Virginia.....	---	8	---	8	---	1	---	1	---	9	---	9
Wisconsin.....	---	2	---	2	1	5	2	8	1	7	2	10
Wyoming.....	---	2	---	2	---	---	---	---	---	2	---	2
Unknown.....	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL.....	28	488	137	653	33	390	57	480	61	878	194	1,133

TABLE 35. TRAIN ACCIDENT AND TRAIN INCIDENT NONFATAL CASUALTIES TO TRESPASSERS AND NONTRESPASSERS, 1993

State	Trespassers				Nontrespassers				Total			
	Child	Adult	Unknown	Total	Child	Adult	Unknown	Total	Child	Adult	Unknown	Total
Alabama.....	1	8	1	10	3	40	1	44	4	48	2	54
Alaska.....	---	1	---	1	---	1	1	2	---	2	1	3
Arizona.....	2	9	1	12	---	4	4	8	2	13	5	20
Arkansas.....	3	7	---	10	1	43	---	44	4	50	---	54
California.....	4	29	19	52	---	12	21	33	4	41	40	85
Colorado.....	---	4	---	4	2	10	3	15	2	14	3	19
Connecticut.....	1	2	---	3	---	2	---	2	1	4	---	5
Delaware.....	---	1	---	1	---	4	2	6	---	5	2	7
Dist of Columbia.....	---	---	---	---	---	---	---	---	---	---	---	---
Florida.....	4	33	---	37	1	16	2	19	5	49	2	56
Georgia.....	2	22	1	25	6	49	1	56	8	71	2	81
Idaho.....	---	6	---	6	---	12	---	12	---	18	---	18
Illinois.....	11	42	6	59	5	60	7	72	16	102	13	131
Indiana.....	2	23	1	26	2	57	3	62	4	80	4	88
Iowa.....	2	3	4	9	1	30	9	40	3	33	13	49
Kansas.....	1	4	---	5	2	20	8	30	3	24	8	35
Kentucky.....	3	6	---	9	1	33	3	37	4	39	3	46
Louisiana.....	2	17	1	20	5	81	9	95	7	98	10	115
Maine.....	---	---	---	---	---	3	---	3	---	3	---	3
Maryland.....	---	4	---	4	---	6	---	6	---	10	---	10
Massachusetts....	1	3	1	5	---	1	---	1	1	4	1	6
Michigan.....	2	11	---	13	1	63	3	67	3	74	3	80
Minnesota.....	1	8	3	12	3	37	---	40	4	45	3	52
Mississippi.....	2	9	5	16	---	42	12	54	2	51	17	70
Missouri.....	---	7	---	7	2	25	3	30	2	32	3	37
Montana.....	---	1	1	2	---	3	1	4	---	4	2	6
Nebraska.....	1	5	---	6	2	17	---	19	3	22	---	25
Nevada.....	---	---	---	---	---	1	---	1	---	1	---	1
New Hampshire....	---	---	---	---	---	---	---	---	---	---	---	---
New Jersey.....	1	10	18	29	2	13	5	20	3	23	23	49
New Mexico.....	---	1	5	6	4	2	18	24	4	3	23	30
New York.....	3	21	4	28	1	9	1	11	4	30	5	39
North Carolina...	1	17	1	19	---	41	---	41	1	58	1	60
North Dakota.....	---	4	---	4	---	8	---	8	---	12	---	12
Ohio.....	2	21	---	23	10	72	6	88	12	93	6	111
Oklahoma.....	1	8	---	9	6	40	9	55	7	48	9	64
Oregon.....	2	12	---	14	---	6	---	6	2	18	---	20
Pennsylvania.....	5	27	4	36	---	25	10	35	5	52	14	71
Rhode Island.....	---	---	---	---	---	---	---	---	---	---	---	---
South Carolina...	1	11	---	12	6	24	1	31	7	35	1	43
South Dakota.....	1	---	---	1	2	6	---	8	3	6	---	9
Tennessee.....	1	11	1	13	3	25	1	29	4	36	2	42
Texas.....	8	71	1	80	13	113	34	160	21	184	35	240
Utah.....	---	8	---	8	---	5	---	5	---	13	---	13
Vermont.....	---	---	---	---	---	---	1	1	---	---	1	1
Virginia.....	2	9	3	14	---	20	---	20	2	29	3	34
Washington.....	1	13	---	14	2	10	1	13	3	23	1	27
West Virginia....	1	10	2	13	---	11	2	13	1	21	4	26
Wisconsin.....	2	3	---	5	5	64	11	80	7	67	11	85
Wyoming.....	---	2	---	2	---	2	---	2	---	4	---	4
Unknown.....	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL.....	77	524	83	684	91	1,168	193	1,452	168	1,692	276	2,136

TABLE 36: SUMMARY OF TRAIN-MILES OPERATED, 1993

Railroad	Locomotive Train Miles	Motor Train Miles	Yard/Switch Train Miles	Total Train Miles	Total Employee Hours	Passenger* Miles	Revenue Passengers
CLASS I RAILROADS							
Amtrak (Nat'l Railroad Passenger Co.)	34,944,913	5,404,708	2,306,640	42,656,261	48,496,787	6,378,550,389	38,373,528
Atchison, Topeka & Santa Fe Railway	44,093,275	0	4,169,220	48,262,495	27,575,775	0	0
Burlington Northern Railroad Co.	72,546,142	0	13,143,678	85,689,820	57,856,509	256,942,883	12,498,701
Chicago & North Western Trans.	15,332,861	0	3,279,690	18,612,551	13,843,384	533,448,598	24,237,701
Consolidated Rail Corp.	35,498,134	0	10,110,828	45,608,962	48,470,759	0	0
CSX Transportation	58,827,191	0	11,368,026	70,195,217	57,744,426	62,691,667	1,882,013
Denver & Rio Grande Western Railroad	5,760,644	0	0	5,760,644	4,934,749	0	0
Grand Trunk Western Railroad Inc.	3,710,170	0	1,491,162	5,201,332	5,728,113	0	0
Illinois Central Railroad Co.	5,659,428	0	1,014,022	6,673,450	6,799,564	0	0
Kansas City Southern Railway Co.	4,346,892	0	1,239,282	5,586,174	3,889,178	0	0
Norfolk Southern Corp.	45,990,741	0	7,936,812	53,927,553	48,319,231	11,472,932	669,835
Soo Line Railroad Co.	8,557,854	0	2,002,482	10,560,336	8,936,532	0	0
Southern Pacific Transportation Co.	31,438,335	0	6,240,319	37,678,654	32,279,095	0	0
St. Louis Southwestern Railway Co.	8,669,268	0	598,053	9,267,321	4,555,626	0	0
Union Pacific Railroad Co.	78,762,692	0	9,210,264	87,972,956	56,657,822	0	0
Total Class I Railroads.....	454,138,540	5,404,708	74,110,478	533,653,726	426,087,550	7,243,106,469	77,661,778
GROUP II RAILROADS **							
Alton & Southern Railroad	0	0	737,845	737,845	695,390	0	0
Alaska Railroad Corp.	830,388	45,864	150,573	1,026,825	1,147,290	14,622,908	453,178
Bangor & Aroostook Railroad	341,078	0	56,435	397,513	650,460	0	0
Bessemer & Lake Erie Railroad Co.	155,916	0	11,724	167,640	637,709	0	0
Belt Railway Company Of Chicago	43,090	0	316,357	359,447	1,096,467	0	0
Birmingham Southern Railroad Co.	37,598	0	53,358	90,956	437,430	0	0
Chicago, Central & Pacific Railroad	880,023	0	31,776	911,799	920,666	0	0
Cuyahoga Valley Railway Co.	0	0	26,971	26,971	435,869	0	0
Delaware & Hudson Railway Co.	2,014,580	0	65,215	2,079,795	1,529,172	0	0
Dakota, Minnesota & Eastern Railroad	641,493	0	0	641,493	527,626	0	0
Duluth, Missabe & Iron Range Railway	556,968	0	65,162	622,130	1,364,302	0	0
Elgin, Joliet & Eastern Railway Co.	232,099	0	282,013	514,112	1,584,248	0	0
Florida East Coast Railway Co.	2,532,884	0	565,916	3,098,800	1,945,736	0	0
Gateway Western Railway	437,563	0	126,056	563,619	408,914	0	0
Houston Belt & Terminal Railway Co.	0	0	831,320	831,320	952,137	0	0
Indiana Harbor Belt Railroad Co.	1,203,257	0	0	1,203,257	1,581,771	0	0
Long Island Rail Road	1,701,000	6,368,700	113,039	8,182,739	12,156,566	2,001,584,230	71,611,565
Metro North Commuter Railroad Co.	1,671,519	5,643,564	54,908	7,369,991	10,716,196	1,672,034,873	58,183,607
Montana Rail Link	3,708,973	0	132,460	3,841,433	2,002,041	0	0
Midsouth Railroad Corp.	712,534	0	198,660	911,194	805,950	0	0
Northern Indiana Commuter Trans.	0	712,641	0	712,641	475,705	96,826,116	3,388,511
Northeast Illinois Regional Comuter	3,107,299	0	69,045	3,176,344	4,533,038	606,677,604	31,451,536
New Jersey Transit Rail Operations	2,711,309	4,136,014	585,674	7,432,997	7,342,887	1,039,097,489	43,360,253
Paducah & Louisville Railway Co.	525,846	0	142,982	668,828	644,488	0	0
Port Authority Trans Hudson	0	1,602,778	22,397	1,625,175	2,617,188	266,355,717	55,859,362
Port Terminal Railroad Assoc.	0	0	1,022,160	1,022,160	786,057	0	0
Southeastern Pennsylvania Trans.	0	4,436,632	0	4,436,632	3,347,887	263,741,019	19,392,722
Southrail Corporation	469,356	0	81,268	550,624	592,934	0	0
Southern Pacific, Chicago-St. Louis	1,754,517	0	16	1,754,533	614,060	0	0
Springfield Terminal Railway Co.	961,813	0	120,131	1,081,944	2,406,471	0	0
Texas Mexican Railway Co.	132,641	0	136,422	269,063	486,285	0	0
Terminal Railroad Assoc. Of State Dock	0	0	492,192	492,192	598,009	0	0
Union Railroad Company (Pittsburgh)	0	0	151,626	151,626	719,421	0	0
Wisconsin Central Ltd. (also Railway)	2,525,942	0	496,698	3,022,640	2,699,277	35,635	372
Wheeling & Lake Erie Railway Co.	486,633	0	213,676	700,309	682,623	0	0
Total Group II Railroads **.....	30,376,319	22,946,193	7,354,075	60,676,587	70,142,270	5,960,975,591	283,701,106
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)							
Class I Railroads	454,138,540	5,404,708	74,110,478	533,653,726	426,087,550	7,243,106,469	77,661,778
Group II Railroads **	30,376,319	22,946,193	7,354,075	60,676,587	70,142,270	5,960,975,591	283,701,106
all Other Railroads	13,918,011	68,444	5,657,203	19,643,658	23,443,493	572,456,498	10,246,910
Total All Railroads	498,432,870	28,419,345	87,121,756	613,973,971	519,673,313	13,776,538,558	371,609,794

* 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, 1993

Railroad	<<.....COLLISIONS.....>>					<<.....DERAILMENTS.....>>						
	Human	Equip	Track	Other	Total	Damages	Human	Equip	Track	Other	Total	Damages
CLASS I RAILROADS												
Amtrak (Nat'l Railroad Passenger Corp.)	1	6	0	3	10	1,212,764	24	7	19	7	57	14,062,140
Atchison, Topeka & Santa Fe Railway	7	0	1	1	9	2,077,912	24	24	56	14	118	9,033,724
Burlington Northern Railroad Co.	11	1	0	6	18	6,069,848	76	60	160	42	338	26,430,315
Chicago & North Western Trans.	12	0	0	0	12	425,048	14	13	27	13	67	2,807,926
Consolidated Rail Corp.	11	0	2	0	13	232,751	52	20	55	17	144	4,260,574
CSX Transportation	19	0	1	1	21	645,200	31	22	50	24	127	16,411,139
Denver & Rio Grande Western Railroad	4	0	1	1	6	494,288	8	8	4	1	21	1,789,336
Grand Trunk Western Railroad Inc.	1	0	0	1	2	143,400	13	4	22	6	45	1,057,241
Illinois Central Railroad Co.	11	0	0	0	11	330,066	6	5	34	5	50	2,129,094
Kansas City Southern Railway Co.	4	0	0	0	4	59,018	2	3	10	6	21	941,724
Norfolk Southern Corp.	13	3	0	0	16	290,452	22	8	32	14	76	2,914,464
Soo Line Railroad Co.	2	0	0	1	3	257,603	19	13	33	2	67	2,395,015
Southern Pacific Transportation Co.	12	1	1	1	15	2,411,405	38	10	60	14	122	9,174,602
St. Louis Southwestern Railway Co.	4	0	1	0	5	169,115	5	2	9	3	19	1,128,705
Union Pacific Railroad Co.	17	2	2	1	22	5,118,910	104	58	127	43	332	21,115,910
Total Class I Railroads.....	129	13	9	16	167	19,937,780	438	257	698	211	1,604	115,651,909
GROUP II RAILROADS **												
Alton & Southern Railroad	4	0	0	0	4	85,657	4	3	0	0	7	161,532
Alaska Railroad Corporation	1	0	0	0	1	33,500	1	0	2	3	6	492,479
Bangor & Aroostook Railroad	0	0	0	0	0	0	0	1	2	3	6	153,133
Bessemer & Lake Erie Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0
Belt Railway Company Of Chicago	5	0	2	0	7	189,520	2	0	23	2	27	1,102,377
Birmingham Southern Railroad Co.	1	0	0	0	1	40,000	0	0	0	0	0	0
Chicago, Central & Pacific Railroad Co.	1	0	0	0	1	304,200	1	0	11	0	12	578,765
Cuyahoga Valley Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0
Delaware & Hudson Railway Co.	1	1	0	0	2	12,000	0	1	4	1	6	1,416,757
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	4	2	21	3	30	1,400,835
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	0	0	2	1	0	3	250,066
Elgin, Joliet & Eastern Railway Co.	1	0	0	0	1	19,000	2	0	1	0	3	54,620
Florida East Coast Railway Co.	0	0	0	0	0	0	1	0	7	0	8	99,068
Gateway Western Railway	0	0	0	0	0	0	1	1	1	0	3	25,900
Houston Belt & Terminal Railway Co.	1	0	0	0	1	19,650	3	0	9	1	13	116,029
Indiana Harbor Belt Railroad Co.	1	0	0	3	4	82,064	6	1	8	3	18	251,552
Long Island Rail Road	0	0	0	1	1	61,372	4	0	7	2	13	1,193,719
Metro North Commuter Railroad Co.	1	0	0	1	2	210,000	0	0	1	0	1	32,653
Montana Rail Link	5	0	0	0	5	246,275	4	12	6	1	23	1,612,850
Midsouth Railroad Corp.	2	0	1	0	3	55,627	4	1	5	0	10	186,159
Northern Indiana Commuter Trans.	1	0	0	0	1	854,500	0	0	0	0	0	0
Northeast Illinois Regional Comuter	0	0	0	0	0	0	0	0	0	0	0	0
New Jersey Transit Rail Operations	1	0	0	0	1	22,365	0	1	0	3	4	155,500
Paducah & Louisville Railway Co.	1	0	0	0	1	10,300	0	2	0	0	2	401,450
Port Authority Trans Hudson	0	1	0	0	1	10,762	0	1	0	0	1	7,870
Port Terminal Railroad Assoc.	5	0	0	0	5	117,557	0	1	4	2	7	349,673
Southeastern Pennsylvania Trans.	1	1	0	1	3	215,960	1	0	0	1	2	176,000
Southern Pacific Corporation	0	0	0	0	0	0	0	0	9	0	9	505,030
Southern Pacific, Chicago-St. Louis	0	0	0	1	1	2,795,100	2	2	3	0	7	134,943
Springfield Terminal Railway Co.	1	0	0	0	1	62,408	1	0	7	1	9	672,087
Texas Mexican Railway Co.	0	0	0	0	0	0	3	0	1	0	4	332,366
Terminal Railroad Assoc. Of State Dock	0	0	0	0	0	0	3	1	15	0	19	450,183
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	0	3	0	3	31,704
Wisconsin Central Ltd. (also Railway)	2	0	1	1	4	193,420	1	3	12	2	18	1,192,739
Wheeling & Lake Erie Railway Co.	0	0	0	0	0	0	0	1	5	2	8	289,342
Total Group II Railroads **.....	36	3	4	8	51	5,641,237	48	36	168	30	282	13,827,381
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)												
Class I Railroads	117	13	9	13	152	19,937,780	400	239	641	199	1,479	115,651,909
Group II Railroads **	34	1	4	4	43	5,641,237	41	33	146	27	247	13,827,381
All Other Railroads	8	1	0	1	10	572,783	29	15	139	21	204	10,342,159
Total All Railroads	159	15	13	18	205	26,151,800	470	287	926	247	1,930	139,821,449

** 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, 1993

Railroad	<<.....OTHER ACCIDENTS.....>>					<<.....TOTAL S.....>>			
	Human	Equip	Track	Other	Total	Damages	Accs	Rate*	Damages
CLASS I RAILROADS									
Amtrak (Nat'l Railroad Passenger Corp.)	2	3	3	49	57	6,099,384	124	2.91	21,374,288
Atchison, Topeka & Santa Fe Railway C	27	3	3	14	47	816,742	174	3.61	11,928,378
Burlington Northern Railroad Co.	53	7	8	39	107	4,014,135	463	5.40	36,514,298
Chicago & North Western Trans.	10	2	0	4	16	459,438	95	5.10	3,692,412
Consolidated Rail Corp.	8	1	2	22	33	801,772	190	4.17	5,295,097
CSX Transportation	4	0	3	29	36	2,280,830	184	2.62	19,337,169
Denver & Rio Grande Western Railroad	4	1	0	1	6	76,233	33	5.73	2,359,857
Grand Trunk Western Railroad Inc.	0	0	0	0	0	0	47	9.04	1,200,641
Illinois Central Railroad Co.	5	0	1	2	8	221,825	69	10.34	2,680,985
Kansas City Southern Railway Co.	5	1	0	2	8	291,812	33	5.91	1,292,554
Norfolk Southern Corp.	2	2	0	24	28	788,001	120	2.23	3,992,917
Soo Line Railroad Co.	9	1	3	11	24	318,493	94	8.90	2,971,111
Southern Pacific Transportation Co.	15	1	2	21	39	823,028	176	4.67	12,409,035
St. Louis Southwestern Railway Co.	0	1	0	5	6	1,013,637	30	3.24	2,311,457
Union Pacific Railroad Co.	54	7	24	36	121	2,720,326	475	5.40	28,955,146
Total Class I Railroads.....	198	30	49	259	536	20,725,656	2,307	4.32	156,315,345
GROUP II RAILROADS **									
Alton & Southern Railroad	0	0	0	0	0	0	11	14.91	247,189
Alaska Railroad Corp.	0	0	0	3	3	30,250	10	9.74	556,229
Bangor & Aroostook Railroad	0	0	0	0	0	0	6	15.09	153,133
Bessemer & Lake Erie Railroad Co.	0	0	0	0	0	0	0	0.00	0
Belt Railway Company Of Chicago	4	0	17	2	23	371,920	57	158.58	1,663,817
Birmingham Southern Railroad Co.	0	0	0	0	0	0	1	10.99	40,000
Chicago, Central & Pacific Railroad Co.	1	0	0	1	2	7,750	15	16.45	890,715
Cuyahoga Valley Railway Co.	0	0	0	0	0	0	0	0.00	0
Delaware & Hudson Railway Co.	0	0	0	0	0	0	8	3.85	1,428,757
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	30	46.77	1,400,835
Duluth, Missabe & Iron Range Railway	0	0	0	1	1	41,101	4	6.43	291,167
Elgin, Joliet & Eastern Railway Co.	0	0	0	0	0	0	4	7.78	73,620
Florida East Coast Railway Co.	0	0	0	1	1	27,000	9	2.90	126,068
Gateway Western Railway	3	0	0	0	3	48,550	6	10.65	74,450
Houston Belt & Terminal Railway Co.	4	0	0	0	4	59,852	18	21.65	195,531
Indiana Harbor Belt Railroad Co.	2	0	0	1	3	29,531	25	20.78	363,147
Long Island Rail Road	2	1	0	7	10	280,464	24	2.93	1,535,555
Metro North Commuter Railroad Co.	0	8	11	8	27	612,551	30	4.07	855,204
Montana Rail Link	6	0	0	2	8	165,600	36	9.37	2,024,725
Midsouth Railroad Corp.	0	0	0	0	0	0	13	14.27	241,786
Northern Indiana Commuter Trans.	0	0	0	1	1	54,114	2	2.81	908,614
Northeast Illinois Regional Comuter	0	0	0	0	0	0	0	0.00	0
New Jersey Transit Rail Operations	3	16	0	9	28	859,172	33	4.44	1,037,037
Paducah & Louisville Railway Co.	0	0	0	0	0	0	3	4.49	411,750
Port Authority Trans Hudson	0	1	0	1	2	17,971	4	2.46	36,603
Port Terminal Railroad Assoc.	6	0	0	0	6	143,854	18	17.61	611,084
Southeastern Pennsylvania Trans.	2	2	0	2	6	308,830	11	2.48	700,790
Southrail Corporation	0	0	0	0	0	0	9	16.35	505,030
Southern Pacific, Chicago-St. Louis Co.	1	1	0	5	7	63,789	15	8.55	2,993,832
Springfield Terminal Railway Co.	0	0	1	0	1	22,781	11	10.17	757,276
Texas Mexican Railway Co.	0	0	0	0	0	0	4	14.87	332,366
Terminal Railroad Assoc. Of State Dock	0	0	0	0	0	0	19	38.60	450,183
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	3	19.79	31,704
Wisconsin Central Ltd. (also Railway)	8	0	0	3	11	222,190	33	10.92	1,608,349
Wheeling & Lake Erie Railway Co.	0	0	0	0	0	0	8	11.42	289,342
Total Group II Railroads **.....	42	29	29	47	147	3,367,270	480	7.91	22,835,888
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)									
Class I Railroads	193	29	48	224	494	20,725,656	2,125	3.98	156,315,345
Group II Railroads **	39	27	27	37	130	3,367,270	420	6.92	22,835,888
All Other Railroads	5	2	3	16	26	838,885	240	12.22	11,753,827
Total All Railroads	237	58	78	277	650	24,931,811	2,785	4.54	190,905,060

* 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, 1993

Railroad	<<...TRAIN ACCIDENTS...>>							<<...TRAIN INCIDENTS...>>						
	Eod	Enod	Psgr	Nont	Tres	Contr	Total	Eod	Enod	Psgr	Nont	Tres	Contr	Total
CLASS I RAILROADS														
Amtrak (Nat'l. Railroad Passenger Corp.)	3	2	42	13	9	0	69	0	0	0	15	125	1	141
Atchison, Topeka & Santa Fe Railway	1	0	0	2	0	0	3	3	0	0	37	20	0	60
Burlington Northern Railroad Co.	3	0	0	0	0	0	3	1	0	0	36	42	0	79
Chicago & North Western Trans.	0	0	0	1	0	0	1	0	0	0	7	18	0	25
Consolidated Rail Corp.	0	0	0	1	0	0	1	6	1	0	29	59	0	95
CSX Transportation	0	0	0	1	2	0	3	1	0	0	36	72	0	109
Denver & Rio Grande Western Railroad	0	0	0	2	0	0	2	0	0	0	1	2	0	3
Grand Trunk Western Railroad Inc.	0	0	0	0	1	0	1	1	0	0	10	4	0	15
Illinois Central Railroad Co.	0	0	0	0	0	0	0	3	0	0	11	3	0	17
Kansas City Southern Railway Co.	0	0	0	0	0	0	0	0	0	0	6	9	0	15
Norfolk Southern Corp.	0	0	0	4	0	0	4	1	0	0	97	61	0	159
Soo Line Railroad Co.	1	0	0	2	0	0	3	0	0	0	11	1	0	12
Southern Pacific Transportation Co.	0	0	0	3	3	0	6	2	0	0	22	50	0	74
St. Louis Southwestern Railway Co.	0	0	0	1	0	0	1	0	0	0	5	4	0	9
Union Pacific Railroad Co.	3	0	0	9	1	0	13	1	0	0	79	61	3	144
Total Class I Railroads.....	11	2	42	39	16	0	110	19	1	0	402	531	4	957
GROUP II RAILROADS **														
Alton & Southern Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alaska Railroad Corp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bangor & Aroostook Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bessemer & Lake Erie Railroad Co.	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	0	0	0	0	0	0	0
Birmingham Southern Railroad Co.	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Chicago, Central & Pacific Railroad Co.	0	0	0	0	0	0	0	0	0	0	2	0	0	2
Cuyahoga Valley Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delaware & Hudson Railway Co.	0	0	0	0	0	0	0	0	0	0	0	7	0	7
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	2	0	2
Elgin, Joliet & Eastern Railway Co.	0	0	0	0	0	0	0	0	0	0	1	2	0	3
Florida East Coast Railway Co.	0	0	0	0	0	0	0	0	0	0	1	18	0	19
Gateway Western Railway	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Indiana Harbor Belt Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Island Rail Road	0	0	0	0	1	0	1	0	0	6	0	15	0	21
Metro North Commuter Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	5	0	5
Montana Rail Link	0	0	0	0	0	0	0	0	0	0	5	4	0	9
Midsouth Railroad Corp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Northern Indiana Commuter Trans.	0	0	7	1	0	0	8	0	0	0	0	0	0	0
Northeast Illinois Regional Comuter	0	0	0	0	0	0	0	0	0	0	0	8	0	8
New Jersey Transit Rail Operations	0	0	0	0	0	0	0	0	0	0	0	12	0	12
Paducah & Louisville Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Port Authority Trans Hudson	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Port Terminal Railroad Assoc.	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Southeastern Pennsylvania Trans.	0	0	0	0	0	0	0	1	0	1	1	3	0	6
Southrail Corporation	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Southern Pacific, Chicago-St. Louis	1	0	0	0	0	0	1	0	0	0	4	0	0	4
Springfield Terminal Railway Co.	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Texas Mexican Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terminal Railroad Assoc. Of State Dock	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	1	0	0	1	0	0	0	3	0	0	3
Wheeling & Lake Erie Railway Co.	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Group II Railroads **.....	1	0	7	2	1	0	11	1	0	8	22	78	0	109
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)														
Class I Railroads	11	2	42	39	16	0	110	19	1	0	402	531	4	957
Group II Railroads **	1	0	7	2	1	0	11	1	0	8	22	78	0	109
All Other Railroads	2	0	0	1	1	0	4	1	0	0	10	26	0	37
Total All Railroads	14	2	49	42	18	0	125	21	1	8	434	635	4	1,103

** 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, 1993

Railroad	<< NON - TRAIN INCIDENTS >>							<<.....T O T A L S.....>>						
	Eod	Enod	Psgr	Mont	Tres	Contr	Total	Eod	Enod	Psgr	Mont	Tres	Contr	Total
CLASS I RAILROADS														
Amtrak (Nat'l. Railroad Passenger Corp.)	1	0	0	2	0	1	4	4	2	42	30	134	2	214
Atchison, Topeka & Santa Fe Railway	2	0	0	3	0	0	5	6	0	0	42	20	0	68
Burlington Northern Railroad Co.	0	0	0	1	8	0	9	4	0	0	37	50	0	91
Chicago & North Western Tran.	0	0	0	1	0	0	1	0	0	0	9	18	0	27
Consolidated Rail Corp.	0	0	0	1	0	0	1	6	1	0	31	59	0	97
CSX Transportation	2	0	0	0	0	0	2	3	0	0	37	74	0	114
Denver & Rio Grande Western Railroad	0	0	0	0	0	0	0	0	0	0	3	2	0	5
Grand Trunk Western Railroad Inc.	0	0	0	0	0	0	0	1	0	0	10	5	0	16
Illinois Central Railroad Co.	0	0	0	0	0	0	0	3	0	0	11	3	0	17
Kansas City Southern Railway Co.	0	0	0	0	0	0	0	0	0	0	6	9	0	15
Norfolk Southern Corp.	0	0	0	1	2	0	3	1	0	0	102	63	0	166
Soo Line Railroad Co.	1	0	0	0	1	0	2	2	0	0	13	2	0	17
Southern Pacific Transportation Co.	0	0	0	0	2	0	2	2	0	0	25	55	0	82
St. Louis Southwestern Railway Co.	1	0	0	0	0	0	1	1	0	0	6	4	0	11
Union Pacific Railroad Co.	3	0	0	0	4	0	7	7	0	0	88	66	3	164
Total Class I Railroads.....	10	0	0	9	17	1	37	40	3	42	450	564	5	1,104
GROUP II RAILROADS **														
Alton & Southern Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alaska Railroad Corp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bangor & Aroostook Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bessemer & Lake Erie Railroad Co.	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	0	0	0	0	0	0	0
Birmingham Southern Railroad Co.	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Chicago, Central & Pacific Railroad Co.	0	0	0	0	0	0	0	0	0	0	2	0	0	2
Cuyahoga Valley Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delaware & Hudson Railway Co.	0	0	0	0	0	0	0	0	0	0	0	7	0	7
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	2	0	2
Elgin, Joliet & Eastern Railway Co.	0	0	0	0	0	0	0	0	0	0	1	2	0	3
Florida East Coast Railway Co.	0	0	0	0	1	0	1	0	0	0	1	19	0	20
Gateway Western Railway	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Indiana Harbor Belt Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Island Rail Road	0	0	0	0	0	0	0	0	0	6	0	16	0	22
Metro North Commuter Railroad Co.	0	1	0	0	1	0	2	0	1	0	0	6	0	7
Montana Rail Link	0	0	0	0	0	0	0	0	0	0	5	4	0	9
Midsouth Railroad Corp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Northern Indiana Commuter Trans.	0	0	0	1	0	0	1	0	0	7	2	0	0	9
Northeast Illinois Regional Comuter	2	0	0	0	0	0	2	2	0	0	0	8	0	10
New Jersey Transit Rail Operations	0	0	0	0	0	0	0	0	0	0	0	12	0	12
Paducah & Louisville Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Port Authority Trans Hudson	0	0	1	0	0	0	1	0	0	2	0	0	0	2
Port Terminal Railroad Assoc.	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Southeastern Pennsylvania Trans.	0	0	0	1	1	1	3	1	0	1	2	4	1	9
Southrail Corporation	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	0	1	0	0	4	0	0	5
Springfield Terminal Railway Co.	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Texas Mexican Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terminal Railroad Assoc. Of State Dock	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	4	0	0	4
Wheeling & Lake Erie Railway Co.	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Group II Railroads **.....	2	1	1	2	3	1	10	4	1	16	26	82	4	130
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)														
Class I Railroads	10	0	0	9	17	1	37	40	3	42	450	564	5	1,104
Group II Railroads **	2	1	1	2	3	1	10	4	1	16	26	82	1	130
All Other Railroads	0	0	0	2	2	0	4	3	0	0	13	29	0	45
Total All Railroads	12	1	1	13	22	2	51	47	4	58	489	675	6	1,279

** 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, 1993

Railroad	<<.....TRAIN ACCIDENTS.....>>							<<.....TRAIN INCIDENTS.....>>						
	Eod	Enod	Psgr	Mont	Tres	Contr	Total	Eod	Enod	Psgr	Mont	Tres	Contr	Total
CLASS I RAILROADS														
Amtrak (Nat'l Railroad Passenger Corp.)	46	12	139	9	3	0	209	159	18	43	20	26	0	266
Atchison, Topeka & Santa Fe Railway	12	0	0	3	0	0	15	73	0	0	96	25	0	194
Burlington Northern Railroad Co.	42	0	0	3	2	0	47	177	2	0	100	47	2	328
Chicago & North Western Trans.	2	0	0	0	1	0	3	21	0	3	38	18	2	82
Consolidated Rail Corp.	9	0	0	1	0	0	10	144	0	0	82	59	2	287
CSX Transportation	12	0	0	4	0	0	16	78	1	0	180	88	0	347
Denver & Rio Grande Western Railroad	3	0	0	0	0	0	3	9	0	0	6	0	0	15
Grand Trunk Western Railroad Inc.	6	0	0	0	0	0	6	61	0	0	16	6	0	83
Illinois Central Railroad Co.	2	0	0	1	0	0	3	24	0	0	50	9	0	83
Kansas City Southern Railway Co.	0	0	0	0	0	0	0	12	0	0	52	8	0	72
Norfolk Southern Corp.	7	0	0	15	0	0	22	56	0	0	193	94	3	346
Soo Line Railroad Co.	5	0	0	2	0	0	7	48	0	0	36	3	0	87
Southern Pacific Transportation Co.	9	0	0	2	0	0	11	122	0	0	68	61	1	252
St. Louis Southwestern Railway Co.	3	0	0	2	0	0	5	12	0	0	23	2	0	37
Union Pacific Railroad Co.	32	1	0	9	2	0	44	355	1	0	149	97	3	605
Total Class I Railroads.....	190	13	139	51	8	0	401	1,351	22	46	1,109	543	13	3,084
GROUP II RAILROADS **														
Alton & Southern Railroad	1	0	0	0	0	0	1	2	0	0	0	0	0	2
Alaska Railroad Corp.	4	0	0	1	0	0	5	6	0	1	1	1	0	9
Bangor & Aroostook Railroad	0	0	0	0	0	0	0	7	0	0	2	0	0	9
Bessemer & Lake Erie Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Belt Railway Company Of Chicago	3	0	0	0	0	0	3	1	0	0	2	0	0	3
Birmingham Southern Railroad Co.	0	0	0	0	0	0	0	1	0	0	1	0	0	2
Chicago, Central & Pacific Railroad Co.	0	0	0	0	0	0	0	7	0	0	14	0	0	21
Cuyahoga Valley Railway Co.	0	0	0	0	0	0	0	6	0	0	0	0	0	6
Delaware & Hudson Railway Co.	0	0	0	0	0	0	0	5	0	0	0	9	0	14
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	0	3	0	0	11	0	0	14
Duluth, Missabe & Iron Range Railway	0	0	0	0	1	0	1	6	0	0	1	0	0	7
Elgin, Joliet & Eastern Railway Co.	0	0	0	0	0	0	0	3	0	0	1	2	0	6
Florida East Coast Railway Co.	0	0	0	0	0	0	0	6	0	0	2	15	0	23
Gateway Western Railway	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0	1	0	0	1	0	0	2
Indiana Harbor Belt Railroad Co.	0	0	0	0	0	0	0	3	0	0	0	10	0	13
Long Island Rail Road	1	0	0	0	0	0	1	38	0	27	2	8	0	75
Metro North Commuter Railroad Co.	1	0	1	0	0	0	2	22	1	0	1	5	0	29
Montana Rail Link	1	0	0	0	0	0	1	9	0	0	1	2	0	12
Midsouth Railroad Corp.	0	0	0	0	0	0	0	2	0	0	9	0	0	11
Northern Indiana Commuter Trans.	16	0	25	0	0	0	41	0	0	1	2	0	0	3
Northeast Illinois Regional Comuter	0	0	0	0	0	0	0	6	0	5	0	10	0	21
New Jersey Transit Rail Operations	4	0	0	1	0	0	5	18	1	18	3	18	0	58
Paducah & Louisville Railway Co.	0	0	0	0	0	0	0	4	0	0	3	1	0	8
Port Authority Trans Hudson	3	0	0	0	0	0	3	9	0	2	5	0	0	16
Port Terminal Railroad Assoc.	0	0	0	0	0	0	0	2	0	0	2	1	0	5
Southeastern Pennsylvania Trans.	1	0	0	1	1	0	3	23	0	0	2	1	0	26
Southern Pacific, Chicago-St. Louis	2	0	0	0	0	0	2	9	0	0	0	0	0	9
Springfield Terminal Railway Co.	0	0	0	0	0	0	0	3	0	0	1	1	0	5
Texas Mexican Railway Co.	0	0	0	0	0	0	0	5	0	0	0	1	0	6
Terminal Railroad Assoc. Of State Dock	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	5	0	0	0	0	0	5
Wisconsin Central Ltd. (also Railway)	0	0	0	0	0	0	0	10	0	0	48	3	0	61
Wheeling & Lake Erie Railway Co.	0	0	0	0	0	0	0	0	0	0	16	0	0	16
Total Group II Railroads **.....	37	0	26	3	2	0	68	224	2	54	141	89	0	510
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)														
Class I Railroads	190	13	139	51	8	0	401	1,351	22	46	1,109	543	13	3,084
Group II Railroads **	37	0	26	3	2	0	68	224	2	54	141	89	0	510
All Other Railroads	11	0	0	4	2	0	17	162	0	14	130	40	1	347
Total All Railroads	238	13	165	58	12	0	486	1,737	24	114	1,380	672	14	3,941

** 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, 1993

Railroad	<<... NON-TRAIN INCIDENTS >>						<<.....T O T A L S.....>>							
	Eod	Enod	Psgr	Mont	Tres	Contr	Total	Eod	Enod	Psgr	Mont	Tres	Contr	Total
CLASS I RAILROADS														
Amtrak (Nat'l Railroad Passenger Corp)	1,093	71	97	55	1	10	1,327	1,298	101	279	84	30	10	1,802
Atchison, Topeka & Santa Fe Railway	667	12	0	2	1	2	684	752	12	0	101	26	2	893
Burlington Northern Railroad Co.	1,834	25	0	7	6	56	1,928	2,053	27	0	110	55	58	2,303
Chicago & North Western Trans.	245	3	10	11	0	0	269	268	3	13	49	19	2	354
Consolidated Rail Corp.	1,147	36	0	15	2	32	1,232	1,300	36	0	98	61	34	1,529
CSX Transportation	698	25	0	4	1	0	728	788	26	0	188	89	0	1,091
Denver & Rio Grande Western Railroad	138	4	0	0	0	0	142	150	4	0	6	0	0	160
Grand Trunk Western Railroad Inc.	394	5	0	2	1	0	402	461	5	0	18	7	0	491
Illinois Central Railroad Co.	98	0	0	0	0	0	98	124	0	0	51	9	0	184
Kansas City Southern Railway Co.	38	0	0	0	0	0	38	50	0	0	52	8	0	110
Norfolk Southern Corp.	434	35	1	15	3	91	579	497	35	1	223	97	94	947
Soo Line Railroad Co.	440	2	0	6	3	0	451	493	2	0	44	6	0	545
Southern Pacific Transportation Co.	855	14	0	4	2	3	878	986	14	0	74	63	4	1,141
St. Louis Southwestern Railway Co.	101	2	0	0	0	0	103	116	2	0	25	2	0	145
Union Pacific Railroad Co.	1,459	27	0	21	3	15	1,525	1,846	29	0	179	102	18	2,174
Total Class I Railroads.....	9,641	261	108	142	23	209	10,384	11,182	296	293	1,302	574	222	13,869
GROUP II RAILROADS **														
Alton & Southern Railroad	9	0	0	0	0	0	9	12	0	0	0	0	0	12
Alaska Railroad Corp.	33	0	0	0	0	2	35	43	0	1	2	1	2	49
Bangor & Aroostook Railroad	41	0	0	0	0	0	41	48	0	0	2	0	0	50
Bessemer & Lake Erie Railroad Co.	5	0	0	0	0	0	5	5	0	0	0	0	0	5
Belt Railway Company Of Chicago	17	1	0	0	0	0	18	21	1	0	2	0	0	24
Birmingham Southern Railroad Co.	11	0	0	0	0	0	11	12	0	0	1	0	0	13
Chicago, Central & Pacific Railroad Co.	27	1	0	0	0	0	28	34	1	0	14	0	0	49
Cuyahoga Valley Railway Co.	31	0	0	0	0	0	31	37	0	0	0	0	0	37
Delaware & Hudson Railway Co.	21	0	0	0	5	0	26	26	0	0	0	14	0	40
Dakota, Minnesota & Eastern Railroad	34	0	0	3	0	0	37	37	0	0	14	0	0	51
Duluth, Missabe & Iron Range Railway	54	0	0	24	0	0	78	60	0	0	25	1	0	86
Elgin, Joliet & Eastern Railway Co.	28	0	0	0	0	0	28	31	0	0	1	2	0	34
Florida East Coast Railway Co.	27	0	0	0	2	0	29	33	0	0	2	17	0	52
Gateway Western Railway	6	1	0	0	0	0	7	7	1	0	0	0	0	8
Houston Belt & Terminal Railway Co.	18	0	0	0	0	0	18	19	0	0	1	0	0	20
Indiana Harbor Belt Railroad Co.	51	0	0	0	4	0	55	54	0	0	0	14	0	68
Long Island Rail Road	647	13	19	47	3	3	732	686	13	46	49	11	3	808
Metro North Commuter Railroad Co.	540	22	4	18	1	10	595	563	23	5	19	6	10	626
Montana Rail Link	59	0	0	1	0	0	60	69	0	0	2	2	0	73
Midsouth Railroad Corp.	8	0	0	2	1	0	11	10	0	0	11	1	0	22
Northern Indiana Commuter Trans.	46	0	3	2	0	0	51	62	0	29	4	0	0	95
Northeast Illinois Regional Comuter	87	1	36	8	3	4	139	93	1	41	8	13	4	160
New Jersey Transit Rail Operations	198	6	57	58	5	0	324	220	7	75	62	23	0	387
Paducah & Louisville Railway Co.	29	0	0	0	0	0	29	33	0	0	3	1	0	37
Port Authority Trans Hudson	210	0	6	76	0	1	293	222	0	8	81	0	1	312
Port Terminal Railroad Assoc.	18	0	0	0	0	0	18	20	0	0	2	1	0	23
Southeastern Pennsylvania Trans.	182	0	29	21	0	0	232	206	0	29	24	2	0	261
Southrail Corporation	5	0	0	0	0	0	5	6	0	0	10	1	0	17
Southern Pacific, Chicago-St. Louis	17	0	0	0	0	0	17	28	0	0	0	0	0	28
Springfield Terminal Railway Co.	47	0	0	0	0	0	47	50	0	0	1	1	0	52
Texas Mexican Railway Co.	35	1	0	0	0	0	36	40	1	0	0	1	0	42
Terminal Railroad Assoc. Of State Dock	10	0	0	0	0	0	10	10	0	0	0	0	0	10
Union Railroad Company (Pittsburgh)	19	1	0	0	0	0	20	24	1	0	0	0	0	25
Wisconsin Central Ltd. (also Railway)	78	0	0	1	0	2	81	88	0	0	49	3	2	142
Wheeling & Lake Erie Railway Co.	10	0	0	0	0	0	10	10	0	0	16	0	0	26
Total Group II Railroads **.....	2,658	47	154	261	24	22	3,166	2,919	49	234	405	115	22	3,744
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)														
Class I Railroads	9,641	261	108	142	23	209	10,384	11,182	296	293	1,302	574	222	13,869
Group II Railroads **	2,658	47	154	261	24	22	3,166	2,919	49	234	405	115	22	3,744
All Other Railroads	1,089	3	18	15	2	17	1,144	1,262	3	32	149	44	18	1,508
Total All Railroads	13,388	311	280	418	49	248	14,694	15,363	348	559	1,856	733	262	19,121

** 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, 1993

Railroad	<<.....AMPUTATIONS.....>>						<<.....FRACTURES.....>>					
	Arm/ Hand	Finger	Leg/ Foot	Toe	Other Part	Total	Arm/ Hand	Finger	Leg/ Foot	Toe	Other Part	Total
CLASS I RAILROADS												
Amtrak (Nat'l Railroad Passenger Corp.)	0	3	0	0	0	3	9	20	24	8	8	69
Atchison, Topeka & Santa Fe Railway	0	3	1	0	0	4	7	19	18	2	7	53
Burlington Northern Railroad Co.	0	6	2	1	0	9	19	33	33	8	13	106
Chicago & North Western Trans.	0	0	0	0	0	0	6	8	5	2	0	21
Consolidated Rail Corp.	0	6	3	0	0	9	23	33	24	9	21	110
CSX Transportation	0	4	0	2	0	6	12	16	11	9	17	65
Denver & Rio Grande Western Railroad	0	0	0	0	0	0	0	5	3	0	0	8
Grand Trunk Western Railroad Inc.	0	0	0	0	0	0	0	0	5	1	2	8
Illinois Central Railroad Co.	0	0	0	0	0	0	1	4	3	1	3	12
Kansas City Southern Railway Co.	0	0	0	0	0	0	1	0	0	0	1	2
Norfolk Southern Corp.	0	2	0	0	0	2	16	16	15	4	13	64
Soo Line Railroad Co.	0	0	2	2	0	4	4	13	5	2	7	31
Southern Pacific Transportation Co.	0	0	2	0	0	2	9	12	14	6	9	50
St. Louis Southwestern Railway Co.	0	1	0	0	0	1	1	3	2	1	0	7
Union Pacific Railroad Co.	1	4	2	1	0	8	18	40	23	7	29	117
Total Class I Railroads.....	1	29	12	6	0	48	126	222	185	60	130	723
GROUP II RAILROADS **												
Alton & Southern Railroad	0	0	0	0	0	0	0	0	1	0	0	1
Alaska Railroad Corp.	0	0	0	0	0	0	0	1	2	0	1	4
Bangor & Aroostook Railroad	0	1	0	0	0	1	0	1	2	0	0	3
Bessemer & Lake Erie Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0
Belt Railway Company Of Chicago	0	0	0	0	0	0	0	0	1	1	1	3
Birmingham Southern Railroad Co.	0	0	0	0	0	0	0	0	0	0	1	1
Chicago, Central & Pacific Railroad Co.	0	0	0	0	0	0	0	0	1	0	0	1
Cuyahoga Valley Railway Co.	0	0	0	0	0	0	0	0	0	0	2	2
Delaware & Hudson Railway Co.	0	0	0	0	0	0	0	3	1	0	0	4
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	1	1	2	0	0	4
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	0	0	0	0	1	0	1
Elgin, Joliet & Eastern Railway Co.	0	0	0	0	0	0	1	2	0	0	0	3
Florida East Coast Railway Co.	0	1	0	0	0	1	1	0	0	0	1	2
Gateway Western Railway	0	0	0	0	0	0	0	0	0	0	0	0
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0	1	1	0	0	2
Indiana Harbor Belt Railroad Co.	0	0	0	0	0	0	1	2	1	0	0	4
Long Island Rail Road	0	0	0	0	0	0	2	3	5	2	2	14
Metro North Commuter Railroad Co.	0	2	0	0	0	2	4	11	6	5	3	29
Montana Rail Link	0	1	0	0	0	1	0	0	0	0	0	0
Midsouth Railroad Corp.	0	0	0	0	0	0	0	0	0	0	0	0
Northern Indiana Commuter Trans.	0	0	0	0	0	0	1	0	0	0	0	1
Northeast Illinois Regional Commuter	0	0	0	0	0	0	2	1	3	0	2	8
New Jersey Transit Rail Operations	0	0	0	0	0	0	2	10	3	2	2	19
Paducah & Louisville Railway Co.	0	0	0	0	0	0	0	2	1	0	0	3
Port Authority Trans Hudson	0	0	0	0	0	0	1	4	0	0	1	6
Port Terminal Railroad Assoc.	0	0	1	0	0	1	0	0	0	0	0	0
Southeastern Pennsylvania Trans.	0	0	0	0	0	0	3	7	5	0	1	16
Southrail Corporation	0	0	0	0	0	0	0	0	0	0	0	0
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	1	0	0	0	1	2
Springfield Terminal Railway Co.	0	0	0	0	0	0	3	0	3	0	1	7
Texas Mexican Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0
Terminal Railroad Assoc. Of State Dock	0	1	0	0	0	1	0	0	0	0	0	0
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	3	1	0	0	4
Wisconsin Central Ltd. (also Railway)	0	0	0	0	0	0	0	4	0	0	1	5
Wheeling & Lake Erie Railway Co.	0	0	0	0	0	0	0	2	0	0	0	2
Total Group II Railroads **.....	0	6	1	0	0	7	23	58	39	11	20	151
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)												
Class I Railroads	1	29	12	6	0	48	126	222	185	60	130	723
Group II Railroads **	0	6	1	0	0	7	23	58	39	11	20	151
All Other Railroads	0	1	1	0	0	2	20	33	28	7	12	100
Total All Railroads	1	36	14	6	0	57	169	313	252	78	162	974

** 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, 1993

Railroad	OTHER INJURIES							Other	Total	TOTALS
	Bruise	Sprain/ Strain	Cut	Elec Burn	Other Burns	Dislo- cation	Object in-eye			
CLASS I RAILROADS										
Amtrak (Nat'l Railroad Passenger Corp.)	253	579	165	13	16	7	29	152	1,214	1,286
Atchison, Topeka & Santa Fe Railway	126	403	67	2	11	4	35	40	688	745
Burlington Northern Railroad Co.	290	1,156	189	1	22	16	69	129	1,872	1,987
Chicago & North Western Trans.	23	151	29	2	2	0	12	16	235	256
Consolidated Rail Corp.	192	691	120	6	13	7	43	90	1,162	1,281
CSX Transportation	117	421	86	2	3	3	14	66	712	783
Denver & Rio Grande Western Railroad	21	74	8	1	1	3	6	14	128	136
Grand Trunk Western Railroad Inc.	57	138	25	0	7	1	20	36	284	292
Illinois Central Railroad Co.	19	51	25	0	1	1	1	9	107	119
Kansas City Southern Railway Co.	5	32	3	0	0	2	2	3	47	49
Norfolk Southern Corp.	56	211	80	1	3	3	17	52	423	489
Soo Line Railroad Company	59	289	50	2	4	1	12	30	447	482
Southern Pacific Transportation Co.	177	467	93	2	12	0	41	100	892	944
St. Louis Southwestern Railway Co.	18	76	6	0	3	0	1	4	108	116
Union Pacific Railroad Co.	222	998	153	2	15	36	0	210	1,636	1,761
Total Class I Railroads.....	1,635	5,737	1,099	34	113	84	302	951	9,955	10,726
GROUP II RAILROADS **										
Alton & Southern Railroad	2	5	1	0	0	0	0	3	11	12
Alaska Railroad Corp.	4	20	6	0	0	0	1	7	38	42
Bangor & Aroostook Railroad	4	27	2	0	2	0	3	6	44	48
Bessemer & Lake Erie Railroad Co.	0	4	1	0	0	0	0	0	5	5
Belt Railway Company Of Chicago	7	8	2	0	0	0	0	1	18	21
Birmingham Southern Railroad Co.	2	2	4	0	1	0	1	1	11	12
Chicago, Central & Pacific Railroad Co.	6	23	1	0	0	0	2	0	32	33
Cuyahoga Valley Railway Co.	5	16	4	0	4	0	3	3	35	37
Delaware & Hudson Railway Co.	3	9	8	0	0	0	0	2	22	26
Dakota, Minnesota & Eastern Railroad	4	19	4	0	1	0	2	1	31	35
Duluth, Missabe & Iron Range Railway	12	34	4	0	2	1	3	2	58	59
Elgin, Joliet & Eastern Railway Co.	7	13	3	0	1	0	1	3	28	31
Florida East Coast Railway Co.	6	6	10	0	1	1	2	3	29	32
Gateway Western Railway	3	3	0	0	0	1	0	0	7	7
Houston Belt & Terminal Railway Co.	4	6	3	0	1	0	1	2	17	19
Indiana Harbor Belt Railroad Co.	11	28	6	0	2	1	0	2	50	54
Long Island Rail Road	97	398	72	12	8	2	32	34	655	669
Metro North Commuter Railroad Co.	91	268	63	8	3	12	34	40	519	550
Montana Rail Link	10	35	11	0	1	0	5	6	68	69
Midsouth Railroad Corp.	2	4	2	0	0	0	0	1	9	9
Northern Indiana Commuter Trans.	13	30	6	1	1	0	5	2	58	59
Northeast Illinois Regional Comuter	13	48	13	0	1	1	2	5	83	91
New Jersey Transit Rail Operations	40	85	36	2	3	3	7	23	199	218
Paducah & Louisville Railway Co.	5	14	2	0	1	0	3	5	30	33
Port Authority Trans Hudson	66	90	17	3	2	0	12	24	214	220
Port Terminal Railroad Assoc.	4	10	3	0	0	0	1	1	19	20
Southeastern Pennsylvania Trans.	33	98	19	0	1	0	9	27	187	203
Southrail Corporation	3	2	0	0	0	0	0	0	5	5
Southern Pacific, Chicago-St. Louis	9	7	5	0	0	0	0	3	24	26
Springfield Terminal Railway Co.	5	23	8	0	0	0	2	4	42	49
Texas Mexican Railway Co.	7	17	8	0	1	0	6	0	39	39
Terminal Railroad Assoc. Of State Dock	0	4	2	0	2	0	0	1	9	10
Union Railroad Company (Pittsburgh)	2	9	5	0	2	0	2	0	20	24
Wisconsin Central Ltd. (also Railway)	12	41	13	1	1	0	8	4	80	85
Wheeling & Lake Erie Railway Co.	1	5	2	0	0	0	0	0	8	10
Total Group II Railroads **.....	493	1,411	346	27	42	22	147	216	2,704	2,862
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)										
Class I Railroads	1,635	5,737	1,099	34	113	84	302	951	9,955	10,726
Group II Railroads **	493	1,411	346	27	42	22	147	216	2,704	2,862
All Other Railroads	202	493	174	10	26	7	103	114	1,129	1,231
Total All Railroads	2,330	7,641	1,619	71	181	113	552	1,281	13,788	14,819

** 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, 1993

Railroad	< COLLISIONS >		< DERAILMENTS >		<...OTHER...>		< T O T A L >		Rate*	Train Miles
	Killed/Injured		Killed/Injured		Killed/Injured		Killed/Injured			
CLASS I RAILROADS										
Amtrak (Nat'l Railroad Passenger Corp.)	0	0	47	124	22	85	69	209	6.52	42,656,261
Atchison, Topeka & Santa Fe Railway	1	3	0	2	2	10	3	15	0.37	48,262,495
Burlington Northern Railroad Co.	3	12	0	10	0	25	3	47	0.58	85,689,820
Chicago & North Western Trans.	0	0	0	0	1	3	1	3	0.21	18,612,551
Consolidated Rail Corp.	0	3	0	2	1	5	1	10	0.24	45,608,962
CSX Transportation	0	2	0	1	3	13	3	16	0.27	70,195,217
Denver & Rio Grande Western Railroad	0	3	0	0	2	0	2	3	0.87	5,760,644
Grand Trunk Western Railroad Inc.	0	1	1	5	0	0	1	6	1.35	5,201,332
Illinois Central Railroad Co.	0	0	0	2	0	1	0	3	0.45	6,673,450
Kansas City Southern Railway Co.	0	0	0	0	0	0	0	0	0.00	5,586,174
Norfolk Southern Corp.	0	2	0	11	4	9	4	22	0.48	53,927,553
Soo Line Railroad Co.	0	2	1	1	2	4	3	7	0.95	10,560,336
Southern Pacific Transportation Co.	0	2	2	2	4	7	6	11	0.45	37,678,654
St. Louis Southwestern Railway Co.	0	0	0	0	1	5	1	5	0.65	9,267,321
Union Pacific Railroad Co.	2	7	1	13	10	24	13	44	0.65	87,972,956
Total Class I Railroads.....	6	37	52	173	52	191	110	401	0.96	533,653,726

GROUP II RAILROADS **

Alton & Southern Railroad	0	1	0	0	0	0	0	1	1.36	737,845
Alaska Railroad Corp.	0	0	0	2	0	3	0	5	4.87	1,026,825
Bangor & Aroostook Railroad	0	0	0	0	0	0	0	0	0.00	397,513
Bessemer & Lake Erie Railroad Co.	0	0	0	0	0	0	0	0	0.00	167,640
Belt Railway Company Of Chicago	0	3	0	0	0	0	0	3	8.35	359,447
Birmingham Southern Railroad Co.	0	0	0	0	0	0	0	0	0.00	90,956
Chicago, Central & Pacific Railroad Co.	0	0	0	0	0	0	0	0	0.00	911,799
Cuyahoga Valley Railway Co.	0	0	0	0	0	0	0	0	0.00	26,971
Delaware & Hudson Railway Co.	0	0	0	0	0	0	0	0	0.00	2,079,795
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	0	0	0.00	641,493
Duluth, Missabe & Iron Range Railway	0	0	0	0	0	1	0	1	1.61	622,130
Elgin, Joliet & Eastern Railway Co.	0	0	0	0	0	0	0	0	0.00	514,112
Florida East Coast Railway Co.	0	0	0	0	0	0	0	0	0.00	3,098,800
Gateway Western Railway	0	0	0	0	0	0	0	0	0.00	563,619
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0	0	0.00	831,320
Indiana Harbor Belt Railroad Co.	0	0	0	0	0	0	0	0	0.00	1,203,257
Long Island Rail Road	0	0	0	0	1	1	1	1	0.24	8,182,739
Metro North Commuter Railroad Co.	0	2	0	0	0	0	0	2	0.27	7,369,991
Montana Rail Link	0	1	0	0	0	0	0	1	0.26	3,841,433
Midsouth Railroad Corp.	0	0	0	0	0	0	0	0	0.00	911,194
Northern Indiana Commuter Trans.	7	41	0	0	1	0	8	41	68.76	712,641
Northeast Illinois Regional Comuter	0	0	0	0	0	0	0	0	0.00	3,176,344
New Jersey Transit Rail Operations	0	0	0	0	0	5	0	5	0.67	7,432,997
Paducah & Louisville Railway Co.	0	0	0	0	0	0	0	0	0.00	668,828
Port Authority Trans Hudson	0	1	0	0	0	2	0	3	1.85	1,625,175
Port Terminal Railroad Assoc.	0	0	0	0	0	0	0	0	0.00	1,022,160
Southeastern Pennsylvania Trans.	0	0	0	0	0	3	0	3	0.68	4,436,632
Southrail Corporation	0	0	0	0	0	0	0	0	0.00	550,624
Southern Pacific, Chicago-St. Louis	1	1	0	0	0	1	1	2	1.71	1,754,533
Springfield Terminal Railway Co.	0	0	0	0	0	0	0	0	0.00	1,081,944
Texas Mexican Railway Co.	0	0	0	0	0	0	0	0	0.00	269,063
Terminal Railroad Assoc. of State Dock	0	0	0	0	0	0	0	0	0.00	492,192
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	0	0.00	151,626
Wisconsin Central Ltd. (also Railway)	0	0	0	0	1	0	1	0	0.33	3,022,640
Wheeling & Lake Erie Railway Co.	0	0	0	0	0	0	0	0	0.00	700,309
Total Group II Railroads **.....	8	50	0	2	3	16	11	68	1.30	60,676,587

RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)

Class I Railroads	6	37	52	173	52	191	110	401	0.96	533,653,726
Group II Railroads **	8	50	0	2	3	16	11	68	1.30	60,676,587
All Other Railroads	0	0	1	4	3	13	4	17	1.07	19,643,658
Total All Railroads	14	87	53	179	58	220	125	486	1.00	613,973,971

* 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.

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TABLE 42. PART I: CASUALTIES TO EMPLOYEES ON-DUTY BY JOB CATEGORY AND RAILROAD, 1993

Railroad	I. Exec Office Staff II. Prof, Clerical, Gen			III. Maintenance of Way & Structures			IV. Maintenance of Equipment & Stores		
	Killed	Injured	Illness	Killed	Injured	Illness	Killed	Injured	Illness
CLASS I RAILROADS									
Amtrak (Nat'l Railroad Passenger Corp.)	0	91	4	0	224	0	0	406	4
Atchison, Topeka & Santa Fe Railway	1	24	3	0	280	2	0	132	1
Burlington Northern Railroad Co.	0	60	11	1	705	24	0	385	20
Chicago & North Western Trans.	0	6	2	0	87	5	0	64	2
Consolidated Rail Corp.	0	73	1	0	285	7	1	283	2
CSX Transportation	0	24	0	0	209	3	1	191	0
Denver & Rio Grande Western Railroad	0	12	0	0	21	0	0	57	12
Grand Trunk Western Railroad Inc.	0	17	12	0	43	30	1	85	21
Illinois Central Railroad Co.	0	5	1	2	37	4	0	22	0
Kansas City Southern Railway Co.	0	2	0	0	19	1	0	4	0
Norfolk Southern Corp.	0	21	0	0	106	1	0	166	4
Soo Line Railroad Co.	0	5	2	1	193	7	0	76	0
Southern Pacific Transportation Co.	0	145	4	0	231	14	0	173	3
St. Louis Southwestern Railway Co.	0	10	0	1	24	0	0	29	0
Union Pacific Railroad Co.	0	134	47	0	381	12	1	405	11
Total Class I Railroads.....	1	629	87	5	2,845	110	4	2,478	80
GROUP II RAILROADS **									
Alton & Southern Railroad	0	0	0	0	2	0	0	6	0
Alaska Railroad Corp.	0	2	1	0	19	0	0	8	0
Bangor & Aroostook Railroad	0	1	0	0	13	0	0	22	0
Bessemer & Lake Erie Railroad Co.	0	2	0	0	2	0	0	0	0
Belt Railway Company Of Chicago	0	0	0	0	6	0	0	5	0
Birmingham Southern Railroad Co.	0	0	0	0	3	0	0	7	0
Chicago, Central & Pacific Railroad Co.	0	1	0	0	10	0	0	6	1
Cuyahoga Valley Railway Co.	0	0	0	0	7	0	0	20	0
Delaware & Hudson Railway Co.	0	0	0	0	8	0	0	3	0
Dakota, Minnesota & Eastern Railroad	0	0	0	0	11	0	0	9	0
Duluth, Missabe & Iron Range Railway	0	0	0	0	28	1	0	17	0
Elgin, Joliet & Eastern Railway Co.	0	1	0	0	13	0	0	5	0
Florida East Coast Railway Co.	0	1	0	0	6	1	0	13	0
Gateway Western Railway	0	0	0	0	1	0	0	0	0
Houston Belt & Terminal Railway Co.	0	0	0	0	9	0	0	3	0
Indiana Harbor Belt Railroad Co.	0	4	0	0	13	0	0	3	0
Long Island Rail Road	0	83	1	0	177	12	0	239	4
Metro North Commuter Railroad Co.	0	117	5	0	188	1	0	156	2
Montana Rail Link	0	0	0	0	26	0	0	7	0
Midsouth Railroad Corp.	0	0	1	0	1	0	0	0	0
Northern Indiana Commuter Trans.	0	6	0	0	20	0	0	14	0
Northeast Illinois Regional Comuter	0	12	0	2	28	1	0	36	1
New Jersey Transit Rail Operations	0	11	0	0	85	2	0	61	0
Paducah & Louisville Railway Co.	0	1	0	0	7	0	0	12	0
Port Authority Trans Hudson	0	14	0	0	77	0	0	64	0
Port Terminal Railroad Assoc.	0	1	0	0	4	0	0	5	0
Southeastern Pennsylvania Trans.	0	5	0	0	74	1	0	46	1
Southrail Corporation	0	0	0	0	2	0	0	0	0
Southern Pacific, Chicago-St. Louis	0	0	0	0	11	0	0	0	0
Springfield Terminal Railway Co.	0	2	0	0	21	1	0	11	0
Texas Mexican Railway Co.	0	1	0	0	12	1	0	15	0
Terminal Railroad Assoc. Of State Dock	0	0	0	0	7	0	0	2	0
Union Railroad Company (Pittsburgh)	0	1	0	0	5	0	0	7	0
Wisconsin Central Ltd. (also Railway)	0	2	2	0	28	0	0	22	0
Wheeling & Lake Erie Railway Co.	0	0	0	0	3	0	0	2	0
Total Group II Railroads **.....	0	268	10	2	927	21	0	826	9
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)									
Class I Railroads	1	629	87	5	2,845	110	4	2,478	80
Group II Railroads **	0	268	10	2	927	21	0	826	9
All Other Railroads	1	34	4	0	409	11	0	335	5
Total All Railroads	2	931	101	7	4,181	142	4	3,639	94

** 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, 1993

Railroad	V. Transportation Non-train & Engine		VI. Transportation Train & Engine			
	Killed/Injured/Illness		Killed/Injured/Illness			
CLASS I RAILROADS						
Amtrak (Nat'l Railroad Passenger Corp.)	1	349	3	3	216	1
Atchison, Topeka & Santa Fe Railway	0	1	0	5	308	1
Burlington Northern Railroad Co.	0	38	5	3	799	6
Chicago & North Western Trans.	0	5	0	0	94	3
Consolidated Rail Corp.	0	32	0	5	608	9
CSX Transportation	1	12	0	1	347	2
Denver & Rio Grande Western Railroad	0	0	0	0	46	2
Grand Trunk Western Railroad Inc.	0	6	10	0	141	96
Illinois Central Railroad Co.	0	1	0	1	54	0
Kansas City Southern Railway Co.	0	1	0	0	23	0
Norfolk Southern Corp.	0	4	0	1	192	3
Soo Line Railroad Co.	0	14	1	1	194	1
Southern Pacific Transportation Co.	0	17	7	2	378	14
St. Louis Southwestern Railway Co.	0	2	0	0	51	0
Union Pacific Railroad Co.	1	18	4	5	823	11
Total Class I Railroads.....	3	500	30	27	4,274	149
GROUP II RAILROADS **						
Alton & Southern Railroad	0	0	0	0	4	0
Alaska Railroad Corp.	0	1	0	0	12	0
Bangor & Aroostook Railroad	0	0	0	0	12	0
Bessemer & Lake Erie Railroad Co.	0	0	0	0	1	0
Belt Railway Company Of Chicago	0	0	0	0	10	0
Birmingham Southern Railroad Co.	0	0	0	0	2	0
Chicago, Central & Pacific Railroad Co.	0	0	0	0	16	0
Cuyahoga Valley Railway Co.	0	0	0	0	10	0
Delaware & Hudson Railway Co.	0	0	0	0	15	0
Dakota, Minnesota & Eastern Railroad	0	0	0	0	15	2
Duluth, Missabe & Iron Range Railway	0	1	0	0	13	0
Elgin, Joliet & Eastern Railway Co.	0	3	0	0	9	0
Florida East Coast Railway Co.	0	0	0	0	12	0
Gateway Western Railway	0	0	0	0	6	0
Houston Belt & Terminal Railway Co.	0	0	0	0	7	0
Indiana Harbor Belt Railroad Co.	0	1	0	0	33	0
Long Island Rail Road	0	18	0	0	152	0
Metro North Commuter Railroad Co.	0	0	0	0	89	5
Montana Rail Link	0	1	0	0	35	0
Midsouth Railroad Corp.	0	0	0	0	8	0
Northern Indiana Commuter Trans.	0	1	0	0	18	3
Northeast Illinois Regional Comuter	0	1	0	0	14	0
New Jersey Transit Rail Operations	0	3	0	0	58	0
Paducah & Louisville Railway Co.	0	0	0	0	13	0
Port Authority Trans Hudson	0	13	1	0	52	1
Port Terminal Railroad Assoc.	0	0	0	0	10	0
Southeastern Pennsylvania Trans.	0	24	1	1	54	0
Southrail Corporation	0	0	0	0	3	1
Southern Pacific, Chicago-St. Louis	0	1	0	1	14	2
Springfield Terminal Railway Co.	0	0	0	0	15	0
Texas Mexican Railway Co.	0	1	0	0	10	0
Terminal Railroad Assoc. Of State Dock	0	0	0	0	1	0
Union Railroad Company (Pittsburgh)	0	1	0	0	10	0
Wisconsin Central Ltd. (also Railway)	0	2	0	0	31	1
Wheeling & Lake Erie Railway Co.	0	1	0	0	4	0
Total Group II Railroads **.....	0	73	2	2	768	15
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)						
Class I Railroads	3	500	30	27	4,274	149
Group II Railroads **	0	73	2	2	768	15
All Other Railroads	0	52	0	2	401	11
Total All Railroads	3	625	32	31	5,443	175

** 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, 1993

Railroad	Fatalities		Injuries		Illnesses		TOTAL		Employee Manhours
	#	Rate*	#	Rate*	#	Rate*	#	Rate*	
CLASS I RAILROADS									
Amtrak (Nat'l Railroad Passenger Corp.)	4	0.02	1,286	5.30	12	0.05	1,302	5.37	48,496,787
Atchison, Topeka & Santa Fe Railway	6	0.04	745	5.40	7	0.05	758	5.50	27,575,775
Burlington Northern Railroad Co.	4	0.01	1,987	6.87	66	0.23	2,057	7.11	57,856,509
Chicago & North Western Trans.	0	0.00	256	3.70	12	0.17	268	3.87	13,843,384
Consolidated Rail Corp.	6	0.02	1,281	5.29	19	0.08	1,306	5.39	48,470,759
CSX Transportation	3	0.01	783	2.71	5	0.02	791	2.74	57,744,426
Denver & Rio Grande Western Railroad	0	0.00	136	5.51	14	0.57	150	6.08	4,934,749
Grand Trunk Western Railroad Inc.	1	0.03	292	10.20	169	5.90	462	16.13	5,728,113
Illinois Central Railroad Co.	3	0.09	119	3.50	5	0.15	127	3.74	6,799,564
Kansas City Southern Railway Co.	0	0.00	49	2.52	1	0.05	50	2.57	3,889,178
Norfolk Southern Corp.	1	0.00	489	2.02	8	0.03	498	2.06	48,319,231
Soo Line Railroad Company	2	0.04	482	10.79	11	0.25	495	11.08	8,936,532
Southern Pacific Transportation Co.	2	0.01	944	5.85	42	0.26	988	6.12	32,279,095
St. Louis Southwestern Railway Co.	1	0.04	116	5.09	0	0.00	117	5.14	4,555,626
Union Pacific Railroad Co.	7	0.02	1,761	6.22	85	0.30	1,853	6.54	56,657,822
Total Class I Railroads.....	40	0.02	10,726	5.03	456	0.21	11,222	5.27	426,087,550
GROUP II RAILROADS **									
Alton & Southern Railroad	0	0.00	12	3.45	0	0.00	12	3.45	695,390
Alaska Railroad Corp.	0	0.00	42	7.32	1	0.17	43	7.50	1,147,290
Bangor & Aroostook Railroad	0	0.00	48	14.76	0	0.00	48	14.76	650,460
Bessemer & Lake Erie Railroad Co.	0	0.00	5	1.57	0	0.00	5	1.57	637,709
Belt Railway Company Of Chicago	0	0.00	21	3.83	0	0.00	21	3.83	1,096,467
Birmingham Southern Railroad Co.	0	0.00	12	5.49	0	0.00	12	5.49	437,430
Chicago, Central & Pacific Railroad Co.	0	0.00	33	7.17	1	0.22	34	7.39	920,666
Cuyahoga Valley Railway Co.	0	0.00	37	16.98	0	0.00	37	16.98	435,869
Delaware & Hudson Railway Co.	0	0.00	26	3.40	0	0.00	26	3.40	1,529,172
Dakota, Minnesota & Eastern Railroad	0	0.00	35	13.27	2	0.76	37	14.03	527,626
Duluth, Missabe & Iron Range Railway	0	0.00	59	8.65	1	0.15	60	8.80	1,364,302
Elgin, Joliet & Eastern Railway Co.	0	0.00	31	3.91	0	0.00	31	3.91	1,584,248
Florida East Coast Railway Co.	0	0.00	32	3.29	1	0.10	33	3.39	1,945,736
Gateway Western Railway	0	0.00	7	3.42	0	0.00	7	3.42	408,914
Houston Belt & Terminal Railway Co.	0	0.00	19	3.99	0	0.00	19	3.99	952,137
Indiana Harbor Belt Railroad Co.	0	0.00	54	6.83	0	0.00	54	6.83	1,581,771
Long Island Rail Road	0	0.00	669	11.01	17	0.28	686	11.29	12,156,566
Metro North Commuter Railroad Co.	0	0.00	550	10.26	13	0.24	563	10.51	10,716,196
Montana Rail Link	0	0.00	69	6.89	0	0.00	69	6.89	2,002,041
Midsouth Railroad Corp.	0	0.00	9	2.23	1	0.25	10	2.48	805,950
Northern Indiana Commuter Trans.	0	0.00	59	24.81	3	1.26	62	26.07	475,705
Northeast Illinois Regional Comuter	2	0.09	91	4.01	2	0.09	95	4.19	4,533,038
New Jersey Transit Rail Operations	0	0.00	218	5.94	2	0.05	220	5.99	7,342,887
Paducah & Louisville Railway Co.	0	0.00	33	10.24	0	0.00	33	10.24	644,488
Port Authority Trans Hudson	0	0.00	220	16.81	2	0.15	222	16.96	2,617,188
Port Terminal Railroad Assoc.	0	0.00	20	5.09	0	0.00	20	5.09	786,057
Southeastern Pennsylvania Trans.	1	0.06	203	12.13	3	0.18	207	12.37	3,347,887
Southrail Corporation	0	0.00	5	1.69	1	0.34	6	2.02	592,934
Southern Pacific, Chicago-St. Louis	1	0.33	26	8.47	2	0.65	29	9.45	614,060
Springfield Terminal Railway Co.	0	0.00	49	4.07	1	0.08	50	4.16	2,406,471
Texas Mexican Railway Co.	0	0.00	39	16.04	1	0.41	40	16.45	486,285
Terminal Railroad Assoc. Of State Dock	0	0.00	10	3.34	0	0.00	10	3.34	598,009
Union Railroad Company (Pittsburgh)	0	0.00	24	6.67	0	0.00	24	6.67	719,421
Wisconsin Central Ltd. (also Railway)	0	0.00	85	6.30	3	0.22	88	6.52	2,699,277
Wheeling & Lake Erie Railway Co.	0	0.00	10	2.93	0	0.00	10	2.93	682,623
Total Group II Railroads **.....	4	0.01	2,862	8.16	57	0.16	2,923	8.33	70,142,270
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)									
Class I Railroads	40	0.02	10,726	5.03	456	0.21	11,222	5.27	426,087,550
Group II Railroads **	4	0.01	2,862	8.16	57	0.16	2,923	8.33	70,142,270
All Other Railroads	3	0.03	1,231	10.50	31	0.26	1,265	10.79	23,443,493
Total All Railroads	47	0.02	14,819	5.70	544	0.21	15,410	5.93	519,673,313

* 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 NON-FATAL INJURIES TO EMPLOYEES ON-DUTY BY RAILROAD, 1993

Railroad	<CASES with DAYS-AWAY-FROM-WORK or DAYS-OF-RESTRICTION>						Other Cases
	TOTAL CASES*	< Total Cases	Lost-Day Cases	Restricted Cases	Away-fr-work Days	Restricted Days	
CLASS I RAILROADS							
Amtrak (Nat'l Railroad Passenger Corp.)	1,286	843	829	14	41,693	248	443
Atchison, Topeka & Santa Fe Railway	745	542	391	151	27,512	11,629	203
Burlington Northern Railroad Co.	1,987	1,452	1,185	267	77,090	14,258	535
Chicago & North Western Trans.	256	196	195	1	16,803	1	60
Consolidated Rail Corp.	1,281	1,086	1,045	41	70,515	1,919	195
CSX Transportation	783	657	654	3	54,906	185	126
Denver & Rio Grande Western Railroad	136	98	96	2	7,634	138	38
Grand Trunk Western Railroad Inc.	292	203	186	17	8,788	497	89
Illinois Central Railroad Co.	119	73	69	4	3,303	125	46
Kansas City Southern Railway Co.	49	46	46	0	1,845	0	3
Norfolk Southern Corp.	489	361	321	40	29,768	1,457	128
Soo Line Railroad Co.	482	385	333	52	17,244	1,454	97
Southern Pacific Transportation Co.	944	734	693	41	63,525	907	210
St. Louis Southwestern Railway Co.	116	96	88	8	12,610	191	20
Union Pacific Railroad Co.	1,761	1,429	1,132	297	88,123	17,031	332
Total Class I Railroads.....	10,726	8,201	7,263	938	521,359	50,040	2,525
GROUP II RAILROADS **							
Alton & Southern Railroad	12	12	11	1	212	14	0
Alaska Railroad Corp.	42	29	18	11	424	468	13
Bangor & Aroostook Railroad	48	39	39	0	1,260	6	9
Bessemer & Lake Erie Railroad Co.	5	2	2	0	42	0	3
Belt Railway Company Of Chicago	21	17	17	0	460	0	4
Birmingham Southern Railroad Co.	12	5	2	3	109	72	7
Chicago, Central & Pacific Railroad Co.	33	30	24	6	322	111	3
Cuyahoga Valley Railway Co.	37	22	15	7	395	78	15
Delaware & Hudson Railway Co.	26	19	16	3	709	103	7
Dakota, Minnesota & Eastern Railroad	35	18	18	0	613	6	17
Duluth, Missabe & Iron Range Railway	59	35	8	27	590	364	24
Elgin, Joliet & Eastern Railway Co.	31	16	5	11	529	289	15
Florida East Coast Railway Co.	32	23	19	4	826	643	9
Gateway Western Railway	7	5	5	0	557	30	2
Houston Belt & Terminal Railway Co.	19	13	12	1	605	18	6
Indiana Harbor Belt Railroad Co.	54	50	47	3	1,647	128	4
Long Island Rail Road	669	650	649	1	16,711	697	19
Metro North Commuter Railroad Co.	550	450	280	170	10,935	2,825	100
Montana Rail Link	69	47	39	8	372	443	22
Midsouth Railroad Corp.	9	7	6	1	274	62	2
Northern Indiana Commuter Trans.	59	49	43	6	952	281	10
Northeast Illinois Regional Comuter	91	72	72	0	2,606	0	19
New Jersey Transit Rail Operations	218	167	161	6	4,929	125	51
Paducah & Louisville Railway Co.	33	24	22	2	622	81	9
Port Authority Trans Hudson	220	216	216	0	5,080	0	4
Port Terminal Railroad Assoc.	20	13	12	1	463	26	7
Southeastern Pennsylvania Trans.	203	171	171	0	4,643	0	32
Southrail Corporation	5	5	3	2	28	5	0
Southern Pacific, Chicago-St. Louis	26	15	14	1	1,722	12	11
Springfield Terminal Railway Co.	49	32	19	13	286	456	17
Texas Mexican Railway Co.	39	28	22	6	1,022	107	11
Terminal Railroad Assoc. Of State Dock	10	5	2	3	120	91	5
Union Railroad Company (Pittsburgh)	24	8	7	1	173	1	16
Wisconsin Central Ltd. (also Railway)	85	47	38	9	583	376	38
Wheeling & Lake Erie Railway Co.	10	9	8	1	158	29	1
TOTAL GROUP II RAILROADS.....	2,862	2,350	2,042	308	60,979	7,947	512
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)							
Class I Railroads	10,726	8,201	7,263	938	521,359	50,040	2,525
Group II Railroads **	2,862	2,350	2,042	308	60,979	7,947	512
All Other Railroads	1,231	747	576	171	9,346	4,754	484
Total All Railroads	14,819	11,298	9,881	1,417	591,684	62,741	3,521

* 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, 1993

Railroad	TOTAL CASES	Fatalities	< INJURY C A S E S REPORTED FOR FOLLOWING REASONS >					Occupational Illnesses
			<Total Injuries	Days-Away From-Work	Restricted Activity	Medi-cation	Medical Treatment	
CLASS I RAILROADS								
Amtrak (Nat'l Railroad Passenger Corp.)	1,302	4	1,286	829	14	116	327	12
Atchison, Topeka & Santa Fe Railway	758	6	745	391	151	51	152	7
Burlington Northern Railroad Co.	2,057	4	1,987	1,185	267	67	468	66
Chicago & North Western Trans.	268	0	256	195	1	24	36	12
Consolidated Rail Corp.	1,306	6	1,281	1,045	41	40	155	19
CSX Transportation	791	3	783	654	3	38	88	5
Denver & Rio Grande Western Railroad	150	0	136	96	2	0	38	14
Grand Trunk Western Railroad Inc.	462	1	292	186	17	21	68	169
Illinois Central Railroad Co.	127	3	119	69	4	15	31	5
Kansas City Southern Railway Co.	50	0	49	46	0	0	3	1
Norfolk Southern Corp.	498	1	489	321	40	38	90	8
Soo Line Railroad Co.	495	2	482	333	52	13	84	11
Southern Pacific Transportation Co.	988	2	944	693	41	0	210	42
St. Louis Southwestern Railway Co.	117	1	116	88	8	0	20	0
Union Pacific Railroad Co.	1,853	7	1,761	1,132	297	113	219	85
Total Class I Railroads.....	11,222	40	10,726	7,263	938	536	1,989	456
GROUP II RAILROADS **								
Alton & Southern Railroad	12	0	12	11	1	0	0	0
Alaska Railroad Corp.	43	0	42	18	11	3	10	1
Bangor & Aroostook Railroad	48	0	48	39	0	4	5	0
Bessemer & Lake Erie Railroad Co.	5	0	5	2	0	1	2	0
Belt Railway Company Of Chicago	21	0	21	17	0	1	3	0
Birmingham Southern Railroad Co.	12	0	12	2	3	0	7	0
Chicago, Central & Pacific Railroad Co.	34	0	33	24	6	2	1	1
Cuyahoga Valley Railway Co.	37	0	37	15	7	2	13	0
Delaware & Hudson Railway Co.	26	0	26	16	3	0	7	0
Dakota, Minnesota & Eastern Railroad	37	0	35	18	0	0	17	2
Duluth, Missabe & Iron Range Railway	60	0	59	8	27	12	12	1
Elgin, Joliet & Eastern Railway Co.	31	0	31	5	11	9	6	0
Florida East Coast Railway Co.	33	0	32	19	4	1	8	1
Gateway Western Railway	7	0	7	5	0	2	0	0
Houston Belt & Terminal Railway Co.	19	0	19	12	1	0	6	0
Indiana Harbor Belt Railroad Co.	54	0	54	47	3	0	4	0
Long Island Rail Road	686	0	669	649	1	0	19	17
Metro North Commuter Railroad Co.	563	0	550	280	170	13	87	13
Montana Rail Link	69	0	69	39	8	6	16	0
Midsouth Railroad Corp.	10	0	9	6	1	0	2	1
Northern Indiana Commuter Trans.	62	0	59	43	6	7	3	3
Northeast Illinois Regional Comuter	95	2	91	72	0	6	13	2
New Jersey Transit Rail Operations	220	0	218	161	6	24	27	2
Paducah & Louisville Railway Co.	33	0	33	22	2	0	9	0
Port Authority Trans Hudson	222	0	220	216	0	0	4	2
Port Terminal Railroad Assoc.	20	0	20	12	1	2	5	0
Southeastern Pennsylvania Trans.	207	1	203	171	0	0	32	3
Southrail Corporation	6	0	5	3	2	0	0	1
Southern Pacific, Chicago-St. Louis	29	1	26	14	1	0	11	2
Springfield Terminal Railway Co.	50	0	49	19	13	2	15	1
Texas Mexican Railway Co.	40	0	39	22	6	3	8	1
Terminal Railroad Assoc. Of State Dock	10	0	10	2	3	0	5	0
Union Railroad Company (Pittsburgh)	24	0	24	7	1	8	8	0
Wisconsin Central Ltd. (also Railway)	88	0	85	38	9	10	28	3
Wheeling & Lake Erie Railway Co.	10	0	10	8	1	0	1	0
TOTAL GROUP II RAILROADS.....	2,923	4	2,862	2,042	308	118	394	57
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)								
Class I Railroads	11,222	40	10,726	7,263	938	536	1,989	456
Group II Railroads **	2,923	4	2,862	2,042	308	118	394	57
All Other Railroads	1,265	3	1,231	576	171	68	416	31
Total All Railroads	15,410	47	14,819	9,881	1,417	722	2,799	544

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, 1993

Type of Accident/Incident	TOTAL* A/I	Fatal A/I	Total Killed	<EMPLOYEES-ON-DUTY> Trmmen/Other/Total			Enod	Psgr	Nont	Contr	Tres
TRAIN ACCIDENTS											
Class I Railroads	75	8	58	11	0	11	2	42	0	0	3
Group II Railroads **	14	2	8	1	0	1	0	7	0	0	0
All Other Railroads	6	1	1	0	1	1	0	0	0	0	0
Total All Railroads	95	11	67	12	1	13	2	49	0	0	3
TRAIN INCIDENTS											
Class I Railroads	2,149	445	455	12	5	17	1	0	10	4	423
Group II Railroads **	367	63	68	1	0	1	0	8	1	0	58
All Other Railroads	205	21	22	1	0	1	0	0	1	0	20
Total All Railroads	2,721	529	545	14	5	19	1	8	12	4	501
NON-TRAIN INCIDENTS											
Class I Railroads	10,224	30	30	2	8	10	0	0	4	1	15
Group II Railroads **	3,154	10	10	0	2	2	1	1	2	1	3
All Other Railroads	1,141	1	1	0	0	0	0	0	0	0	1
Total All Railroads	14,519	41	41	2	10	12	1	1	6	2	19
HIGHWAY-RAIL CROSSING (Excluded from above categories)											
Class I Railroads	1,489	466	561	2	0	2	0	0	436	0	123
Group II Railroads **	169	41	44	0	0	0	0	0	23	0	21
All Other Railroads	157	19	21	1	0	1	0	0	12	0	8
Total All Railroads	1,815	526	626	3	0	3	0	0	471	0	152
TOTALS											
Class I Railroads	13,937	949	1,104	27	13	40	3	42	450	5	564
Group II Railroads **	3,704	116	130	2	2	4	1	16	26	1	82
All Other Railroads	1,509	42	45	2	1	3	0	0	13	0	29
Total All Railroads	19,150	1,107	1,279	31	16	47	4	58	489	6	675

* 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
Trmmen = Trainmen (Train & Engine: Jobcodes 601-623)

TABLE 47: INJURIES BY TYPE OF ACCIDENT/INCIDENT, TYPE OF RAILROAD, AND TYPE OF PERSON, 1993

Type of Accident/Incident	TOTAL*		Total Injured	<EMPLOYEES-ON-DUTY>			Enod	Psgr	Nont	Contr	Tres
	A/I	Injury A/I		Trmmen	Other	Total					
TRAIN ACCIDENTS											
Class I Railroads	75	67	238	94	21	115	13	98	10	0	2
Group II Railroads **	14	12	57	24	5	29	0	26	1	0	1
All Other Railroads	6	5	7	7	0	7	0	0	0	0	0
Total All Railroads	95	84	302	125	26	151	13	124	11	0	3
TRAIN INCIDENTS											
Class I Railroads	2,149	1,680	1,761	1,013	259	1,272	15	44	19	13	398
Group II Railroads **	367	300	335	170	46	216	2	53	14	0	50
All Other Railroads	205	183	188	124	32	156	0	14	4	0	14
Total All Railroads	2,721	2,163	2,284	1,307	337	1,644	17	111	37	13	462
NON-TRAIN INCIDENTS											
Class I Railroads	10,224	9,787	9,935	3,077	6,147	9,224	261	108	116	208	18
Group II Railroads **	3,154	3,093	3,109	566	2,043	2,609	46	154	255	21	24
All Other Railroads	1,141	1,113	1,115	268	794	1,062	3	18	13	17	2
Total All Railroads	14,519	13,993	14,159	3,911	8,984	12,895	310	280	384	246	44
HIGHWAY-RAIL CROSSING (Excluded from above categories)											
Class I Railroads	1,489	1,023	1,472	90	25	115	1	43	1,157	0	156
Group II Railroads **	169	127	184	8	0	8	0	1	135	0	40
All Other Railroads	157	137	167	2	4	6	0	0	132	1	28
Total All Railroads	1,815	1,287	1,823	100	29	129	1	44	1,424	1	224
TOTALS											
Class I Railroads	13,937	12,557	13,406	4,274	6,452	10,726	290	293	1,302	221	574
Group II Railroads **	3,704	3,532	3,685	768	2,094	2,862	48	234	405	21	115
All Other Railroads	1,509	1,438	1,477	401	830	1,231	3	32	149	18	44
Total All Railroads	19,150	17,527	18,568	5,443	9,376	14,819	341	559	1,856	260	733

* 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
Trmmen = Trainmen (Train & Engine: Jobcodes 601-623)

TABLE 48: ILLNESSES BY TYPE OF ACCIDENT/INCIDENT, TYPE OF RAILROAD, AND TYPE OF PERSON, 1993

Type of Accident/Incident	TOTAL* A/I	Illness A/I	Total Illness	<EMPLOYEES-ON-DUTY> Trmmen/Other/Total			Enod	Psgr	Nont	Contr	Tres
TRAIN ACCIDENTS											
Class I Railroads	75	0	3	3	0	3	0	0	0	0	0
Group II Railroads **	14	0	3	3	0	3	0	0	0	0	0
All Other Railroads	6	0	0	0	0	0	0	0	0	0	0
Total All Railroads	95	0	6	6	0	6	0	0	0	0	0
TRAIN INCIDENTS											
Class I Railroads	2,149	24	32	23	3	26	6	0	0	0	0
Group II Railroads **	367	4	4	4	0	4	0	0	0	0	0
All Other Railroads	205	1	1	1	0	1	0	0	0	0	0
Total All Railroads	2,721	29	37	28	3	31	6	0	0	0	0
NON-TRAIN INCIDENTS											
Class I Railroads	10,224	407	418	113	304	417	0	0	0	1	0
Group II Railroads **	3,154	51	51	7	42	49	1	0	0	1	0
All Other Railroads	1,141	27	27	7	20	27	0	0	0	0	0
Total All Railroads	14,519	485	496	127	366	493	1	0	0	2	0
HIGHWAY-RAIL CROSSING (Excluded from above categories)											
Class I Railroads	1,489	0	10	10	0	10	0	0	0	0	0
Group II Railroads **	169	1	1	1	0	1	0	0	0	0	0
All Other Railroads	157	1	3	3	0	3	0	0	0	0	0
Total All Railroads	1,815	2	14	14	0	14	0	0	0	0	0
TOTALS											
Class I Railroads	13,937	431	463	149	307	456	6	0	0	1	0
Group II Railroads **	3,704	56	59	15	42	57	1	0	0	1	0
All Other Railroads	1,509	29	31	11	20	31	0	0	0	0	0
Total All Railroads	19,150	516	553	175	369	544	7	0	0	2	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
Trmmen = Trainmen (Train & Engine: Jobcodes 601-623)

TABLE 49. NONFATAL INJURIES BY OCCURRENCE, 1993

Type of Accident/Incident	Amputations					Fractures						
	Arm/ Hand	Finger	Leg/ Foot	Toe	Other Part	Total	Arm/ Hand	Finger	Leg/ Foot	Toe	Other Part	Total
TRAIN ACCIDENTS												
Collisions	---	---	---	---	---	---	2	---	2	1	7	12
Derailments	---	---	---	---	---	---	---	1	1	---	4	6
Rail-highway x-ing	---	---	---	---	---	---	1	1	5	1	10	18
Miscellaneous	---	1	---	---	---	1	1	---	---	---	1	2
Total.....	---	1	---	---	---	1	4	2	8	2	22	38
TRAIN INCIDENTS												
Coupling and uncoupling locomotives or Coupling/uncoupling air/steam hose, saf	---	1	1	1	---	3	4	2	2	---	3	11
Operating or on locomotives.....	---	---	---	---	---	---	4	1	2	1	3	11
Operating rail motorcars.....	---	---	---	---	---	---	1	---	---	---	1	2
Operating hand brakes.....	---	---	---	---	---	---	1	---	---	---	1	2
Operating switches or derails.....	---	---	---	---	---	---	---	---	---	---	---	---
Contacting fixed objects while on loco	---	1	---	---	---	1	1	---	3	---	2	6
Getting on or off cars or locomotives.	4	---	13	3	---	20	3	---	23	2	11	35
Collisions, derailments, etc. (below \$	---	---	4	---	---	4	2	---	3	---	1	6
Highway-rail crossing accidents/incide	1	---	5	---	1	7	36	6	55	1	121	215
Struck by/ran into loco/car(not at hwy	16	5	67	12	---	100	14	1	32	2	38	87
Servicing or maintenance of equipment.	1	---	1	---	---	2	1	2	2	---	2	7
Maintenance of way and structures.....	---	---	1	1	---	2	1	2	4	1	6	14
Freight, baggage, express or mail.....	---	---	---	---	---	---	---	---	---	---	---	---
Windows, doors, etc., on on-track equi	---	1	---	---	---	1	1	8	1	1	---	11
Passenger car doors.....	---	---	---	---	---	---	---	---	---	---	---	---
Stumbling, slipping, falling, caught,	---	---	8	---	---	8	2	1	6	---	3	17
Flying or falling objects, burns, etc.	---	---	1	---	---	1	---	---	1	---	---	2
Operation of on-track work equipment..	---	1	---	---	---	1	---	---	---	---	2	3
Assault.....	---	---	---	---	---	---	---	---	---	---	1	1
Other occurrences.....	---	---	6	2	---	8	1	3	7	---	3	14
Total.....	22	9	108	20	1	160	73	26	141	8	198	440
NONTRAIN INCIDENTS												
Coupling and uncoupling locomotives or Coupling/uncoupling air/steam hose, saf	---	---	---	---	---	---	4	2	2	2	1	11
Operating or on locomotives.....	---	1	---	---	---	1	6	8	3	2	6	23
Operating rail motorcars.....	---	---	---	---	---	---	---	---	---	1	1	2
Operating hand brakes.....	---	---	---	---	---	---	3	6	1	1	6	17
Operating switches or derails.....	---	1	---	---	---	1	1	3	3	4	1	12
Contacting fixed objects while on loco	---	---	---	---	---	---	---	1	---	---	1	2
Getting on or off cars or locomotives.	---	1	---	---	---	1	15	5	36	2	11	64
Collisions, derailments, etc. (below \$	---	---	---	---	---	---	---	---	---	---	---	---
Highway-rail crossing accidents/incide	---	1	---	---	---	1	2	---	3	---	4	9
Struck by/ran into loco/car(not at hwy	---	---	1	---	---	1	---	---	3	---	2	6
Servicing or maintenance of equipment.	---	8	1	---	---	9	29	101	39	25	20	214
Maintenance of way and structures.....	---	16	1	1	---	18	39	123	68	26	32	267
Freight, baggage, express or mail.....	---	---	---	---	---	---	---	1	3	1	---	5
Windows, doors, etc., on on-track equi	---	3	---	---	---	3	7	19	1	1	---	21
Passenger car doors.....	---	---	---	---	---	---	---	1	---	---	---	1
Stumbling, slipping, falling, caught,	---	2	---	---	---	2	65	12	96	7	42	222
Flying or falling objects, burns, etc.	---	---	---	---	---	---	3	4	4	2	1	14
Operation of on-track work equipment..	---	---	---	1	---	1	2	---	---	---	2	5
Assault.....	---	---	---	---	---	---	2	1	1	---	6	10
Other occurrences.....	1	3	---	---	---	4	21	22	27	8	32	105
Total.....	1	36	3	2	---	42	204	315	292	82	170	1,000
Grand Total.....	23	46	111	22	1	203	281	343	441	92	390	1,500

TABLE 49. NONFATAL INJURIES BY OCCURRENCE, 1993

Type of Accident/Incident	.....Other Injuries.....							Total Injured		
	Sprain/ Bruise	Strain	Cut	Elec. Burn	Other Disloc- Burns	Object Cation	In Eye		Other	
TRAIN ACCIDENTS										
Collisions	18	35	11	---	---	2	---	6	72	84
Derailments	25	33	9	---	1	---	---	102	170	176
Rail-highway x-ing	37	41	22	---	4	2	---	50	156	174
Miscellaneous	5	19	4	---	---	---	---	11	39	42
Total.....	85	128	46	---	5	4	---	169	437	476
TRAIN INCIDENTS										
Coupling and uncoupling locomotives or Coupling/uncoupling air/steam hose, saf Operating or on locomotives.....	33 6 74	67 7 172	12 4 26	---	3 1 3	---	3 1 2	4 ---	122 19 415	136 22 426
Operating rail motorcars.....	4	8	1	---	---	1	1	1	16	18
Operating hand brakes.....	15	21	2	---	---	2	---	---	40	42
Operating switches or derails.....	4	5	3	---	---	---	---	3	15	15
Contacting fixed objects while on loco	18	5	9	---	---	2	---	3	37	44
Getting on or off cars or locomotives.	55	154	35	---	---	3	---	12	259	318
Collisions, derailments, etc. (below \$	24	42	7	---	1	1	---	6	81	91
Highway-rail crossing accidents/incide	374	165	379	---	4	5	1	456	1,384	1,610
Struck by/ran into loco/car(not at hwy	47	10	82	1	---	2	---	77	219	406
Servicing or maintenance of equipment.	16	22	4	---	---	---	---	1	43	52
Maintenance of way and structures.....	13	14	10	---	---	1	---	2	40	56
Freight, baggage, express or mail.....	1	2	1	---	---	---	---	1	5	5
Windows, doors, etc., on on-track equi	18	30	20	---	---	---	1	2	71	83
Passenger car doors.....	1	---	1	---	---	---	---	---	2	2
Stumbling, slipping, falling, caught,	27	67	17	1	---	1	---	7	120	140
Flying or falling objects, burns, etc.	9	2	14	3	10	---	26	17	81	83
Operation of on-track work equipment..	20	24	10	---	---	---	1	6	61	64
Assault.....	16	6	20	---	---	1	3	26	72	73
Other occurrences.....	57	79	28	---	---	2	---	20	186	208
Total.....	832	902	685	6	22	23	103	715	3,288	3,894
NONTRAIN INCIDENTS										
Coupling and uncoupling locomotives or Coupling/uncoupling air/steam hose, saf Operating or on locomotives.....	52 46 83	218 99 189	29 36 28	---	---	---	4 3 4	13 12 63	316 198 399	327 213 425
Operating rail motorcars.....	7	6	4	---	---	---	---	---	17	19
Operating hand brakes.....	33	213	26	---	---	5	2	13	292	309
Operating switches or derails.....	59	637	18	---	---	3	2	22	741	754
Contacting fixed objects while on loco	2	6	4	---	---	---	---	---	12	14
Getting on or off cars or locomotives.	149	489	60	---	---	8	---	20	726	796
Collisions, derailments, etc. (below \$	---	---	---	---	---	---	---	---	---	---
Highway-rail crossing accidents/incide	10	2	11	---	---	---	---	6	29	39
Struck by/ran into loco/car(not at hwy	2	2	3	---	---	1	1	1	10	16
Servicing or maintenance of equipment.	407	1,242	408	29	93	15	208	227	2,629	2,852
Maintenance of way and structures.....	512	1,810	551	28	42	32	119	294	3,388	3,694
Freight, baggage, express or mail.....	12	65	4	---	---	---	2	5	88	93
Windows, doors, etc., on on-track equi	76	124	58	1	---	4	---	7	270	301
Passenger car doors.....	5	6	4	---	---	2	---	1	18	19
Stumbling, slipping, falling, caught,	385	1,122	141	1	---	26	---	73	1,748	1,972
Flying or falling objects, burns, etc.	43	21	40	13	28	1	94	123	363	377
Operation of on-track work equipment..	7	36	7	---	---	1	---	5	56	61
Assault.....	42	40	33	---	---	2	2	12	131	141
Other occurrences.....	273	829	185	---	6	9	12	348	1,662	1,776
Total.....	2,205	7,156	1,650	74	172	115	476	1,245	13,093	14,198
Grand Total.....	3,122	8,186	2,381	80	199	142	579	2,129	16,818	18,568

TABLE 50. NATURE OF INJURIES BY PERSON, 1993

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	---	1	---	---	---	1	2	3	4	1	4	14
Firemen and Helpers	---	---	---	---	---	---	---	2	---	---	---	2
Conductors and Foremen	---	2	4	---	---	6	13	7	15	1	5	41
Brakemen and Helpers	---	---	2	---	---	2	13	3	15	6	11	48
Total.....	---	3	6	---	---	9	28	15	34	8	20	105
FREIGHT SERVICE:												
Engineers and Motormen	---	---	---	---	---	---	6	6	4	1	9	26
Firemen and Helpers	---	---	---	---	---	---	---	---	---	---	---	---
Conductors and Foremen	---	1	2	1	---	4	13	11	20	5	17	66
Brakemen and Helpers	---	2	1	1	---	4	9	7	15	4	8	43
Total.....	---	3	3	2	---	8	28	24	39	10	34	135
PASSENGER SERVICE:												
Engineers and Motormen	---	---	---	---	---	---	1	3	3	1	---	8
Firemen and Helpers	---	---	---	---	---	---	---	1	---	---	---	1
Conductors and Foremen	---	---	---	---	---	---	4	9	8	---	4	25
Baggagemen	---	---	---	---	---	---	---	1	---	---	1	2
Brakemen and Helpers	---	---	---	---	---	---	1	---	1	1	---	3
Total.....	---	---	---	---	---	---	6	14	12	2	5	39
HOSTLERS												
.....	---	---	---	---	---	---	---	---	1	---	---	1
--SUMMARY--												
Total employees on duty	1	36	14	6	---	57	169	313	252	78	162	974
Employees not on duty	---	---	---	---	---	---	7	7	16	4	9	43
Passengers	1	1	---	---	---	2	13	5	16	2	17	53
Nontrespassers	1	2	6	---	---	9	69	16	107	6	145	343
Trespassers	20	7	91	16	1	135	23	2	50	2	57	134
Grand total	23	46	111	22	1	203	281	343	441	92	390	1,547

TABLE 50. NATURE OF INJURIES BY PERSON, 1993

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	52	184	23	---	3	---	23	33	318	333
Firemen and Helpers	1	1	---	---	---	---	1	---	3	5
Conductors and Foremen	100	311	50	---	5	2	24	38	530	577
Brakemen and Helpers	179	613	68	3	7	6	39	55	970	1,020
Total.....	332	1,109	141	3	15	8	87	126	1,821	1,935
FREIGHT SERVICE:										
Engineers and Motormen	102	379	48	---	4	8	31	81	653	679
Firemen and Helpers	1	4	2	---	---	1	---	---	8	8
Conductors and Foremen	189	782	85	---	4	15	36	83	1,194	1,264
Brakemen and Helpers	124	448	57	---	2	3	19	62	715	762
Total.....	416	1,613	192	---	10	27	86	226	2,570	2,713
PASSENGER SERVICE:										
Engineers and Motormen	41	84	16	2	1	2	13	25	184	192
Firemen and Helpers	---	4	---	---	1	---	---	1	6	7
Conductors and Foremen	66	207	34	---	---	2	15	44	368	393
Baggagemen	1	5	1	---	---	---	1	1	9	11
Brakemen and Helpers	13	37	11	---	---	---	6	5	72	75
Total.....	121	337	62	2	2	4	35	76	639	678
HOSTLERS	5	41	5	---	---	1	---	5	57	58
										58
--SUMMARY--										
Total employees on duty	2,330	7,641	1,619	71	181	113	552	1,281	13,788	14,819
Employees not on duty	71	126	40	1	5	3	14	38	298	341
Passengers	124	108	90	1	3	7	2	169	504	559
Nontrespassers	491	294	466	1	10	14	11	477	1,764	2,116
Trespassers	106	17	166	6	---	5	---	164	464	733
Grand total	3,122	8,186	2,381	80	199	142	579	2,129	16,818	18,568

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TABLE 51. EMPLOYEE ON DUTY CASUALTIES BY TYPE OF CASUALTY, 1993

Type/Location Of Casualty	Total Cases	CASES WITH DAYS AWAY FROM WORK OR DAYS OF RESTRICTION					Other Cases
		Total Cases	Lost Day Cases	Restricted Cases	Days Away From Work	Days Of Restriction	
INJURIES							
Bruise - Contusion							
Arm or Hand..	644	446	347	99	14,284	2,665	198
Leg or Foot..	785	634	544	90	22,812	2,960	151
Head or Face.	196	143	133	10	7,083	407	53
Torso.....	582	467	431	36	31,557	2,418	115
Other Parts..	123	105	99	6	6,398	543	18
Subtotal	2,330	1,795	1,554	241	82,134	8,993	535
Sprain - Strain							
Arm or Hand..	795	641	500	141	29,093	4,522	154
Leg or Foot..	1,842	1,607	1,411	196	80,881	9,778	235
Head or Face.	461	392	363	29	27,257	1,763	69
Torso.....	4,421	3,851	3,433	418	242,911	22,290	570
Other Parts..	122	105	96	9	5,632	434	17
Subtotal	7,641	6,596	5,803	793	385,774	38,787	1,045
Cut or Laceration							
Arm or Hand..	841	372	281	91	7,906	1,879	469
Leg or Foot..	208	128	109	19	4,910	202	80
Head or Face.	508	210	191	19	6,660	756	298
Torso.....	27	15	15	0	1,382	15	12
Other Parts..	35	24	22	2	1,218	206	11
Subtotal	1,619	749	618	131	22,076	3,058	870
Puncture.....	258	101	88	13	1,847	162	157
Electric Shock or Burn.....	71	52	46	6	1,585	178	19
Other Burn.....	181	95	77	18	2,084	345	86
Dislocation.....	113	95	80	15	7,243	1,309	18
Fracture							
Arm or Hand..	482	376	289	87	14,701	4,167	106
Leg or Foot..	330	288	268	20	22,652	2,250	42
Head or Face.	33	23	23	0	2,469	195	10
Torso.....	124	112	105	7	10,335	462	12
Other Parts..	5	5	4	1	347	119	0
Subtotal	974	804	689	115	50,504	7,193	170
Dental.....	48	10	9	1	245	38	38
Amputation							
Arm or Hand..	37	33	29	4	1,880	105	4
Leg or Foot..	20	20	20	0	4,635	8	0
Other Parts..	0	0	0	0	0	0	0
Subtotal	57	53	49	4	6,515	113	4
Foreign Object in Eye.....	552	231	193	38	1,408	81	321
Hernia.....	147	140	134	6	6,470	727	7
Concussion.....	38	30	28	2	1,669	29	8
Nervous Shock (Injury Related)..	13	10	10	0	144	0	3
Internal Injury.....	19	18	18	0	1,938	11	1
Loss of Eye.....	0	0	0	0	0	0	0
Reaction 1 Time Exposure (Chem).	72	36	36	0	688	0	36
One Time Exposure to Noise.....	22	15	14	1	626	69	7
One Time Exposure to Fumes.....	139	114	105	9	956	84	25
Other -Not Elsewhere Classified.	525	354	330	24	17,778	1,564	171
Total Nonfatal Injuries	14,819	11,298	9,881	1,417	591,684	62,741	3,521
ILLNESSES							
Occu. Skin Diseases or Disorders	54	29	29	0	125	2	25
Dust Diseases of the Lungs.....	2	2	2	0	42	0	0
Respiratory-Due to Toxic Agents.	29	19	19	0	275	6	10
Poison-Systemic Effect of Toxin	0	0	0	0	0	0	0
Disorders Due to Physical Agents	40	27	26	1	263	30	13
Disorders Due to Repeated Trauma	358	126	106	20	7,680	1,570	232
Other Occupational Illnesses....	61	52	52	0	1,649	5	9
Total Nonfatal Illnesses	544	255	234	21	10,034	1,613	289

***Fatal INJURIES > 47

***Fatal ILLNESSES > 0

***TOTAL FATALITIES > 47

TABLE 52. EMPLOYEE ON DUTY CASUALTIES BY JOB CATEGORY

	Killed	Injured	Illness	Total
EXECUTIVES, OFFICIALS, AND STAFF ASSISTANTS				
Executives, officials, and staff assistants (miscellaneous).....	---	1	---	1
Executives and general officers.....	1	8	---	9
Corporate staff managers.....	---	6	1	7
Regional and division officers, assistants and staff assistants....	---	19	5	24
Transportation officers/managers.....	---	26	5	31
Subtotal.....	1	60	11	72
PROFESSIONAL AND ADMINISTRATIVE				
Professional and administrative (miscellaneous).....	---	3	1	4
Professional.....	---	24	1	25
Subprofessionals.....	---	31	---	31
Auditors, traveling auditors or accountants.....	---	9	3	12
General and administrative supervisors.....	---	20	3	23
Sales and traffic representatives and agents.....	---	39	4	43
Freight and other claim agents and investigators.....	---	3	---	3
Supervising and chief claim agents.....	---	4	---	4
Lieutenants and sergeants of police.....	---	33	1	34
Police officers, watchmen and guards (except crossing & bridge)....	---	142	2	144
Inspectors, (except MOW & MOE), other investigators, examiners, etc	---	8	---	8
Buyers, and sales agents.....	---	9	---	9
Clerical technicians and clerical specialists.....	1	82	44	127
Office machine and data equipment operators.....	---	20	1	21
Secretaries, stenographers, and typists.....	---	26	6	32
General and other clerks (except yard clerk and crew dispatcher)...	---	226	21	247
Telephone and switchboard operators.....	---	2	---	2
Building and office attendants.....	---	62	2	64
Messengers and office persons.....	---	8	---	8
Motor vehicle operators.....	---	120	1	121
Subtotal.....	1	871	90	962
MAINTENANCE OF WAY AND STRUCTURES				
Maintenance of way and structures (miscellaneous).....	---	10	1	11
Supervisors, maintenance of way, structures, communication & signals	---	84	3	87
Maintenance of way, structures, comm. & signals, & scale inspectors	---	98	4	102
Bridge and building gang foreman.....	1	71	3	75
Bridge and building carpenters.....	---	177	9	186
Bridge and building ironworkers.....	---	64	---	64
Bridge and building painters.....	---	12	---	12
Masons, bricklayers, plasterers, and plumbers.....	---	162	6	168
Bridge and building helpers and apprentices.....	---	95	3	98
Bridge and building gang and bridge and building dept laborers.....	---	67	2	69
Track gang foremen (extra gang work train laborers).....	---	100	4	104
Gang or section foreman.....	---	322	10	332
Extra gang laborers.....	---	516	20	536
Section laborers.....	3	1,099	28	1,130
Machine operators.....	---	618	22	640
Gang foremen, communications and signals.....	---	47	2	49
Signalmen and signal maintainers.....	3	411	19	433
Linemen and groundmen and communications craftsman.....	---	132	3	135
Assistant signalmen and assistant signal maintainers.....	---	54	1	55
Signal helpers and signal maintainer helpers.....	---	41	2	43
Camp car cooks.....	---	1	---	1
Subtotal.....	7	4,181	142	4,330
MAINTENANCE OF EQUIPMENT AND STORES				
Maintenance of equipment and stores (miscellaneous).....	---	10	1	11
Supervisors and general foremen, maintenance of equipment.....	---	90	1	91
Supervisors and general foremen, materials and stores.....	---	10	---	10
Equipment, shop, electrical inspectors.....	---	12	---	12
Materials and supplies inspectors.....	---	1	---	1
Storekeeper.....	---	66	1	67
Gang foremen, maintenance of equipment.....	---	51	1	52
Blacksmiths.....	---	12	1	13

TABLE 52. EMPLOYEE ON DUTY CASUALTIES BY JOB CATEGORY

	Killed	Injured	Illness	Total
MAINTENANCE OF EQUIPMENT AND STORES (cont.)				
Boilermakers.....	2	50	2	54
Carmen (freight).....	2	1,032	30	1,064
Carmen (other).....	---	357	5	362
Electrical workers (A).....	---	410	11	421
Electrical workers (B).....	---	11	---	11
Electrical workers (C).....	---	3	---	3
Machinists.....	---	700	24	724
Sheet metal workers.....	---	141	5	146
Skilled trades, helpers, maintenance of equipment and stores.....	---	89	1	90
Apprentices, maintenance of equipment and stores.....	---	22	---	22
Coach cleaners.....	---	212	3	215
Laborers: shops, enginehouses and power plants.....	---	274	7	281
Gang foremen, materials and stores.....	---	6	---	6
Equipment operators and general laborers, materials and stores.....	---	65	1	66
Stationary engineers.....	---	7	---	7
Stationary firemen.....	---	8	---	8
Subtotal.....	4	3,639	94	3,737
TRANSPORTATION, OTHER THAN TRAIN AND ENGINE				
Transportation, other than train and engine (miscellaneous).....	---	1	---	1
Transportation supervisor and chief train dispatcher.....	---	9	1	10
Train dispatchers.....	---	18	2	20
Station, freight and passenger agents.....	1	36	2	39
Chief operators and wire chiefs.....	---	3	---	3
Clerk operators, towerman, train directors.....	---	33	2	35
Station masters & assts, supervising bag. agents, bag. agents, etc.	---	7	---	7
Baggage, parcel room and station attendents.....	---	38	---	38
General & asst gnrl foremen, stations, warehouses, grain elev., docks.	---	2	---	2
Grain elevator, and dock laborers.....	---	26	---	26
Station, and warehouse laborers.....	---	32	1	33
Truckers (station, warehouse and platforms).....	1	13	---	14
Food and lodging manager, supervisors.....	---	8	---	8
Transportation and dining-service inspectors.....	---	2	---	2
Waiters and kitchen helpers (restaurant and dining car).....	---	24	---	24
Chefs and cooks (restaurant and dining car).....	---	45	---	45
Marine officers and workers and shore workers.....	---	1	---	1
Train attendents.....	---	209	2	211
Bridge operators and helpers.....	1	8	---	9
Yards clerks.....	---	55	7	62
Crew dispatchers.....	---	11	7	18
Yardmasters and assistant yardmasters.....	---	44	8	52
Subtotal.....	3	625	32	660
TRANSPORTATION, TRAIN AND ENGINE				
Transportation, train and engine (miscellaneous).....	---	7	---	7
Switchtenders.....	---	31	---	31
Car retarder operators and ground service employees.....	---	4	---	4
Outside hostlers.....	---	37	---	37
Outside hostler helpers.....	---	21	---	21
Inside hostler.....	---	17	---	17
Road passenger conductors.....	1	298	6	305
Assistant road passenger conductors and ticket collectors.....	---	95	---	95
Road freight conductors (through freight).....	7	793	29	829
Road freight conductors (local and way freight).....	3	471	7	481
Road passenger baggage person.....	---	11	---	11
Road Passenger brakemen and flagmen.....	---	75	2	77
Road freight brakemen and flagmen (through freight).....	3	302	24	329
Road freight brakemen and flagmen (local and way freight).....	5	460	12	477
Yard conductors and yard foremen.....	3	577	21	601
Yard brakemen and yard helpers.....	---	1,020	30	1,050
Road passenger engineers and motormen.....	4	192	4	200
Road freight engineers (through freight).....	4	504	19	527
Road freight engineers (local and way freight).....	---	175	7	182
Yard engineers.....	---	333	13	346
Road passenger firemen and helpers.....	---	7	---	7
Road freight firemen and helpers (through freight).....	1	5	1	7
Road freight firemen and helpers (local and way freight).....	---	3	---	3
Yard firemen and helpers.....	---	5	---	5
Subtotal.....	31	5,443	175	5,649
Total.....	47	14,819	544	15,410

TABLE 53. EMPLOYEE FATALITIES BY JOB GROUPS, 1993

Type accident/incident	I*	II	III	IV	V	VI	Total
TRAIN ACCIDENTS							
Collisions	---	---	---	---	---	7	7
Derailments	1	---	---	---	---	5	6
Rail-highway x-ing	---	---	---	---	---	1	1
Miscellaneous	---	---	---	---	---	---	---
Total.....	1	---	---	---	---	13	14
TRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	---	---	---	---	---	1	1
Coupling/uncoupling air/steam hose, safety chains.	---	---	---	---	---	---	---
Operating or on locomotives.....	---	---	---	---	---	1	1
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.....	---	---	---	---	---	5	5
Collisions, derailments, etc. (below \$ threshold)	---	---	---	---	---	---	---
Highway-rail crossing accidents/incidents.....	---	---	---	---	---	2	2
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	---	1	2	---	4	7
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.....	---	---	---	---	---	1	1
Flying or falling objects, burns, etc., N.O.C....	---	---	---	---	---	---	---
Operation of on-track work equipment.....	---	---	---	---	---	---	---
Assault.....	---	---	---	---	---	---	---
Other occurrences.....	---	---	---	---	---	1	1
Total.....	---	---	3	2	---	16	21
NONTRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	---	---	---	---	---	1	1
Coupling/uncoupling air/steam hose, safety chains.	---	---	---	---	---	---	---
Operating or on locomotives.....	---	---	---	---	---	---	---
Operating rail motorcars.....	---	---	---	---	---	---	---
Operating hand brakes.....	---	---	---	---	---	---	---
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).	---	---	2	---	---	---	2
Servicing or maintenance of equipment.....	---	---	---	2	---	---	2
Maintenance of way and structures.....	---	---	2	---	1	---	3
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.....	---	---	---	---	---	---	---
Assault.....	---	---	---	---	1	---	1
Other occurrences.....	---	1	---	---	1	1	3
Total.....	---	1	4	2	3	2	12
Grand total.....	1	1	7	4	3	31	47

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, 1993

Type accident/incident	I*	II	III	IV	V	VI	Total
TRAIN ACCIDENTS							
Collisions	---	---	2	1	---	55	58
Derailments	1	---	3	1	8	42	55
Rail-highway x-ing	---	---	2	---	15	60	77
Miscellaneous	---	---	7	3	---	28	38
Total.....	1	---	14	5	23	185	228
TRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	---	---	---	6	1	129	136
Coupling/uncoupling air/steam hose, safety chains.	---	---	---	1	---	21	22
Operating or on locomotives.....	1	1	1	8	5	409	425
Operating rail motorcars.....	---	---	7	1	1	9	18
Operating hand brakes.....	---	---	---	---	---	42	42
Operating switches or derails.....	---	---	1	---	5	9	15
Contacting fixed objects while on locos or cars..	---	---	---	---	1	43	44
Getting on or off cars or locomotives.....	1	---	---	5	1	240	247
Collisions, derailments, etc. (below \$ threshold)	---	---	---	5	9	57	71
Highway-rail crossing accidents/incidents.....	---	2	2	6	2	40	52
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	---	1	1	---	17	19
Servicing or maintenance of equipment.....	---	---	4	45	---	2	51
Maintenance of way and structures.....	---	2	54	---	---	---	56
Freight, baggage, express or mail.....	---	---	---	---	2	3	5
Windows, doors, etc., on on-track equipment.....	---	1	3	1	14	47	66
Passenger car doors.....	---	---	---	---	---	1	1
Stumbling, slipping, falling, caught, N.O.C.....	1	---	3	4	12	80	100
Flying or falling objects, burns, etc., N.O.C....	2	2	1	1	10	59	75
Operation of on-track work equipment.....	---	1	54	3	1	1	60
Assault.....	---	2	---	---	3	42	47
Other occurrences.....	---	3	2	8	35	96	144
Total.....	5	14	133	95	102	1,347	1,696
NONTRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	---	---	3	10	1	313	327
Coupling/uncoupling air/steam hose, safety chains.	---	---	3	40	1	166	210
Operating or on locomotives.....	1	---	1	48	---	374	424
Operating rail motorcars.....	---	1	13	---	---	4	18
Operating hand brakes.....	---	---	1	26	---	282	309
Operating switches or derails.....	3	1	34	38	8	670	754
Contacting fixed objects while on locos or cars..	---	---	1	2	---	11	14
Getting on or off cars or locomotives.....	2	17	20	94	15	506	654
Collisions, derailments, etc. (below \$ threshold)	---	---	---	---	---	---	---
Highway-rail crossing accidents/incidents.....	---	---	---	---	---	---	---
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	1	2	1	---	4	8
Servicing or maintenance of equipment.....	4	40	151	2,524	18	74	2,811
Maintenance of way and structures.....	6	96	3,251	237	15	31	3,636
Freight, baggage, express or mail.....	1	12	---	5	43	26	87
Windows, doors, etc., on on-track equipment.....	3	6	32	75	23	141	280
Passenger car doors.....	---	---	---	1	1	1	3
Stumbling, slipping, falling, caught, N.O.C.....	10	155	194	215	120	759	1,453
Flying or falling objects, burns, etc., N.O.C....	2	53	21	29	53	143	301
Operation of on-track work equipment.....	---	2	51	5	---	3	61
Assault.....	---	55	6	12	7	36	116
Other occurrences.....	22	418	250	177	195	367	1,429
Total.....	54	857	4,034	3,539	500	3,911	12,895
Grand total.....	60	871	4,181	3,639	625	5,443	14,819

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, 1993

Type of Occurrence	Total Cases	Cases With Days Away From Work Or Days Of Restriction					Other Cases
		Total Cases	Lost Day Cases	Restricted Cases	Days Away From Work	Days Of Restriction	
TRAIN ACCIDENTS							
Collisions	58	52	52	---	4,636	35	6
Derailments	55	51	50	1	4,373	316	4
Rail-highway x-ing	77	65	64	1	5,847	436	12
Miscellaneous	38	33	32	1	2,801	110	5
Total.....	228	201	198	3	17,657	897	27
TRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	136	119	107	12	8,921	688	17
Coupling/uncoupling air/steam hose, safety chains	22	17	16	1	1,272	20	5
Operating or on locomotives.....	425	335	316	19	22,620	1,572	90
Operating rail motorcars.....	18	15	14	1	1,077	335	3
Operating hand brakes.....	42	37	34	3	2,287	95	5
Operating switches or derails.....	15	11	10	1	273	35	4
Contacting fixed objects while on locos or cars.	44	36	36	---	1,787	193	8
Getting on or off cars or locomotives.....	247	220	197	23	14,326	1,959	27
Collisions, derailments, etc. (below \$ threshold)	71	64	62	2	5,450	211	7
Highway-rail crossing accidents/incidents.....	52	48	44	4	4,632	229	4
Struck by/ran into loco/car(not at hwy-rr x-ing).	19	18	16	2	2,285	13	1
Servicing or maintenance of equipment.....	51	40	34	6	2,916	241	11
Maintenance of way and structures.....	56	43	37	6	3,372	105	13
Freight, baggage, express or mail.....	5	5	5	---	530	---	---
Windows, doors, etc., on on-track equipment.....	66	56	54	2	2,539	125	10
Passenger car doors.....	1	1	1	---	62	---	---
Stumbling, slipping, falling, caught, N.O.C.....	100	90	84	6	6,443	302	10
Flying or falling objects, burns, etc., N.O.C....	75	46	40	6	1,036	51	29
Operation of on-track work equipment.....	60	46	39	7	3,054	409	14
Assault.....	47	38	36	2	1,383	10	9
Other occurrences.....	144	117	113	4	6,359	262	27
Total.....	1,696	1,402	1,295	107	92,624	6,855	294
NONTRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	327	277	244	33	18,826	1,277	50
Coupling/uncoupling air/steam hose, safety chains.	210	167	149	18	10,567	1,176	43
Operating or on locomotives.....	424	342	314	28	22,974	1,222	82
Operating rail motorcars.....	18	12	12	---	630	30	6
Operating hand brakes.....	309	266	245	21	16,298	2,066	43
Operating switches or derails.....	754	676	618	58	48,749	4,542	78
Contacting fixed objects while on locos or cars..	14	10	8	2	397	36	4
Getting on or off cars or locomotives.....	654	572	508	64	31,040	2,240	82
Collisions, derailments, etc. (below \$ threshold)	---	---	---	---	---	---	---
Highway-rail crossing accidents/incidents.....	---	---	---	---	---	---	---
Struck by/ran into loco/car(not at hwy-rr x-ing).	8	7	7	---	874	---	1
Servicing or maintenance of equipment.....	2,811	1,964	1,596	368	81,872	14,551	847
Maintenance of way and structures.....	3,636	2,546	2,082	464	108,498	15,155	1,090
Freight, baggage, express or mail.....	87	59	58	1	3,370	21	28
Windows, doors, etc., on on-track equipment.....	280	204	175	29	7,717	1,037	76
Passenger car doors.....	3	3	3	---	64	---	---
Stumbling, slipping, falling, caught, N.O.C.....	1,453	1,263	1,146	117	75,151	6,924	190
Flying or falling objects, burns, etc., N.O.C....	301	206	183	23	3,445	352	95
Operation of on-track work equipment.....	61	47	39	8	3,193	593	14
Assault.....	116	97	92	5	3,429	399	19
Other occurrences.....	1,429	977	909	68	44,309	3,368	452
Total.....	12,895	9,695	8,388	1,307	481,403	54,989	3,200
Grand total.....	14,819	11,298	9,881	1,417	591,684	62,741	3,521

TABLE 56. EMPLOYEE ILLNESSES BY JOB GROUPS, 1993

Type accident/incident	I*	II	III	IV	V	VI	Total
TRAIN ACCIDENTS							
Collisions	---	---	---	---	---	3	3
Deraillments	---	---	---	---	---	3	3
Rail-highway x-ing	---	---	---	---	---	4	4
Miscellaneous	---	---	---	---	---	---	---
Total.....	---	---	---	---	---	10	10
TRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	---	---	---	---	---	---	---
Coupling/uncoupling air/steam hose, safety chains.	---	---	---	---	---	---	---
Operating or on locomotives.....	---	---	---	---	---	13	13
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.....	---	---	---	---	---	1	1
Collisions, derailments, etc. (below \$ threshold)	---	---	---	---	---	---	---
Highway-rail crossing accidents/incidents.....	---	---	---	---	---	10	10
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	---	---	---	---	1	1
Servicing or maintenance of equipment.....	---	---	---	---	---	---	---
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.....	---	---	---	---	---	---	---
Flying or falling objects, burns, etc., N.O.C....	---	---	---	---	---	1	1
Operation of on-track work equipment.....	---	---	---	---	---	---	---
Assault.....	---	---	---	---	---	---	---
Other occurrences.....	---	---	---	2	1	10	13
Total.....	---	---	---	2	1	38	41
NONTRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	---	---	---	1	---	3	4
Coupling/uncoupling air/steam hose, safety chains.	---	---	---	---	---	3	3
Operating or on locomotives.....	---	---	---	---	---	8	8
Operating rail motorcars.....	---	---	---	---	---	---	---
Operating hand brakes.....	---	---	---	---	---	2	2
Operating switches or derails.....	---	---	---	---	---	1	1
Contacting fixed objects while on locos or cars..	---	---	---	---	---	---	---
Getting on or off cars or locomotives.....	---	---	1	---	---	2	3
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	4	55	---	2	63
Maintenance of way and structures.....	---	---	81	6	---	---	87
Freight, baggage, express or mail.....	---	---	---	---	---	1	1
Windows, doors, etc., on on-track equipment.....	---	---	---	1	---	1	2
Passenger car doors.....	---	---	---	---	---	---	---
Stumbling, slipping, falling, caught, N.O.C.....	---	---	---	2	---	1	3
Flying or falling objects, burns, etc., N.O.C....	---	4	---	---	6	3	13
Operation of on-track work equipment.....	---	---	---	---	---	---	---
Assault.....	---	---	---	---	---	1	1
Other occurrences.....	10	85	56	27	25	99	302
Total.....	11	90	142	92	31	127	493
Grand total.....	11	90	142	94	32	175	544

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 NON-FATAL EMPLOYEE-ON-DUTY INJURIES DUE TO ASSAULTS, 1993

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	
CLASS I RAILROADS							
Amtrak (Nat'l. Railroad Passenger Corp.)	0	0	0	0	3	21	24
Atchison, Topeka & Santa Fe Railway	1	0	0	0	0	0	1
Burlington Northern Railroad Co.	0	0	0	0	0	1	1
Chicago & North Western Trans.	3	0	0	0	1	1	5
Consolidated Rail Corp.	6	0	1	0	0	8	15
CSX Transportation	3	0	0	0	0	7	10
Denver & Rio Grande Western Railroad	0	0	0	0	0	1	1
Grand Trunk Western Railroad Inc.	0	0	0	1	1	0	2
Illinois Central Railroad Co.	2	0	0	0	1	0	3
Kansas City Southern Railway Co.	0	0	0	0	0	0	0
Norfolk Southern Corp.	0	0	1	0	1	3	5
Soo Line Railroad Co.	0	1	0	0	0	0	1
Southern Pacific Transportation Co.	6	0	0	0	0	4	10
St. Louis Southwestern Railway Co.	0	0	0	0	0	1	1
Union Pacific Railroad Co.	3	0	0	0	2	3	8
Total Class I Railroads.....	24	1	2	1	9	50	87
GROUP II RAILROADS **							
Alton & Southern Railroad	0	0	0	0	0	0	0
Alaska Railroad Corp.	0	0	0	0	0	0	0
Bangor & Aroostook Railroad	0	0	0	0	0	0	0
Bessemer & Lake Erie Railroad Co.	0	0	0	0	0	0	0
Belt Railway Company Of Chicago	0	0	0	0	0	0	0
Birmingham Southern Railroad Co.	0	0	0	0	0	0	0
Chicago, Central & Pacific Railroad Co.	0	0	0	0	0	0	0
Cuyahoga Valley Railway Co.	0	0	0	0	0	0	0
Delaware & Hudson Railway Co.	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 Co.	0	0	0	0	0	1	1
Florida East Coast Railway Co.	0	0	0	0	0	1	1
Gateway Western Railway	0	0	0	0	0	0	0
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0
Indiana Harbor Belt Railroad Co.	0	0	0	1	0	0	1
Long Island Rail Road	0	0	0	0	1	17	18
Metro North Commuter Railroad Co.	0	0	0	0	6	21	27
Montana Rail Link	0	0	0	0	0	0	0
Midsouth Railroad Corp.	0	0	0	0	0	0	0
Northern Indiana Commuter Trans.	0	0	0	0	0	2	2
Northeast Illinois Regional Comuter	0	0	0	0	0	4	4
New Jersey Transit Rail Operations	0	0	1	0	5	4	10
Paducah & Louisville Railway Co.	1	0	0	0	0	0	1
Port Authority Trans Hudson	0	0	0	0	0	3	3
Port Terminal Railroad Assoc.	0	0	0	0	0	0	0
Southeastern Pennsylvania Trans.	0	0	1	0	1	3	5
Southrail Corporation	0	0	0	0	0	0	0
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	0
Springfield Terminal Railway Co.	0	0	0	0	0	0	0
Texas Mexican Railway Co.	0	0	0	0	0	0	0
Terminal Railroad Assoc. Of State Dock	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 Co.	0	0	0	0	0	0	0
TOTAL GROUP II RAILROADS.....	1	0	2	1	13	56	73
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)							
Class I Railroads	24	1	2	1	9	50	87
Group II Railroads **	1	0	2	1	13	56	73
All Other Railroads	1	0	0	1	0	1	3
Total All Railroads	26	1	4	3	22	107	163

** 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, 1993

Cause	Total Killed	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
HIGHWAY-RAIL GRADE CROSSING ACCIDENTS						
M302 Highway user inattentiveness	23	---	---	---	21	2
M303 Hwy user misjudgement	5	---	---	---	5	---
M306 Highway user unable to stop, weather	1	---	---	---	1	---
M399 Other causes (highway-rail collisions)	21	1	---	---	9	11
SUBTOTAL.....	50	1	---	---	36	13
UNUSUAL OPERATIONAL SITUATIONS						
M401 Emergency brke appl. to avoid accident	1	---	---	---	---	1
M402 Object/equipment (mtr veh) on track	1	---	---	---	1	---
SUBTOTAL.....	2	---	---	---	1	1
OTHER MISCELLANEOUS						
M505 Cause under investigation	60	9	---	9	2	42
M599 Other miscellaneous causes	1	---	1	1	---	---
SUBTOTAL.....	61	9	1	10	2	42
GRAND TOTAL.....	113	10	1	11	2	42

TABLE 59. INJURIES IN ACCIDENTS RESULTING FROM MISCELLANEOUS CAUSES BY CAUSE, 1993

Cause	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
ENVIRONMENTAL CONDITIONS						
M101 Snow,ice,mud,gravel,coal,etc. on trk	4	3	1	4	---	---
M103 Extreme environmental - FLOOD	1	1	---	1	---	---
SUBTOTAL.....	5	4	1	5	---	---
HIGHWAY-RAIL GRADE CROSSING ACCIDENTS						
M301 Hwy user impairment-drug/alcohol use	1	---	---	---	1	---
M302 Highway user inattentiveness	45	27	1	28	12	5
M303 Hwy user misjudgement	22	8	---	8	3	10
M304 Highway user cited for violation	13	4	1	5	---	8
M306 Highway user unable to stop, weather	1	1	---	1	---	---
M399 Other causes (highway-rail collisions)	81	21	10	31	33	15
SUBTOTAL.....	163	61	12	73	36	46
UNUSUAL OPERATIONAL SITUATIONS						
M401 Emergency brke appl. to avoid accident	5	5	---	5	---	---
M402 Object/equipment (mtr veh) on track	6	1	1	2	---	3
M404 Obj/equip on/fouling track, other	1	1	---	1	---	---
M405 Harmonic rock off, etc.	1	1	---	1	---	---
SUBTOTAL.....	13	8	1	9	1	3
OTHER MISCELLANEOUS						
M501 Interference(not vandals)with RR op.	1	---	---	---	1	---
M502 Vandalism of on-track equipment	2	2	---	2	---	---
M503 Vandalism of track or track appliances	21	7	7	14	7	---
M505 Cause under investigation	131	13	9	22	12	95
M599 Other miscellaneous causes	6	4	1	5	---	1
SUBTOTAL.....	161	26	17	43	12	102
GRAND TOTAL.....	342	99	31	130	12	139

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, 1993**

Cause	Total Killed	...Employees On Duty...		Emp Not On Duty	Passengers	Nontrespassers	Trespassers
		Trainmen	Other				
BRAKES, USE OF							
H025 Fail to ctrl car spd use hnd brk-r emp	1	1	---	1	---	---	---
SUBTOTAL.....	1	1	---	1	---	---	---
FLAGGING, FIXED, HAND AND RADIO SIGNALS							
H204 Fixed signal, failure to comply	1	1	---	1	---	---	---
SUBTOTAL.....	1	1	---	1	---	---	---
GENERAL SWITCHING RULES							
H303 Derail, failure to apply or remove	1	1	---	1	---	---	---
SUBTOTAL.....	1	1	---	1	---	---	---
MAIN TRACK AUTHORITY							
H401 Failure to stop train in clear	7	---	---	---	7	---	---
SUBTOTAL.....	7	---	---	---	7	---	---
GRAND TOTAL.....	10	3	---	3	7	---	---

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, 1993**

Cause	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
BRAKES, USE OF						
H017 Failure to secure engine- rr empl	1	1	---	1	---	---
H020 Fail to apply suff. hand brakes -rr em	4	4	---	4	---	---
H025 Fail to ctrl car spd use hnd brk-r emp	3	3	---	3	---	---
H099 Use of brakes, other	1	---	1	1	---	---
SUBTOTAL.....	9	8	1	9	---	---
FLAGGING, FIXED, HAND AND RADIO SIGNALS						
H204 Fixed signal, failure to comply	1	1	---	1	---	---
H216 Interlocking signal, failure to comply	4	4	---	4	---	---
SUBTOTAL.....	5	5	---	5	---	---
GENERAL SWITCHING RULES						
H302 Cars left foul	1	---	1	1	---	---
H305 Instruction to trn/yard crew improper	2	2	---	2	---	---
H306 Shoving movement, absence of man	2	2	---	2	---	---
H307 Shoving movement, failure to control	1	1	---	1	---	---
H314 Retarder yard skate improperly applied	2	1	1	2	---	---
H399 Other general switching rules	3	2	1	3	---	---
SUBTOTAL.....	11	8	3	11	---	---
MAIN TRACK AUTHORITY						
H401 Failure to stop train in clear	46	21	---	21	---	25
H402 Motor car/on-trk rules, fail to comply	1	---	1	1	---	---
H404 Fail to comply with trn order, etc.	4	2	2	4	---	---
H499 Other main track authority causes	2	2	---	2	---	---
SUBTOTAL.....	53	25	3	28	---	25
SPEED						
H601 Coupling speed excessive	3	3	---	3	---	---
H602 Switch movement, excessive speed	3	3	---	3	---	---
H605 Failure to comply with restricted spee	3	3	---	3	---	---
H699 Speed, other	2	2	---	2	---	---
SUBTOTAL.....	11	11	---	11	---	---
SWITCHES, USE OF						
H702 Switch improperly lined	2	2	---	2	---	---
SUBTOTAL.....	2	2	---	2	---	---
MISCELLANEOUS						
H999 Other train operation/human factors	1	---	1	1	---	---
SUBTOTAL.....	1	---	1	1	---	---
GRAND TOTAL.....	92	59	8	67	---	25

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, 1993

Cause	Total Killed	...Employees On Duty...		Emp Not On Duty	Passengers	Nontrespassers	Trespassers
		Trainmen	Other				
TRUCK COMPONENTS							
E4TC Truck hunting	2	---	---	---	---	---	2
SUBTOTAL.....	2	---	---	---	---	---	2
GRAND TOTAL.....	2	---	---	---	---	---	2

TABLE 63. INJURIES IN ACCIDENTS RESULTING FROM MECHANICAL AND ELECTRICAL FAILURES BY CAUSE, 1993

Cause	Total Injured	...Employees On Duty...		Emp Not On Duty	Passengers	Nontrespassers	Trespassers
		Trainmen	Other				
BRAKES							
E03C Obstructed brake pipe	2	2	---	2	---	---	---
E09L Other brake defects, (LOCOMOTIVE)	5	4	1	5	---	---	---
SUBTOTAL.....	7	6	1	7	---	---	---
TRAILER OR CONTAINER ON FLAT CAR							
E12C Broken or defective container	3	3	---	3	---	---	---
SUBTOTAL.....	3	3	---	3	---	---	---
COUPLER AND DRAFT SYSTEM							
E32C Coupler drawhead broken or defective	1	1	---	1	---	---	---
SUBTOTAL.....	1	1	---	1	---	---	---
TRUCK COMPONENTS							
E46C Truck bolster stiff	2	2	---	2	---	---	---
SUBTOTAL.....	2	2	---	2	---	---	---
WHEELS							
E69C Other wheel defects (CAR)	1	---	1	1	---	---	---
SUBTOTAL.....	1	---	1	1	---	---	---
LOCOMOTIVES							
E73L Oil or fuel fire (LOCOMOTIVE)	1	1	---	1	---	---	---
E74L Electrically caused fire (LOCOMOTIVE)	4	3	1	4	---	---	---
SUBTOTAL.....	5	4	1	5	---	---	---
GENERAL MECHANICAL AND ELECTRICAL FAILURES							
E99L Other mechanical/electrical fail(LOCO)	1	1	---	1	---	---	---
SUBTOTAL.....	1	1	---	1	---	---	---
GRAND TOTAL.....	20	17	3	20	---	---	---

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 STRUCTURE, 1993

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

TABLE 65. INJURIES IN ACCIDENTS RESULTING FROM TRACK, ROADBED, AND STRUCTURES BY CAUSE, 1993

Cause	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
ROADBED DEFECTS						
T001 Roadbed settled or soft	1	1	---	---	---	---
T002 Washout/rain/slide/etc. dmg -track	3	3	---	---	---	---
SUBTOTAL.....	4	4	---	---	---	---
TRACK GEOMETRY DEFECTS						
T101 Cross level of track irregular(joints)	1	---	1	---	---	---
T110 Wide gage(defective/missing crossties)	3	2	---	1	---	---
SUBTOTAL.....	4	2	1	1	---	---
RAIL AND JOINT BAR DEFECTS						
T207 Detail fracture - shelling/head check	1	1	---	---	---	---
T215 Joint bar broken (noninsulated)	2	2	---	---	---	---
T221 Vertical split head	2	2	---	---	---	---
T299 Other rail and joint bar defects	9	---	---	---	9	---
SUBTOTAL.....	14	5	---	---	9	---
FROGS, SWITCHES AND TRACK APPLIANCES						
T305 Retarder worn, broken, malfunctioning	1	1	---	---	---	---
T311 Switch damaged or out of adjustment	1	1	---	---	---	---
T314 Switch point worn or broken	3	3	---	---	---	---
SUBTOTAL.....	5	5	---	---	---	---
SIGNAL AND COMMUNICATION FAILURES						
S007 Class yd auto ctrl sys retarder fail	3	3	---	---	---	---
S099 Other signal failures	2	1	---	1	---	---
SUBTOTAL.....	5	4	---	1	---	---
GRAND TOTAL.....	32	20	1	21	1	9

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, 1993

Occurrence	Total Killed	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Montres-passers	Tres-passers
COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS						
001T Adjusting coupler, equipment moving unexpectedly	1	1 ---	1 ---	---	---	---
SUBTOTAL.....	1	1 ---	1 ---	---	---	---
OPERATING OR ON LOCOMOTIVES						
119T Other accidents/incidents while operating locomotives - eqp moving	1	1 ---	1 ---	---	---	---
SUBTOTAL.....	1	1 ---	1 ---	---	---	---
OPERATING RAIL MOTORCARS						
154T Unexpected movement of rail motorcar	1	---	---	---	1	---
SUBTOTAL.....	1	---	---	---	1	---
CONTACTING FIXED OBJECTS WHILE ON LOCOMOTIVES OR CARS						
402T Persons on side/end of locos/cars contacting fixed objects - eqp mov	1	1 ---	1 ---	---	---	---
SUBTOTAL.....	1	1 ---	1 ---	---	---	---
GETTING ON OR OFF CARS OR LOCOMOTIVES						
501T Slip/fell due to lost/missed hold of grabiron,handhold,etc.-eqp mov	1	---	---	---	---	1
502T Slip/fell due to losing/missing footing on step,stirrup,etc.-eqp mov	2	---	---	---	---	2
507T Falling, slipping, tripping, not elsewhere classified - eqp moving	4	3 ---	3 ---	---	---	1
511T Strike/struck by eqp/structures(not bridge/trestle), or mat -eqp mov	1	1 ---	1 ---	---	---	---
513T Jumping from equipment - equipment moving	1	---	---	---	1	---
519T Other acc/inc while getting on or off cars or locos - equipment mov	3	1 ---	1 ---	---	---	2
SUBTOTAL.....	12	5 ---	5 ---	---	1	6
COLLISIONS, DERAILMENTS, ETC.(\$DMG BELOW THRESHOLD)						
601T Casualty resulting fm a collision which did not satisfy \$ threshold	1	---	---	---	---	1
603T Casualty resulting fm oth than Rail Equip A/I(not at rail-hwy X-ing)	15	---	---	---	---	15
SUBTOTAL.....	16	---	---	---	---	16
RAIL-HIGHWAY CROSSING ACCIDENTS/INCIDENTS						
609T Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp mov	519	1 ---	1 ---	---	388	130
610T Casualty at private rail-hwy X-ing (Not rptd on form 6180-54)-eqp mov	39	1 ---	1 ---	---	34	4
SUBTOTAL.....	558	2 ---	2 ---	---	422	134

TABLE 66. FATALITIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1993

Occurrence	Total Killed	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Nontrespassers	Trespassers	
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	177	1	---	1	---	4	172
702T Crossing track at private rail-highway crossing - equipment moving	4	---	---	---	---	---	4
703T Crossing track not at a crossing - equipment moving	34	---	---	---	---	1	33
704T While on public thoroughfare - equipment moving	7	---	---	---	---	1	6
705T On bridges or trestles - equipment moving	14	---	---	---	---	1	13
706T Sitting or lying on track or near track, not in clear - eqp moving	201	1	---	1	---	5	195
707T While working on or along track - equipment moving	3	1	1	2	---	1	---
708T Passing over, through, or under cars - equipment moving	6	---	---	---	---	---	6
709T Struck by or ran into loco/car (not at hwy x-ing), misc-eqp mov	47	1	2	3	1	2	41
SUBTOTAL.....	493	4	3	7	1	15	470
MAINTENANCE OF WAY AND STRUCTURES							
853T Striking or being struck by eqp, structures, or material-eqp mov	2	---	2	2	---	---	---
SUBTOTAL.....	2	---	2	2	---	---	---
STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED							
935T From bridges of trestles-equipment moving	2	---	---	---	---	---	2
938T While on locomotive or car-equipment moving	1	1	---	1	---	---	---
SUBTOTAL.....	3	1	---	1	---	---	2
FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.							
947T Electrical inj from contact with catenary, 3rd rail, etc., equipment moving	1	---	---	---	---	---	1
SUBTOTAL.....	1	---	---	---	---	---	1
ASSAULT							
96AT Shot while on moving on-track equipment	6	---	---	---	---	6	---
SUBTOTAL.....	6	---	---	---	---	6	---
OTHER OCCURRENCES							
972T Sudden movement of car, not otherwise classified	1	1	---	1	---	---	---
989T Other accidents/incidents-equipment moving	7	---	---	---	---	1	6
SUBTOTAL.....	8	1	---	1	---	1	6
GRAND TOTAL.....	1,103	16	5	21	1	8	635

NOTE: Contractor employees are included with nontrespassers

TABLE 67. INJURIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1993

Occurrence	Total Injured	...Employees On Duty... Trainmen Other	Total	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS							
001T Adjusting coupler, equipment moving unexpectedly	4	4	---	4	---	---	---
002T Adjusting coupler - equipment moving	2	2	---	2	---	---	---
003T Crossing over, under or between on-track equipment, equipment moving	3	2	1	3	---	---	---
004T Adjusting coupler, part of coupler fell striking person - eqp moving	1	---	1	1	---	---	---
005T Use of uncoupling lever - equipment moving	35	35	---	35	---	---	---
006T Use of uncoupling lever - equipment moving unexpectedly	1	1	---	1	---	---	---
007T Striking parts of body against equipment - equipment moving	28	27	1	28	---	---	---
008T Stumbled,slipped,fell,etc. on foreign obj/irreg surface-eqp moving	26	25	1	26	---	---	---
009T Other acc/inc while coupl/uncoupl cars or locos - equip moving	36	33	3	36	---	---	---
SUBTOTAL.....	136	129	7	136	---	---	---
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	4	---	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	5	5	---	5	---	---	---
056T Burned by hot water or steam from hose - equipment moving	1	1	---	1	---	---	---
059T Oth A/I while coupl/uncoupl air/steam hose or turn angl cock-eqp mov	11	10	1	11	---	---	---
SUBTOTAL.....	22	21	1	22	---	---	---
OPERATING OR ON LOCOMOTIVES							
101T Burn or electrical shock - equipment moving	1	1	---	1	---	---	---
102T Striking parts of body against equipment, moving about loco-eqp mov	37	36	1	37	---	---	---
103T Struck by tools or other objects falling - equipment moving	14	13	1	14	---	---	---
104T Stumbled, slipped, fell, stepped on foreign obj, etc., - eqp moving	21	19	1	20	1	---	---
105T Checking, oiling, servicing locomotive, etc. - equipment moving	1	1	---	1	---	---	---
106T Unexpected movement of locomotive, other than slack action	36	28	8	36	---	---	---
107T Slack action in locomotive	56	55	1	56	---	---	---
108T Striking parts of body against equipment due to sudden stop of loco	30	30	---	30	---	---	---
109T Inhalation of or contact with fumes or gases - equipment moving	40	39	1	40	---	---	---
110T Defective locomotive seat - equipment moving	25	25	---	25	---	---	---
111T Adjusting locomotive seat - equipment moving	4	4	---	4	---	---	---
112T Foreign object in eye - equipment moving	79	79	---	79	---	---	---
119T Other accidents/incidents while operating locomotives - eqp moving	82	79	3	82	---	---	---
SUBTOTAL.....	426	409	16	425	1	---	---

TABLE 67. INJURIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1993

Occurrence	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Montres-passers	Tres-passers
OPERATING RAIL MOTORCARS						
151T Striking parts of body against equipment - equipment moving	8	6 2	8	---	---	---
159T Other accidents/incidents while operating rail motorcars - eqp mov	10	3 7	10	---	---	---
SUBTOTAL.....	18	9 9	18	---	---	---
OPERATING HAND BRAKES						
200T Manipulating hand brakes, no defects, equipment moving	9	9 ---	9	---	---	---
201T Defective equipment - equipment moving	4	4 ---	4	---	---	---
203T Striking body due to movement of equipment	9	9 ---	9	---	---	---
204T Losing hold, slipping or falling due to coupling impact	3	3 ---	3	---	---	---
205T Caught between parts of equipment or lading - equipment moving	1	1 ---	1	---	---	---
206T Brake chains or bolts, breaking or giving way - equipment moving	1	1 ---	1	---	---	---
207T Losing hold, slipping, or falling - equipment moving	10	10 ---	10	---	---	---
208T Caught hand or fingers in spinning brake wheel - equipment moving	1	1 ---	1	---	---	---
209T Other accidents/incidents while operating hand brakes - eqp moving	4	4 ---	4	---	---	---
SUBTOTAL.....	42	42 ---	42	---	---	---
OPERATING SWITCHES OR DERAILS						
304T Struck by moving on-track equipment	12	7 5	12	---	---	---
309T Other acc/inc while operating switches/derails - equipment moving	3	2 1	3	---	---	---
SUBTOTAL.....	15	9 6	15	---	---	---
CONTACTING FIXED OBJECTS WHILE ON LOCOMOTIVES OR CARS						
401T Persons on top locos/cars contacting fixed objects - equipment mov	2	2 ---	2	---	---	---
402T Persons on side/end of locos/cars contacting fixed objects - eqp mov	33	33 ---	33	---	---	---
409T Persons on loco/car coming in contact with fixed obj(other)-eqp mov	9	8 1	9	---	---	---
SUBTOTAL.....	44	43 1	44	---	---	---

TABLE 67. INJURIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1993

Occurrence	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Montres-passers	Tres-passers
GETTING ON OR OFF CARS OR LOCOMOTIVES						
501T Slip/fell due to lost/missed hold of grabiron,handhold,etc.-eqp mov	17	15	---	15	---	2
502T Slip/fell due to losing/missing footing on step,stirrup,etc.-eqp mov	35	31	1	32	2	1
503T Stepping or tripping on parts of track in place - equipment moving	12	10	---	10	---	2
504T Stepping or tripping on foreign material or irreg surface - eqp mov	53	51	1	52	1	---
505T Slipping on ice or snow on ground - equipment moving	3	2	1	3	---	---
506T Slipping on ice/snow on cars or locomotives - equipment moving	8	8	---	8	---	---
507T Falling, slipping, tripping, not elsewhere classified - eqp moving	28	18	---	18	4	1
508T Slipping/falling while boarding/alighting fm passenger eqp (moving)	9	---	---	---	7	2
510T Striking body or falling due to sudden movement of equipment	13	10	1	11	1	1
511T Strike/struck by eqp/structures(not bridge/trestle), or mat -eqp mov	8	8	---	8	---	---
513T Jumping from equipment - equipment moving	64	36	2	38	1	15
514T Defective equipment - equipment moving	4	4	---	4	---	---
519T Other acc/inc while getting on or off cars or locos - equipment mov	64	47	1	48	---	16
SUBTOTAL.....	318	240	7	247	1	44
COLLISIONS, DERAILMENTS, ETC.(\$0MG BELOW THRESHOLD)						
601T Casualty resulting fm a collision which did not satisfy \$ threshold	44	27	13	40	1	1
602T Casualty resulting fm a derailment which did not satisfy \$ threshold	21	20	1	21	---	---
603T Casualty resulting fm oth than Rail Equip A/I(not at rail-hwy X-ing)	26	10	---	10	1	9
SUBTOTAL.....	91	57	14	71	1	10
RAIL-HIGHWAY CROSSING ACCIDENTS/INCIDENTS						
609T Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp mov	1,524	37	8	45	3	207
610T Casualty at private rail-hwy X-ing (Not rptd on form 6180-54)-eqp mov	86	3	4	7	1	3
SUBTOTAL.....	1,610	40	12	52	1	210
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	160	8	---	8	---	148
702T Crossing track at private rail-highway crossing - equipment moving	8	---	1	1	1	3
703T Crossing track not at a crossing - equipment moving	25	---	---	---	---	22
704T While on public thoroughfare - equipment moving	4	---	---	---	---	1
705T On bridges or trestles - equipment moving	16	---	---	---	---	16
706T Sitting or lying on track or near track, not in clear - eqp moving	101	---	---	---	---	100
707T While working on or along track - equipment moving	9	3	1	4	---	1
708T Passing over, through, or under cars - equipment moving	38	1	---	1	---	36
709T Struck by or ran into loco/car (not at hwy x-ing), misc-eqp mov	45	5	---	5	---	38
SUBTOTAL.....	406	17	2	19	1	365

TABLE 67. INJURIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1993

Occurrence		Total Injured	...Employees On Duty...		Emp Not On Duty	Passengers	Montres-passers	Tres-passers
			Trainmen	Other	Total			
SERVICING OR MAINTENANCE OF EQUIPMENT								
802T	Crossing over, under, or between locos or cars - equipment moving	1	1	---	1	---	---	---
803T	Striking or being struck by eqp, structures, or material-eqp mov	24	1	22	23	1	---	---
815T	Moving equipment for repairs	23	---	23	23	---	---	---
825T	Other acc/inc while servicing or maintaining eqp-eqp moving	4	---	4	4	---	---	---
SUBTOTAL.....		52	2	49	51	1	---	---
MAINTENANCE OF WAY AND STRUCTURES								
853T	Striking or being struck by eqp, structures, or material-eqp mov	39	---	39	39	---	---	---
899T	Other accs/incs while maintaining way and structures - eqp moving	17	---	17	17	---	---	---
SUBTOTAL.....		56	---	56	56	---	---	---
FREIGHT, BAGGAGE, EXPRESS OR MAIL								
901T	Handling freight, baggage, express or mail-eqp moving	2	---	2	2	---	---	---
902T	Struck or caught by shifted lading-eqp moving	2	2	---	2	---	---	---
904T	Other acc/inc involving freight, baggage, express, or mail - eqp mov	1	1	---	1	---	---	---
SUBTOTAL.....		5	3	2	5	---	---	---
WINDOWS, DOORS, ETC., ON ON-TRACK EQUIPMENT								
908T	Clo/opn frt/bag car doors, exc plug type car doors, def eqp-eqp mov	2	---	1	1	---	---	1
910T	Closing or opening plug type car doors, defective equipment-eqp mov	1	1	---	1	---	---	---
912T	Closing or opening coach trap doors-equipment moving	3	1	1	2	1	---	---
913T	Interior doors-equipment moving	18	8	5	13	---	5	---
914T	Opening or closing locomotive doors-equipment moving	17	16	1	17	---	---	---
915T	Opening or closing locomotive windows-equipment moving	6	6	---	6	---	---	---
916T	Opening or closing caboose doors-equipment moving	2	2	---	2	---	---	---
918T	Opening and closing other windows-equipment moving	4	1	---	1	---	3	---
919T	Other accidents/incidents involving windows or doors-eqp mov	30	12	11	23	2	4	1
SUBTOTAL.....		83	47	19	66	3	12	2
PASSENGER CAR DOORS								
920T	Caught by side doors while entering coach-equipment moving	1	1	---	1	---	---	---
925T	Struck by side doors while exiting coach-equipment moving	1	---	---	---	---	1	---
SUBTOTAL.....		2	1	---	1	---	1	---

TABLE 67. INJURIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1993

Occurrence	Total	...Employees On Duty...		Emp Not	Passen-	Montres-	Tres-	
	Injured	Trainmen	Other	Total On Duty	gers	passers	passers	
STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED								
930T Stumbling/slipping, etc. on snow or ice - equipment moving	4	3	1	4	---	---	---	---
931T Stumbling/slipping, etc. on foreign mat./irregular surface-eqp mov	26	18	3	21	---	3	1	1
932T Stumbling/slipping, etc. on parts of track in place-equipment moving	7	7	---	7	---	---	---	---
934T Slip/fall, etc. between loco/car and other cars and struct-eqp mov	2	---	---	---	---	---	1	1
935T From bridges of trestles-equipment moving	2	---	---	---	---	---	1	1
937T Into depressions - equipment moving	2	1	1	2	---	---	---	---
938T While on locomotive or car-equipment moving	73	38	13	51	---	14	1	7
939T Other, stumbling, slipping, falling, caught, etc. - equipment moving	24	13	2	15	---	4	---	5
SUBTOTAL.....	140	80	20	100	---	21	4	15
FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.								
940T Foreign object in eye-equipment moving	40	33	5	38	1	1	---	---
941T Struck by flying of falling object (except assaults)-eqp mov	20	11	6	17	---	---	3	---
942T Electrical flash, shock, or burn-equipment moving	2	---	1	1	---	1	---	---
943T Fire or explosion of fusees or torpedoes-equipment moving	1	---	---	---	---	---	---	1
944T Other fire or explosion-equipment moving	4	4	---	4	---	---	---	---
945T Burned by hot or corrosive substances-equipment moving	10	6	4	10	---	---	---	---
946T Inhalation of or contact with fumes or gases-equipment moving	5	5	---	5	---	---	---	---
947T Electrical inj from contact with catenary, 3rd rail, etc., equipment moving	1	---	---	---	---	---	---	1
SUBTOTAL.....	83	59	16	75	1	2	3	2
OPERATION OF ON-TRACK WORK EQUIPMENT								
950T Collision with train or car	6	---	3	3	---	---	---	3
951T Collision with other on-track work equipment	18	---	18	18	---	---	---	---
952T Jumping from equipment in anticipation of a collision	9	1	7	8	---	---	1	---
953T Derailment that does not satisfy monetary threshold	10	---	10	10	---	---	---	---
954T Getting on/off on-track work equipment - equipment moving	5	---	5	5	---	---	---	---
959T Other A/I involving on-track work equipment - equipment moving	16	---	16	16	---	---	---	---
SUBTOTAL.....	64	1	59	60	---	---	1	3
ASSAULT								
96AT Shot while on moving on-track equipment	30	3	1	4	---	26	---	---
96CT Struck by other propelled object while on locomotive - equip moving	22	22	---	22	---	---	---	---
96DT Struck by other propelled object while on car - equip moving	3	3	---	3	---	---	---	---
96GT Other unprovoked assaults to persons on moving on-track equipment	17	14	3	17	---	---	---	---
96MT All other assaults involving moving on-track equipment	1	---	1	1	---	---	---	---
SUBTOTAL.....	73	42	5	47	---	26	---	---

**TABLE 67. INJURIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND
TYPE OF PERSON, 1993**

Occurrence	Total	...Employees On Duty...		Emp Not	Passen-	Nontres-	Tres-	
	Injured	Trainmen	Other	Total On Duty	gers	passers	passers	
OTHER OCCURRENCES								
970T Performing rerailling or other clearing operations-equipment moving	1	---	1	1	---	---	---	---
971T Loco or car coming against car placed for loading or unloading	1	1	---	1	---	---	---	---
972T Sudden movement of car, not otherwise classified	39	14	14	28	2	7	2	---
974T Slack action in caboose	5	5	---	5	---	---	---	---
975T Slack action, other	39	35	2	37	---	1	1	---
977T Emergency or severe application of air brakes not due to def eqp	5	4	1	5	---	---	---	---
986T Unexpected move of caboose, not slack action (include emergency & severe brking)	1	1	---	1	---	---	---	---
989T Other accidents/incidents-equipment moving	117	36	30	66	6	13	11	21
SUBTOTAL.....	208	96	48	144	8	21	14	21
GRAND TOTAL.....	3,894	1,347	349	1,696	18	114	1,394	672

NOTE: Contractor employees are included with nontrespassers

TABLE 68. ILLNESSES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1993

Occurrence	Total Illness	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Montrespassers	Trespassers
OPERATING OR ON LOCOMOTIVES						
109T Inhalation of or contact with fumes or gases - equipment moving	3	3	---	3	---	---
119T Other accidents/incidents while operating locomotives - eqp moving	10	10	---	10	---	---
SUBTOTAL.....	13	13	---	13	---	---
CONTACTING FIXED OBJECTS WHILE ON LOCOMOTIVES OR CARS						
402T Persons on side/end of locos/cars contacting fixed objects - eqp mov	1	1	---	1	---	---
SUBTOTAL.....	1	1	---	1	---	---
GETTING ON OR OFF CARS OR LOCOMOTIVES						
519T Other acc/inc while getting on or off cars or locos - equipment mov	1	1	---	1	---	---
SUBTOTAL.....	1	1	---	1	---	---
RAIL-HIGHWAY CROSSING ACCIDENTS/INCIDENTS						
609T Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp mov	10	10	---	10	---	---
SUBTOTAL.....	10	10	---	10	---	---
STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT HWY-RAIL X-INGS)						
706T Sitting or lying on track or near track, not in clear - eqp moving	1	1	---	1	---	---
SUBTOTAL.....	1	1	---	1	---	---
WINDOWS, DOORS, ETC., ON ON-TRACK EQUIPMENT						
914T Opening or closing locomotive doors-equipment moving	1	1	---	1	---	---
SUBTOTAL.....	1	1	---	1	---	---
FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.						
946T Inhalation of or contact with fumes or gases-equipment moving	5	---	---	---	5	---
949T Other A/I resulting from flying/falling objs, burns, etc. - eqp mov	1	1	---	1	---	---
SUBTOTAL.....	6	1	---	1	5	---
OTHER OCCURRENCES						
972T Sudden movement of car, not otherwise classified	2	---	2	2	---	---
975T Slack action, other	2	1	1	2	---	---
989T Other accidents/incidents-equipment moving	10	9	---	9	1	---
SUBTOTAL.....	14	10	3	13	1	---
GRAND TOTAL.....	47	38	3	41	6	---

NOTE: Contractor employees are included with nontrespassers

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TABLE 69. FATALITIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1993

Occurrence	Total Killed	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passen- gers	Montres- passers	Tres- passers
COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS						
007 Striking parts of body against equipment - equipment standing	1	1	---	1	---	---
SUBTOTAL.....	1	1	---	1	---	---
RAIL-HIGHWAY CROSSING ACCIDENTS/INCIDENTS						
609 Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp std	10	---	---	---	---	7 3
SUBTOTAL.....	10	---	---	---	---	7 3
STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT HWY-RAIL X-INGS)						
701 Standing, walking or running on or along track - equipment standing	6	---	2	2	---	2 2
703 Crossing track not at a crossing - equipment standing	1	---	---	---	---	---
708 Passing over, through, or under cars - equipment standing	1	---	---	---	---	---
709 Struck by or ran into loco/car (not at hwy x-ing), misc-eqp std	2	---	---	---	---	---
SUBTOTAL.....	10	---	2	2	---	2 6
SERVICING OR MAINTENANCE OF EQUIPMENT						
803 Striking or being struck by eqp, structures, or material-eqp std	1	---	1	1	---	---
824 Stumbling, slipping, falling, caught, not elsewhere classified	1	---	1	1	---	---
SUBTOTAL.....	2	---	2	2	---	---
MAINTENANCE OF WAY AND STRUCTURES						
853 Striking or being struck by eqp, structures, or material-eqp std	1	---	1	1	---	---
899 Other accs/incs while maintaining way and structures - eqp standing	2	---	2	2	---	---
SUBTOTAL.....	3	---	3	3	---	---
STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED						
933 Stumbling/slipping, etc. on stairways, ramps or platforms	1	---	---	---	---	1
935 From bridges or trestles	2	---	---	---	---	1 1
938 While on locomotive or car-equipment standing	1	---	---	---	---	---
939 Other, stumbling, slipping, falling, caught, etc.	2	---	---	---	---	1 1
SUBTOTAL.....	6	---	---	---	---	3 3
FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.						
947 Electrical injury due to contact with catenary, pantograph or 3rd rail	1	---	---	---	---	---
SUBTOTAL.....	1	---	---	---	---	---

TABLE 69. FATALITIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1993

Occurrence	Total Killed	...Employees On Duty...		Emp Not On Duty	Passengers	Nontrespassers	Trespassers
		Trainmen	Other				
ASSAULT							
96B Shooting incidents not involving persons on on-track equipment	1	---	1	1	---	---	---
96G All other unprovoked assaults	1	---	---	---	---	1	---
SUBTOTAL.....	2	---	1	1	---	1	---
OTHER OCCURRENCES							
978 Motor vehicle acc/inc (other than rail-highway grade crossing)	6	1	1	2	1	---	3
980 Horseplay	2	---	---	---	---	1	---
989 Other accidents/incidents	8	---	1	1	---	1	6
SUBTOTAL.....	16	1	2	3	1	2	9
GRAND TOTAL.....	51	2	10	12	1	15	22

NOTE: Contractor employees are included with nontrespassers

TABLE 70. INJURIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1993

Occurrence	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS						
002 Adjusting coupler - equipment standing	112	108	4	112	---	---
003 Crossing over, under or between on-track equipment, equipment standing	4	4	---	4	---	---
004 Adjusting coupler, part of coupler fell striking person-eqp standing	15	15	---	15	---	---
005 Use of uncoupling lever - equipment standing	42	42	---	42	---	---
007 Striking parts of body against equipment - equipment standing	22	19	3	22	---	---
008 Stumbled, slipped, fell, stepped on foreign obj/irreg surface-eqp std	70	67	3	70	---	---
009 Other acc/inc while coupling/uncoupling cars or locos - equip std	62	58	4	62	---	---
SUBTOTAL.....	327	313	14	327	---	---
COUPLING/UNCOUPLING AIR OR STEAM NOSE, SAFETY CHAINS ETC.						
051 Crossing over, under or between on-track equipment, equipment standing	1	---	---	---	---	1
052 Uncoupl air hose, struck by hose due to sudden release of air-eqp std	22	19	2	21	---	1
053 Coupling air hose, stk by hose due to sudden release of air - eqp std	19	12	7	19	---	---
054 Stumbled, slipped, fell, or stepped on foreign obj, etc., eqp standing	46	37	9	46	---	---
055 Defective equipment - equipment standing	2	1	1	2	---	---
057 Opening or closing angle cocks - equipment standing	41	36	4	40	---	1
059 Oth A/I while coupl/uncoupl air/steam hose or turn angl cock-eqp std	82	61	21	82	---	---
SUBTOTAL.....	213	166	44	210	---	3
OPERATING OR ON LOCOMOTIVES						
101 Burn or electrical shock - equipment standing	3	2	1	3	---	---
102 Striking parts of body against equipment, moving about loco-eqp std	58	47	11	58	---	---
103 Struck by tools or other objects falling - equipment standing	22	16	6	22	---	---
104 Stumbled, slipped, fell, stepped on foreign obj, etc., - eqp std	136	120	15	135	1	---
105 Checking, oiling, servicing locomotive, etc. - equipment standing	23	14	9	23	---	---
109 Inhalation of or contact with fumes or gases - equipment standing	25	25	---	25	---	---
110 Defective locomotive seat - equipment standing	17	17	---	17	---	---
111 Adjusting locomotive seat - equipment standing	28	28	---	28	---	---
112 Foreign object in eye - equipment standing	34	32	2	34	---	---
119 Other accidents/incidents while operating locomotives - eqp standing	79	73	6	79	---	---
SUBTOTAL.....	425	374	50	424	1	---
OPERATING RAIL MOTORCARS						
151 Striking parts of body against equipment - equipment standing	4	1	3	4	---	---
152 Struck by tools or other objects falling - equipment standing	2	---	2	2	---	---
153 Stumbled, slipped, fell or stepped on foreign obj, etc., - eqp std	8	3	4	7	---	1
155 Placing or removing rail motorcar on or off rail	2	---	2	2	---	---
159 Other accidents/incidents while operating rail motorcars - eqp std	3	---	3	3	---	---
SUBTOTAL.....	19	4	14	18	---	1

TABLE 70. INJURIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1993

Occurrence	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Montres-passers	Tres-passers
OPERATING HAND BRAKES						
200 Manipulating hand brakes, no defects, equipment standing	173	160	13	173	---	---
201 Defective equipment - equipment standing	19	16	3	19	---	---
202 Pawl slipping or accidentally knocked out of ratchet - eqp standing	4	4	---	4	---	---
203 Striking body not due to movement of equipment	7	5	2	7	---	---
205 Caught between parts of equipment or lading - equipment standing	2	1	1	2	---	---
206 Brake chains or bolts, breaking or giving way - equipment standing	11	9	2	11	---	---
207 Losing hold, slipping, or falling - equipment standing	34	33	1	34	---	---
208 Caught hand or fingers in spinning brake wheel - equipment standing	6	6	---	6	---	---
209 Other accidents/incidents while operating hand brakes - eqp standing	53	48	5	53	---	---
SUBTOTAL.....	309	282	27	309	---	---
OPERATING SWITCHES OR DERAILS						
301 Slipped, tripped or fell due to ice or snow	26	23	3	26	---	---
302 Slipped, tripped or fell not due to ice or snow	28	24	4	28	---	---
303 Parts of body struck or caught by mechanism of switch	40	34	6	40	---	---
305 Lining switches, defective equipment	130	121	9	130	---	---
306 Lining switches, no defects	404	362	42	404	---	---
307 Manipulating derail, no defects	24	20	4	24	---	---
308 Manipulating derail, defective equipment	4	4	---	4	---	---
309 Other acc/inc while operating switches/derails - equipment standing	98	82	16	98	---	---
SUBTOTAL.....	754	670	84	754	---	---
CONTACTING FIXED OBJECTS WHILE ON LOCOMOTIVES OR CARS						
401 Persons on top locos/cars contacting fixed objects - equipment std	1	---	1	1	---	---
402 Persons on side/end of locos/cars contacting fixed objects - eqp std	5	4	1	5	---	---
409 Persons on loco/car coming in contact with fixed obj(other)-eqp std	8	7	1	8	---	---
SUBTOTAL.....	14	11	3	14	---	---
GETTING ON OR OFF CARS OR LOCOMOTIVES						
501 Slip/fell due to lost/missed hold of grabiron,handhold,etc.-eqp std	43	29	14	43	---	---
502 Slip/fell due to losing/missing footing on step,stirrup,etc.-eqp std	116	78	24	102	13	1
503 Stepping or tripping on parts of track in place - equipment standing	30	25	4	29	1	---
504 Stepping or tripping on foreign material or irreg surface - eqp std	150	112	24	136	2	10
505 Slipping on ice or snow on ground - equipment standing	28	20	6	26	2	---
506 Slipping on ice/snow on cars or locomotives - equipment standing	19	17	1	18	1	---
507 Falling, slipping, tripping, not elsewhere classified - eqp std	76	54	14	68	1	6
508 Slipping/falling while boarding/alighting fm passenger eqp(standing)	91	7	6	13	2	73
511 Strike/struck by eqp/structures(not bridge/trestle), or mat -eqp std	26	13	5	18	8	---

TABLE 70. INJURIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1993

Occurrence	Total	...Employees On Duty...		Emp Not	Passen-	Nontres-	Tres-	
	Injured	Trainmen	Other	Total On Duty	gers	passers	passers	
GETTING ON OR OFF CARS OR LOCOMOTIVES (cont.)								
512 Striking or being struck by bridges or trestles - equipment standing	2	2	---	2	---	---	---	
513 Jumping from equipment - equipment standing	11	3	5	8	2	1	---	
514 Defective equipment - equipment standing	13	11	1	12	1	---	---	
519 Other acc/inc while getting on or off cars or locos - equipment std	191	135	44	179	3	6	2	
SUBTOTAL.....	796	506	148	654	12	120	9	
RAIL-HIGHWAY CROSSING ACCIDENTS/INCIDENTS								
609 Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp std	39	---	---	---	---	---	34	
SUBTOTAL.....	39	---	---	---	---	---	34	
STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT HWY-RAIL X-INGS)								
701 Standing, walking or running on or along track - equipment standing	6	3	---	3	---	---	2	
708 Passing over, through, or under cars - equipment standing	2	---	---	---	---	---	---	
709 Struck by or ran into loco/car (not at hwy x-ing), misc-eqp std	8	1	4	5	---	---	2	
SUBTOTAL.....	16	4	4	8	---	---	4	
SERVICING OR MAINTENANCE OF EQUIPMENT								
802 Crossing over, under, or between locos or cars - equipment standing	14	2	12	14	---	---	---	
803 Striking or being struck by eqp, structures, or material-eqp std	223	3	212	215	3	---	5	
804 Use of hand tools	305	3	298	301	1	---	3	
805 Use of portable power tools	69	---	69	69	---	---	---	
806 Use of welding equipment	43	---	43	43	---	---	---	
807 Use of oxygen-acetylene, natural gas cutting equipment	47	---	47	47	---	---	---	
808 Use of grinding equipment	28	---	28	28	---	---	---	
809 Use of scaffolds, ladders, etc.	28	---	28	28	---	---	---	
81A Lifting parts to install while making repairs	110	4	106	110	---	---	---	
810 Use of cranes, hoists, derricks, piledrivers, etc.	59	---	58	58	---	---	1	
811 Use of lift trucks and other portable material handling eqp	54	---	53	53	---	---	1	
812 Use of shop machinery not elsewhere classified	35	1	34	35	---	---	---	
813 Loading and unloading materials	103	3	100	103	---	---	---	
814 Handling material by hand	312	10	301	311	---	---	1	
816 Inhalation of or contact with fumes or gases	36	1	35	36	---	---	---	
817 Foreign object in eye, using eye protection	147	10	135	145	2	---	---	
818 Foreign object in eye, not using eye protection	43	6	35	41	2	---	---	
819 Struck by flying or falling object	140	2	134	136	1	---	3	
820 Electrical flash, shock, or burn	24	---	24	24	---	---	---	
821 Fire or explosion of fusees or torpedoes	1	---	1	1	---	---	---	
822 Other fire or explosion	3	---	3	3	---	---	---	
823 Burned or irritated by hot, corrosive, or toxic substances	51	3	47	50	---	---	1	
824 Stumbling, slipping, falling, caught, not elsewhere classified	430	10	407	417	12	---	1	
825 Other acc/inc while servicing or maintaining eqp-eqp std	547	16	527	543	1	---	3	
SUBTOTAL.....	2,852	74	2,737	2,811	22	---	19	

TABLE 70. INJURIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1993

Occurrence	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passen- gers	Montres- passers	Tres- passers
MAINTENANCE OF WAY AND STRUCTURES						
852 Crossing over, under, or between locos or cars-eqp std	3	1 2	3	---	---	---
853 Striking or being struck by eqp, structures, or material-eqp std	202	5 192	197	1	---	4
854 Use of hand tools	478	3 471	474	1	---	3
855 Use of portable power tools	138	---	136	---	---	2
856 Use of welding equipment	40	1 39	40	---	---	---
857 Use of oxygen-acytelene, natural gas cutting equipment	9	---	9	---	---	---
858 Use of grinding equipment	40	---	40	---	---	---
859 Use of scaffolds, ladders, etc.	32	---	28	---	---	4
860 Use of cranes, hoists, derricks, piledrivers, etc.	53	---	50	---	---	3
861 Use of lift trucks and other portable material handling eqp	39	---	38	---	---	1
862 Use of shop machinery not elsewhere classified	15	1 14	15	---	---	---
863 Loading and unloading materials	295	2 293	295	---	---	---
864 Handling material by hand	452	6 442	448	1	---	3
866 Inhalation of or contact with fumes or gases	3	---	3	---	---	---
867 Foreign object in eye, using eye protection	70	---	69	1	---	---
868 Foreign object in eye, not using eye protection	33	2 30	32	---	---	1
869 Struck by flying of falling object	177	1 169	170	1	---	6
870 Electrical flash, shock, or burn	27	---	27	---	---	---
872 Other fire or explosion	6	---	5	1	---	---
873 Burned or irritated by hot, corrosive or toxic substances	19	1 16	17	1	---	1
874 Stumbling, slipping, falling, caught, not elsewhere classified	493	2 476	478	14	---	1
875 Use of maintenance of way equipment not elsewhere classified	73	1 71	72	---	---	1
876 Inserting or removing ties, switch timbers and tie plates by use of hand tools	116	1 115	116	---	---	---
877 Insert/remove ties, switch timbers and tie plates using portable power tools	14	---	14	---	---	---
878 Loading/unloading ties, switch timbers, tie plates and fastenings	78	---	77	---	---	1
879 Handling rail by use of power tools	15	---	15	---	---	---
880 Handling rail by use of hand tools	41	---	41	---	---	---
890 Handling/inserting/removing rail anchors (includes being struck by anchors)	56	---	56	---	---	---
891 Handling/inserting/removing track spikes (includes being struck by flying spike)	214	1 212	213	---	---	1
892 Working on or about sgnl or comm. poles, sgnl masts,sgnl cantilevers or catenary	68	---	68	---	---	---
893 Servicing or repairing MOW equipment at work site	102	---	102	---	---	---
899 Other accs/incs while maintaining way and structures - eqp standing	293	3 285	288	4	---	1
SUBTOTAL.....	3,694	31 3,605	3,636	25	---	33
FREIGHT, BAGGAGE, EXPRESS OR MAIL						
901 Handling freight, baggage, express or mail	53	18 32	50	1	---	2
902 Struck or caught by shifted lading	4	---	4	---	---	---
903 Tripping over, or struck by falling baggage in passenger car-eqp std	2	1 1	2	---	---	---
904 Other accident/incident involving freight, baggage, express, or mail	34	7 24	31	---	---	3
SUBTOTAL.....	93	26 61	87	1	---	5

TABLE 70. INJURIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1993

Occurrence	Total	...Employees On Duty...		Emp Not	Passen-	Nonres-	Tres-		
	Injured	Trainmen	Other	Total	gers	passers	passers		
WINDOWS, DOORS, ETC., ON ON-TRACK EQUIPMENT									
907	Opening/closing hopper or gondola hatches, end or bottom doors, eqp standing	26	3	22	25	---	---	1	---
908	Clo/opn frt/bag car doors, exc plug type car doors, def eqp-eqp std	15	2	13	15	---	---	---	---
909	Clo/opn frt/bag car doors, exc plug type car doors, no def-eqp std	26	5	17	22	---	---	4	---
910	Closing or opening plug type car doors, defective equipment-eqp std	7	---	7	7	---	---	---	---
911	Closing or opening plug type car doors, no defects-equipment std	16	2	13	15	---	---	---	1
912	Closing or opening coach trap doors-equipment standing	13	10	2	12	---	1	---	---
913	Interior doors-equipment standing	23	10	10	20	---	3	---	---
914	Opening or closing locomotive doors-equipment standing	66	55	11	66	---	---	---	---
915	Opening or closing locomotive windows-equipment standing	15	15	---	15	---	---	---	---
916	Opening or closing caboose doors-equipment standing	2	2	---	2	---	---	---	---
917	Opening or closing caboose windows-equipment standing	1	1	---	1	---	---	---	---
918	Opening and closing other windows	1	---	1	1	---	---	---	---
919	Other accidents/incidents involving windows or doors	90	36	43	79	1	6	4	---
	SUBTOTAL.....	301	141	139	280	1	10	9	1
PASSENGER CAR DOORS									
920	Caught by side doors while entering coach-equipment standing	6	---	---	---	---	6	---	---
921	Caught by side doors while exiting coach-equipment standing	2	---	---	---	---	2	---	---
924	Struck by side doors while entering coach-equipment standing	9	1	1	2	---	7	---	---
926	Striking side door while entering coach-equipment standing	1	---	1	1	---	---	---	---
927	Striking side door while exiting coach-equipment standing	1	---	---	---	---	1	---	---
	SUBTOTAL.....	19	1	2	3	---	16	---	---
STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED									
930	Stumbling/slipping, etc. on snow or ice	402	180	134	314	57	2	29	---
931	Stumbling/slipping, etc. on foreign material or irregular surface	540	293	174	467	34	9	30	---
932	Stumbling/slipping, etc. on parts of track in place	179	81	82	163	1	1	11	3
933	Stumbling/slipping, etc. on stairways, ramps or platforms	386	47	134	181	27	36	142	---
934	Slip/fall, etc. between loco/car and other cars and struct-eqp std	43	13	7	20	---	23	---	---
935	From bridges or trestles	20	4	5	9	1	---	3	7
936	From structures other than bridges or trestles	26	4	13	17	---	---	8	1
937	Into depressions	82	44	34	78	1	1	2	---
938	While on locomotive or car-equipment standing	66	24	20	44	1	8	12	1
939	Other, stumbling, slipping, falling, caught, etc.	228	69	91	160	14	12	38	4
	SUBTOTAL.....	1,972	759	694	1,453	136	92	275	16

TABLE 70. INJURIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1993

Occurrence	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passen- gers	Montres- passers	Tres- passers
FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.						
940 Foreign object in eye	101	60 29	89	7	5	---
941 Struck by flying of falling object (except assaults)	95	21 45	66	3 6	20	---
942 Electrical flash, shock, or burn	11	2 6	8	1	2	---
943 Fire or explosion of fuses or torpedoes	1	1 ---	1	---	---	---
944 Other fire or explosion	12	4 7	11	---	1	---
945 Burned by hot or corrosive substances	23	6 9	15	2 2	4	---
946 Inhalation of or contact with fumes or gases	98	41 46	87	2	9	---
947 Electrical injury due to contact with catenary, pantograph or 3rd rail	4	---	---	---	---	4
949 Other acc/inc resulting from flying/falling objs, burns, etc.	32	8 16	24	2 1	5	---
SUBTOTAL.....	377	143 158	301	17 9	46	4
OPERATION OF ON-TRACK WORK EQUIPMENT						
954 Getting on/off on-track work equipment - equipment standing	30	---	30	30	---	---
959 Other A/I involving on-track work equipment - equipment standing	31	3 28	31	---	---	---
SUBTOTAL.....	61	3 58	61	---	---	---
ASSAULT						
96B Shooting incidents not involving persons on on-track equipment	1	---	1	1	---	---
96C Struck by other propelled object while on locomotive - equip standing	4	3 1	4	---	---	---
96D Struck by other propelled object while on car - equip standing	1	1 ---	1	---	---	---
96E Struck by other propelled object while on caboose - equip standing	1	1 ---	1	---	---	---
96F Struck by other propelled object, not on on-track equipment	3	2 1	3	---	---	---
96G All other unprovoked assaults	63	18 24	42	6 2	12	1
96L Other assaults connected with the protection of RR property - eqp standing	28	---	27	1	---	---
96M All other assaults not involving moving on-track equipment	34	10 22	32	---	2	---
96N Injuries sustained by ther perpetrator of an assault	6	1 4	5	---	1	---
SUBTOTAL.....	141	36 80	116	7 2	15	1
OTHER OCCURRENCES						
970 Performing rerailling or other clearing operations	21	1 20	21	---	---	---
978 Motor vehicle acc/inc (other than rail-highway grade crossing)	438	114 262	376	18	38	6
979 Servicing and maintenance of highway vehicles	10	---	9	---	1	---
980 Horseplay	14	---	9	1 2	2	---
981 Animal bites, including snake bites	16	8 8	16	---	---	---
982 Insect bites	135	40 79	119	12 1	3	---
983 Incidents occurring in office setting involving clerical, staff, etc., personnel	316	10 292	302	9	5	---
984 Contact with poisonous plants	8	---	8	---	---	---
985 Stepping on nails or other sharp objects	41	18 22	40	---	---	1
987 Caboose fire, equipment standing	2	1 ---	1	---	1	---
988 Other accidents/incidents while in caboose, equipment standing	2	2 ---	2	---	---	---
989 Other accidents/incidents	773	173 353	526	48 28	161	10
SUBTOTAL.....	1,776	367 1,062	1,429	88 31	211	17
GRAND TOTAL.....	14,198	3,911 8,984	12,895	310 280	664	49

NOTE: Contractor employees are included with nontrespassers

TABLE 71. ILLNESSES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1993

Occurrence	Total Illness	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS						
009 Other acc/inc while coupling/uncoupling cars or locos - equip std	4	3	1	4	---	---
SUBTOTAL.....	4	3	1	4	---	---
COUPLING/UNCOUPLING AIR OR STEAM HOSE, SAFETY CHAINS ETC.						
054 Stumbled,slipped,fell, or stepped on foreign obj, etc., eqp standing	1	1	---	1	---	---
055 Defective equipment - equipment standing	1	1	---	1	---	---
059 Oth A/I while coupl/uncoupl air/steam hose or turn angl cock-eqp std	1	1	---	1	---	---
SUBTOTAL.....	3	3	---	3	---	---
OPERATING OR ON LOCOMOTIVES						
104 Stumbled, slipped, fell, stepped on foreign obj, etc., - eqp std	1	1	---	1	---	---
109 Inhalation of or contact with fumes or gases - equipment standing	4	4	---	4	---	---
119 Other accidents/incidents while operating locomotives - eqp standing	3	3	---	3	---	---
SUBTOTAL.....	8	8	---	8	---	---
OPERATING HAND BRAKES						
200 Manipulating hand brakes, no defects, equipment standing	2	2	---	2	---	---
SUBTOTAL.....	2	2	---	2	---	---
OPERATING SWITCHES OR DERAILS						
306 Lining switches, no defects	1	1	---	1	---	---
SUBTOTAL.....	1	1	---	1	---	---
GETTING ON OR OFF CARS OR LOCOMOTIVES						
503 Stepping or tripping on parts of track in place - equipment standing	1	---	1	1	---	---
504 Stepping or tripping on foreign material or irreg surface - eqp std	1	1	---	1	---	---
519 Other acc/inc while getting on or off cars or locos - equipment std	1	1	---	1	---	---
SUBTOTAL.....	3	2	1	3	---	---

TABLE 71. ILLNESSES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1993

Occurrence	Total Illness	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passengers	Montres-passers	Trespassers
SERVICING OR MAINTENANCE OF EQUIPMENT								
804 Use of hand tools	14	---	14	14	---	---	---	---
805 Use of portable power tools	6	---	6	6	---	---	---	---
806 Use of welding equipment	5	---	5	5	---	---	---	---
807 Use of oxygen-acetylene, natural gas cutting equipment	1	---	1	1	---	---	---	---
812 Use of shop machinery not elsewhere classified	1	---	1	1	---	---	---	---
814 Handling material by hand	6	1	5	6	---	---	---	---
816 Inhalation of or contact with fumes or gases	2	1	1	2	---	---	---	---
822 Other fire or explosion	1	---	1	1	---	---	---	---
823 Burned or irritated by hot, corrosive, or toxic substances	2	---	2	2	---	---	---	---
825 Other acc/inc while servicing or maintaining eqp-eqp std	25	---	25	25	---	---	---	---
SUBTOTAL.....	63	2	61	63	---	---	---	---
MAINTENANCE OF WAY AND STRUCTURES								
854 Use of hand tools	9	---	9	9	---	---	---	---
855 Use of portable power tools	3	---	3	3	---	---	---	---
856 Use of welding equipment	7	---	7	7	---	---	---	---
857 Use of oxygen-acetylene, natural gas cutting equipment	1	---	1	1	---	---	---	---
858 Use of grinding equipment	2	---	2	2	---	---	---	---
861 Use of lift trucks and other portable material handling eqp	1	---	1	1	---	---	---	---
863 Loading and unloading materials	1	---	1	1	---	---	---	---
864 Handling material by hand	7	---	7	7	---	---	---	---
866 Inhalation of or contact with fumes or gases	5	---	5	5	---	---	---	---
874 Stumbling, slipping, falling, caught, not elsewhere classified	1	---	1	1	---	---	---	---
875 Use of maintenance of way equipment not elsewhere classified	7	---	7	7	---	---	---	---
876 Inserting or removing ties, switch timbers and tie plates by use of hand tools	1	---	1	1	---	---	---	---
877 Insert/remove ties, switch timbers and tie plates using portable power tools	1	---	1	1	---	---	---	---
880 Handling rail by use of hand tools	3	---	3	3	---	---	---	---
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)	5	---	5	5	---	---	---	---
892 Working on or about sgnl or comm. poles, sgnl masts,sgnl cantilevers or catenary	2	---	2	2	---	---	---	---
893 Servicing or repairing MOW equipment at work site	2	---	2	2	---	---	---	---
899 Other accs/incs while maintaining way and structures - eqp standing	28	---	28	28	---	---	---	---
SUBTOTAL.....	87	---	87	87	---	---	---	---
FREIGHT, BAGGAGE, EXPRESS OR MAIL								
904 Other accident/incident involving freight, baggage, express, or mail	1	1	---	1	---	---	---	---
SUBTOTAL.....	1	1	---	1	---	---	---	---
WINDOWS, DOORS, ETC., ON ON-TRACK EQUIPMENT								
909 Clo/opn frt/bag car doors, exc plug type car doors, no def-eqp std	1	---	1	1	---	---	---	---
919 Other accidents/incidents involving windows or doors	1	1	---	1	---	---	---	---
SUBTOTAL.....	2	1	1	2	---	---	---	---

TABLE 71. ILLNESSES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1993

Occurrence	Total Illness	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED						
931 Stumbling/slipping, etc. on foreign material or irregular surface	1	---	---	---	1	---
933 Stumbling/slipping, etc. on stairways, ramps or platforms	1	---	1	---	---	---
939 Other, stumbling, slipping, falling, caught, etc.	2	1	1	---	---	---
SUBTOTAL.....	4	1	2	3	---	1
FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.						
946 Inhalation of or contact with fumes or gases	13	3	10	13	---	---
SUBTOTAL.....	13	3	10	13	---	---
ASSAULT						
96G All other unprovoked assaults	1	1	---	1	---	---
SUBTOTAL.....	1	1	---	1	---	---
OTHER OCCURRENCES						
978 Motor vehicle acc/inc (other than rail-highway grade crossing)	1	1	---	1	---	---
981 Animal bites, including snake bites	2	---	2	2	---	---
982 Insect bites	5	---	5	5	---	---
983 Incidents occurring in office setting involving clerical, staff, etc., personnel	88	1	86	87	1	---
984 Contact with poisonous plants	25	4	21	25	---	---
987 Caboose fire, equipment standing	1	1	---	1	---	---
989 Other accidents/incidents	182	92	89	181	---	1
SUBTOTAL.....	304	99	203	302	1	1
GRAND TOTAL.....	496	127	366	493	1	2

NOTE: Contractor employees are included with nontrespassers

APPENDIX A
REPORTABILITY
REQUIREMENTS
AND
DEFINITIONS

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REPORTABILITY REQUIREMENTS

The rules governing the monthly reporting of railroad accidents/incidents in effect at the end of 1993 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 impression seal) _____
[L.S] _____
(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
TOTAL TRAIN ACCIDENTS	TOTAL FRA FORMS 6180-55A	TOTAL FRA FORMS 6180-54	TOTAL FRA FORMS 6180-57

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 <div style="text-align: right;">Amtrak Autotrain</div>		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				
HAZARDOUS MATERIALS (number of)				
8. CARS CARRYING	9. CARS DAMAGED OR DERAILED	10. CARS WHICH RELEASED HAZ. MAT.	11. PEOPLE EVACUATED (est.)	
LOCATION				
12. DIVISION	13. NEAREST STATION	14. MILEPOST (to nearest tenth)	15. STATE (two letter code)	
ENVIRONMENTAL CONDITIONS				
16. TEMPERATURE (specify if minus) °F	17. VISIBILITY (single entry) 1. Dawn 3. Dusk 2. Day 4. Dark	18. WEATHER (single entry) 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow	CODE	
OPERATIONAL DATA				
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) MPH Est. Recorded	21. TRAIN NUMBER	22. TIME TABLE DIRECTION 1. North 2. South 3. East 4. West		CODE
EQUIPMENT				
23. TRAILING TONS (gross tonnage, excluding power units)	24. TYPE OF EQUIPMENT CONSIST (single entry) 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)		CODE	25. WAS THE EQUIPMENT IDENTIFIED IN ITEM 24 UNATTENDED? 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 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)	e. Head End	b. Manual c. Remote	d. Manual e. Remote	32. CARS (no. of)
(1) Total in Train				(1) Total in Equipment Consist
(2) Total Derailed				(2) Total Derailed
PROPERTY DAMAGE (estimated cost, including labor, to repair or replace)				
33. EQUIPMENT DAMAGE (to be reported for this equipment consist only)		\$	34. TRACK, SIGNAL, WAY AND STRUCTURES DAMAGE (to be reported by railroad in item 3 only)	
ACCIDENT/INCIDENT CAUSE CODE				
35. PRIMARY CAUSE	CODE	36. CONTRIBUTING CAUSE	CODE	37. If no code available, explain cause.
CASUALTIES				
38. NUMBER OF PERSONS INJURED		39. ESTIMATED TOTAL DAYS DISABILITY		40. NUMBER OF FATALITIES
CREW (no. of) HOURS ON DUTY				
41. ENGINEERS	42. FIREMEN	43. CONDUCTORS	44. BRAKEMEN	45. ENGINEER
				Hrs: Mins:
				46. CONDUCTOR
				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

12. TYPE 1. Auto 3. Truck-Trailer 6. Motorcycle 2. Truck 4. Bus 7. Pedestrian 5. School Bus 8. Other (specify)		CODE	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
13. SPEED (estimated mph at impact)	14. DIRECTION (geographical) 1. North 3. East 2. South 4. West	CODE	17. POSITION OF CAR/UNIT IN TRAIN		CODE
15. POSITION 1. Stalled on crossing 2. Stopped on crossing 3. Moving over crossing	CODE	18. CIRCUMSTANCE 1. Train struck highway user 2. Train struck by highway user		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

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 5. Yard/Switching 2. Passenger 4. Work 6. Light Locomotive(s)	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) MPH Est 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	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. _____

B-7

CORPORATE NAME AND MAILING ADDRESS OF REPORTING RAILROAD →

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

FORM FRA F6180-45 (7-76)
PREVIOUS EDITIONS ARE OBSOLETE.

This report is required by regulation (49 CFR 225). Failure to report can result in the imposition of civil penalties.

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)	TERMINATIONS 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	OCCUPATIONAL INJURIES								
2	OCCUPATIONAL ILLNESSES	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		TOTAL OCCUPATIONAL ILLNESSES (Add Lines 2 through 8)							
10	TOTAL OCCUPATIONAL INJURIES AND ILLNESSES (Add Lines 1 and 9)								

VII. COMMENTS: _____

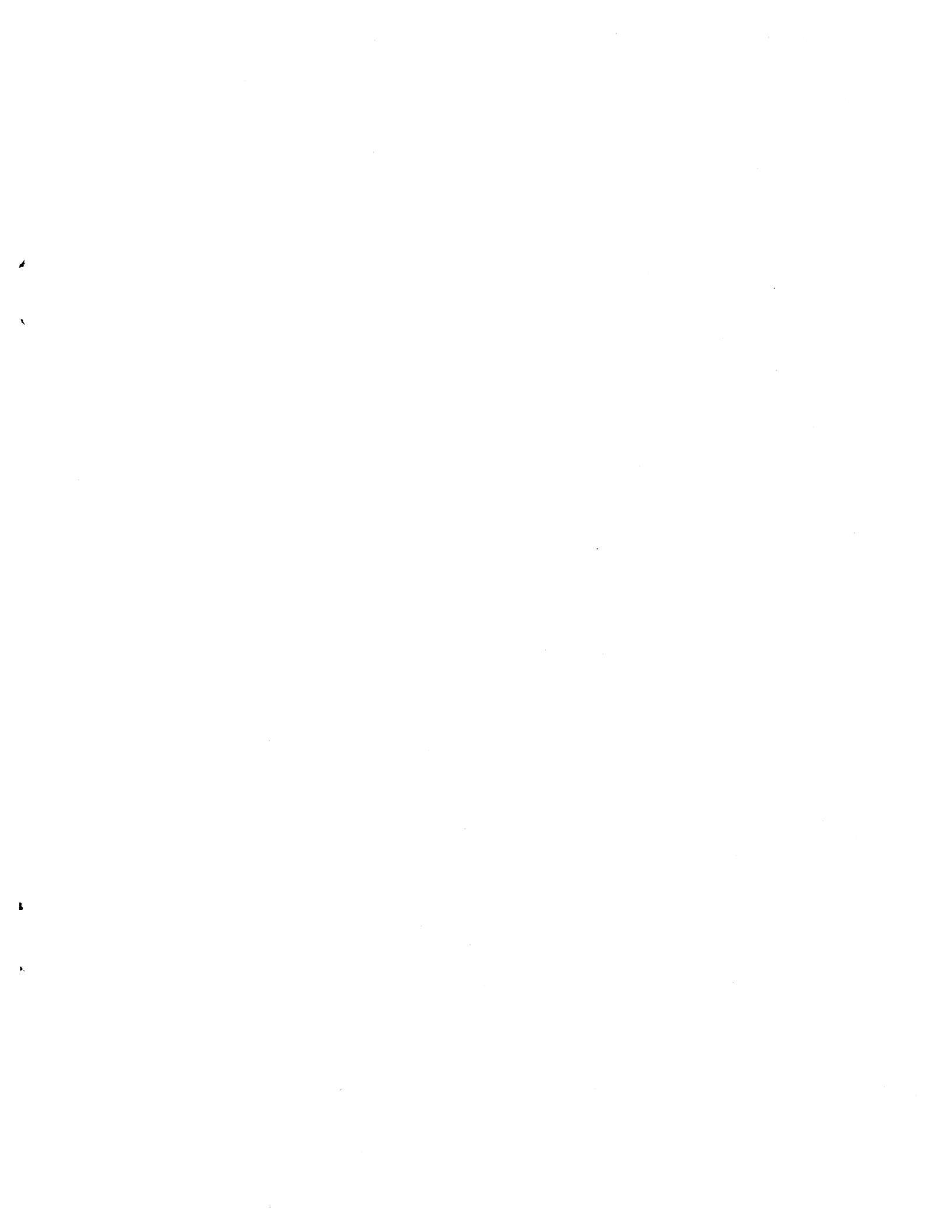
Report prepared by: _____ Area Code and Phone: _____
 Title: _____ Date: _____

ANNUAL RAILROAD REPORT
OF
MANHOURS BY STATE

1. REPORTING RAILROAD			ALPHABETIC CODE		2. REPORT YEAR	
3. ANNUAL MANHOURS						
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**

400 Seventh St., S.W.
Washington, D.C. 20591

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