



U.S. Department of
Transportation

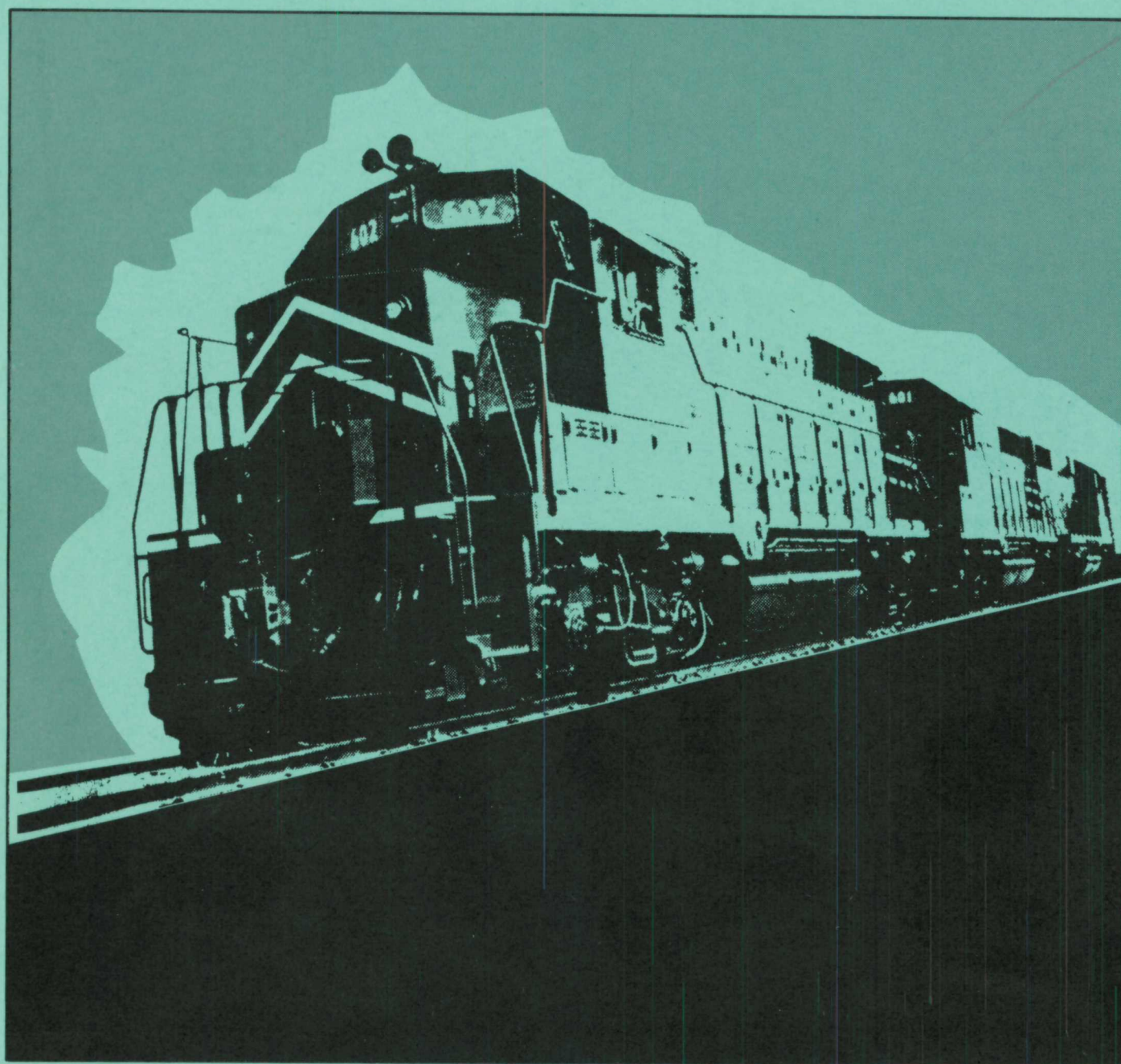
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Office of Safety

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NOTICE

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INTRODUCTION

Railroads are required to file monthly accident/incident reports with the Federal Railroad Administration's (FRA) Office of Safety in accordance with 49 CFR 225.

Bulletin 160 summarizes reportable accidents/incidents that occurred in the United States during 1991.

The reporting threshold that determines which accidents must be reported is adjusted to reflect the effect of inflation on damage costs. Between 1957 and 1974, any train accident exceeding \$750 in damages to railroad on-track equipment, signals, track or track structures, and roadbed had to be reported. Since the reporting threshold remained the same during this period, the rise in damage costs due to inflation contributed to an increasing number of reported accidents. In 1975, the FRA implemented new rules for reporting railroad accidents. The reporting threshold was raised to \$1,750; and the threshold was adjusted every 2 years to reflect inflationary changes. The reporting threshold in 1990 was \$5,700.

While this revision improved the comparability of the data, comparisons are valid only for those years when the threshold was adjusted. Generally, the number of reported accidents is higher in a year following an adjustment. Biennial adjustments not only make year-to-year statistical comparisons difficult, but also impose an unnecessary reporting burden to the railroads. To get a clearer picture of annual trends, it is necessary to adjust the second year of a threshold. This was done by limiting the count of accidents in 1986 to those over \$5,050, in 1988 to those over \$5,452, and in 1990 to those over \$6,000. For all other years, the actual number of accidents is reported.

To better assess the impact of increases or decreases in accidents/incidents, it is useful to know the number of hours worked (man-hours) and the revenue ton-miles. Therefore, the 1991 Accident/Incident Bulletin gives data for train accidents and train incidents by billions of revenue ton-miles, and data for non-train incidents by 200,000 man-hours.

Most accidents that occur at highway-rail crossings between the highway user and on-track equipment do not qualify as reportable train accidents. In 1991, 156 highway-rail crossing accidents qualified as reportable train accidents. These accidents are also tabulated in the Highway-Rail Accident/Incident and Inventory Bulletin. This year another category was created in the section "Historical Trends, Last 6 Years" to isolate train accidents that are the result of highway-rail crossing collisions. The totals for accidents and incidents have not changed with this new category.

The heading "Nonfatal Casualties" indicates that both injuries and occupational illnesses are included. In all other cases, nonfatal illnesses are shown separately.

Information about casualties and accidents at rail-highway crossings are shown in this Bulletin. However, detailed information is available in the Rail-Highway Crossing Accident/Incident and Inventory Bulletin published annually by the FRA Office of Safety.

EMPLOYEE INJURIES

In order to gain a better understanding of the significance of certain statistics involving employee injuries, it is important that the reader be familiar with the basic reporting rules in this area. There are three main principles associated with the reporting of employee injuries. These are:

- 1) Any event or activity that causes an employee physical harm while in the work-environment is considered to be work-related. This means that an injury may occur in a derailment or it may be associated with routine activity, such as, the throwing of switches.
- 2) All employees, regardless of occupation or location of work assignment are covered by the rules. This includes every employee; from members of train crews and maintenance workers, to employees who work in office environments.
- 3) The physical harm sustained by an employee does not need to be major in nature, but there are certain consequences that must occur in order for an injury to be reportable. These are:
 - i) treatment beyond first aid was required (21% in 1991);
 - ii) the injury caused the employee to be absent from work for at least one day (70% in 1991);
 - iii) the injury caused the employee to be restricted in the performance of his work (9% in 1991).

An example of the types of injuries reported can be found in this year's bulletin. In 1991, 51% of all injuries were sprains and strains, 16% were bruises and contusions, and 11% were cuts and lacerations. These injuries accounted for 78% of the total. Approximately 27% of these injuries were minor in nature and only required simple medical treatment, after which the employee was able to return to work the same day.

All eye injuries are potentially serious since they involve an extremely sensitive part of the body. Dust or other foreign particle in the eye accounted for 5% of the total employee injuries. In 50% of these eye injuries, the employee was treated and returned to work without any restriction. Serious injuries such as amputations and fractures accounted for .3% and 6.4%, respectively, of all injuries reported in 1991.

There is a common perception that most employee injuries occur in connection with the movement of on-track equipment. Approximately 84%, however, involve other circumstances. There were 15,906 employees hurt in 1991 in incidents where moving on-track equipment was not a factor. The majority of these injuries occurred while the employee was performing maintenance work. Employees in maintenance of way and maintenance of equipment occupational categories sustained 60% of the injuries that did not involve moving on-track equipment.

The severity of an injury can be measured to some extent by whether or not the injury caused the employee to miss one or more days of work, resulted in restriction while at work, or only required medical treatment. The length of time that an injury prevented the employee from performing his normally assigned duties is an additional indicator of seriousness. The following two tables provide insights concerning the severity of injuries to employees.

EMPLOYEE INJURIES BY TYPE INJURY

Injury	Total Cases	Absent From Work.....|				Restricted Duty		
		Cases	-----Number of Days Off -----|				Duty	Other
		1-5	6-10	11-15	>= 16			
INJURIES ASSOCIATED WITH TRAIN MOVEMENTS								
Bruise/contusion, unspecified	671	540	158	57	52	273	44	87
Sprain/strain, unspecified	1,416	1,210	238	139	102	731	79	127
Cut/abrasion, unspecified	255	157	46	29	15	67	12	86
Puncture wound, unspecified	16	10	4	3	2	1	0	6
Electric shock/burn, unspecified	1	1	0	0	0	1	0	0
Other burn, unspecified	21	14	2	1	4	7	0	7
Dislocation, unspecified	17	16	1	1	0	14	1	0
Fracture, unspecified	193	167	13	13	6	135	11	15
Dental related	6	1	0	1	0	0	0	5
Amputation, unspecified	18	18	0	0	0	18	0	0
Object in eye	225	130	107	13	6	4	8	87
Hernia	3	3	0	0	0	3	0	0
Concussion	13	13	0	0	0	13	0	0
Nervous shock	13	11	6	0	1	4	2	0
Internal injury	6	6	2	1	0	3	0	0
Skin reaction, unspecified	10	6	5	0	0	1	2	2
Unspecified injury	173	129	55	25	7	42	12	32
Subtotal	3,057	2,432	637	283	195	1,317	171	454
INJURIES RESULTING FROM OTHER EVENTS								
Bruise/contusion, unspecified	2,433	1,711	566	222	130	793	259	463
Sprain/strain, unspecified	8,299	6,566	1,542	791	463	3,770	781	952
Cut/abrasion, unspecified	1,764	627	260	96	49	222	170	967
Puncture wound, unspecified	277	118	54	19	13	32	19	140
Electric shock/burn, unspecified	94	75	32	7	7	29	3	16
Other burn, unspecified	198	102	57	14	7	24	15	81
Dislocation, unspecified	81	57	7	4	5	41	16	8
Fracture, unspecified	1,030	717	83	52	49	533	161	152
Dental related	73	13	8	2	2	1	0	60
Amputation, unspecified	25	22	4	3	1	14	1	2
Object in eye	730	276	232	26	7	11	62	392
Hernia	117	108	3	7	8	90	3	6
Concussion	27	23	4	3	2	14	0	4
Nervous shock	9	6	2	1	0	3	1	2
Internal injury	27	23	8	2	1	12	1	3
Skin reaction, unspecified	87	28	18	5	4	1	3	56
Unspecified injury	635	403	161	36	22	184	41	191
Subtotal	15,906	10,875	3,041	1,290	770	5,774	1,536	3,495
FINAL TOTALS	18,963	13,307	3,678	1,573	965	7,091	1,707	3,949

Note: The majority of cases appearing in the "Other" category are injuries that only required medical treatment.

EMPLOYEE INJURIES BY JOB

Job*	Total Cases	Absent From Work.....				Restricted Duty	Other	
		Cases	-----Number of Days Off -----					
			1-5	6-10	11-15	>= 16		
INJURIES ASSOCIATED WITH TRAIN MOVEMENTS								
1	2	2	0	0	0	2	0	0
2	15	9	3	1	1	4	0	6
3	238	162	44	13	8	97	23	53
4	124	80	19	10	7	44	20	24
5	113	84	12	12	5	55	2	27
6	2,565	2,095	559	247	174	1,115	126	344
Sub	3,057	2,432	637	283	195	1,317	171	454
INJURIES RESULTING FROM OTHER EVENTS								
1	40	19	9	3	1	6	2	19
2	906	609	218	77	57	257	67	230
3	5,196	3,090	895	365	234	1,596	631	1,475
4	4,428	2,787	829	323	176	1,459	545	1,096
5	408	289	66	31	16	176	20	99
6	4,928	4,081	1,024	491	286	2,280	271	576
Sub	15,906	10,875	3,041	1,290	770	5,774	1,536	3,495
Total	18,963	13,307	3,678	1,573	965	7,091	1,707	3,949

- * 1 = Executives, officials, and staff assistants
- 2 = Professional and administrative
- 3 = Maintenance of way and structures
- 4 = Maintenance of equipment and stores
- 5 = Transportation, other than train and engine
- 6 = Transportation, train and engine

1. HISTORICAL TRENDS, LAST 6 YEARS

OPERATIONS

TABLE 1. RAILROAD OPERATIONAL PROFILE

YEAR	EMPLOYEE HOURS	MOTOR TRAIN MILES	YARD SWITCHING MILES	LOCOMOTIVE TRAIN MILES	TOTAL TRAIN MILES
1986	644,351	34,015	108,258	424,825	567,099
1987	618,992	34,077	101,955	445,282	581,314
1988	608,086	34,877	105,325	469,132	609,334
1989	578,410	32,542	104,330	483,727	620,599
1990	553,603	33,227	98,151	477,459	608,837
1991	530,661	28,112	88,519	460,204	576,835

Note: All figures are shown in thousands

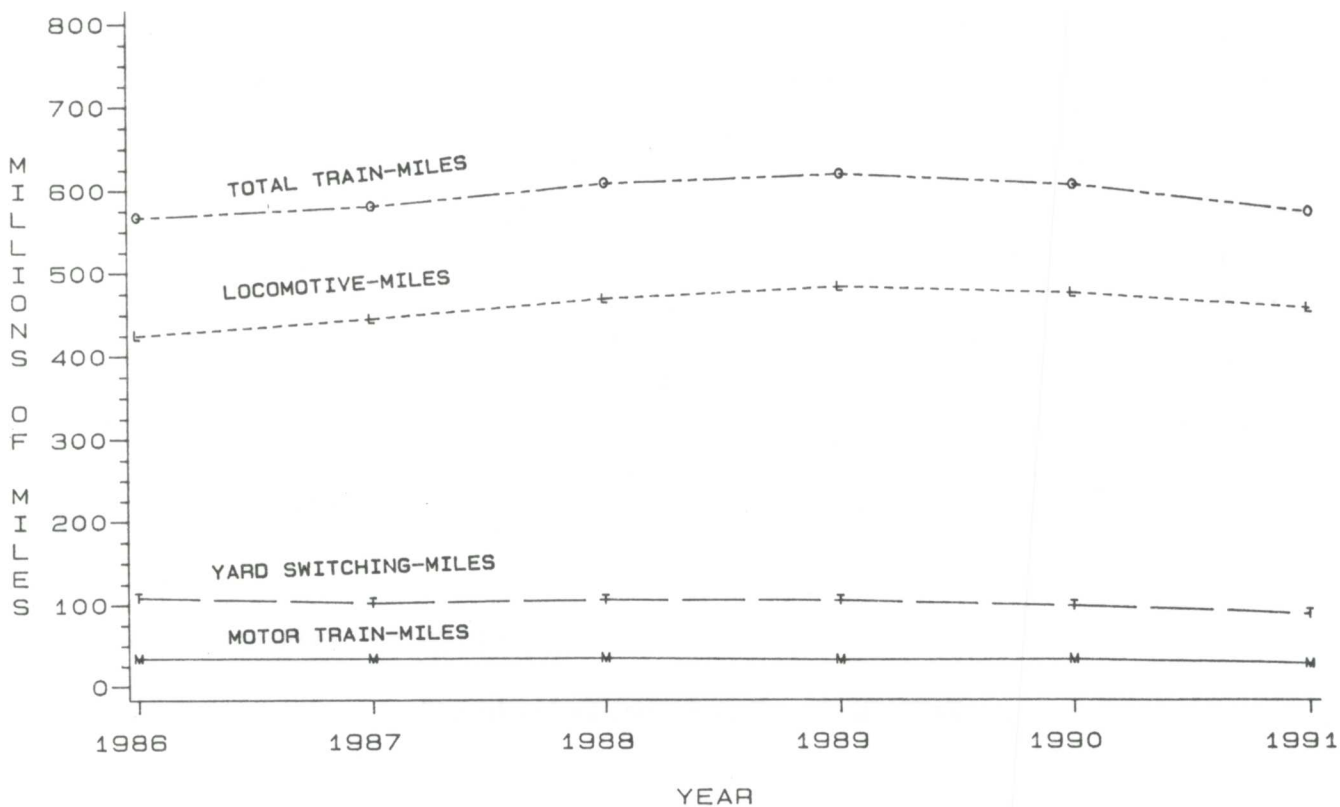
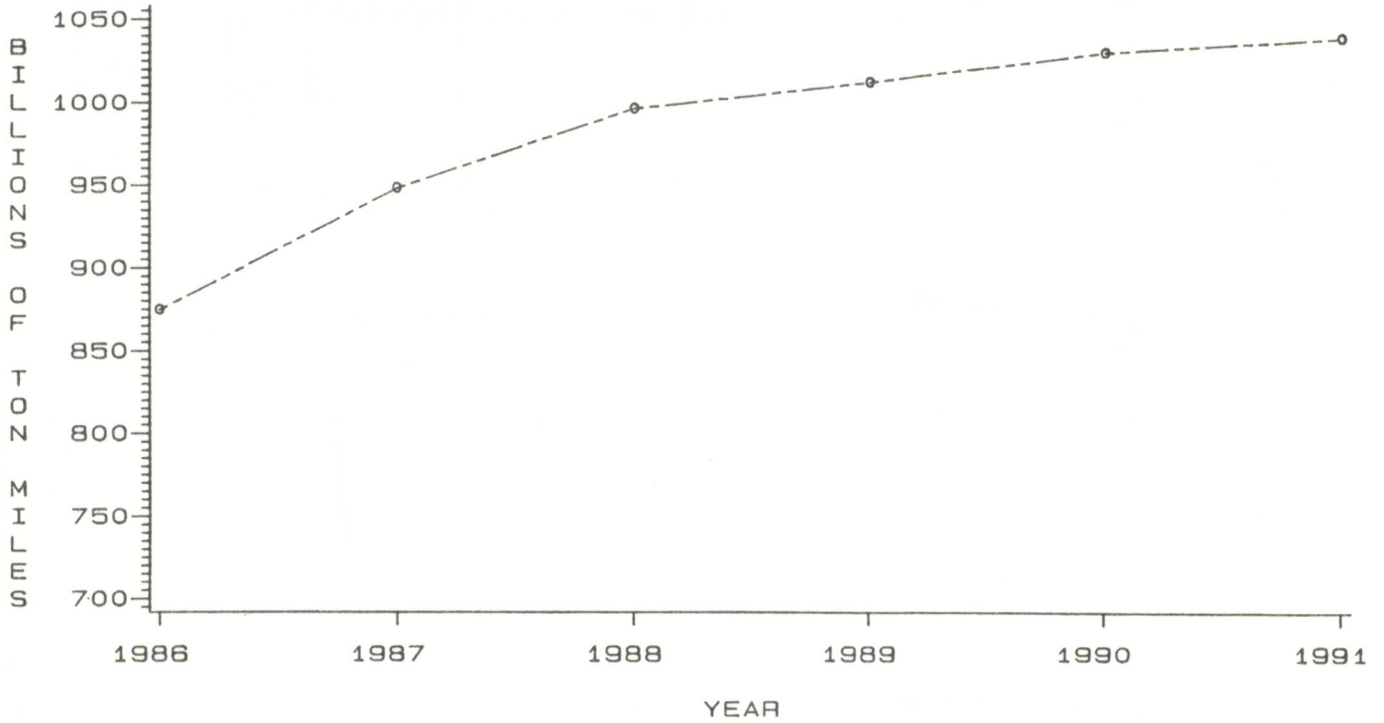


FIGURE 1. RAILROAD TRAIN-MILES

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

1986	874.6
1987	948.0
1988	996.2
1989	1,012.3
1990	1,042.6
1991	1,039.8

1991 figures are preliminary



SOURCE: ASSOCIATION OF AMERICAN RAILROADS

FIGURE 2. REVENUE TON-MILES

TRAIN ACCIDENTS

TABLE 3. TRAIN ACCIDENT CAUSES

YEAR	HUMAN FACTORS	MECHANICAL & ELECTRICAL FAILURES	TRACK DEFECTS	RAIL-HIGHWAY CROSSING IMPACTS	OTHER	TOTAL TRAIN ACCIDENTS
1986	816	433	1,016	141	355	2,761
1987	856	430	938	135	288	2,647
1988	1,031	512	952	197	359	3,051
1989	982	501	1,019	182	396	3,080
1990	1,095	425	988	166	371	3,045
1991	887	415	968	156	388	2,814

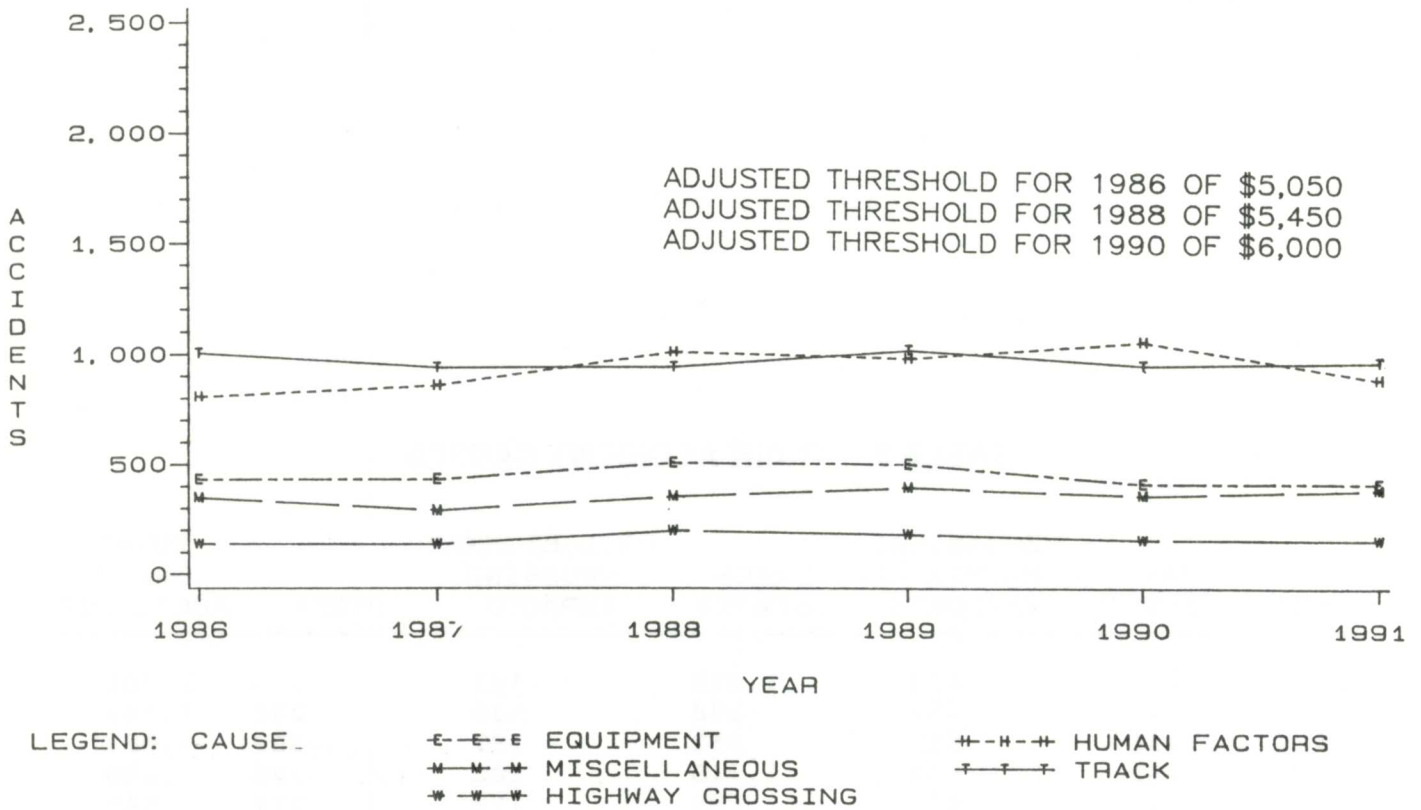


FIGURE 3A. ACCIDENT CAUSES - ADJUSTED

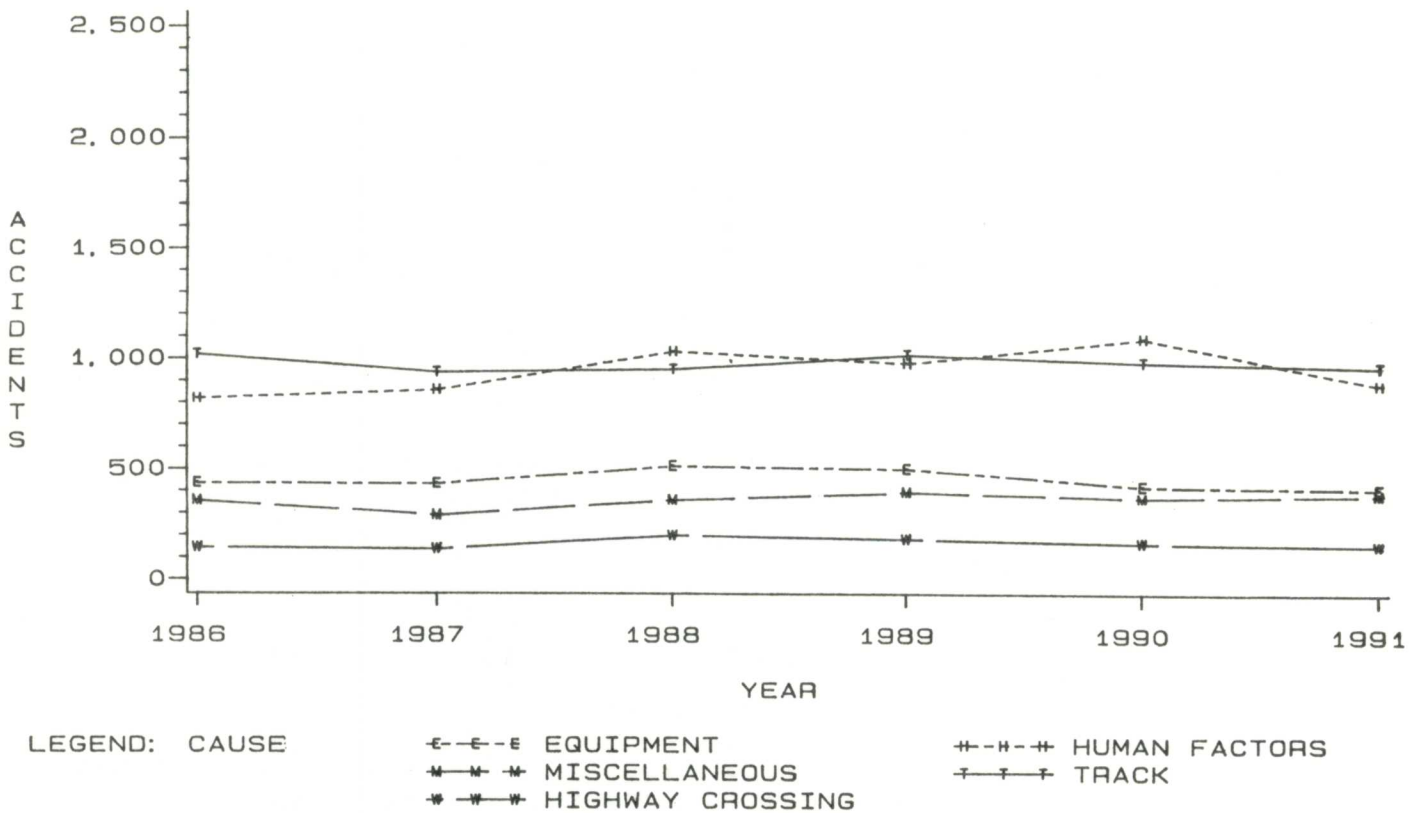


FIGURE 3B. ACCIDENT CAUSES - UNADJUSTED

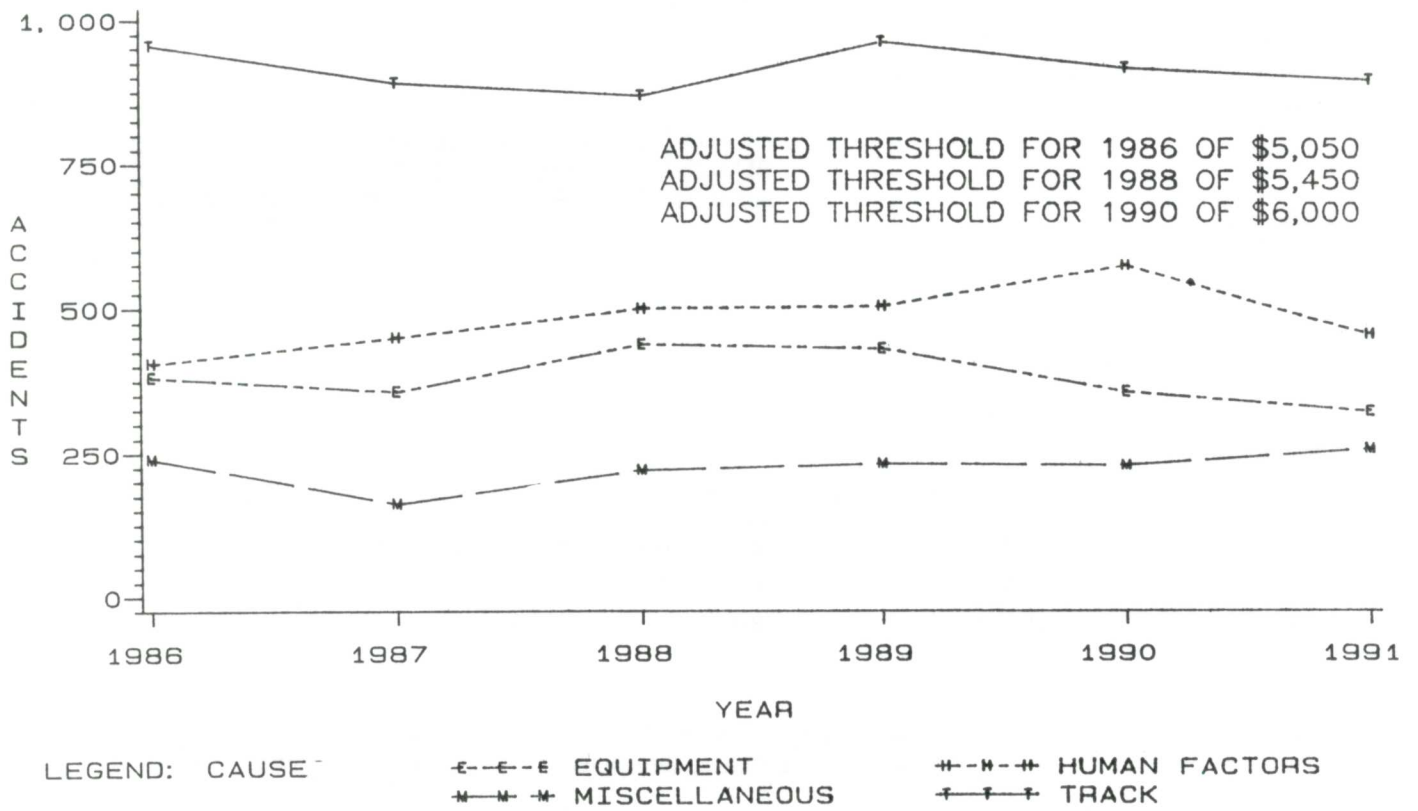


FIGURE 4A. DERAILMENT CAUSES - ADJUSTED

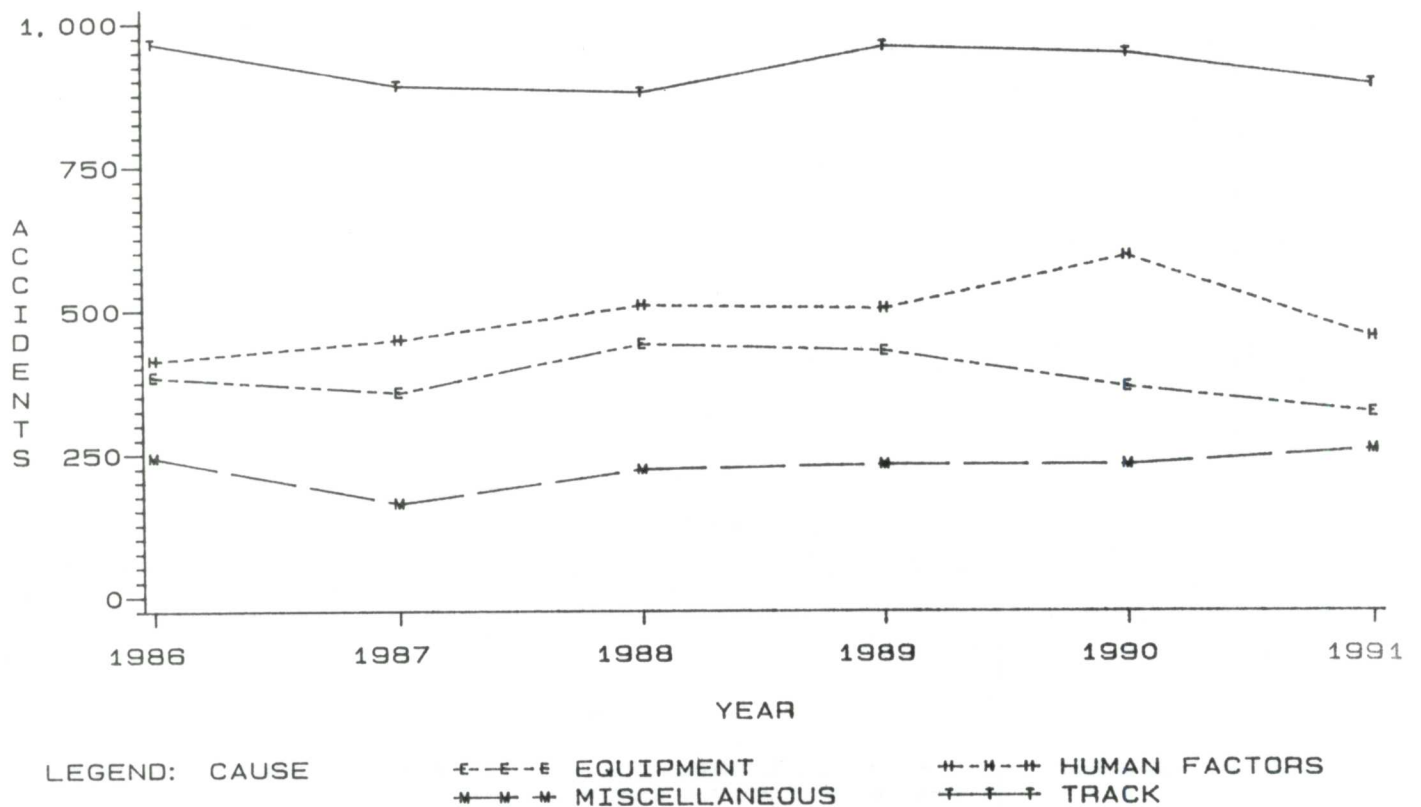


FIGURE 4B. DERAILMENT CAUSES - UNADJUSTED

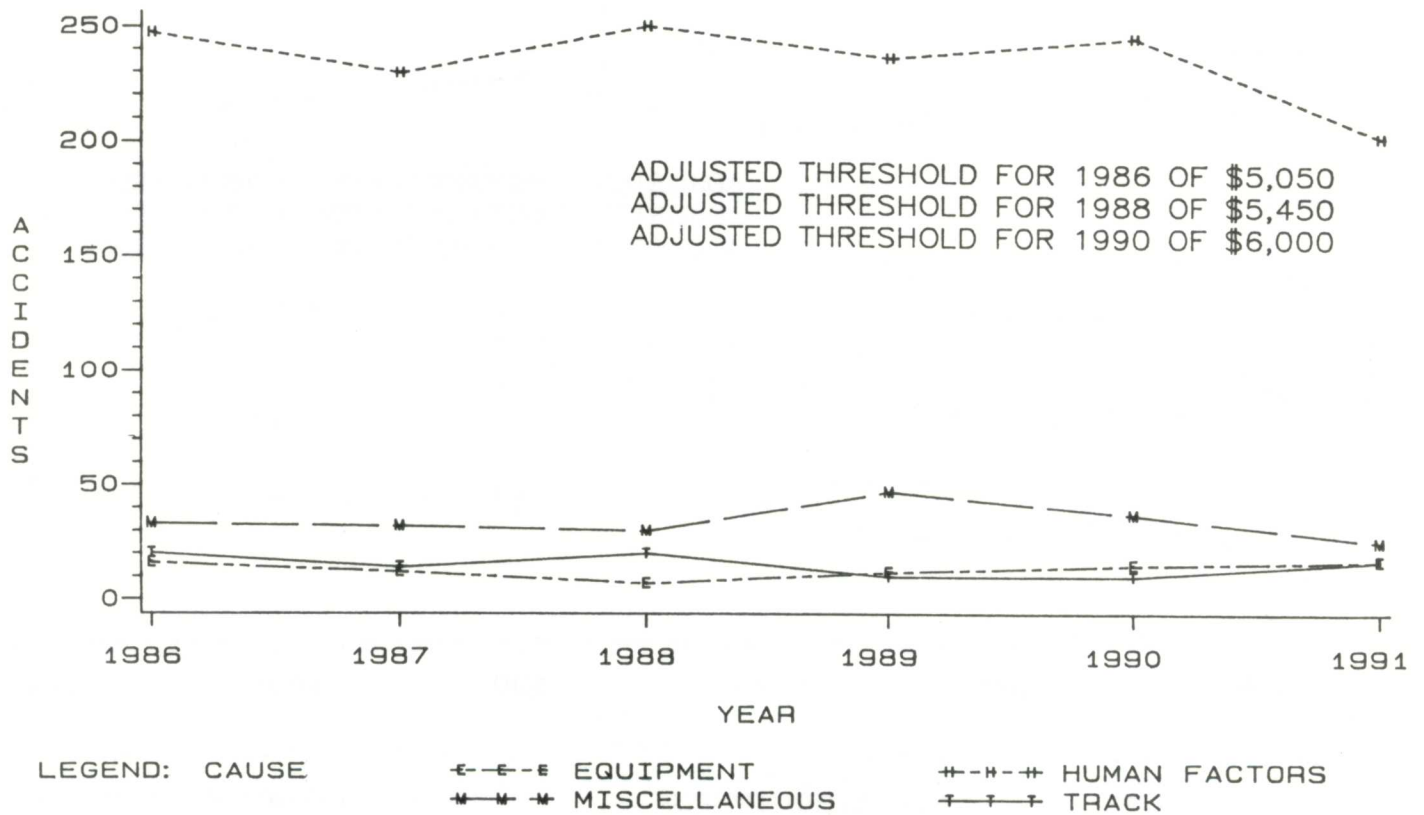


FIGURE 5A. COLLISION CAUSES - ADJUSTED

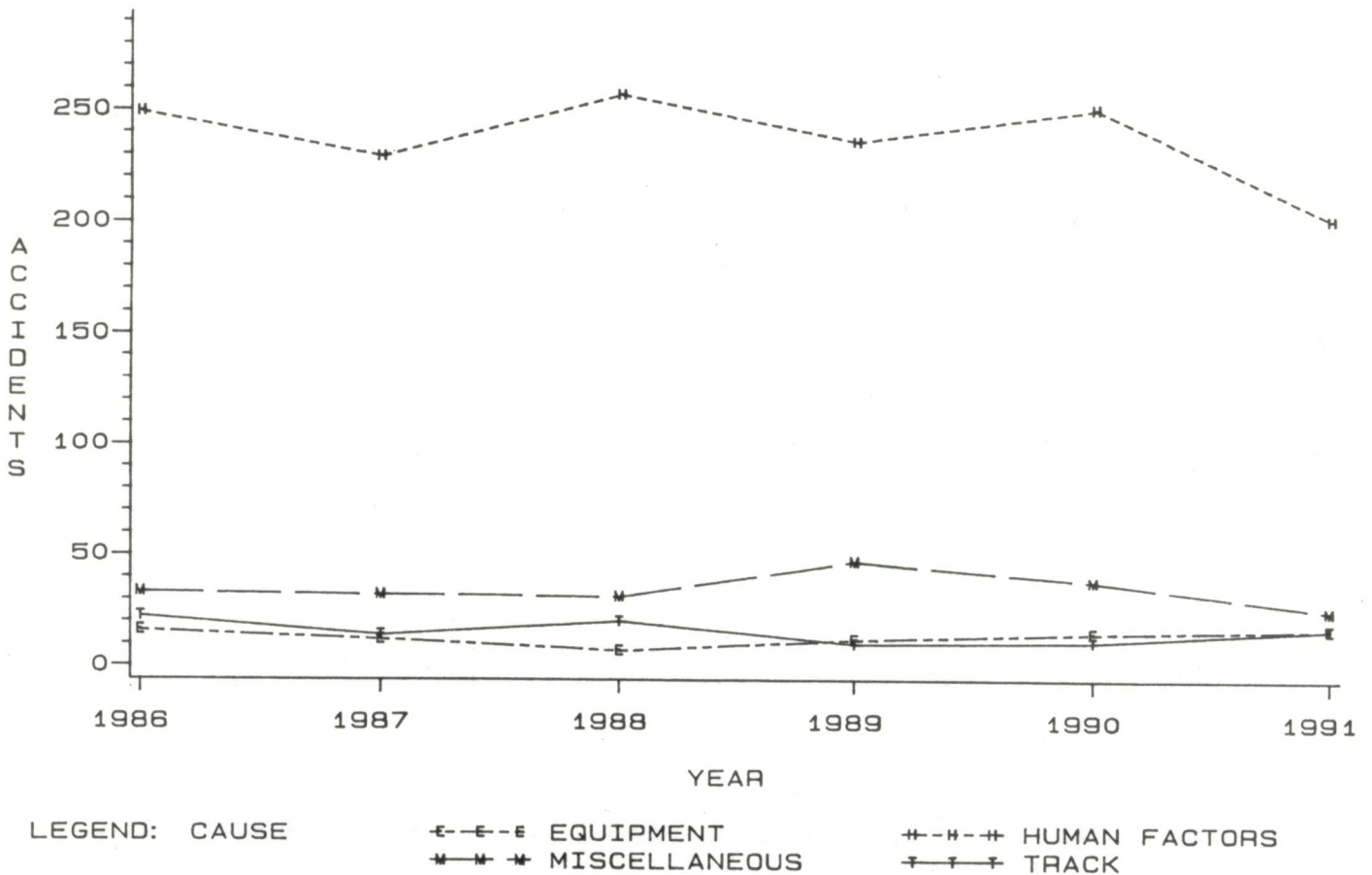


FIGURE 5B. COLLISION CAUSES - UNADJUSTED

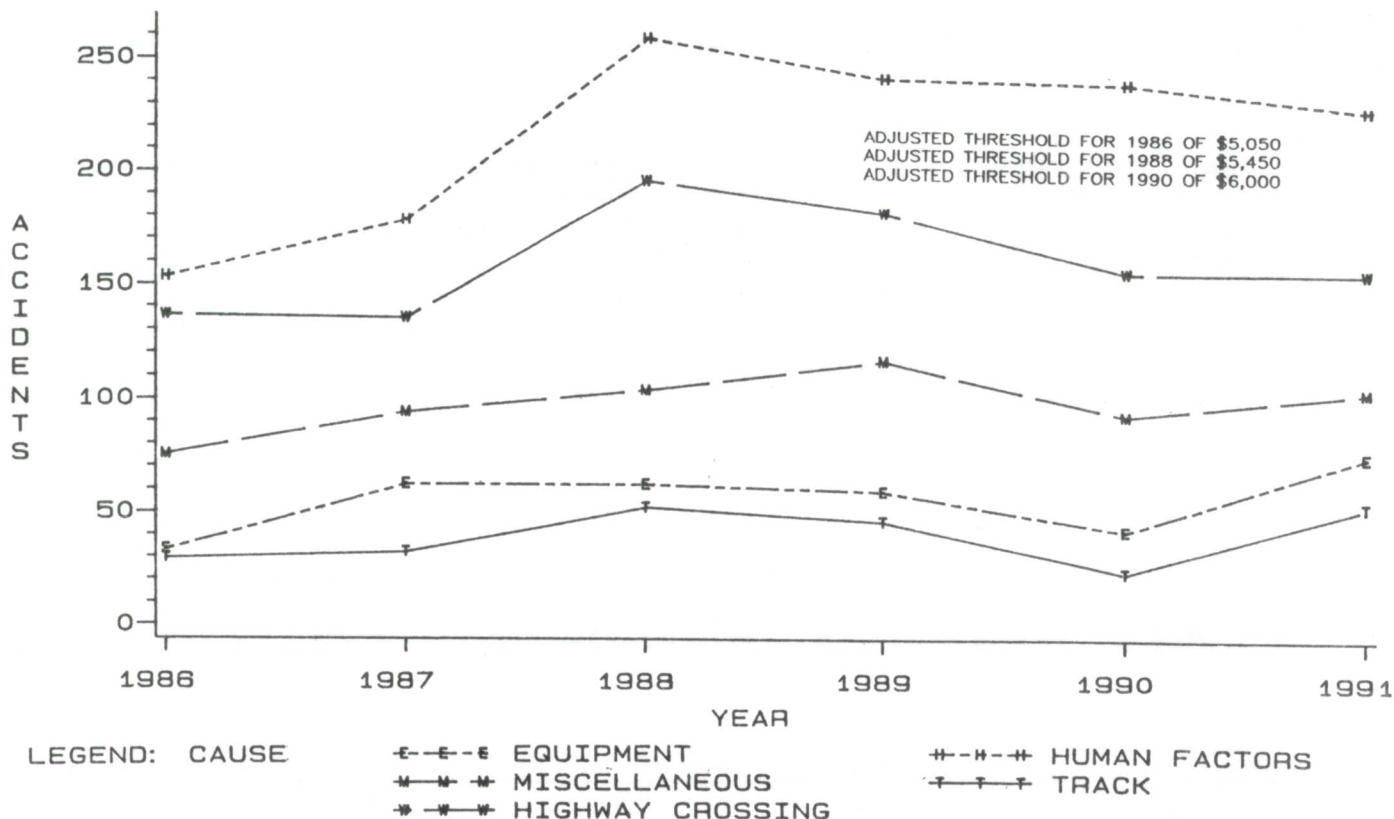


FIGURE 6A. CAUSES OF ACCIDENTS OTHER THAN COLLISIONS AND DERAILMENTS - ADJUSTED



FIGURE 6B. CAUSES OF ACCIDENTS OTHER THAN COLLISIONS AND DERAILMENTS - UNADJUSTED

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
1986	2,761	167,549,306	60,684	295,450	4.87
1987	2,647	177,185,352	66,938	304,802	4.55
1988	3,051	191,110,633	62,639	313,638	5.01
1989	3,080	212,047,308	68,847	341,682	4.96
1990	3,045	211,790,873	69,554	347,861	5.00
1991	2,814	222,936,995	79,224	386,483	4.88

TABLE 5. TRAIN ACCIDENTS AND REPORTABLE DAMAGES BY TYPE

YEAR	TOTAL ACCIDENTS	TOTAL \$ DAMAGE	AVERAGE \$ DAMAGE	DAMAGE/MILL. TRAIN MILES	ACCIDENTS/ MILLION TRAIN MILES
COLLISIONS					
1986	320	14,945,554	46,705	26,354	0.56
1987	287	29,001,769	101,051	49,890	0.49
1988	315	23,245,428	73,795	38,149	0.52
1989	305	22,794,904	74,737	36,730	0.49
1990	315	27,809,604	88,284	45,677	0.52
1991	261	37,921,672	145,294	65,741	0.45
DERAILMENTS					
1986	2,006	135,903,081	67,748	239,646	3.54
1987	1,859	125,683,151	67,608	216,205	3.20
1988	2,054	139,410,287	67,873	228,791	3.37
1989	2,129	152,735,826	71,741	246,110	3.43
1990	2,146	159,314,565	74,238	261,670	3.52
1991	1,936	153,089,957	79,075	265,396	3.36
HIGHWAY-RAIL IMPACTS					
1986	141	7,220,262	51,208	12,732	0.25
1987	135	9,787,985	72,504	16,838	0.23
1988	197	11,541,231	58,585	18,941	0.32
1989	182	21,853,749	120,076	35,214	0.29
1990	166	13,078,256	78,785	21,481	0.27
1991	156	13,275,120	85,097	23,014	0.27
OTHER					
1986	294	9,480,409	32,246	16,717	0.52
1987	366	12,712,447	34,733	21,868	0.63
1988	485	16,913,687	34,874	27,758	0.80
1989	464	14,662,829	31,601	23,627	0.75
1990	418	11,588,448	27,724	19,034	0.69
1991	461	18,650,246	40,456	32,332	0.80

TABLE 6. TRAIN ACCIDENTS AND REPORTABLE DAMAGE BY CAUSE

<u>YEAR</u>	<u>TOTAL ACCIDENTS</u>	<u>TOTAL \$ DAMAGE</u>	<u>AVERAGE \$ DAMAGE</u>	<u>DAMAGE/MILL. TRAIN MILES</u>	<u>ACCIDENTS/MILLION TRAIN MILES</u>
HUMAN FACTORS					
1986	816	36,994,772	45,337	65,235	1.44
1987	856	53,381,979	62,362	91,830	1.47
1988	1,031	52,946,735	51,355	86,893	1.69
1989	982	63,358,368	64,520	102,092	1.58
1990	1,095	60,126,052	54,910	98,756	1.80
1991	887	70,813,850	79,835	122,763	1.54
EQUIPMENT FAILURES					
1986	433	42,162,233	97,372	74,347	0.76
1987	430	38,129,194	88,673	65,591	0.74
1988	512	46,491,145	90,803	76,298	0.84
1989	501	43,355,891	86,539	69,861	0.81
1990	425	43,625,552	102,648	71,654	0.70
1991	415	48,136,068	115,991	83,449	0.72
TRACK DEFECTS					
1986	1,016	48,459,373	47,696	85,451	1.79
1987	938	60,162,651	64,139	103,494	1.61
1988	952	58,291,881	61,231	95,665	1.56
1989	1,019	57,624,951	56,550	92,854	1.64
1990	988	58,058,297	58,763	95,359	1.62
1991	968	59,956,163	61,938	103,940	1.68
HIGHWAY-RAIL IMPACTS					
1986	141	7,220,262	51,208	12,732	0.25
1987	135	9,787,985	72,504	16,838	0.23
1988	197	11,541,231	58,585	18,941	0.32
1989	182	21,853,749	120,076	35,214	0.29
1990	166	13,078,256	78,785	21,481	0.27
1991	156	13,275,120	85,097	23,014	0.27
OTHER ACCIDENTS					
1986	355	32,712,666	92,148	57,684	0.63
1987	288	15,723,543	54,596	27,048	0.50
1988	359	21,839,641	60,835	35,842	0.59
1989	396	25,854,349	65,289	41,660	0.64
1990	371	36,902,716	99,468	60,612	0.61
1991	388	30,755,794	79,268	53,318	0.67

TRAIN ACCIDENTS, TRAIN INCIDENTS AND NON-TRAIN INCIDENTS

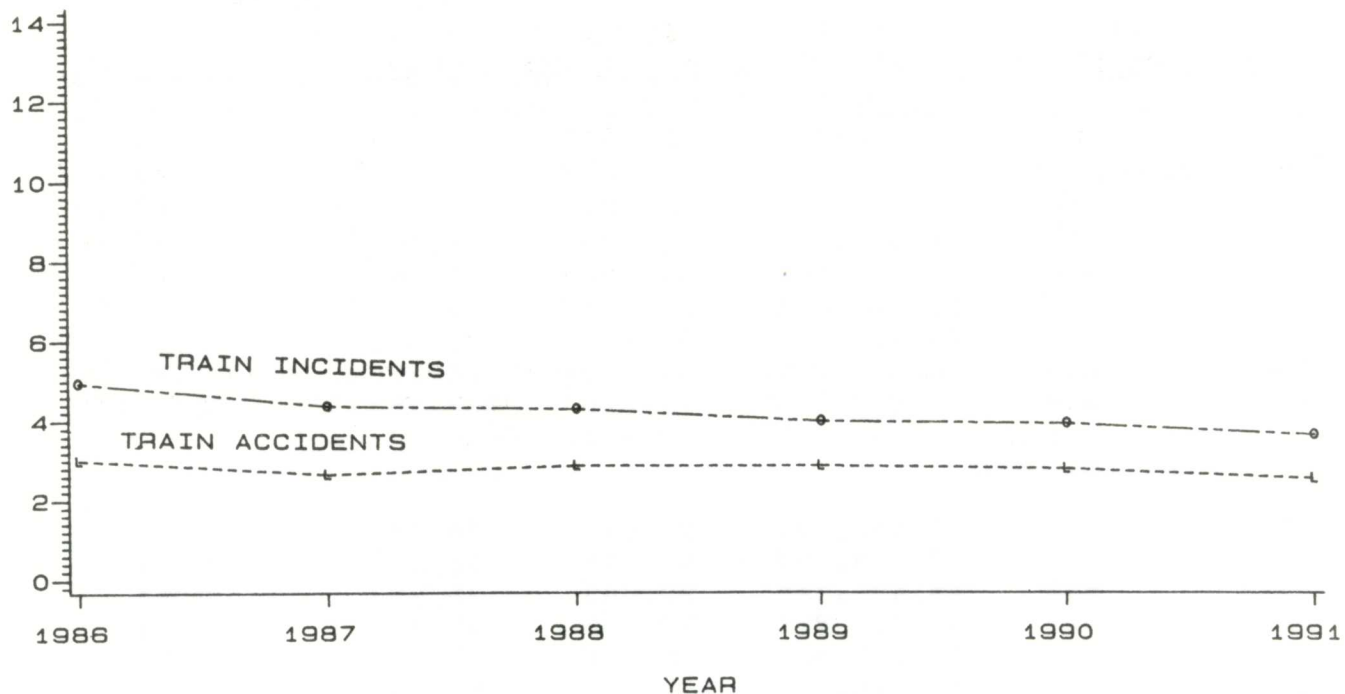


FIGURE 7. TOTAL TRAIN ACCIDENTS AND TRAIN INCIDENTS PER BILLION REVENUE TON-MILES

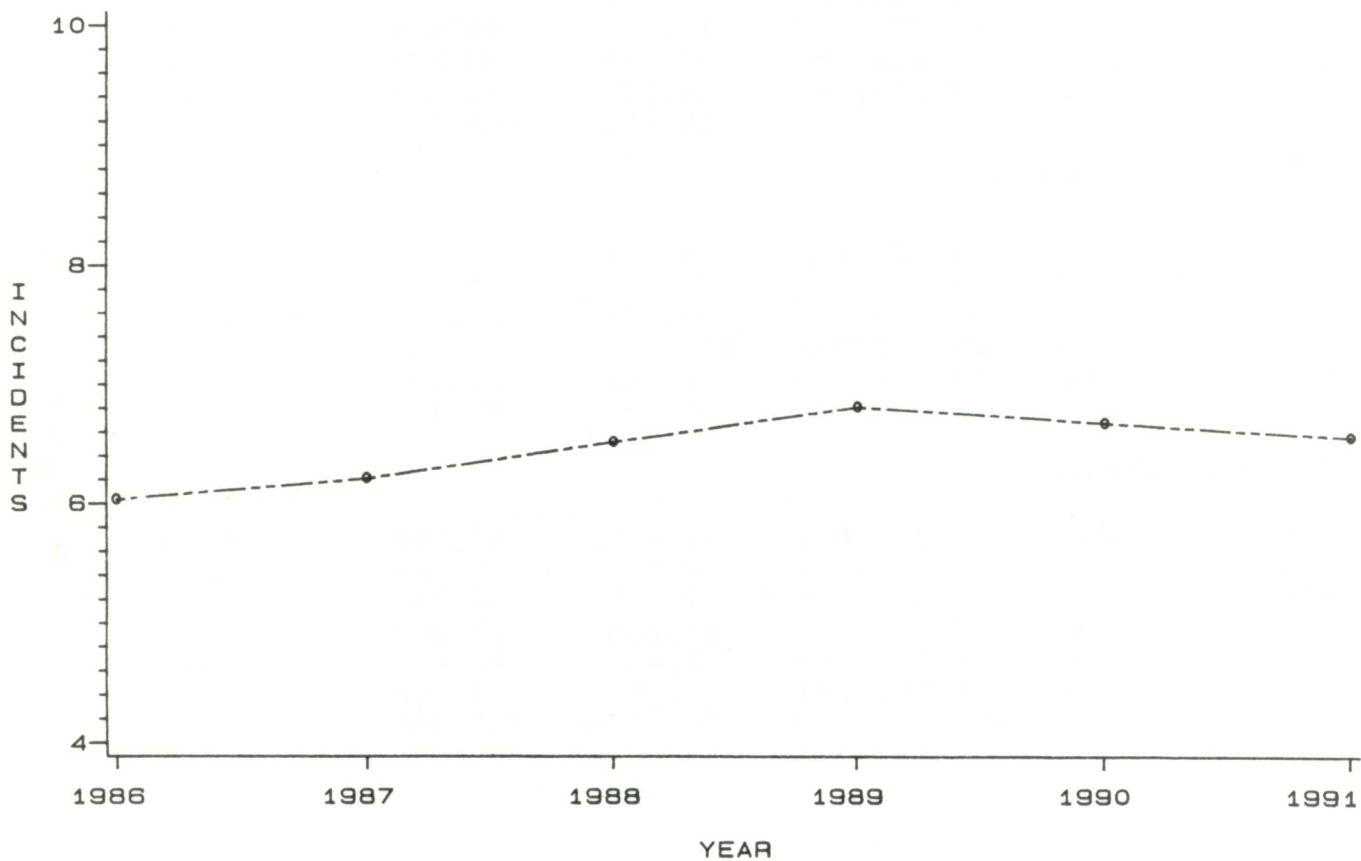


FIGURE 8. NON-TRAIN INCIDENTS PER 200,000 MAN-HOURS

TABLE 7. TOTAL ACCIDENTS/INCIDENTS

<u>YEAR</u>	<u>TRAIN ACCIDENTS</u>	<u>TRAIN INCIDENTS</u>	<u>NONTRAIN INCIDENTS</u>	<u>RAIL-HIGHWAY CROSSING IMPACTS</u>	<u>TOTAL</u>
1986	2,620	4,324	19,414	2,265	28,623
1987	2,512	4,136	19,220	2,247	28,115
1988	2,854	4,272	19,814	2,454	29,394
1989	2,898	4,037	19,700	2,634	29,269
1990	2,879	4,063	18,520	2,245	27,707
1991	2,658	3,805	17,449	1,999	25,911

Note: The count of Rail-Highway Crossing Impacts shown in this table is limited to those that met the train accident threshold or resulted in a death or injury.

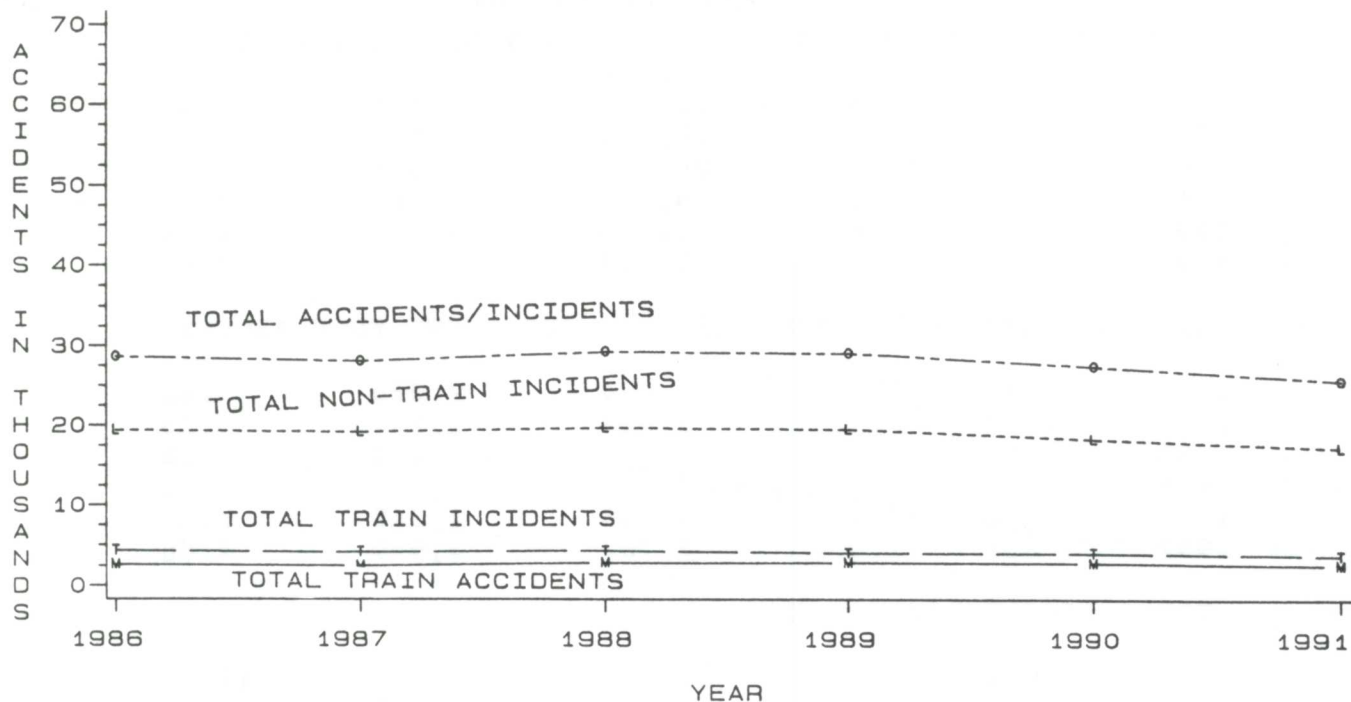


FIGURE 9. TOTAL ACCIDENTS/INCIDENTS

CASUALTIES

TABLE 8. CASUALTIES IN ACCIDENTS/INCIDENTS

YEAR AND TYPE ACC/INC	DEATHS	INJURIES	TOTAL CASUALTIES	TOTAL ACCIDENTS/ INCIDENTS	CASUALTIES PER MILLION TRAIN MILES
TRAIN ACCIDENTS (EXCLUDING HIGHWAY-RAIL IMPACTS)					
1986	13	948	961	2,620	1.69
1987	36	453	489	2,512	0.84
1988	18	471	489	2,854	0.80
1989	16	311	327	2,898	0.53
1990	10	451	461	2,879	0.76
1991	19	326	345	2,658	0.60
TRAIN INCIDENTS (EXCLUDING HIGHWAY-RAIL IMPACTS)					
1986	406	4,022	4,428	4,324	7.81
1987	466	3,806	4,272	4,136	7.35
1988	445	3,936	4,381	4,272	7.19
1989	465	3,689	4,154	4,037	6.69
1990	547	3,673	4,220	4,063	6.93
1991	539	3,383	3,922	3,805	6.80
NONTRAIN INCIDENTS (EXCLUDING HIGHWAY-RAIL IMPACTS)					
1986	56	19,495	19,551	19,414	34.48
1987	39	19,345	19,384	19,220	33.35
1988	47	20,058	20,105	19,814	33.00
1989	42	19,847	19,889	19,700	32.05
1990	42	18,612	18,654	18,520	30.64
1991	28	17,665	17,693	17,449	30.67
HIGHWAY-RAIL ACCIDENTS/INCIDENTS (EXCLUDED FROM ABOVE)					
1986	616	2,458	3,074	2,265	5.42
1987	624	2,429	3,053	2,247	5.25
1988	689	2,589	3,278	2,454	5.38
1989	801	2,868	3,669	2,634	5.91
1990	698	2,407	3,105	2,245	5.10
1991	608	2,094	2,702	1,999	4.68
TOTAL ACCIDENTS/INCIDENTS					
1986	1,091	26,923	28,014	28,623	49.40
1987	1,165	26,033	27,198	28,115	46.79
1988	1,199	27,054	28,253	29,394	46.37
1989	1,324	26,715	28,039	29,269	45.18
1990	1,297	25,143	26,440	27,707	43.43
1991	1,194	23,468	24,662	25,911	42.75

Note: The count of Rail-Highway Crossing Impacts shown in this table is limited to those that met the train accident threshold or resulted in a death or injury.

TABLE 9. CASUALTIES BY TYPE OF PERSON

YEAR	EMPLOYEES ON DUTY		EMPLOYEES NOT ON DUTY		PASSENGERS ON TRAIN		NON TRESPASSERS		TRESPASSERS		CONTRACTOR EMPLOYEES	
	KLD	INJ	KLD	INJ	KLD	INJ	KLD	INJ	KLD	INJ	KLD	INJ
1986	57	22,387	2	384	4	686	505	2,639	519	706	4	121
1987	55	21,982	1	396	16	475	506	2,354	584	673	3	153
1988	43	22,573	1	427	2	337	554	2,575	598	920	1	222
1989	49	22,183	1	407	8	399	621	2,579	641	898	4	249
1990	40	20,970	0	326	3	473	551	2,339	700	793	3	242
1991	35	19,626	1	362	8	382	484	2,110	663	769	3	219

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

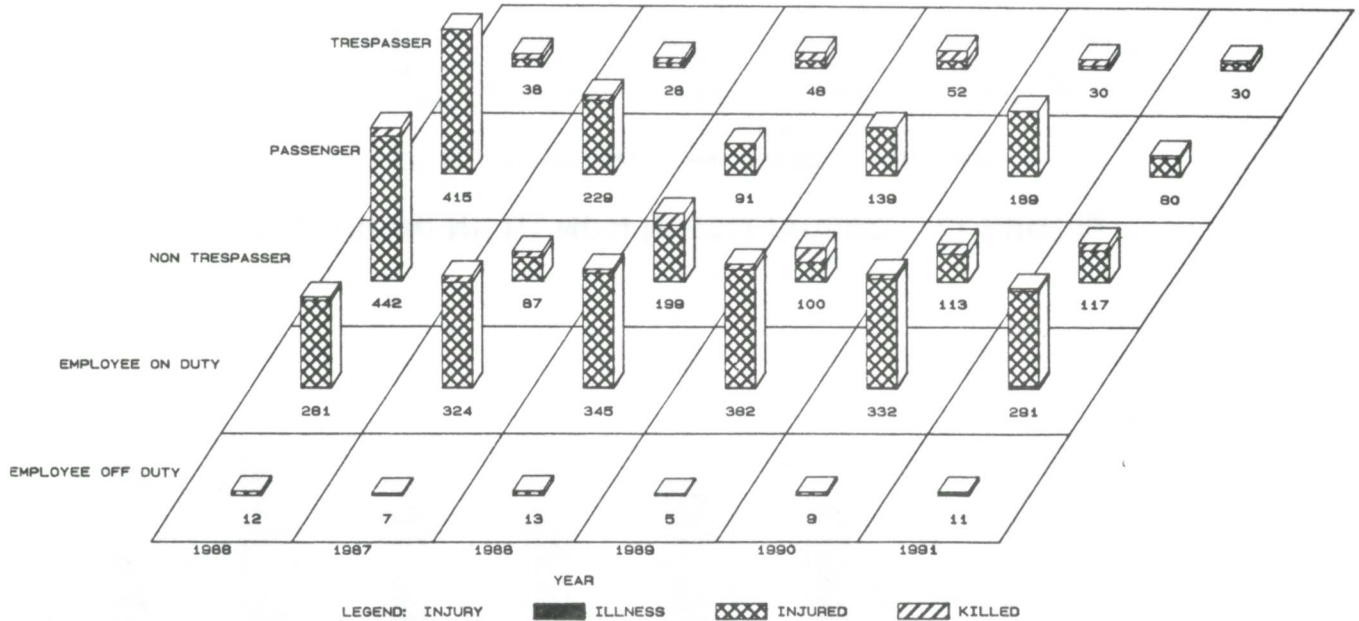


FIGURE 10. CASUALTIES IN TRAIN ACCIDENTS

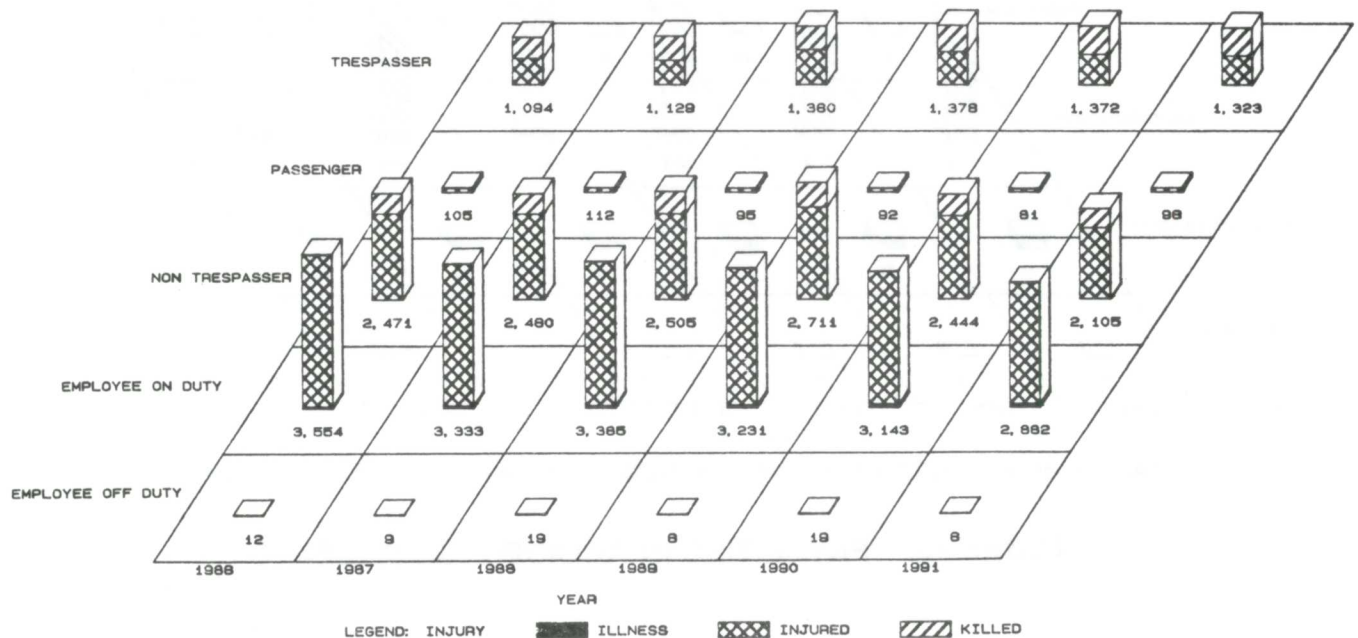


FIGURE 11. CASUALTIES IN TRAIN INCIDENTS

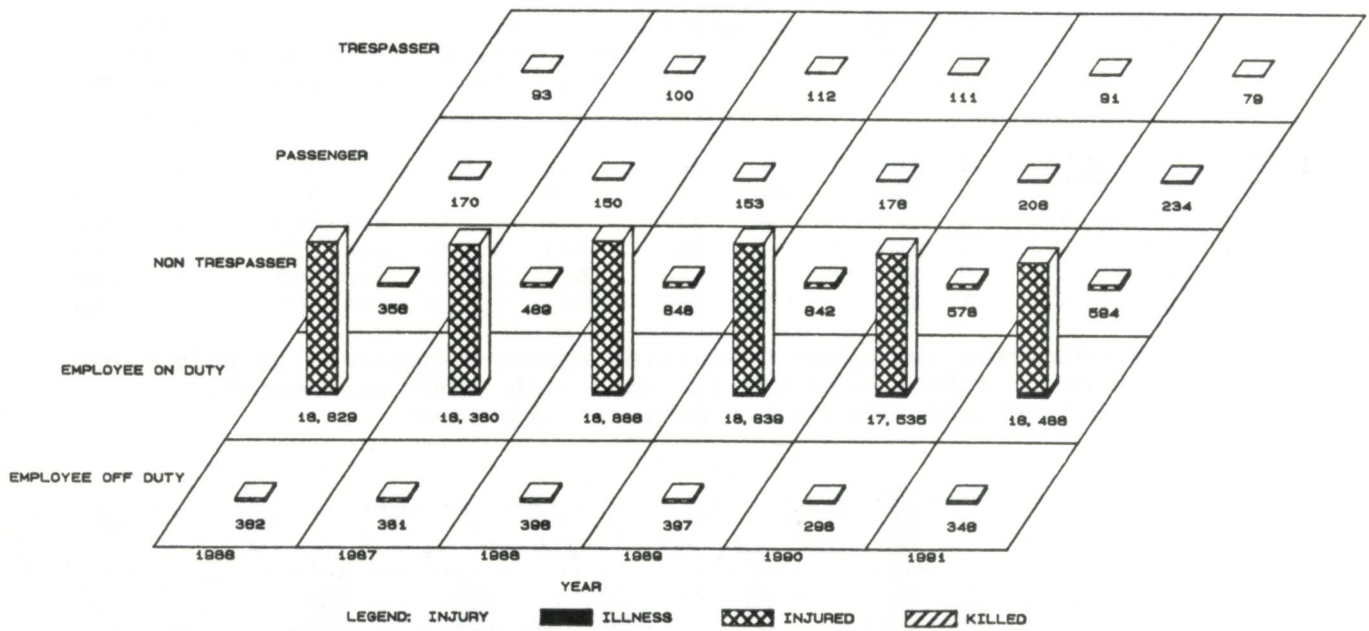


FIGURE 12. CASUALTIES IN NON-TRAIN INCIDENTS

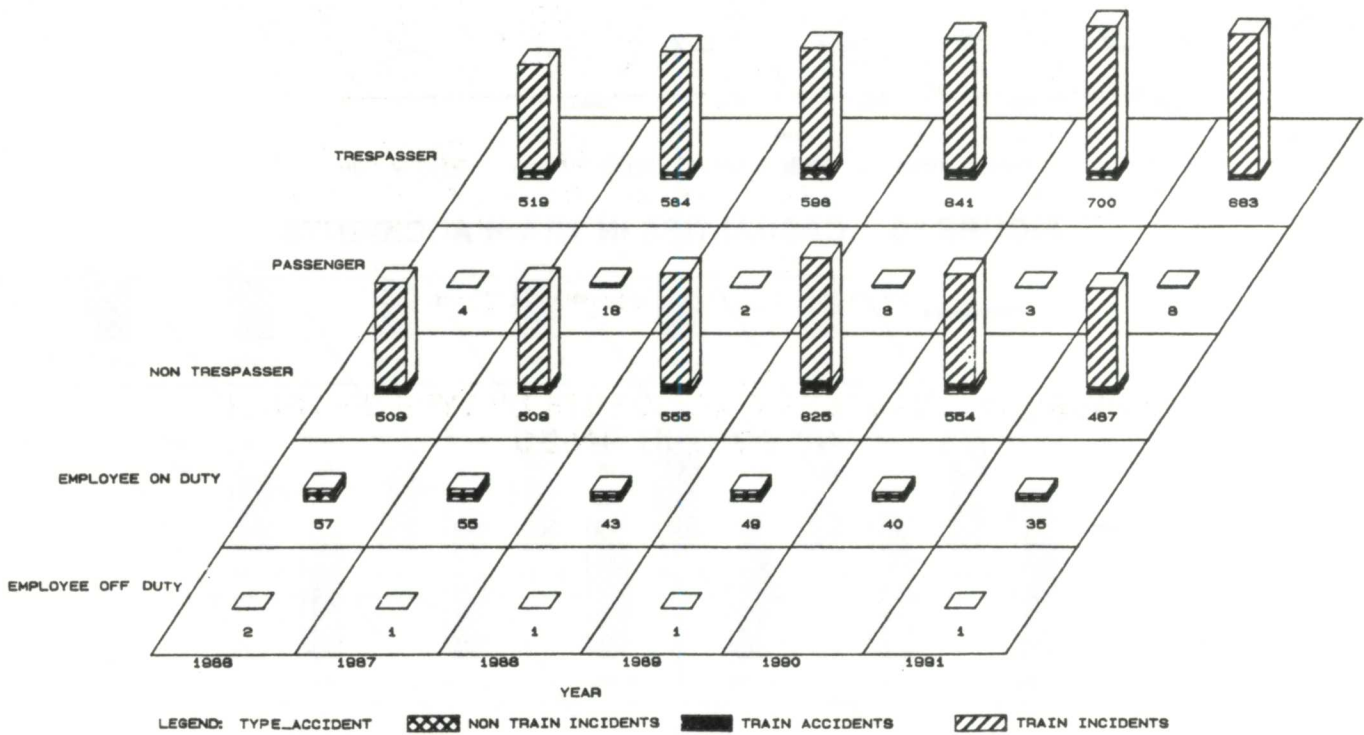


FIGURE 13. FATALITIES IN ACCIDENTS/INCIDENTS

2. OVERVIEW OF 1991 DATA

SPEED FACTOR IN ACCIDENTS

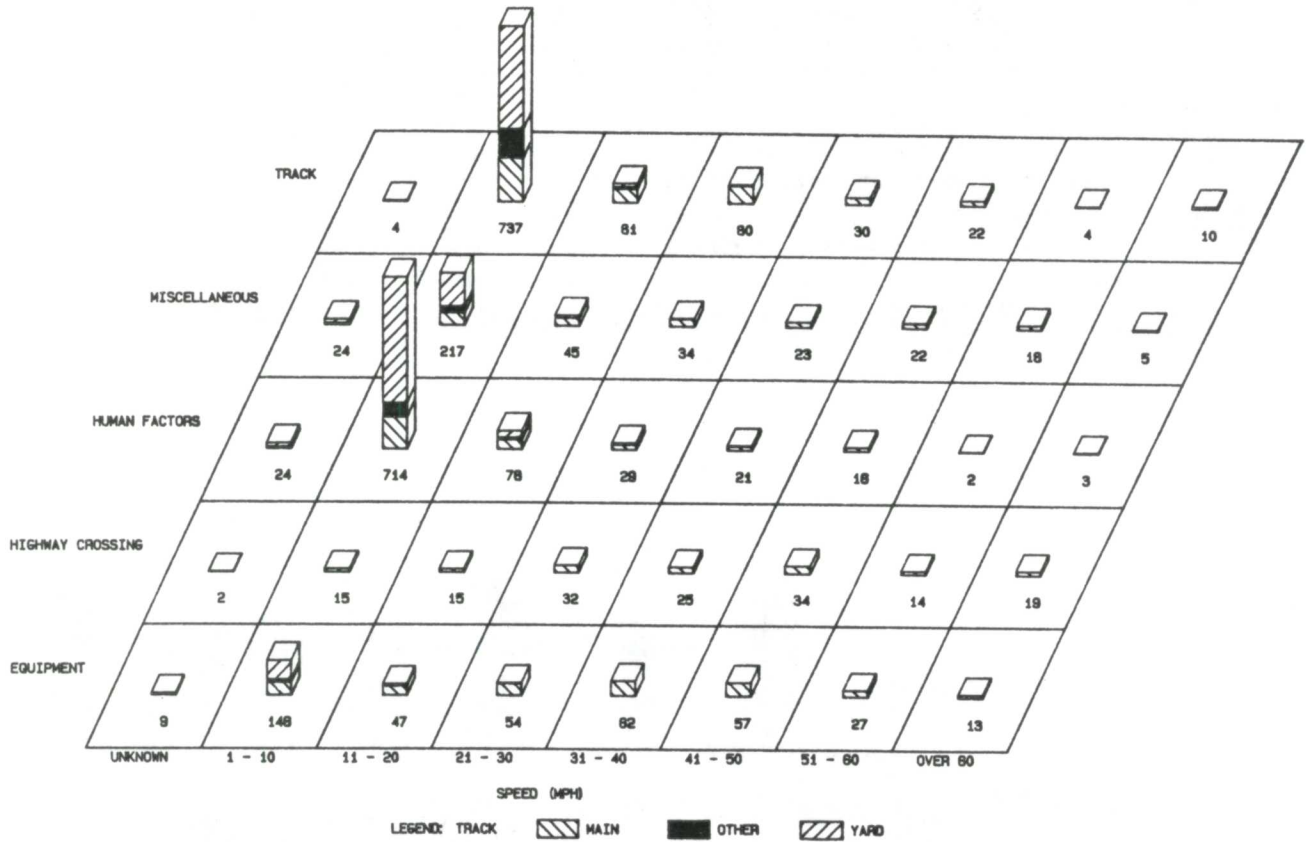


FIGURE 14. CAUSES OF ACCIDENTS BY TYPE OF TRACK AND CONSIST SPEED

TABLE 10. TRAIN ACCIDENTS AND REPORTABLE DAMAGES BY SPEED

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	15	575,445	531,330	44,115	0	7	8	1	5	4	5
1-10	437	16,858,044	11,202,389	5,655,655	32	339	66	185	54	133	65
11-20	183	13,159,147	8,426,759	4,732,388	16	130	37	57	38	40	48
21-30	209	31,139,382	22,951,488	8,187,894	10	142	57	73	50	23	63
31-40	158	41,849,324	31,774,435	10,074,889	9	106	43	30	62	19	47
41-50	150	47,430,656	38,141,405	9,289,251	10	90	50	22	57	16	55
51-60	65	8,288,781	6,729,030	1,559,751	4	26	35	4	27	2	32
61-70	19	7,818,656	7,395,492	423,164	2	4	13	2	7	2	8
71-80	16	8,684,034	8,134,813	549,221	0	3	13	0	1	1	14
81-90	8	237,253	225,547	11,706	2	0	6	4	3	0	1
>=91	7	593,338	539,208	54,130	2	0	5	4	2	0	1
TOTAL	1,267	176,634,060	136,051,896	40,582,164	87	847	333	382	306	240	339
ACCIDENTS ON YARD TRACK											
UNKNOWN	38	690,542	637,992	52,550	4	14	20	2	4	16	16
1-10	1,170	29,082,832	22,099,386	6,983,446	145	803	222	429	80	522	139
11-20	58	2,644,541	1,833,335	811,206	8	33	17	15	5	29	9
21-30	8	1,462,876	591,594	871,282	3	1	4	2	1	4	1
31-40	2	245,500	238,500	7,000	1	1	0	0	0	1	1
41-50	1	88,874	65,000	23,874	0	1	0	0	0	0	1
TOTAL	1,277	34,215,165	25,465,807	8,749,358	161	853	263	448	90	572	167
ACCIDENTS ON INDUSTRY, SIDING OR UNKNOWN TRACK TYPE											
UNKNOWN	10	293,668	242,458	51,210	1	6	3	1	0	4	5
1-10	222	5,071,975	3,254,293	1,817,682	11	196	15	123	12	59	28
11-20	25	3,304,150	1,416,138	1,888,012	0	25	0	9	4	9	3
21-30	12	1,408,585	1,141,145	267,440	0	9	3	5	3	2	2
31-40	1	2,009,392	1,979,700	29,692	1	0	0	0	0	1	0
TOTAL	270	12,087,770	8,033,734	4,054,036	13	236	21	138	19	75	38
FINAL	2,814	222,936,995	169,551,437	53,385,558	261	1,936	617	968	415	887	544

In those accidents that involve more than one moving consist, the highest reported speed appears in this table.

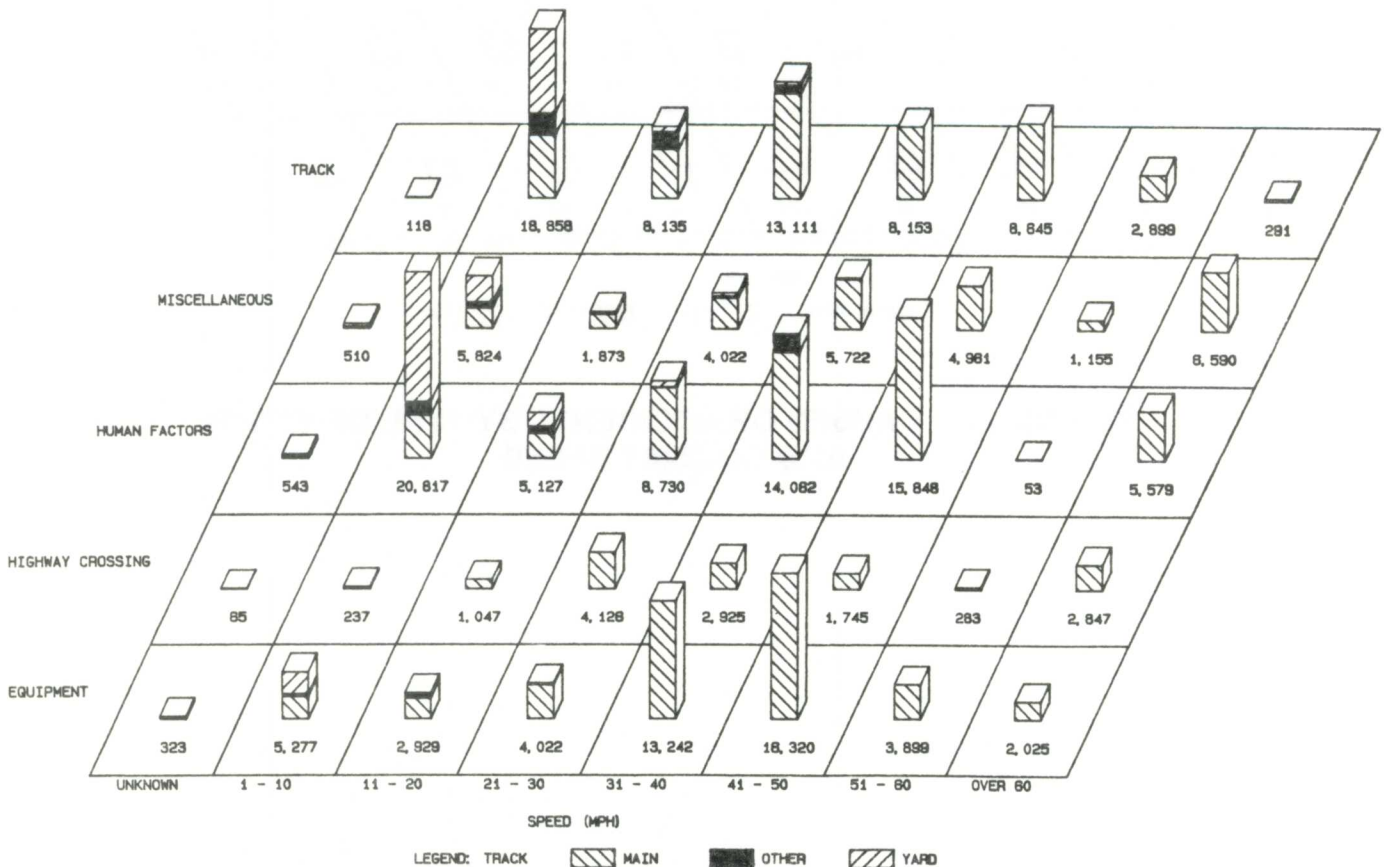


FIGURE 15. ACCIDENT DAMAGES BY SPEED AND CAUSE (\$ 000's)

ACCIDENTS AND TRACK TYPE

TABLE 11. TRAIN ACCIDENTS AND REPORTABLE DAMAGES BY TRACK CLASS

TRACK CLASS	TOTAL ACCIDENTS	TOTAL DAMAGE	EQUIPMENT DAMAGE	TRACK DAMAGE	COLLISIONS	DERAILMENTS	OTHER ACCIDENTS	TRACK CAUSED	EQUIPMENT FAILURE	HUMAN FACTORS	OTHER CAUSES
?	235	6,564,459	4,944,117	1,620,342	28	166	41	100	11	83	41
1	1,291	39,196,284	28,870,153	10,326,131	130	936	225	517	94	510	170
2	443	25,158,594	18,059,419	7,099,175	32	324	87	178	58	122	85
3	342	46,810,944	36,073,682	10,737,262	28	234	80	84	98	71	89
4	384	89,044,945	69,084,737	19,960,208	29	213	142	67	102	81	134
5	90	10,267,699	7,813,115	2,454,584	5	63	22	14	34	18	24
6	29	5,894,070	4,706,214	1,187,856	9	0	20	8	18	2	1
FINAL TO	2,814	222,936,995	169,551,437	53,385,558	261	1,936	617	968	415	887	544

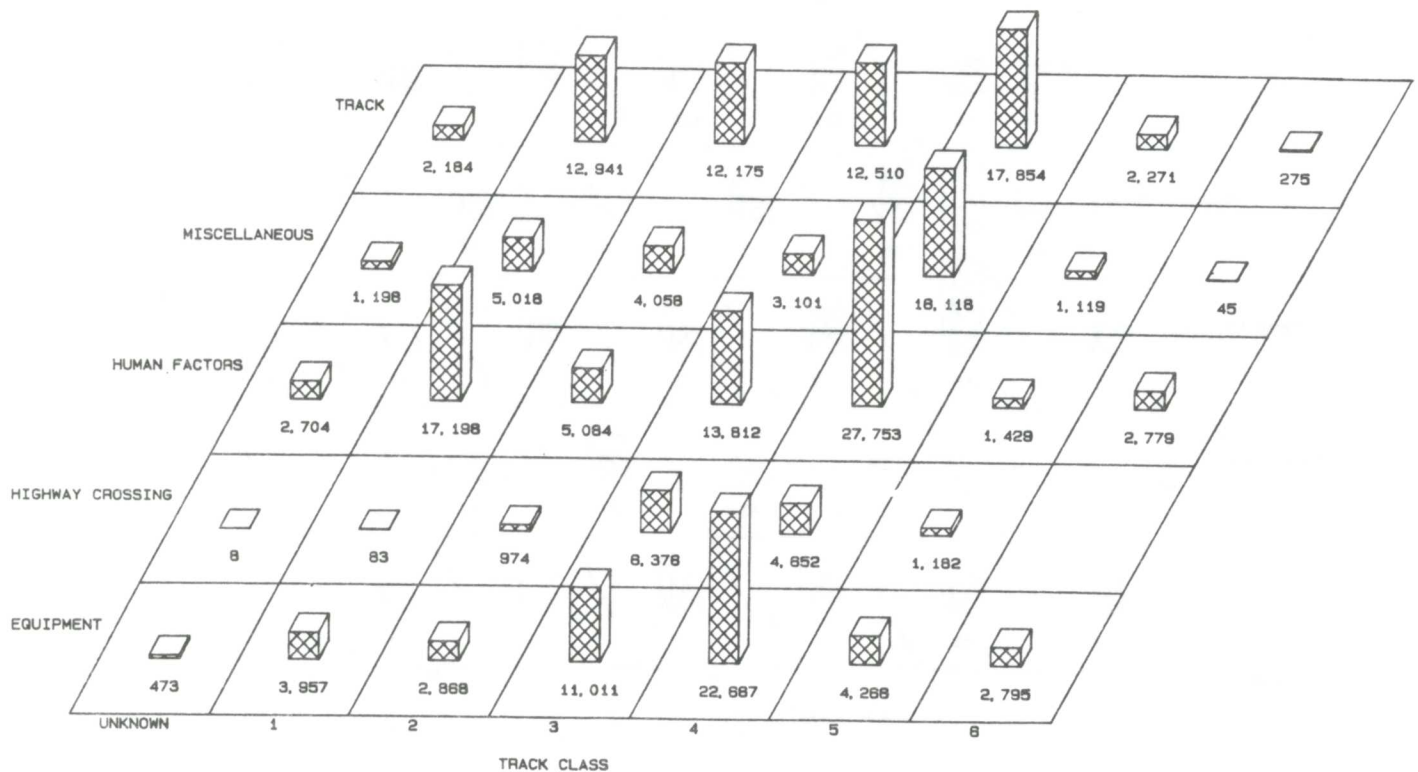


FIGURE 16. ACCIDENT DAMAGES BY TRACK CLASS AND CAUSE (\$ 000's)

CAUSE BY TYPE OF ACCIDENT

TABLE 12. REPORTABLE DAMAGES IN TRAIN ACCIDENTS BY TYPE AND CAUSE

Type of Accident	...Track Caused...		.Equipment Caused.		...Human Factors..		...Other Causes...		.....Total Damage.....	
	Trk Deg	Eqp Deg	Trk Deg	Eqp Deg	Trk Deg	Eqp Deg	Trk Deg	Eqp Deg	Trk Deg	Eqp Deg
Derailement	17,221,832	40,531,599	14,632,950	28,467,221	6,510,453	21,330,332	7,084,131	17,311,439	45,449,366	107,640,591
Head on collision	500	109,676	---	30,400	248,752	19,424,272	302,100	110,300	551,352	19,674,648
Rear end collision	---	---	500	18,188	151,430	3,187,522	---	---	151,930	3,205,710
Side collision	1,000	207,131	19,400	31,500	1,505,724	6,343,786	6,850	148,350	1,532,974	6,730,767
Raking collision	54,716	227,443	19,360	61,093	179,805	4,097,029	634,691	459,208	888,572	4,844,773
Broken trn collision	---	---	23,450	93,009	4,902	219,585	---	---	28,352	312,594
Way-rail crossing	---	---	---	---	---	---	1,715,748	11,559,372	1,715,748	11,559,372
RR grade crossing	---	---	---	---	---	---	---	---	---	---
Obstruction	---	8,500	500	15,360	270,441	1,614,770	235,413	757,275	506,354	2,395,905
Explosion-detonatin	---	---	---	21,530	---	---	---	---	---	21,530
Fire/violent ruptre	500	7,740	7,573	3,682,081	---	---	43,415	617,600	51,488	4,307,421
Other	696,009	889,517	164,754	847,199	961,866	4,763,181	686,793	2,358,229	2,509,422	8,858,126
TOTAL.....	17,974,557	41,981,606	14,868,487	33,267,581	9,833,373	60,980,477	10,709,141	33,321,773	53,385,558	169,551,437

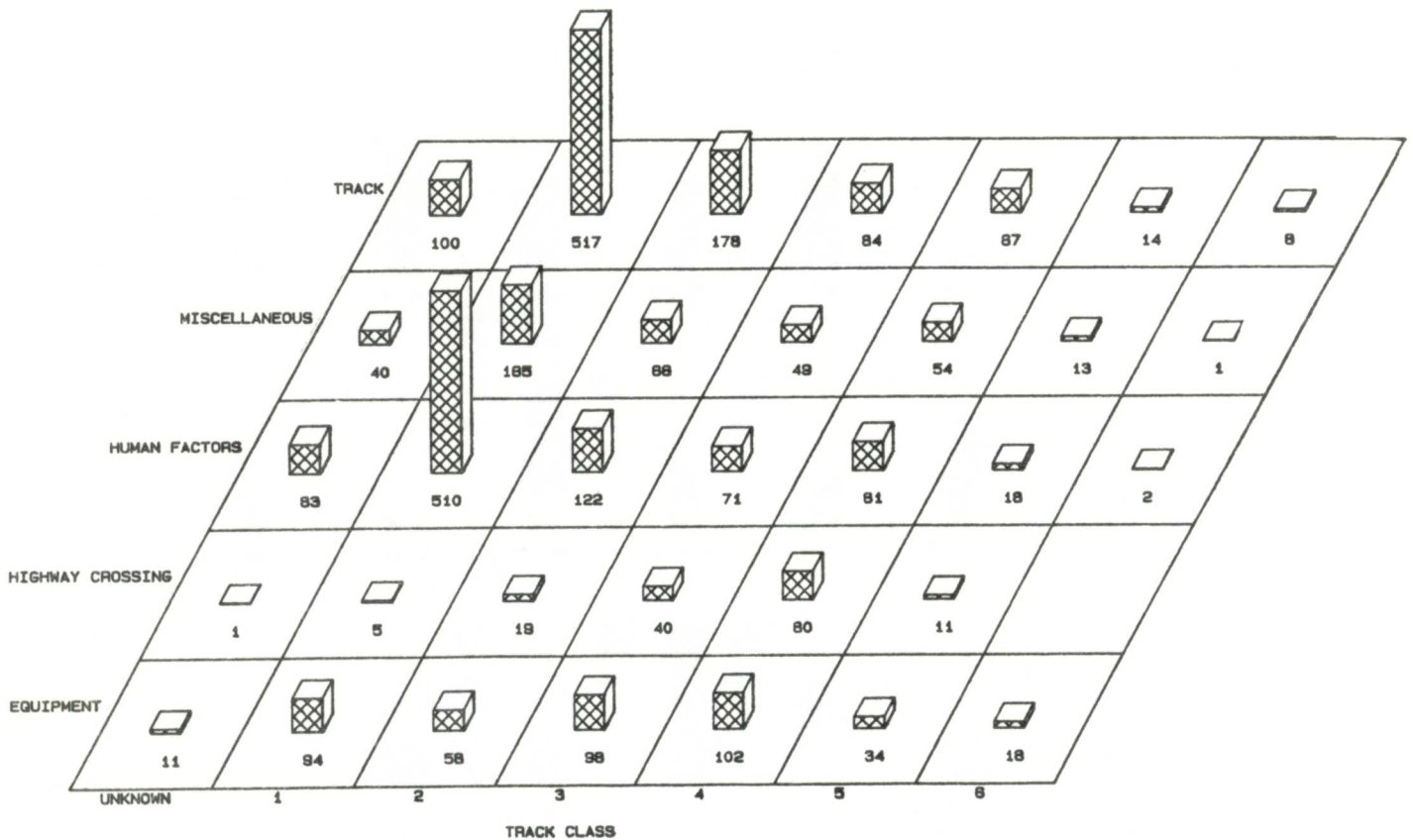


FIGURE 17. ACCIDENT CAUSES BY TRACK CLASS

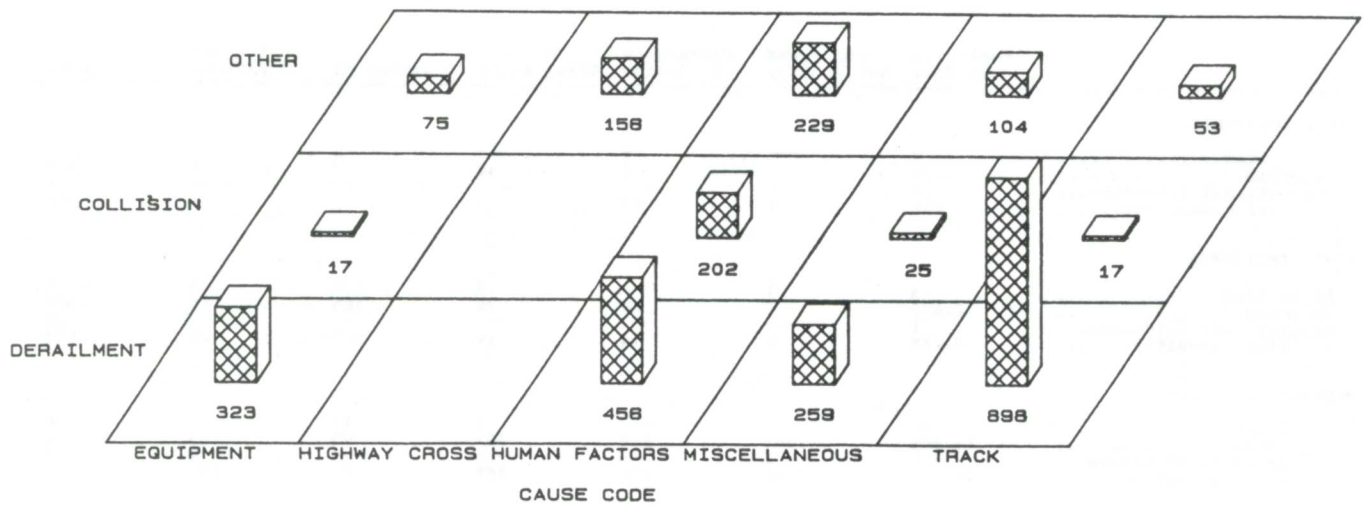


FIGURE 18. ACCIDENT CAUSES BY ACCIDENT TYPE

INJURIES AND FATALITIES BY TYPE OF PERSON

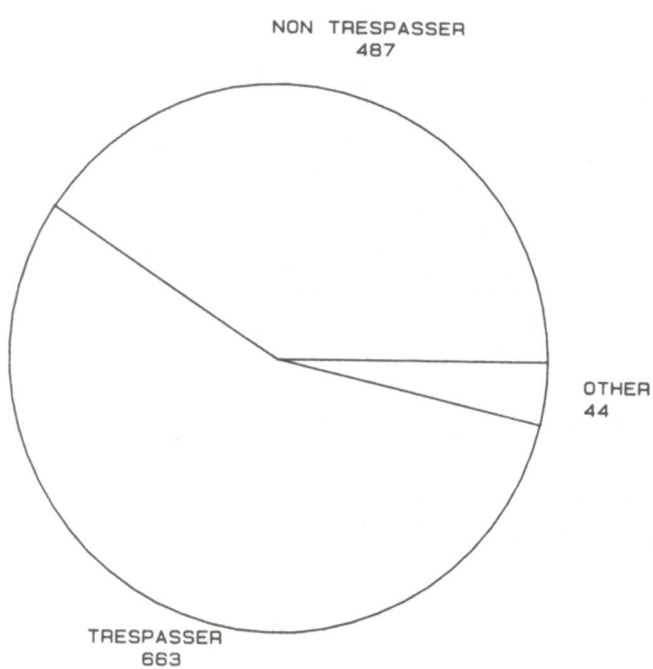


FIGURE 19A. FATALITIES BY TYPE OF PERSON

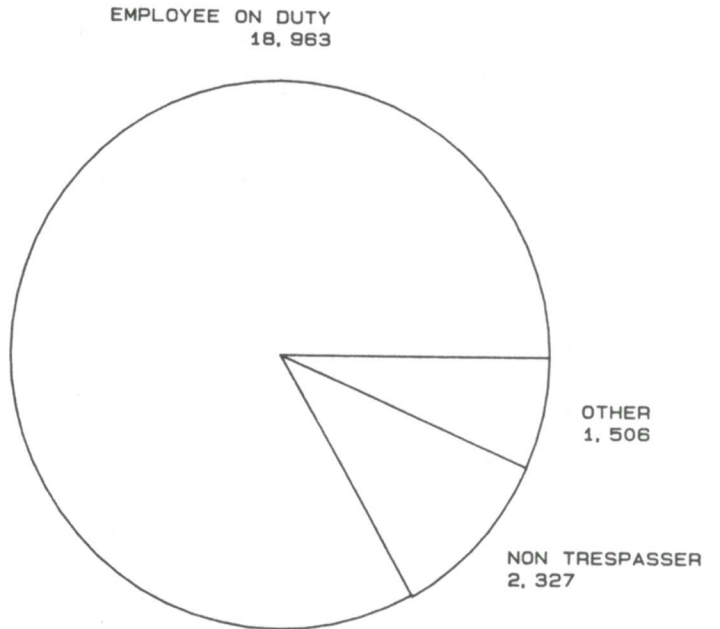


FIGURE 19B. INJURIES BY TYPE OF PERSON

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.....	9	---	8	---	2	---	19
Injuries.....	220	7	32	50	5	1	315
Occupational illnesses...	7	4	---	---	---	---	11
Total casualties.....	236	11	40	50	7	1	345
TRAIN INCIDENTS							
Fatalities.....	13	1	---	13	509	3	539
Injuries.....	2,695	5	94	26	464	18	3,302
Occupational illnesses...	81	---	---	---	---	---	81
Total casualties.....	2,789	6	94	39	973	21	3,922
NONTRAIN INCIDENTS							
Fatalities.....	12	---	---	3	13	---	28
Injuries.....	15,906	343	234	347	65	195	17,090
Occupational illnesses...	570	3	---	---	---	2	575
Total casualties.....	16,488	346	234	350	78	197	17,693
HIGHWAY-RAIL CROSSING ACCIDENTS/INCIDENTS							
Fatalities.....	1	---	---	468	139	---	608
Injuries.....	142	---	22	1,687	235	3	2,089
Occupational illnesses...	5	---	---	---	---	---	5
Total casualties.....	148	---	22	2,155	374	3	2,702
GRAND TOTAL							
Fatalities.....	35	1	8	484	663	3	1,194
Injuries.....	18,963	355	382	2,110	769	217	22,796
Occupational illnesses...	663	7	---	---	---	2	672
Total casualties.....	19,661	363	390	2,594	1,432	222	24,662

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

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

TABLE 14. TOTAL FATALITIES BY TYPE OF PERSON

Type Of Accident/Incident	Total Killed	...Employees On Duty... Trainmen Other	Duty... Total	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
TRAIN ACCIDENTS							
Collisions	5	5	---	5	---	---	---
Deraillments	10	---	---	---	8	---	2
Rail-highway x-ing	30	---	---	---	---	23	7
Miscellaneous	4	4	---	4	---	---	---
Total.....	49	9	---	9	8	23	9
TRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	1	1	---	1	---	---	---
Coupling/uncoupling air/steam hose, safety chains.	---	---	---	---	---	---	---
Operating or on locomotives.....	---	---	---	---	---	---	---
Operating rail motorcars.....	---	---	---	---	---	---	---
Operating hand brakes.....	---	---	---	---	---	---	---
Operating switches or derails.....	1	1	---	1	---	---	---
Contacting fixed objects while on locos or cars..	2	1	---	1	---	---	1
Getting on or off cars or locomotives.....	5	---	---	---	---	---	5
Collisions, derailments, etc. (<= \$6,300).....	15	2	---	2	---	---	13
Rail-highway crossing accidents/incidents.....	571	1	---	1	---	438	132
Struck by/ran into loco/car(not at hwy-rr x-ing).	488	3	2	5	1	15	467
Servicing or maintenance of equipment.....	---	---	---	---	---	---	---
Maintenance of way and structures.....	1	---	---	---	---	1	---
Freight, baggage, express or mail.....	3	---	---	---	---	---	3
Windows, doors, etc., on on-track equipment.....	---	---	---	---	---	---	---
Passenger car doors.....	---	---	---	---	---	---	---
Stumbling, slipping, falling, caught, N.O.C.....	7	2	---	2	---	---	5
Flying or falling objects, burns, etc., N.O.C....	2	---	---	---	---	---	2
Operation of on-track work equipment.....	1	---	---	---	---	---	1
Assault.....	---	---	---	---	---	---	---
Other occurrences.....	13	1	---	1	---	---	12
Total.....	1,110	12	2	14	1	452	641
NONTRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	---	---	---	---	---	---	---
Coupling/uncoupling air/steam hose, safety chains.	1	1	---	1	---	---	---
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. (<= \$6,300).....	---	---	---	---	---	---	---
Rail-highway crossing accidents/incidents.....	7	---	---	---	---	7	---
Struck by/ran into loco/car(not at hwy-rr x-ing).	4	---	---	---	---	1	3
Servicing or maintenance of equipment.....	1	---	1	1	---	---	---
Maintenance of way and structures.....	---	---	---	---	---	---	---
Freight, baggage, express or mail.....	---	---	---	---	---	---	---
Windows, doors, etc., on on-track equipment.....	---	---	---	---	---	---	---
Passenger car doors.....	---	---	---	---	---	---	---
Stumbling, slipping, falling, caught, N.O.C.....	3	1	---	1	---	---	2
Flying or falling objects, burns, etc., N.O.C....	4	---	---	---	---	1	3
Operation of on-track work equipment.....	---	---	---	---	---	---	---
Assault.....	3	---	2	2	---	---	1
Other occurrences.....	12	---	7	7	---	---	4
Total.....	35	2	10	12	---	10	13
Grand total.....	1,194	23	12	35	1	487	663

TABLE 15. TOTAL NONFATAL CASUALTIES BY TYPE OF PERSON

Type Of Accident/Incident	Total Injured	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
TRAIN ACCIDENTS								
Collisions	103	91	12	103	---	---	---	---
Derailments	174	64	14	78	11	32	50	3
Rail-highway x-ing	134	49	6	55	---	20	43	16
Miscellaneous	49	38	8	46	---	---	1	2
Total.....	460	242	40	282	11	52	94	21
TRAIN INCIDENTS								
Coupling and uncoupling locomotives or cars.....	192	185	7	192	---	---	---	---
Coupling/uncoupling air/steam hose, safety chains.	30	26	4	30	---	---	---	---
Operating or on locomotives.....	726	714	12	726	---	---	---	---
Operating rail motorcars.....	13	8	5	13	---	---	---	---
Operating hand brakes.....	98	95	2	97	---	---	1	---
Operating switches or derails.....	16	15	1	16	---	---	---	---
Contacting fixed objects while on locos or cars..	71	65	5	70	---	---	---	1
Getting on or off cars or locomotives.....	606	530	28	558	---	21	---	27
Collisions, derailments, etc. (<= \$6,300).....	124	85	12	97	---	4	4	19
Rail-highway crossing accidents/incidents.....	1,919	84	8	92	---	2	1,607	218
Struck by/ran into loco/car(not at hwy-rr x-ing).	429	34	12	46	---	---	16	367
Servicing or maintenance of equipment.....	55	3	52	55	---	---	---	---
Maintenance of way and structures.....	95	---	91	91	---	---	4	---
Freight, baggage, express or mail.....	10	3	6	9	---	1	---	---
Windows, doors, etc., on on-track equipment.....	119	76	34	110	---	9	---	---
Passenger car doors.....	6	1	1	2	---	4	---	---
Stumbling, slipping, falling, caught, N.O.C.....	216	119	36	155	3	25	3	30
Flying or falling objects, burns, etc., N.O.C....	167	129	21	150	1	11	2	3
Operation of on-track work equipment.....	82	5	74	79	---	---	3	---
Assault.....	68	61	5	66	---	2	---	---
Other occurrences.....	260	174	40	214	1	17	11	17
Total.....	5,302	2,412	456	2,868	5	96	1,651	682
NONTRAIN INCIDENTS								
Coupling and uncoupling locomotives or cars.....	420	400	17	417	3	---	---	---
Coupling/uncoupling air/steam hose, safety chains.	239	208	31	239	---	---	---	---
Operating or on locomotives.....	533	466	67	533	---	---	---	---
Operating rail motorcars.....	26	11	15	26	---	---	---	---
Operating hand brakes.....	383	355	28	383	---	---	---	---
Operating switches or derails.....	993	907	85	992	1	---	---	---
Contacting fixed objects while on locos or cars..	25	16	6	22	1	1	1	---
Getting on or off cars or locomotives.....	966	710	142	852	5	105	2	2
Collisions, derailments, etc. (<= \$6,300).....	---	---	---	---	---	---	---	---
Rail-highway crossing accidents/incidents.....	41	---	---	---	---	---	40	1
Struck by/ran into loco/car(not at hwy-rr x-ing).	17	1	3	4	---	---	---	13
Servicing or maintenance of equipment.....	4,005	116	3,756	3,872	91	---	42	---
Maintenance of way and structures.....	4,898	18	4,817	4,835	25	---	38	---
Freight, baggage, express or mail.....	64	14	44	58	1	1	3	1
Windows, doors, etc., on on-track equipment.....	306	171	116	287	1	11	7	---
Passenger car doors.....	15	3	3	6	---	9	---	---
Stumbling, slipping, falling, caught, N.O.C.....	1,980	869	692	1,561	109	92	201	17
Flying or falling objects, burns, etc., N.O.C....	373	209	115	324	6	1	35	7
Operation of on-track work equipment.....	58	---	56	56	---	---	2	---
Assault.....	167	42	90	132	8	6	19	2
Other occurrences.....	2,197	518	1,359	1,877	95	8	194	23
Total.....	17,706	5,034	11,442	16,476	346	234	584	66
Grand total.....	23,468	7,688	11,938	19,626	362	382	2,329	769

TABLE 16. TOTAL ACCIDENTS/INCIDENTS BY OCCURRENCE

Type Of Accident/Incident	.....Accidents/Incidents.....		
	Total	Fatal	Nonfatal
TRAIN ACCIDENTS *			
Collisions.....	261	3	41
Derailments.....	1,936	3	42
Rail-highway crossing.....	156	28	62
Miscellaneous.....	461	3	23
Total.....	2,814	37	168
TRAIN INCIDENTS			
Coupling and uncoupling locomotives or cars.....	192	1	191
Coupling/uncoupling air/steam hose, safety chains.	30	---	30
Operating or on locomotives.....	700	---	700
Operating rail motorcars.....	13	---	13
Operating hand brakes.....	97	---	97
Operating switches or derails.....	17	1	16
Contacting fixed objects while on locos or cars..	73	2	71
Getting on or off cars or locomotives.....	609	5	604
Collisions, derailments, etc. (below \$ threshold)	117	15	102
Rail-highway crossing accidents/incidents.....	1,805	465	1,340
Struck by/ran into loco/car(not at hwy-rr x-ing).	891	482	409
Servicing or maintenance of equipment.....	55	---	55
Maintenance of way and structures.....	96	1	95
Freight, baggage, express or mail.....	12	3	9
Windows, doors, etc., on on-track equipment.....	118	---	118
Passenger car doors.....	6	---	6
Stumbling, slipping, falling, caught, N.O.C.....	223	7	216
Flying or falling objects, burns, etc., N.O.C....	154	2	152
Operation of on-track work equipment.....	76	1	75
Assault.....	62	---	62
Other occurrences.....	264	13	251
Total.....	5,610	998	4,612
NONTRAIN INCIDENTS			
Coupling and uncoupling locomotives or cars.....	419	---	419
Coupling/uncoupling air/steam hose, safety chains.	240	1	239
Operating or on locomotives.....	527	---	527
Operating rail motorcars.....	26	---	26
Operating hand brakes.....	383	---	383
Operating switches or derails.....	992	---	992
Contacting fixed objects while on locos or cars..	25	---	25
Getting on or off cars or locomotives.....	966	---	966
Collisions, derailments, etc. (below \$ threshold)	---	---	---
Rail-highway crossing accidents/incidents.....	38	6	32
Struck by/ran into loco/car(not at hwy-rr x-ing).	17	4	13
Servicing or maintenance of equipment.....	3,897	1	3,896
Maintenance of way and structures.....	4,891	---	4,891
Freight, baggage, express or mail.....	64	---	64
Windows, doors, etc., on on-track equipment.....	305	---	305
Passenger car doors.....	15	---	15
Stumbling, slipping, falling, caught, N.O.C.....	1,981	3	1,978
Flying or falling objects, burns, etc., N.O.C....	358	4	354
Operation of on-track work equipment.....	58	---	58
Assault.....	167	2	165
Other occurrences.....	2,118	12	2,106
Total.....	17,487	33	17,454
Grand total.....	25,911	1,068	22,234

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

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

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

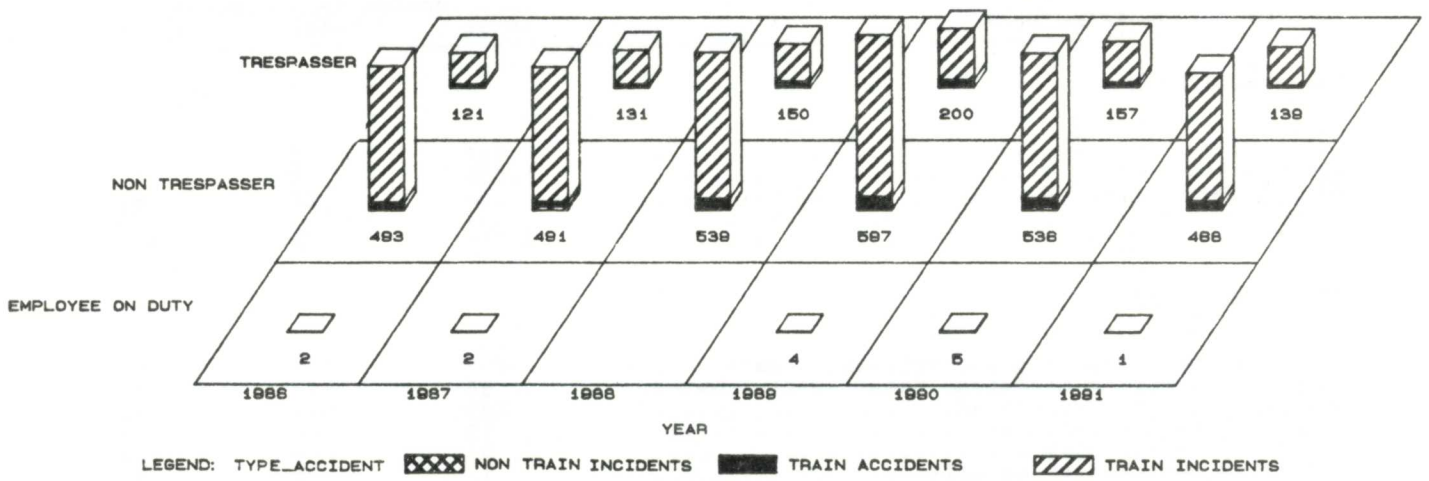


FIGURE 20. FATALITIES AT RAIL-HIGHWAY CROSSINGS BY TYPE OF PERSON

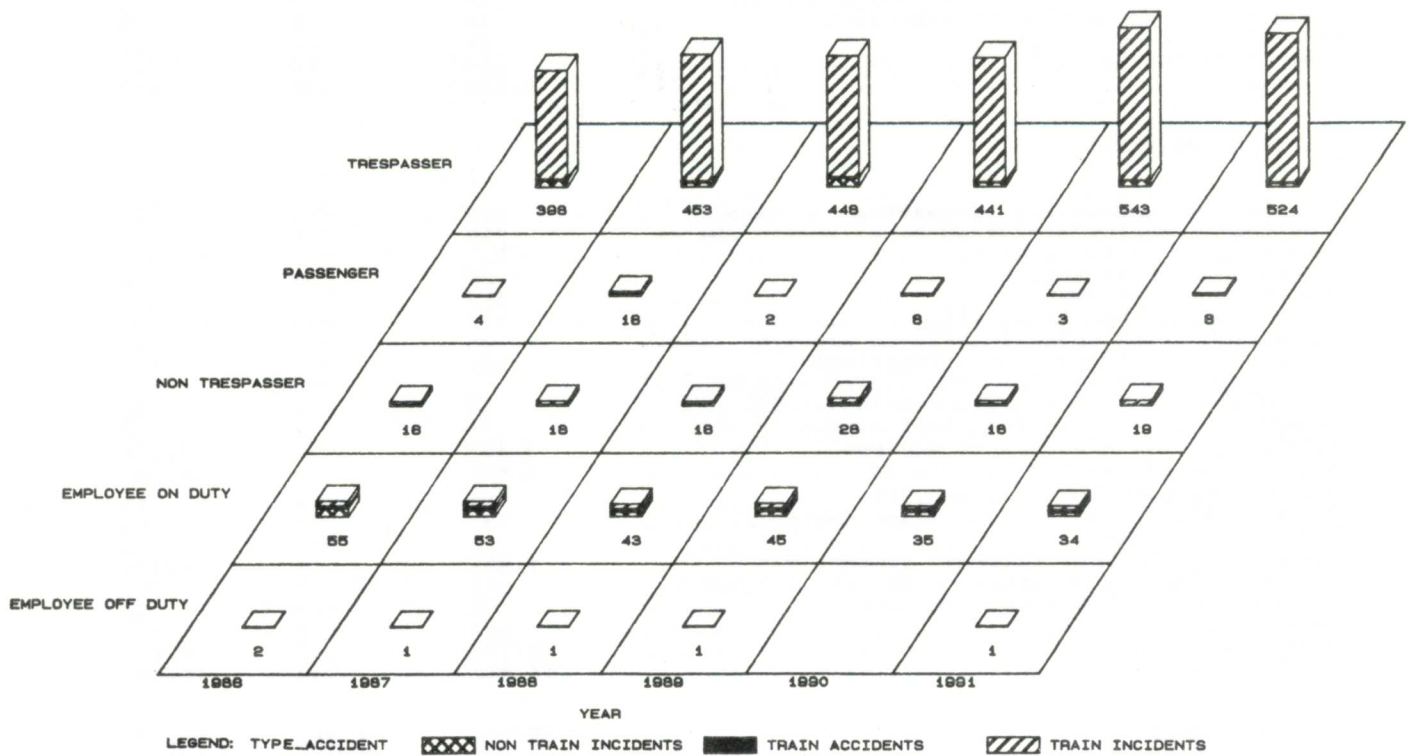


FIGURE 21. FATALITIES NOT AT RAIL-HIGHWAY CROSSINGS

TABLE 17. TRAIN ACCIDENTS BY MONTH

Month	Accs	Accs Per MTM	Total Damage	Damage Per MTM	Train Miles			
					Locomotive	Motor	Yard Switching	Total
January	231	4.87	20,920,989	\$440,905.99	37,762,039	2,181,080	7,507,336	47,450,455
February	190	4.23	15,129,672	\$336,963.74	35,824,997	2,154,453	6,920,066	44,899,516
March	246	5.07	19,967,794	\$411,181.46	38,798,721	2,392,486	7,370,647	48,561,854
April	229	5.00	19,192,782	\$419,276.08	36,235,423	2,402,127	7,138,605	45,776,155
May	234	4.86	12,676,955	\$263,253.14	38,151,147	2,519,047	7,484,877	48,155,071
June	267	5.61	20,037,273	\$421,013.03	37,850,919	2,421,188	7,320,725	47,592,832
July	266	5.51	24,757,086	\$512,537.23	38,309,787	2,553,699	7,439,088	48,302,574
August	267	5.33	26,415,411	\$527,074.87	39,959,782	2,510,978	7,646,700	50,117,460
September	194	3.98	18,009,413	\$369,469.33	39,027,443	2,374,434	7,342,076	48,743,953
October	234	4.52	12,343,883	\$238,220.72	41,593,455	2,286,171	7,937,367	51,816,993
November	222	4.59	15,644,618	\$323,730.87	38,878,564	2,107,802	7,339,433	48,325,799
December	234	4.97	17,841,119	\$378,856.69	37,811,331	2,208,467	7,072,430	47,092,228
Total...	2,814	4.88	222,936,995	\$386,483.13	460,203,608	28,111,932	88,519,350	576,834,890

NOTE: "MTM" = Million train miles

TABLE 18. TRAIN ACCIDENTS BY TYPE AND MONTH

Type of Accident	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Derailment	162	124	169	148	173	184	179	199	135	158	151	154	1,936
Head on collision	3	---	3	5	4	---	2	3	2	1	3	3	29
Rear end collision	1	1	1	6	---	5	---	1	---	1	2	3	21
Side collision	12	17	10	12	12	7	12	10	11	13	12	18	146
Raking collision	6	3	6	3	3	6	4	7	5	4	5	5	57
Broken train collision	1	1	2	---	---	1	---	---	---	---	2	1	8
Hwy-rail crossing	10	16	16	12	7	17	15	14	17	15	4	13	156
RR grade crossing	---	---	---	---	---	---	---	---	---	---	---	---	---
Obstruction	1	---	7	3	3	9	8	3	2	9	7	6	58
Explosion-detonation	---	---	---	---	---	---	---	---	---	1	---	---	1
Fire or violent rupture	2	1	4	5	2	1	3	---	2	2	3	5	30
Other	33	27	28	35	30	37	43	30	20	30	33	26	372
Total	231	190	246	229	234	267	266	267	194	234	222	234	2,814

3. ACCIDENTS: DETAILS OF 1991 OCCURRENCES

TABLE 19. TRAIN ACCIDENTS AND DAMAGES BY PRINCIPAL CAUSES AND SUBCAUSES

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Rail Hwy Crossing
	Accidents	Damage				
TRACK, ROADBED AND STRUCTURES						
Roadbed defects	43	4,491,105	---	41	2	---
Track geometry defects	390	23,866,673	1	380	9	---
Rail and joint bar defects	238	22,190,769	---	234	4	---
Frogs, switches and track appliances	255	7,713,718	3	231	21	---
Other way and structure	26	1,166,779	7	4	15	---
Signal and communication failures	16	527,119	6	8	2	---
Subtotal.....	968	59,956,163	17	898	53	---
MECHANICAL AND ELECTRICAL FAILURES						
LOCOMOTIVE FAILURE						
Brakes	4	65,970	---	2	2	---
Body	---	---	---	---	---	---
Coupler and draft system	1	21,200	1	---	---	---
Truck components	---	---	---	---	---	---
Axles and journal bearings	4	2,044,300	---	4	---	---
Wheels	7	109,906	---	6	1	---
Locomotives	24	3,944,401	3	4	17	---
Doors	---	---	---	---	---	---
General mechanical and electrical failures	13	118,702	---	---	13	---
Subtotal (locomotives)..	53	6,304,479	4	16	33	---
CAR FAILURE						
Brakes	44	3,279,960	2	36	6	---
Trailer or container on flat car	2	23,500	1	---	1	---
Body	28	1,313,603	1	22	5	---
Coupler and draft system	63	4,560,100	4	46	13	---
Truck components	72	8,906,895	1	71	---	---
Axles and journal bearings	59	11,476,875	---	59	---	---
Wheels	68	11,408,794	2	63	3	---
Doors	6	266,556	1	5	---	---
General mechanical and electrical failures	20	595,306	1	5	14	---
Subtotal (cars).....	362	41,831,589	13	307	42	---
TOTAL EQUIPMENT FAILURES....	415	48,136,068	17	323	75	---
TRAIN OPERATION - HUMAN FACTORS						
Brakes, use of	176	15,186,657	55	68	53	---
Employee physical condition	1	3,549,387	1	---	---	---
Flagging, fixed, hand and radio signals	39	4,636,585	16	11	12	---
Other rules and instructions	249	23,650,306	87	67	95	---
Speed	66	6,302,221	18	30	18	---
Switches, use of	140	7,870,630	18	98	24	---
Miscellaneous	216	9,618,064	7	182	27	---
Subtotal.....	887	70,813,850	202	456	229	---
MISCELLANEOUS FACTORS						
Collision with highway user at crossing site	156	13,275,120	---	---	---	156
Emergency brake application to avoid accident	6	292,050	---	5	1	---
Vandalism	67	6,082,639	1	48	18	---
Interference with rr operation, not vandals	14	4,476,964	3	10	1	---
Load shifted	17	872,557	2	11	4	---
Load fell from car	3	229,101	---	3	---	---
Overloaded car	5	72,455	---	5	---	---
Improperly loaded car	20	1,753,234	2	16	2	---
Oversized load, misrouted	3	70,000	---	---	3	---
Object on or fouling track	27	1,369,156	2	12	13	---
Equipment on or fouling track	6	291,510	4	---	2	---
Trail/container tiedown eqp Impr applied	---	---	---	---	---	---
Overload/improper loaded container etc.	2	359,000	---	---	2	---
Interaction of lateral/vertical forces	88	4,712,688	---	87	1	---
Failure to control car spd with hand brk	3	203,263	---	3	---	---
Snow, ice, or mud on track	9	841,590	---	9	---	---
Other acts of God	14	2,595,244	1	3	10	---
Fire, not due to vandalism	4	476,915	---	---	4	---
Hump retarder failed to slow car	27	523,832	4	3	20	---
Switch fouled by lading chains, etc.	4	59,424	---	2	2	---
Other causes	69	5,474,172	6	42	21	---
Subtotal.....	544	44,030,914	25	259	104	156
GRAND TOTAL.....	2,814	222,936,995	261	1,936	461	156

**TABLE 20. TRAIN ACCIDENTS RESULTING FROM HUMAN FACTORS
BY SPECIFIC CAUSES**

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Rail Hwy Crossing
	Accidents	Damage				
BRAKES, USE OF						
500 Automatic brake, improper use	9	562,101	---	9	---	---
501 Dynamic brake, improper use	13	6,090,852	---	13	---	---
502 Failure to secure engine (R.R. emp.)	12	1,320,153	6	1	5	---
503 Failure to secure hnd brk (R.R. emp)	38	1,675,202	17	8	13	---
504 Failure to apply sufficient hand brake	47	1,676,475	17	11	19	---
505 Failure to apply hnd brk on car (emp.)	18	341,774	8	6	4	---
506 Fail. to secure eng/car (Non R.R. emp)	7	316,151	1	3	3	---
507 Independent (eng.) brake, improper use	17	1,313,052	---	14	3	---
508 Fail. to control spd,hnd brk (R.R.emp)	4	88,620	2	---	2	---
509 Other causes involving use of brakes	11	1,802,277	4	3	4	---
SUBTOTAL.....	176	15,186,657	55	68	53	---
EMPLOYEE PHYSICAL CONDITION						
513 Employee falling asleep	1	3,549,387	1	---	---	---
SUBTOTAL.....	1	3,549,387	1	---	---	---
FLAGGING, FIXED, HAND AND RADIO SIGNALS						
52A Block signal, failure to comply	8	2,943,244	5	2	1	---
52B Interlocking signal, failure to comply	2	379,612	1	1	---	---
520 Fixed signal, failure to comply	8	789,727	4	3	1	---
521 Flagging, improper or failure to flag	1	21,500	1	---	---	---
524 Hand signal improper	1	30,000	---	---	1	---
525 Hand signal, failure to give/receive	2	28,350	---	---	2	---
526 Radio communication, failure to comply	6	138,572	2	2	2	---
527 Radio communication, improper	1	14,560	---	---	1	---
528 Radio comm., failure to give/receive	9	236,020	3	3	3	---
529 Flagging, fixed, hand & radio (other)	1	55,000	---	---	1	---
SUBTOTAL.....	39	4,636,585	16	11	12	---
OTHER RULES AND INSTRUCTIONS						
530 Car(s) shoved out & left out of clear	3	30,890	---	---	3	---
531 Cars left foul	22	518,130	4	3	15	---
532 Derail, failure to apply or remove	14	311,551	---	14	---	---
533 Failure to stop train in clear	23	3,517,070	15	3	5	---
535 Instruction to trn/yard crew improper	13	330,083	7	2	4	---
536 Mtr car/on-trk eqp rules, fail to comply	22	1,470,243	6	3	13	---
537 Equip move without authority (RR emp)	8	159,395	5	---	3	---
538 Shoving move, missing man at lead	69	2,352,108	24	25	20	---
539 Shoving movement, fail to control	28	856,774	8	9	11	---
540 Skate, failure to remove or place	2	23,299	---	---	2	---
541 Special op. instr., failure to comply	16	308,211	4	2	10	---
542 Trn ord/timetable auth, fail to comply	1	2,562,829	1	---	---	---
543 Trn ord(radio)err in prep/trans/deliv	1	7,752,969	1	---	---	---
549 Rules and instructions, other	27	3,456,754	12	6	9	---
SUBTOTAL.....	249	23,650,306	87	67	95	---

TABLE 20. (CONTINUED)

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Rail Hwy Crossing
	Accidents	Damage				
SPEED						
550 Coupling speed excessive	20	1,684,835	5	7	8	---
553 Switch movement, excessive speed	10	237,627	2	4	4	---
554 Trn inside yrd limit, excess speed	14	731,585	6	6	2	---
555 Trn out yrd limit,clear blk,excess spd	6	1,662,000	---	6	---	---
559 Other Causes involving excessive speed	16	1,986,174	5	7	4	---
SUBTOTAL.....	66	6,302,221	18	30	18	---
SWITCHES, USE OF						
560 Spring switch not clear before reverse	2	20,300	---	2	---	---
561 Switch improperly lined	85	6,472,285	17	47	21	---
562 Switch not latched or locked	6	103,255	---	6	---	---
563 Switch previously run through	33	826,865	---	31	2	---
569 Use of switches, other	14	447,925	1	12	1	---
SUBTOTAL.....	140	7,870,630	18	98	24	---
MISCELLANEOUS						
570 Buffing or slack action excessive	109	6,823,881	1	107	1	---
571 Failure to couple	7	182,105	1	3	3	---
572 Lateral drawbar force on curve excess	30	977,474	---	30	---	---
574 Passed couplers	33	519,072	---	24	9	---
575 Retarder, improper manual operation	10	175,696	---	4	6	---
576 Retarder yard skate improperly applied	3	31,054	1	---	2	---
599 Other train operation/human factors	24	908,782	4	14	6	---
SUBTOTAL.....	216	9,618,064	7	182	27	---
GRAND TOTAL.....	887	70,813,850	202	456	229	---

TABLE 21. TRAIN ACCIDENTS RESULTING FROM MECHANICAL AND ELECTRICAL FAILURES BY SPECIFIC CAUSE

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Rail Hwy Crossing
	Accidents	Damage				
BRAKES						
400 Air hose uncoupled or burst	6	687,326	---	6	---	---
402 Broken brake pipe or connections	2	384,421	---	2	---	---
404 Other brake component failure, etc.	3	28,533	1	---	2	---
404L Other brake component failure - loco	1	10,250	---	1	---	---
405 Brk valve malf. (undesired emergency)	8	402,710	---	7	1	---
405L Brk valve malf - loco (emergency appl)	1	14,820	---	1	---	---
406 Brake valve malfunction/stuck brake/etc	1	12,650	---	1	---	---
407 Rigging down or dragging	15	1,461,939	---	15	---	---
408 Hand brake/gear broken or defective	2	28,850	---	1	1	---
408L Hand brk/gear broken/defective - loco	2	40,900	---	---	2	---
409 Hand brk linkage/connections failure	3	46,353	1	1	1	---
410 Other brake failure(not on locomotive)	4	227,178	---	3	1	---
SUBTOTAL.....	48	3,345,930	2	38	8	---
TRAILER OR CONTAINER ON FLAT CAR						
411 Broken or defective tiedown equipment	2	23,500	1	---	1	---
SUBTOTAL.....	2	23,500	1	---	1	---
BODY						
421 Center sill broken or bent	5	83,430	---	4	1	---
422 Draft sill broken or bent	3	151,286	---	3	---	---
423 Center plate broken or defective	8	433,400	1	7	---	---
424 Center plate disengaged from truck	3	78,527	---	3	---	---
427 Side sill broken	2	26,100	---	---	2	---
429 Other causes due to body (not loco)	7	540,860	---	5	2	---
SUBTOTAL.....	28	1,313,603	1	22	5	---
COUPLER AND DRAFT SYSTEM						
430 Knuckle broken or defective	11	421,509	1	5	5	---
431 Coupler mismatch, high/low	10	198,573	---	7	3	---
432 Coupler drawhead broken or defective	12	281,273	1	9	2	---
433 Coupler retainer pin/cross key missing	14	2,535,415	---	11	3	---
434 Draft gear/mechanism broken/defective	6	538,307	1	5	---	---
436 Coupler shank broken or defective	2	409,909	---	2	---	---
439 Other coupler and draft system causes	8	175,114	1	7	---	---
439L Other coupler/draft system causes-loco	1	21,200	1	---	---	---
SUBTOTAL.....	64	4,581,300	5	46	13	---
TRUCK COMPONENTS						
440 Side bearing clearance improper	20	2,477,678	---	20	---	---
441 Side bearing(s) broken	1	82,649	---	1	---	---
442 Side bearing(s) missing	1	51,501	---	1	---	---
443 Truck bolster broken	1	13,900	---	1	---	---
445 Truck (stiff/improper lateral)	36	3,753,447	---	36	---	---
446 Defective snubbing	2	697,476	---	2	---	---
447 Broken/missing/defective springs	1	20,712	---	1	---	---
449 Other truck component causes	10	1,809,532	1	9	---	---
SUBTOTAL.....	72	8,906,895	1	71	---	---

TABLE 21. (CONTINUED)

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Rail Hwy Crossing
	Accidents	Damage				
AXLES AND JOURNAL BEARINGS						
450 Broken or bent between wheel seats	3	2,416,123	---	3	---	---
450L Broken/bent between wheel seats-loco	4	2,044,300	---	4	---	---
451 Journal (plain) failure - overheating	13	1,275,795	---	13	---	---
452 Journal (R. B.) failure - overheat	38	7,075,933	---	38	---	---
453 Journal fractured, new cold break	1	43,000	---	1	---	---
459 Axles and journal bearings (other)	4	666,024	---	4	---	---
SUBTOTAL.....	63	13,521,175	---	63	---	---
WHEELS						
460 Broken flange	5	1,421,689	---	5	---	---
461 Broken rim	9	3,400,590	---	9	---	---
462 Broken plate	14	2,649,960	---	14	---	---
463 Broken hub	2	1,010,646	---	2	---	---
464 Worn flange	18	650,984	---	16	2	---
464L Worn flange - locomotive	5	54,256	---	5	---	---
466 Damaged flange or tread, flat	2	1,113,816	---	2	---	---
466L Damaged flange or tread, flat - loco	1	14,050	---	---	1	---
467 Loose wheel	4	402,229	---	4	---	---
468 Thermal crack, flange or tread	2	419,131	---	2	---	---
469 Other causes involving wheels-not loco	12	339,749	2	9	1	---
469L Other causes involving wheel - loco	1	41,600	---	1	---	---
SUBTOTAL.....	75	11,518,700	2	69	4	---
LOCOMOTIVES						
471L Traction motor failure - locomotive	1	9,300	---	1	---	---
472L Crank case/air box explosion - loco	1	12,800	---	---	1	---
473L Oil fire - locomotive	5	594,838	---	---	5	---
474L Electrically caused fire - locomotive	9	2,999,086	---	---	9	---
475L Current collector system - loco	2	35,535	2	---	---	---
479L Other causes involving locomotives	6	292,842	1	3	2	---
SUBTOTAL.....	24	3,944,401	3	4	17	---
DOORS						
481 Box car plug door, attachment defective	1	12,650	1	---	---	---
485 Bottom outlet car door open	1	13,456	---	1	---	---
486 Bottom outlet car door attach defect.	2	201,900	---	2	---	---
489 Other causes involving doors	2	38,550	---	2	---	---
SUBTOTAL.....	6	266,556	1	5	---	---
GENERAL MECHANICAL AND ELECTRICAL FAILURES						
499 General mech/elect failures-not loco	20	595,306	1	5	14	---
499L General mech/elect failures - loco	13	118,702	---	---	13	---
SUBTOTAL.....	33	714,008	1	5	27	---
GRAND TOTAL.....	415	48,136,068	17	323	75	---

TABLE 22. TRAIN ACCIDENTS RESULTING FROM DEFECTS IN TRACK, ROADBED, AND STRUCTURES

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Rail Hwy Crossing
	Accidents	Damage				
ROADBED DEFECTS						
101 Roadbed settled or soft	30	2,218,426	---	30	---	---
102 Washout/rain/slide/ice,etc. dmg to trk	9	2,198,474	---	9	---	---
109 Other roadbed defects	4	74,205	---	2	2	---
SUBTOTAL.....	43	4,491,105	---	41	2	---
TRACK GEOMETRY DEFECTS						
110 Wide gage (defect/missing crossties)	192	5,430,399	---	187	5	---
111 Wide gage (def/missing rail fasteners)	20	1,167,120	---	19	1	---
112 Wide gage (involving gage rods)	5	92,693	---	5	---	---
113 Wide gage due to worn rail	9	302,737	---	9	---	---
114 Track alignment irregular	8	1,162,986	1	7	---	---
115 Track alignment irregular (buckled)	38	6,715,759	---	38	---	---
116 Track profile improper	6	1,063,755	---	5	1	---
117 Superelevation incorrect	10	1,015,240	---	10	---	---
118 Superelevation runoff improper	1	10,845	---	1	---	---
119 Cross level irregular at joints	38	2,330,287	---	37	1	---
120 Cross level irregular not at joints	42	2,611,331	---	42	---	---
129 Other track geometry defects	21	1,963,521	---	20	1	---
SUBTOTAL.....	390	23,866,673	1	380	9	---
RAIL AND JOINT BAR DEFECTS						
130 Bolt hole crack or break	7	2,201,950	---	7	---	---
131 Broken base of rail	35	1,294,737	---	34	1	---
132 Broken weld, field	5	1,665,739	---	5	---	---
134 Detail fracture fm shelling/head check	22	4,452,028	---	21	1	---
135 Engine burn fracture	1	84,700	---	1	---	---
136 Head/web sep.(outside joint bar limit)	27	1,926,479	---	27	---	---
137 Head/web sep.(within joint bar limits)	5	93,081	---	5	---	---
138 Horizontal split head	5	752,293	---	5	---	---
139 Piped rail	2	25,466	---	2	---	---
141 Transverse/compound fissure	48	3,483,038	---	48	---	---
142 Vertical split head	34	2,362,604	---	33	1	---
143 Worn rail	9	223,885	---	8	1	---
144 Mismatched rail-head contour	4	51,024	---	4	---	---
147 Joint bar broken, noninsulated	10	1,349,589	---	10	---	---
148 Joint bolts, broken or missing	2	39,415	---	2	---	---
149 Other rail and joint bar defects	22	2,184,741	---	22	---	---
SUBTOTAL.....	238	22,190,769	---	234	4	---

TABLE 22. (CONTINUED)

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Rail Hwy Crossing
	Accidents	Damage				
FROGS, SWITCHES AND TRACK APPLIANCES						
160	Guard rail loose/broken/etc.	3	80,335	---	3	---
161	Switch damaged/out of adjustment	50	894,505	---	47	3
162	Switch stand failure (hand oper.)	11	222,591	---	11	---
163	Switch connecting/oper. rod fail.	9	265,310	---	8	1
164	Steck rail worn/broken/disconnect	7	249,148	---	7	---
165	Switch point worn or broken	122	3,193,240	---	116	6
166	Switch rod worn/bent/broken/etc.	4	929,010	---	4	---
167	Frog, rigid, worn or broken	4	32,750	---	4	---
169	Frog, self guarded, worn/broken	1	486,000	---	1	---
171	Derail, defective	1	169,900	---	1	---
173	Retarder worn/broken/malfunction	10	131,200	1	1	8
174	Spring/power switch mech. malfunction	11	452,421	1	9	1
175	Retarder yard skate defective	3	33,400	1	---	2
176	Switch out of adjust.(insuf rail anch)	4	192,700	---	4	---
179	Other frog/switches/track appl. causes	15	381,208	---	15	---
	SUBTOTAL.....	255	7,713,718	3	231	21
OTHER WAY AND STRUCTURES						
180	Bridge misalignment or failure	1	9,000	---	1	---
181	Flangeway clogged	1	50,500	---	1	---
189	Other way and structure causes	24	1,107,279	7	2	15
	SUBTOTAL.....	26	1,166,779	7	4	15
SIGNAL AND COMMUNICATION FAILURES						
200	Flx sig. improperly displayed (defect)	2	166,600	---	2	---
201	Radio communication equipment failure	3	61,675	2	1	---
202	Other communication equipment failure	1	21,000	1	---	---
203	Block signal displayed false proceed	1	89,000	1	---	---
208	Automatic train control device inopera	1	11,010	---	1	---
209	Signal & communication failure N.O.C.	8	177,834	2	4	2
	SUBTOTAL.....	16	527,119	6	8	2
	GRAND TOTAL.....	968	59,956,163	17	898	53

TABLE 23. TRAIN ACCIDENTS RESULTING FROM MISCELLANEOUS CAUSES BY SPECIFIC CAUSE

Cause Of Accident	-----Total-----		Collisions	Derailments	Other	Rail Hwy Crossing
	Accidents	Damage				
MISC CAUSES NOT OTHERWISE LISTED						
700 Collision with hwy user at grade xing	156	13,275,120	---	---	---	156
701 Emergency brk appl to avoid accident	6	292,050	---	5	1	---
702 Vandalism	67	6,082,639	1	48	18	---
703 Interference with RR oper.-not vandals	14	4,476,964	3	10	1	---
704 Load shifted	17	872,557	2	11	4	---
705 Load fell from car	3	229,101	---	3	---	---
706 Overloaded car	5	72,455	---	5	---	---
707 Improperly loaded car	20	1,753,234	2	16	2	---
708 Oversized load, misrouted	3	70,000	---	---	3	---
709 Object on or fouling track	27	1,369,156	2	12	13	---
710 Equipment on or fouling track	6	291,510	4	---	2	---
712 Overload/improper loaded container etc	2	359,000	---	---	2	---
713 Interaction of lateral/vertical forces	88	4,712,688	---	87	1	---
714 Failure to control spd with hand brake	3	203,263	---	3	---	---
715 Snow, ice, or mud on track	9	841,590	---	9	---	---
716 Other acts of God	14	2,595,244	1	3	10	---
717 Fire, other than vandalism, involving	4	476,915	---	---	4	---
718 Hump retarder failed to sufficiently s	27	523,832	4	3	20	---
719 Objects such as lading chains or strap	4	59,424	---	2	2	---
799 Other miscellaneous causes	69	5,474,172	6	42	21	---
SUBTOTAL.....	544	44,030,914	25	259	104	156
GRAND TOTAL.....	544	44,030,914	25	259	104	156

TABLE 24. DAMAGES TO RAIL EQUIPMENT IN TRAIN ACCIDENTS BY CONSIST TYPE

Type of consist	....Collisions....		...Derailments....		.....Other.....		..Rail-Hwy X-ing..		.....Total.....	
	Number	Damage	Number	Damage	Number	Damage	Number	Damage	Number	Damage
Freight train....	155	27,181,487	1,362	93,922,448	102	4,011,200	106	8,286,173	1,725	133,401,308
Passenger train..	23	727,386	24	4,236,888	72	5,099,175	29	3,045,313	148	13,108,762
Mixed train.....	---	---	3	468,400	1	130,000	---	---	4	598,400
Work train.....	3	67,300	5	80,080	1	8,500	1	7,000	10	162,880
Single car.....	32	408,464	23	514,613	53	1,210,648	4	158,200	112	2,291,925
Cut of cars.....	73	968,417	78	1,369,522	96	1,307,382	---	---	247	3,645,321
Yard/switching...	145	2,141,026	468	6,684,842	187	2,908,030	2	13,586	802	11,747,484
Light loco(s)....	44	3,274,412	21	363,798	28	908,047	3	49,100	96	4,595,357
Unknown.....	---	---	---	---	---	---	---	---	---	---
Total.....	475	34,768,492	1,984	107,640,591	540	15,582,982	145	11,559,372	3,144	169,551,437

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

4. ACCIDENTS INVOLVING CONSISTS TRANSPORTING HAZARDOUS MATERIALS

The information in this section represents only those accidents involving consists that contained at least one car carrying hazardous materials. The number of accidents, resulting damages, or casualties may or may not be attributable to the presence of these cars in the consists. While this does not represent a complete accounting of all hazardous materials releases, it does provide some insight into the extent of hazardous materials car involvement in train accidents.

TABLE 25. TRAIN ACCIDENTS INVOLVING HAZARDOUS MATERIALS

Type Of Accident	Consists Carrying	Cars				People Evacuated	Damage To Equipment
		In Consist	Containing Hazmat	Damaged W/Hazmat	Releasing Hazmat		
Derailment	396	27,111	3,221	634	71	6,017	35,394,334
Head on collision	5	397	123	10	5	12	4,118,112
Rear end collision	2	222	40	1	---	---	35,120
Side collision	47	2,282	316	40	4	---	1,811,317
Raking collision	10	314	29	8	---	---	3,629,937
Broken train collision	2	297	61	---	---	---	123,000
Hwy-rail crossing	19	1,424	102	6	1	230	1,669,776
RR grade crossing	---	---	---	---	---	---	---
Obstruction	7	443	27	---	---	---	413,510
Explosion-detonation	---	---	---	---	---	---	---
Fire or violent rupture	2	187	12	---	---	---	19,200
Other	55	2,351	234	52	3	200	2,117,987
Total	545	35,028	4,165	751	84	6,459	49,332,293

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 Evacuation
1986	364	185	51	32
1987	352	186	50	28
1988	475	237	44	32
1989	517	251	55	28
1990	466	236	35	20
1991	525	293	47	28

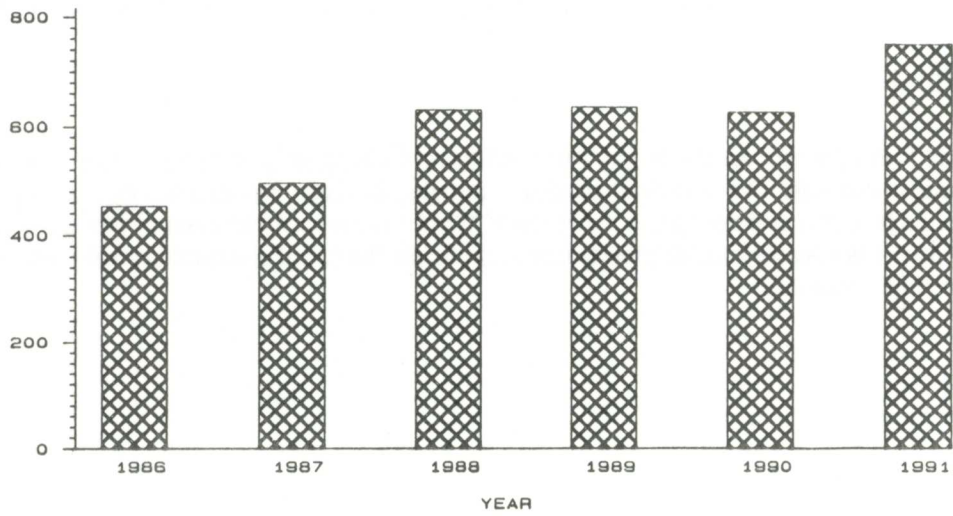


FIGURE 22. TOTAL NUMBER OF HAZARDOUS MATERIAL CARS DAMAGED

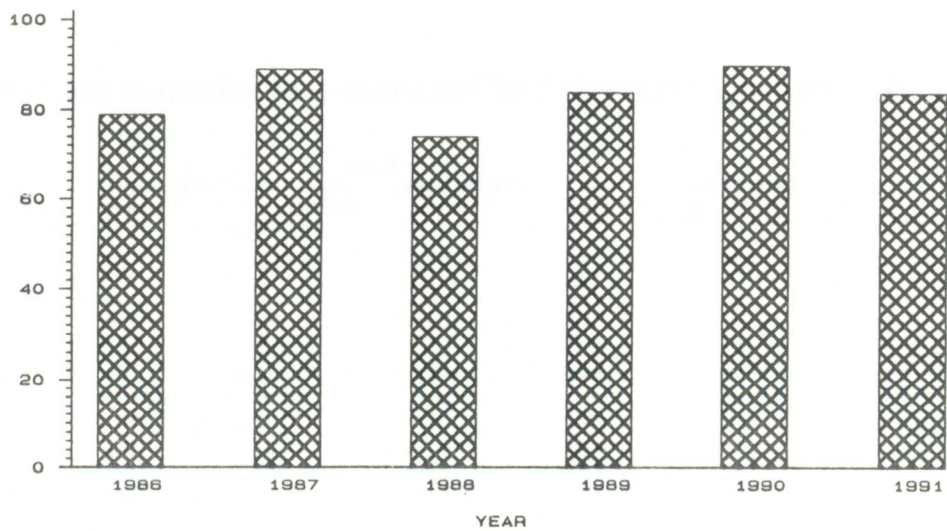


FIGURE 23. TOTAL NUMBER OF CARS RELEASING HAZARDOUS MATERIALS BY YEAR

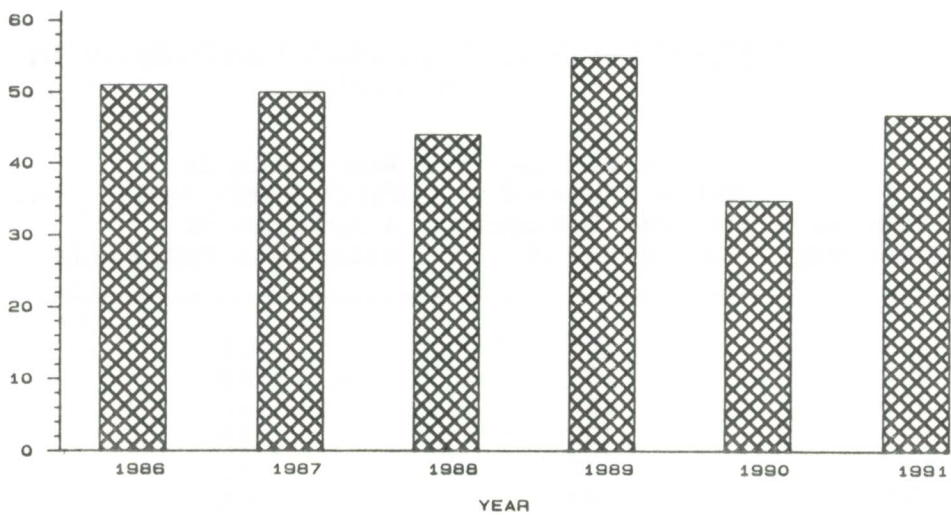


FIGURE 23A. TOTAL NUMBER OF ACCIDENTS IN WHICH THERE WAS A RELEASE OF HAZARDOUS MATERIALS

TABLE 27. TRAIN ACCIDENTS INVOLVING HAZARDOUS MATERIALS BY CAUSE

Cause	Consists Carrying	Cars.....			Releasing Hazmat	People Evacuated	Damage To Equipment
		In Consist	Containing Hazmat	Damaged W/Hazmat			
TRACK, ROADBED AND STRUCTURES							
Roadbed defects	7	237	25	10	1	---	1,586,588
Track geometry defects	73	4,818	683	131	5	995	3,933,366
Rail and joint bar defects	46	2,970	408	127	16	50	4,613,764
Frogs, switches and track appliances	51	3,281	383	67	2	50	1,561,945
Other way and structure	1	74	.1	1	---	---	5,800
Signal and communication failures	6	314	56	3	---	---	210,900
Subtotal.....	184	11,694	1,556	339	24	1,095	11,912,363
MECHANICAL AND ELECTRICAL FAILURES							
Brakes	10	793	53	7	5	815	1,238,586
Trailer or container on flat car	1	30	1	---	---	---	14,500
Body	5	344	12	2	---	---	422,276
Coupler and draft system	20	1,804	146	10	1	---	1,170,071
Truck components	22	1,509	280	39	5	600	1,520,281
Axles and journal bearings	20	1,508	203	50	19	525	4,307,221
Wheels	15	1,214	136	16	4	212	3,213,277
Locomotives	2	193	10	---	---	---	90,800
Doors	1	77	1	1	---	---	177,650
General mechanical and electrical failures	---	---	---	---	---	---	---
Subtotal.....	96	7,472	842	125	34	2,152	12,154,662
TRAIN OPERATION - HUMAN FACTORS							
Brakes, use of	46	2,211	202	61	9	16	4,838,523
Employee physical condition	2	135	4	---	---	---	3,379,387
Flagging, fixed, hand and radio signals	3	221	100	5	2	12	453,162
Other rules and instructions	50	2,207	334	52	4	200	4,048,766
Speed	12	813	66	13	---	---	326,353
Switches, use of	18	1,145	125	13	---	30	213,390
Miscellaneous	41	2,966	364	43	4	---	1,185,911
Subtotal.....	172	9,698	1,195	187	19	258	14,445,492
MISCELLANEOUS FACTORS							
Collision with highway user at crossing site	19	1,424	102	6	1	230	1,669,776
Emergency brake application to avoid accident	2	299	20	2	---	---	108,500
Vandalism	15	888	75	11	---	4	3,807,441
Interference with rr operation, not vandals	2	137	11	3	---	2,300	639,686
Load shifted	5	402	13	3	---	100	416,138
Load fell from car	1	55	21	5	1	---	176,700
Overloaded car	1	30	1	1	---	---	11,680
Improperly loaded car	3	130	40	1	---	---	137,700
Oversized load, misrouted	---	---	---	---	---	---	---
Object on or fouling track	6	415	25	1	1	---	635,500
Equipment on or fouling track	---	---	---	---	---	---	---
Trail/container tiedown eqp impr applied	---	---	---	---	---	---	---
Overload/improper loaded container etc.	---	---	---	---	---	---	---
Interaction of lateral/vertical forces	20	1,325	204	40	3	---	1,408,450
Failure to control car spd with hand brk	---	---	---	---	---	---	---
Snow, ice, or mud on track	1	9	1	---	---	---	8,122
Other acts of God	2	128	5	1	---	---	1,022,920
Fire, not due to vandalism	---	---	---	---	---	---	---
Hump retarder failed to slow car	7	116	7	6	---	---	135,100
Switch fouled by lading chains, etc.	---	---	---	---	---	---	---
Other causes	9	806	47	20	1	320	642,063
Subtotal.....	93	6,164	572	100	7	2,954	10,819,776
GRAND TOTAL.....	545	35,028	4,165	751	84	6,459	49,332,293

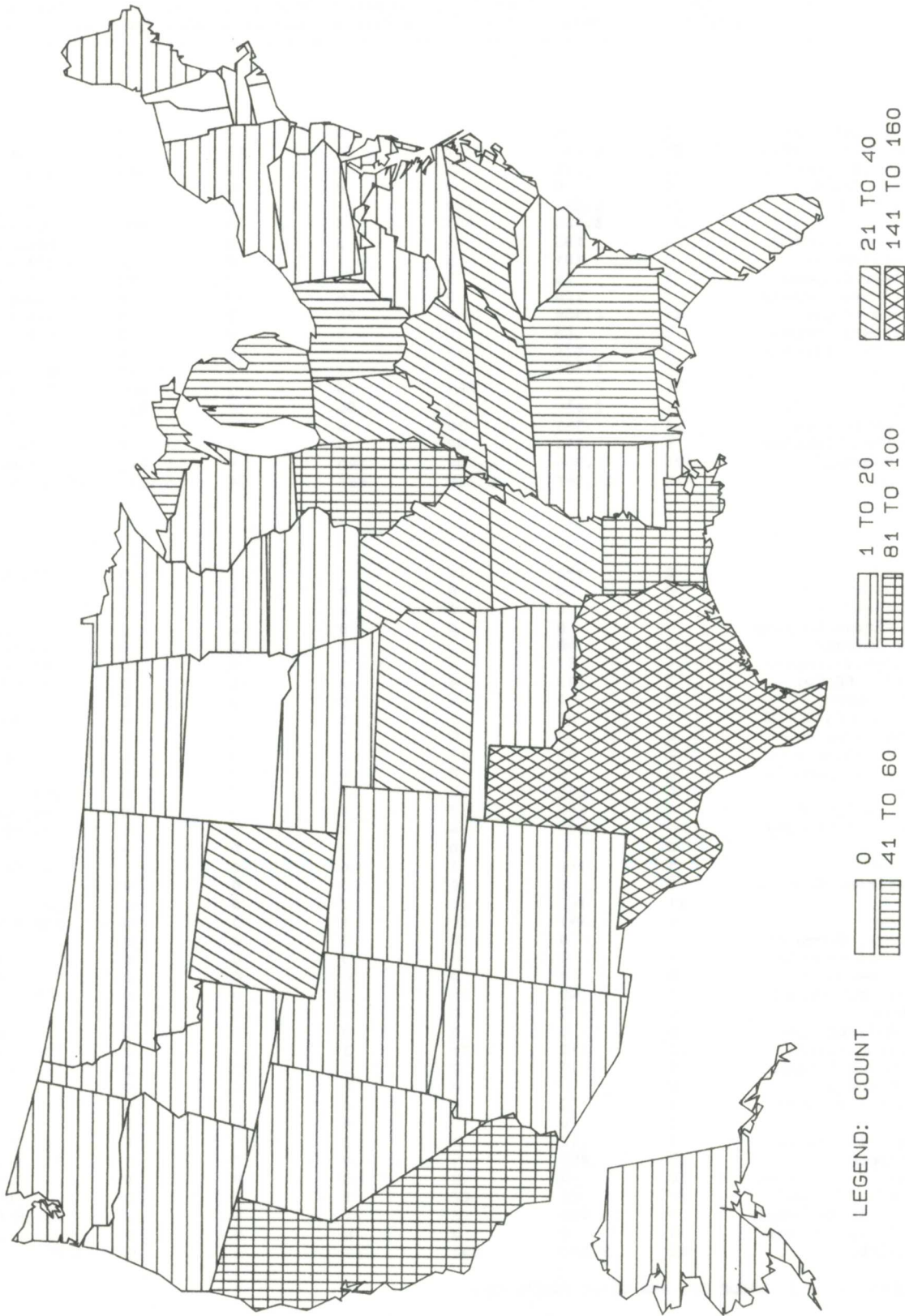
TABLE 28. TRAIN ACCIDENTS INVOLVING HAZARDOUS MATERIALS BY STATE

State	Consists Carrying	Cars			Releasing Hazmat	People Evacuated	Damage To Equipment
		In Consist	Containing Hazmat	Damaged W/Hazmat			
Alabama.....	6	298	34	3	1	20	131,362
Alaska.....	---	---	---	---	---	---	---
Arizona.....	9	503	37	6	---	500	146,280
Arkansas.....	17	1,261	111	24	---	---	1,269,628
California.....	27	1,473	106	37	3	300	3,191,138
Colorado.....	3	216	28	---	---	---	1,020,940
Connecticut.....	---	---	---	---	---	---	---
Delaware.....	---	---	---	---	---	---	---
Dist of Columbia.....	---	---	---	---	---	---	---
Florida.....	7	574	76	8	3	50	1,101,962
Georgia.....	5	305	17	4	---	---	50,855
Idaho.....	7	411	39	16	2	---	753,260
Illinois.....	36	2,196	279	50	3	50	1,537,145
Indiana.....	18	1,196	186	24	6	882	1,798,016
Iowa.....	11	894	59	6	---	100	1,234,770
Kansas.....	10	372	20	13	---	---	245,260
Kentucky.....	10	841	124	23	2	2,650	1,337,270
Louisiana.....	38	2,179	605	68	1	---	1,000,410
Maine.....	5	167	36	8	---	---	203,000
Maryland.....	5	367	33	11	---	---	61,295
Massachusetts.....	1	75	1	---	---	---	69,131
Michigan.....	5	206	12	6	---	---	240,122
Minnesota.....	15	1,177	149	16	---	400	1,191,069
Mississippi.....	9	828	41	8	---	---	469,770
Missouri.....	21	1,496	115	28	12	665	3,402,090
Montana.....	15	1,019	60	10	1	---	2,011,575
Nebraska.....	8	774	93	7	2	---	515,800
Nevada.....	3	167	32	12	---	---	121,000
New Hampshire.....	---	---	---	---	---	---	---
New Jersey.....	2	43	41	8	---	---	30,000
New Mexico.....	12	821	66	12	---	---	344,230
New York.....	12	660	102	20	---	---	208,572
North Carolina.....	14	966	121	17	---	---	1,326,240
North Dakota.....	6	417	63	3	---	---	856,720
Ohio.....	15	1,293	186	30	1	230	946,632
Oklahoma.....	12	684	63	29	3	137	1,078,612
Oregon.....	19	1,058	50	16	3	---	5,336,550
Pennsylvania.....	15	807	170	37	6	100	387,044
Rhode Island.....	---	---	---	---	---	---	---
South Carolina.....	2	74	4	1	---	---	932,871
South Dakota.....	1	66	1	1	1	---	47,500
Tennessee.....	26	1,896	188	19	2	25	873,063
Texas.....	67	4,124	547	119	28	46	7,194,427
Utah.....	5	180	24	4	---	---	74,744
Vermont.....	---	---	---	---	---	---	---
Virginia.....	6	446	27	3	2	---	192,750
Washington.....	14	709	104	16	1	304	4,166,418
West Virginia.....	3	191	25	9	---	---	75,800
Wisconsin.....	10	681	32	6	---	---	189,322
Wyoming.....	13	917	58	13	1	---	1,967,650
Unknown.....	---	---	---	---	---	---	---
TOTAL.....	545	35,028	4,165	751	84	6,459	49,332,293

TABLE 29. TRAIN ACCIDENTS INVOLVING HAZARDOUS MATERIALS BY RAILROAD

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 (National RR Passenger Corp.)	0	0	0	0	0	0	0
Atchison, Topeka and Santa Fe Railway	39	2,259	187	54	13	0	2,426,625
Burlington Northern Railroad Company	62	3,795	435	86	22	444	11,508,740
Chicago and North Western Transport.	0	0	0	0	0	0	0
Consolidated Rail Corporation	32	2,347	309	71	6	30	1,160,949
CSX Transportation	51	3,964	461	75	9	3,590	5,225,272
Delaware and Hudson Railway Company	4	153	31	5	0	0	140,642
Denver and Rio Grande Western RR	2	101	5	1	0	0	1,018,920
Florida East Coast Railway Company	1	76	3	0	0	50	32,500
Grand Trunk Western Railroad Company	2	108	7	4	0	0	68,500
Illinois Central Railroad Company	37	2,989	444	69	3	50	2,265,712
Kansas City Southern Railway Company	2	55	9	9	0	0	199,700
Louisiana & Arkansas Railway Company	2	179	13	5	0	0	66,080
Norfolk Southern Corporation	18	1,231	205	17	3	162	867,957
Soo Line Railroad Company	33	2,560	261	25	0	500	2,516,321
Southern Pacific Transportation Co.	51	2,630	190	86	10	830	8,692,889
St. Louis Southwestern Railway Co.	5	353	36	8	1	16	212,050
Springfield Terminal Railway Company	6	242	37	8	0	0	272,131
Union Pacific Railroad Company	102	6,905	1,002	140	9	662	7,298,045
Total Class I Railroads.....	449	29,947	3,635	663	76	6,334	43,973,033
GROUP II RAILROADS **							
Alton & Southern Railroad	2	124	17	1	0	0	32,350
Alaska Railroad Corporation	0	0	0	0	0	0	0
Bangor and Aroostook Railroad	0	0	0	0	0	0	0
Bessemer & Lake Erie Railroad Company	0	0	0	0	0	0	0
Belt Railway Company Of Chicago	2	40	2	1	0	0	70,100
Birmingham Southern Railroad Company	1	37	6	1	0	0	58,062
Chicago, Central & Pacific RR Co.	2	145	4	2	0	0	30,479
Cuyahoga Valley Railway Company	0	0	0	0	0	0	0
Dakota, Minnesota & Eastern Railroad	1	66	1	1	1	0	47,500
Duluth, Missabe and Iron Range Rwy	0	0	0	0	0	0	0
Elgin, Joliet and Eastern Railway Co.	2	88	15	2	0	0	6,500
Fox River Valley Railroad Corporation	0	0	0	0	0	0	0
Gateway Western Railway	4	204	22	7	1	0	245,680
Houston Belt & Terminal Railway Co.	4	150	37	4	0	0	46,300
Indiana Harbor Belt Railroad Company	4	323	14	3	0	0	87,023
Long Island Rail Road	0	0	0	0	0	0	0
Monongahela Railway Company	1	112	3	0	0	0	14,500
Metro North Commuter Railroad Company	0	0	0	0	0	0	0
Montana Rail Link	11	768	33	2	0	0	1,580,875
Midsouth Rail Corporation	6	691	30	1	0	0	123,834
Northern Indiana Transport. Commuter	0	0	0	0	0	0	0
Northeast Illinois Regional Commuter	0	0	0	0	0	0	0
New Jersey Transit Rail Operations	0	0	0	0	0	0	0
Paducah & Louisville Railway Company	1	40	23	3	0	0	31,050
Port Authority Trans Hudson	0	0	0	0	0	0	0
Pittsburgh & Lake Erie Railroad Co.	0	0	0	0	0	0	0
Port Terminal Railroad Association	7	310	31	3	1	0	104,224
Richmond, Fredericksburg and Potomac	1	77	2	2	2	0	85,400
River Terminal Railway Company	0	0	0	0	0	0	0
Southeastern Pennsylvania Transport.	0	0	0	0	0	0	0
Southern Pacific, Chicago-St. Louis	1	42	3	2	1	0	19,000
Texas Mexican Railway Company	3	200	4	0	0	0	332,150
Terminal Railroad Assoc. of St. Louis	0	0	0	0	0	0	0
Union Railroad Company (Pittsburgh)	1	28	27	1	0	0	500
Wisconsin Central Ltd. (also Railway)	9	430	18	1	0	0	131,550
Wheeling & Lake Erie Railway Company	0	0	0	0	0	0	0
TOTAL GROUP II RAILROADS.....	63	3,875	292	37	6	0	3,047,077
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)							
Class I Railroads	449	29,947	3,635	663	76	6,334	43,973,033
Group II Railroads **	63	3,875	292	37	6	0	3,047,077
All Other Railroads	33	1,206	238	51	2	125	2,312,183
Total All Railroads	545	35,028	4,165	751	84	6,459	49,332,293

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



Note: Any unintentional release of hazardous material that occurred in connection with its transport by rail is reportable to the Materials Transportation Bureau. This includes packaging failures to inner containers, such as steel drums, boxes, cylinders, etc., where the material did not escape from the railroad car.

FIGURE 24. ALL HAZARDOUS MATERIAL RELEASES, MATERIALS TRANSPORTATION BUREAU

5. ACCIDENTS AND CASUALTIES BY STATE

TABLE 30. TRAIN ACCIDENTS BY STATE AND TYPE

State	...Collisions...		...Derailments...		.....Other.....		..Rail-Hwy X-ing..		.....Total.....	
	Number	Damage	Number	Damage	Number	Damage	Number	Damage	Number	Damage
Alabama.....	5	95,776	23	727,600	4	84,225	6	142,431	38	1,050,032
Alaska.....	---	---	3	186,188	---	---	---	---	3	186,188
Arizona.....	---	---	26	880,028	4	234,221	---	---	30	1,114,249
Arkansas.....	5	76,860	58	4,933,764	9	138,009	10	2,207,950	82	7,356,583
California.....	10	825,702	119	8,293,088	24	648,335	10	237,406	163	10,004,531
Colorado.....	1	581,375	11	576,698	5	1,390,302	3	42,690	20	2,591,065
Connecticut.....	3	137,947	7	267,730	8	578,180	1	9,091	19	992,948
Delaware.....	1	61,046	---	---	---	---	---	---	1	61,046
Dist of Columbia.....	---	---	3	137,879	2	39,354	---	---	5	177,233
Florida.....	3	859,750	38	4,519,201	7	196,920	5	119,325	53	5,695,196
Georgia.....	9	1,031,853	27	1,268,190	8	186,091	4	299,612	48	2,785,746
Idaho.....	1	24,500	29	3,521,457	5	61,050	1	15,000	36	3,622,007
Illinois.....	31	1,403,410	152	6,935,947	47	1,986,351	9	1,779,004	239	12,104,712
Indiana.....	7	1,129,212	45	2,625,524	6	80,443	8	944,113	66	4,779,292
Iowa.....	7	167,856	46	4,446,326	13	238,366	6	697,915	72	5,550,463
Kansas.....	6	2,136,142	59	6,136,831	13	250,785	3	34,242	81	8,558,000
Kentucky.....	3	136,000	19	3,498,920	2	19,850	4	752,894	28	4,407,664
Louisiana.....	8	219,037	56	2,056,749	7	226,460	3	36,162	74	2,538,408
Maine.....	3	120,300	14	532,304	---	---	3	96,897	20	749,501
Maryland.....	9	2,953,740	15	199,415	7	2,471,444	2	39,500	33	5,664,099
Massachusetts.....	---	---	11	433,837	2	49,000	---	---	13	482,837
Michigan.....	1	235,600	43	1,077,606	4	102,100	2	89,564	50	1,504,870
Minnesota.....	15	880,571	99	7,218,083	9	150,988	5	610,334	128	8,859,976
Mississippi.....	2	20,330	21	939,070	1	350,000	3	203,500	27	1,512,900
Missouri.....	6	682,396	71	7,633,826	16	408,616	6	223,200	99	8,948,038
Montana.....	5	7,983,930	40	5,706,171	8	289,387	2	723,249	55	14,702,737
Nebraska.....	5	160,293	35	6,319,506	34	991,329	5	96,085	79	7,567,213
Nevada.....	---	---	11	524,130	2	32,250	---	---	13	556,380
New Hampshire.....	---	---	---	---	---	---	---	---	---	---
New Jersey.....	4	83,150	16	596,529	34	1,125,556	1	10,019	55	1,815,254
New Mexico.....	3	292,725	22	981,429	3	75,000	1	50,000	29	1,399,154
New York.....	14	538,556	51	1,875,465	28	1,723,290	6	193,345	99	4,330,656
North Carolina.....	4	101,345	17	1,522,398	7	179,550	6	1,412,050	34	3,215,343
North Dakota.....	5	142,742	18	2,786,783	2	135,250	---	---	25	3,064,775
Ohio.....	4	526,500	59	3,746,709	5	63,476	9	1,096,747	77	5,433,432
Oklahoma.....	2	40,500	41	4,968,770	7	261,548	3	277,960	53	5,548,778
Oregon.....	2	3,559,587	48	8,065,346	13	268,155	1	22,600	64	11,915,688
Pennsylvania.....	8	434,209	74	4,819,498	7	144,050	4	75,886	93	5,473,643
Rhode Island.....	---	---	---	---	1	14,700	---	---	1	14,700
South Carolina.....	3	2,550,000	9	2,864,106	---	---	2	62,766	14	5,476,872
South Dakota.....	---	---	32	1,626,475	1	9,000	---	---	33	1,635,475
Tennessee.....	3	156,300	41	1,609,680	15	625,687	1	8,475	60	2,400,142
Texas.....	26	3,156,214	205	16,870,482	48	1,307,505	12	531,756	291	21,865,957
Utah.....	5	271,780	24	1,145,726	5	81,625	---	---	34	1,499,131
Vermont.....	---	---	2	97,614	---	---	---	---	2	97,614
Virginia.....	5	252,187	46	1,303,648	3	28,894	1	32,000	55	1,616,729
Washington.....	8	257,450	46	9,353,628	24	524,290	1	17,747	79	10,153,115
West Virginia.....	4	74,000	22	1,131,441	2	32,300	2	29,541	30	1,267,282
Wisconsin.....	11	202,465	55	3,425,666	5	82,116	5	54,064	76	3,764,311
Wyoming.....	4	3,358,336	27	2,702,496	4	764,198	---	---	35	6,825,030
Unknown.....	---	---	---	---	---	---	---	---	---	---
TOTAL.....	261	37,921,672	1,936	153,089,957	461	18,650,246	156	13,275,120	2,814	222,936,995

TABLE 31. TRAIN ACCIDENTS BY STATE AND CAUSE

State	Track		Equipment		Human Factors		Miscellaneous		Total	
	Number	Damage	Number	Damage	Number	Damage	Number	Damage	Number	Damage
Alabama	11	381,619	6	143,526	11	239,025	10	285,862	38	1,050,032
Alaska	2	41,000	1	145,188	---	---	---	---	3	186,188
Arizona	11	235,783	9	280,665	6	353,301	4	244,500	30	1,114,249
Arkansas	28	1,003,364	12	1,230,935	19	1,569,563	23	3,552,721	82	7,356,583
California	50	3,145,382	20	2,801,061	54	2,733,048	39	1,325,040	163	10,004,531
Colorado	7	490,438	2	30,000	6	902,897	5	1,167,730	20	2,591,065
Connecticut	9	583,310	2	34,944	7	365,603	1	9,091	19	992,948
Delaware	1	61,046	---	---	---	---	---	---	1	61,046
Dist of Columbia	2	67,977	1	14,300	1	81,602	1	13,354	5	177,233
Florida	19	864,998	7	929,546	17	2,534,767	10	1,365,885	53	5,695,196
Georgia	13	800,472	10	166,843	15	1,365,737	10	452,694	48	2,785,746
Idaho	10	2,083,105	5	366,509	13	559,521	8	612,872	36	3,622,007
Illinois	85	3,459,938	22	2,692,647	87	2,757,517	45	3,194,610	239	12,104,712
Indiana	18	1,887,478	6	109,600	22	1,462,261	20	1,319,953	66	4,779,292
Iowa	22	1,661,719	10	1,573,797	28	1,077,862	12	1,237,085	72	5,550,463
Kansas	20	2,774,827	18	2,176,891	32	2,923,554	11	682,728	81	8,558,000
Kentucky	9	676,000	6	550,100	5	177,550	8	3,004,014	28	4,407,664
Louisiana	33	1,184,074	5	289,149	27	870,821	9	194,364	74	2,538,408
Maine	4	187,800	3	170,509	5	156,471	8	234,721	20	749,501
Maryland	10	162,814	10	2,485,908	6	2,841,928	7	173,449	33	5,664,099
Massachusetts	4	263,324	2	11,164	4	102,303	3	106,046	13	482,837
Michigan	13	234,857	10	616,800	13	129,849	14	523,364	50	1,504,870
Minnesota	65	5,606,630	9	489,697	32	1,189,291	22	1,574,358	128	8,859,976
Mississippi	13	525,380	3	91,830	4	262,830	7	632,860	27	1,512,900
Missouri	26	2,013,229	15	3,952,644	30	1,677,924	28	1,304,241	99	8,948,038
Montana	15	2,598,681	14	2,412,170	17	8,330,767	9	1,361,119	55	14,702,737
Nebraska	23	3,092,574	16	2,920,542	26	1,290,486	14	263,611	79	7,567,213
Nevada	3	123,440	2	270,949	5	90,348	3	71,643	13	556,380
New Hampshire	---	---	---	---	---	---	---	---	---	---
New Jersey	15	424,522	27	503,141	6	382,986	7	504,605	55	1,815,254
New Mexico	13	754,571	5	169,133	6	359,175	5	116,275	29	1,399,154
New York	29	631,272	16	1,746,871	34	1,212,545	20	739,968	99	4,330,656
North Carolina	9	461,386	5	787,210	10	450,797	10	1,515,950	34	3,215,343
North Dakota	10	1,111,331	5	972,294	7	280,432	3	700,718	25	3,064,775
Ohio	30	1,204,469	7	1,930,677	19	510,891	21	1,787,395	77	5,433,432
Oklahoma	23	1,201,677	8	1,642,863	13	1,140,204	9	1,564,034	53	5,548,778
Oregon	16	968,151	9	3,677,479	25	6,713,705	14	556,353	64	11,915,688
Pennsylvania	33	1,226,533	16	1,318,368	27	2,437,678	17	491,064	93	5,473,643
Rhode Island	---	---	---	---	---	---	---	---	---	---
South Carolina	4	58,550	1	10,600	4	2,747,621	5	2,660,101	14	5,476,872
South Dakota	27	1,527,577	2	49,150	4	58,748	---	---	33	1,635,475
Tennessee	25	1,185,408	8	232,021	19	790,250	8	192,463	60	2,400,142
Texas	111	6,988,370	31	3,394,712	113	10,275,662	36	1,207,213	291	21,865,957
Utah	7	168,013	5	659,795	19	606,298	3	65,025	34	1,499,131
Vermont	2	97,614	---	---	---	---	---	---	2	97,614
Virginia	18	562,532	9	454,542	19	474,668	9	124,987	55	1,616,729
Washington	20	1,978,293	13	3,064,164	31	867,080	15	4,243,578	79	10,153,115
West Virginia	11	559,135	6	238,782	7	248,124	6	221,241	30	1,267,282
Wisconsin	29	1,420,642	10	162,324	19	378,614	18	1,802,731	76	3,764,311
Wyoming	10	1,214,858	6	164,028	13	4,831,546	6	614,598	35	6,825,030
Unknown	---	---	---	---	---	---	---	---	---	---
TOTAL	968	59,956,163	415	48,136,068	887	70,813,850	544	44,030,914	2,814	222,936,995

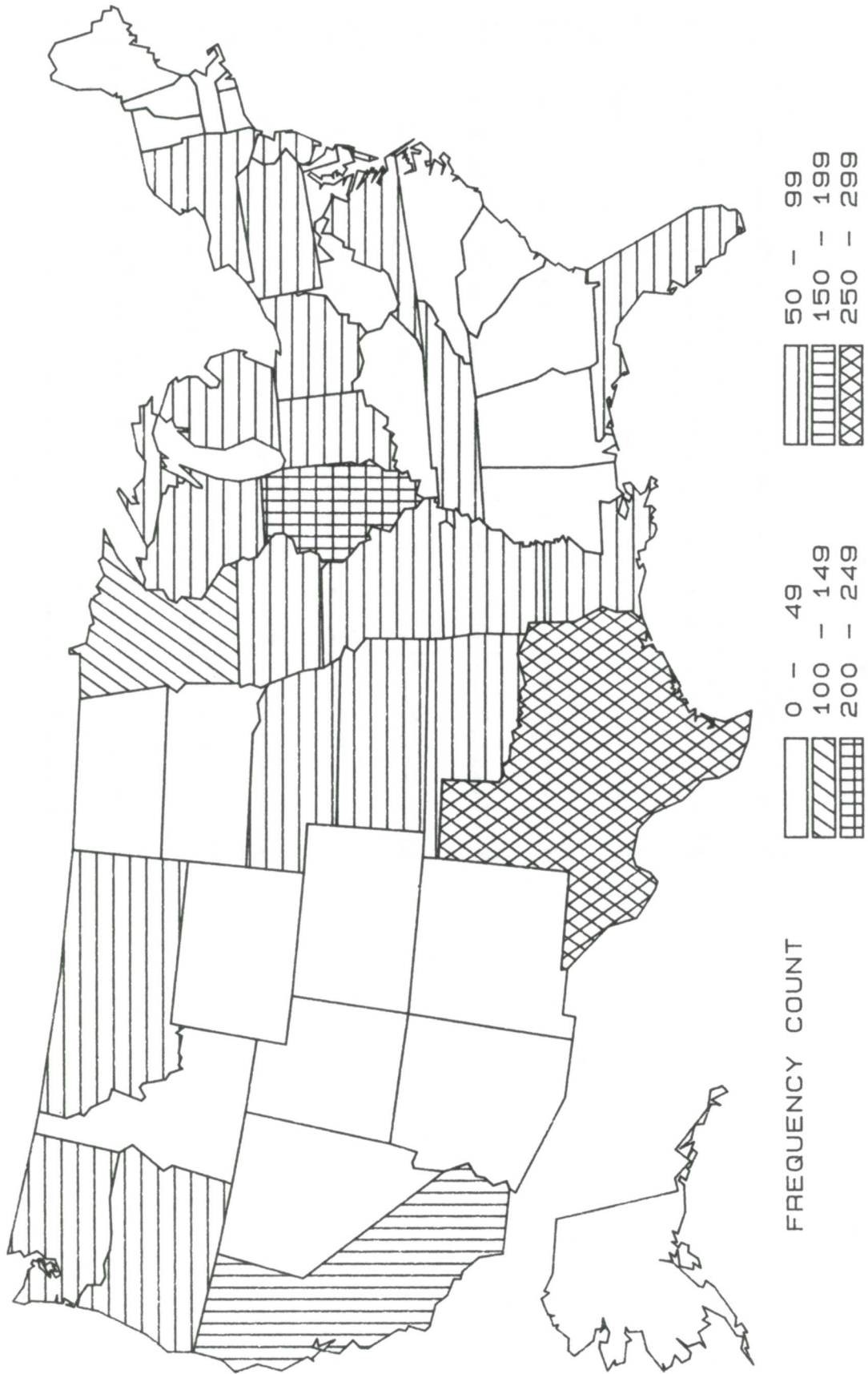


FIGURE 25. TRAIN ACCIDENTS BY STATE

TABLE 32. TRAIN ACCIDENTS BY STATE AND MONTH

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Alabama.....	3	3	4	3	1	5	2	2	4	5	4	2	38
Alaska.....	---	---	---	2	---	---	---	---	---	---	---	1	3
Arizona.....	1	2	4	2	1	3	2	5	1	1	5	3	30
Arkansas.....	6	4	9	17	7	7	2	6	9	5	7	3	82
California.....	7	9	23	10	18	19	14	16	16	17	9	5	163
Colorado.....	3	2	1	---	1	1	1	---	5	2	1	3	20
Connecticut.....	3	---	1	1	2	2	3	2	---	2	2	1	19
Delaware.....	---	---	---	---	---	---	---	1	---	---	---	---	1
Dist of Columbia.....	1	---	---	1	---	1	---	---	1	---	---	1	5
Florida.....	7	3	1	3	5	3	3	4	1	10	2	11	53
Georgia.....	7	3	2	4	3	3	4	2	3	2	4	11	48
Idaho.....	2	1	6	2	2	5	3	3	3	1	6	2	36
Illinois.....	14	20	28	21	23	16	17	20	14	15	23	28	239
Indiana.....	7	3	3	5	1	7	5	8	6	12	6	3	66
Iowa.....	3	3	6	7	8	8	12	3	4	9	6	3	72
Kansas.....	8	6	6	4	6	9	7	8	10	3	7	7	81
Kentucky.....	1	3	6	3	---	4	---	2	3	2	3	1	28
Louisiana.....	1	4	8	4	9	14	3	10	8	5	5	3	74
Maine.....	2	1	1	---	2	4	1	1	2	3	2	1	20
Maryland.....	5	1	---	2	3	3	7	2	3	3	4	---	33
Massachusetts.....	---	---	1	---	1	5	2	1	---	2	1	---	13
Michigan.....	1	3	6	7	7	3	2	8	1	5	4	3	50
Minnesota.....	9	3	9	8	11	2	14	19	13	13	14	13	128
Mississippi.....	3	5	1	---	1	4	4	2	1	1	1	4	27
Missouri.....	12	13	12	8	3	10	7	7	7	5	5	10	99
Montana.....	6	6	5	6	6	5	4	4	1	4	5	3	55
Nebraska.....	4	5	10	5	11	9	9	5	4	11	2	4	79
Nevada.....	1	---	1	---	2	---	---	---	3	2	3	1	13
New Hampshire.....	---	---	---	---	---	---	---	---	---	---	---	---	---
New Jersey.....	5	6	---	5	7	4	10	---	5	7	4	2	55
New Mexico.....	3	---	---	5	3	3	2	5	3	3	1	1	29
New York.....	7	7	10	5	8	14	6	18	4	3	7	10	99
North Carolina.....	3	3	3	2	3	5	1	3	5	2	2	2	34
North Dakota.....	3	3	2	2	---	---	3	---	---	2	2	6	25
Ohio.....	6	8	4	9	5	5	8	8	3	7	7	7	77
Oklahoma.....	7	3	4	6	3	6	6	6	3	5	2	2	53
Oregon.....	10	2	4	7	6	4	3	5	8	4	7	4	64
Pennsylvania.....	8	4	9	4	5	8	18	12	2	8	6	9	93
Rhode Island.....	---	---	---	---	---	---	1	---	---	---	---	---	1
South Carolina.....	2	---	---	1	1	3	2	1	---	---	2	2	14
South Dakota.....	1	---	1	2	1	6	8	4	1	3	4	2	33
Tennessee.....	6	4	6	2	3	8	4	10	7	5	4	1	60
Texas.....	24	23	27	26	23	27	33	24	17	22	20	25	291
Utah.....	5	1	2	---	4	2	5	6	3	3	1	2	34
Vermont.....	---	---	---	---	---	---	---	1	---	1	---	---	2
Virginia.....	1	4	4	6	5	6	8	5	2	7	4	3	55
Washington.....	7	6	7	9	6	6	7	4	3	7	6	11	79
West Virginia.....	5	2	4	3	2	1	1	3	1	3	1	4	30
Wisconsin.....	6	6	4	7	11	5	6	10	2	2	6	11	76
Wyoming.....	5	5	1	3	2	2	6	1	2	---	5	3	35
Unknown.....	---	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL.....	231	190	246	229	234	267	266	267	194	234	222	234	2,814

TABLE 33. CASUALTIES BY STATE AND CLASS OF ACCIDENT/INCIDENT

State	.....Train Accidents.....			.....Train Incidents.....			...Nontrain Incidents...			.....Total.....		
	Killed	Injured	Illness	Killed	Injured	Illness	Killed	Injured	Illness	Killed	Injured	Illness
Alabama.....	3	2	---	30	103	---	---	182	1	33	287	1
Alaska.....	---	---	---	3	11	---	---	68	1	3	79	1
Arizona.....	---	1	---	13	51	1	---	114	---	13	166	1
Arkansas.....	2	12	---	26	101	---	---	326	9	28	439	9
California.....	1	68	9	107	379	5	1	880	39	109	1,327	53
Colorado.....	3	6	---	7	84	---	2	291	3	12	381	3
Connecticut.....	---	1	1	4	19	4	---	154	3	4	174	8
Delaware.....	---	---	---	2	10	---	---	77	1	2	87	1
Dist of Columbia.....	---	---	---	3	11	---	---	90	---	3	101	---
Florida.....	1	20	---	46	114	1	2	182	2	49	316	3
Georgia.....	---	10	---	53	122	1	3	260	---	56	392	1
Idaho.....	---	1	---	10	70	4	---	157	8	10	228	12
Illinois.....	3	43	---	88	341	6	4	1,350	14	95	1,734	20
Indiana.....	2	15	---	46	163	2	---	451	3	48	629	5
Iowa.....	1	8	---	10	124	2	2	491	38	13	623	40
Kansas.....	1	7	---	10	118	1	2	388	16	13	513	17
Kentucky.....	2	2	---	13	60	1	---	277	5	15	339	6
Louisiana.....	---	5	---	16	229	4	1	209	4	17	443	8
Maine.....	1	3	---	1	7	---	---	75	1	2	85	1
Maryland.....	---	9	---	2	27	---	---	145	4	2	181	4
Massachusetts.....	---	2	---	7	43	---	---	223	2	7	268	2
Michigan.....	---	5	---	29	139	---	---	386	5	29	530	5
Minnesota.....	1	6	---	18	135	---	---	551	23	19	692	23
Mississippi.....	---	2	---	30	103	---	---	81	1	30	186	1
Missouri.....	2	8	---	27	140	2	1	518	55	30	666	57
Montana.....	3	15	---	3	61	3	---	282	18	6	358	21
Nebraska.....	1	8	---	25	125	---	3	786	104	29	919	104
Nevada.....	---	1	---	1	26	---	2	52	---	3	79	---
New Hampshire.....	---	---	---	---	---	---	---	5	---	---	5	---
New Jersey.....	---	8	---	27	82	4	2	698	11	29	788	15
New Mexico.....	---	5	---	5	40	---	1	68	1	6	113	1
New York.....	2	24	2	33	203	12	2	2,009	46	37	2,236	60
North Carolina.....	1	3	---	35	89	---	---	123	1	36	215	1
North Dakota.....	---	8	---	3	40	2	---	150	5	3	198	7
Ohio.....	---	5	---	78	235	4	1	515	7	79	755	11
Oklahoma.....	3	6	---	33	123	---	---	211	39	36	340	39
Oregon.....	1	7	---	8	120	4	1	254	11	10	381	15
Pennsylvania.....	---	11	---	30	178	5	1	960	15	31	1,149	20
Rhode Island.....	---	---	---	---	1	---	---	13	---	---	14	---
South Carolina.....	9	40	---	19	55	---	---	84	---	28	179	---
South Dakota.....	---	---	---	---	15	3	---	67	1	---	82	4
Tennessee.....	---	---	---	23	76	3	1	205	6	24	281	9
Texas.....	3	24	---	96	522	5	---	886	21	99	1,432	26
Utah.....	---	4	---	9	53	1	---	165	3	9	222	4
Vermont.....	---	---	---	---	5	---	---	23	1	---	28	1
Virginia.....	1	8	---	25	62	---	1	237	2	27	307	2
Washington.....	1	13	---	28	159	4	1	563	23	30	735	27
West Virginia.....	---	12	---	12	54	---	1	181	---	13	247	---
Wisconsin.....	---	8	---	15	134	1	---	411	11	15	553	12
Wyoming.....	1	2	---	1	55	---	---	257	11	2	314	11
Unknown.....	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL.....	49	448	12	1,110	5,217	85	35	17,131	575	1,194	22,796	672

TABLE 34. TRAIN ACCIDENT AND TRAIN INCIDENT FATALITIES TO TRESPASSERS AND NON-TRESPASSERS BY STATE

State	Trespassers				Nontrespassers				Total			
	Child	Adult	Unknown	Total	Child	Adult	Unknown	Total	Child	Adult	Unknown	Total
Alabama	1	14	1	16	4	10	2	16	5	24	3	32
Alaska	---	1	---	1	---	2	---	2	---	3	---	3
Arizona	---	7	4	11	---	---	2	2	---	7	6	13
Arkansas	2	7	1	10	2	13	3	18	4	20	4	28
California	1	53	35	89	1	9	8	18	2	62	43	107
Colorado	1	4	1	6	---	1	1	2	1	5	2	8
Connecticut	---	4	---	4	---	---	---	---	---	4	---	4
Delaware	---	2	---	2	---	---	---	---	---	2	---	2
Dist of Columbia	---	---	3	3	---	---	---	---	---	---	3	3
Florida	1	32	5	38	---	9	---	9	1	41	5	47
Georgia	---	26	1	27	1	25	---	26	1	51	1	53
Idaho	1	3	---	4	---	3	2	5	1	6	2	9
Illinois	7	46	7	60	5	21	4	30	12	67	11	90
Indiana	1	23	2	26	3	18	---	21	4	41	2	47
Iowa	---	3	---	3	1	5	1	7	1	8	1	10
Kansas	---	5	1	6	---	5	---	5	---	10	1	11
Kentucky	3	5	---	8	1	6	---	7	4	11	---	15
Louisiana	2	6	---	8	---	8	---	8	2	14	---	16
Maine	---	1	---	1	---	1	---	1	---	2	---	2
Maryland	---	2	---	2	---	---	---	---	---	2	---	2
Massachusetts	---	3	2	5	---	2	---	2	---	5	2	7
Michigan	---	13	1	14	2	12	1	15	2	25	2	29
Minnesota	1	6	1	8	---	11	---	11	1	17	1	19
Mississippi	1	7	---	8	8	11	2	21	9	18	2	29
Missouri	---	10	---	10	3	15	1	19	3	25	1	29
Montana	---	3	---	3	---	---	---	---	---	3	---	3
Nebraska	1	8	---	9	3	13	1	17	4	21	1	26
Nevada	---	---	1	1	---	---	---	---	---	---	1	1
New Hampshire	---	---	---	---	---	---	---	---	---	---	---	---
New Jersey	1	15	10	26	---	---	---	---	1	15	10	26
New Mexico	---	1	3	4	---	---	1	1	---	1	4	5
New York	5	14	8	27	1	3	---	4	6	17	8	31
North Carolina	---	17	2	19	---	13	3	16	---	30	5	35
North Dakota	---	1	---	1	---	2	---	2	---	3	---	3
Ohio	---	30	1	31	5	34	6	45	5	64	7	76
Oklahoma	---	8	2	10	6	15	5	26	6	23	7	36
Oregon	1	6	1	8	---	1	---	1	1	7	1	9
Pennsylvania	2	20	1	23	---	7	---	7	2	27	1	30
Rhode Island	---	---	---	---	---	---	---	---	---	---	---	---
South Carolina	1	11	4	16	---	3	1	4	1	14	5	20
South Dakota	---	---	---	---	---	---	---	---	---	---	---	---
Tennessee	---	11	---	11	2	9	---	11	2	20	---	22
Texas	5	20	10	35	10	45	7	62	15	65	17	97
Utah	---	2	2	4	---	5	---	5	---	7	2	9
Vermont	---	---	---	---	---	---	---	---	---	---	---	---
Virginia	2	13	1	16	1	6	3	10	3	19	4	26
Washington	3	16	3	22	---	7	---	7	3	23	3	29
West Virginia	1	8	---	9	---	3	---	3	1	11	---	12
Wisconsin	1	3	---	4	---	11	---	11	1	14	---	15
Wyoming	---	1	---	1	---	---	---	---	---	1	---	1
Unknown	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	45	491	114	650	59	364	54	477	104	855	168	1,127

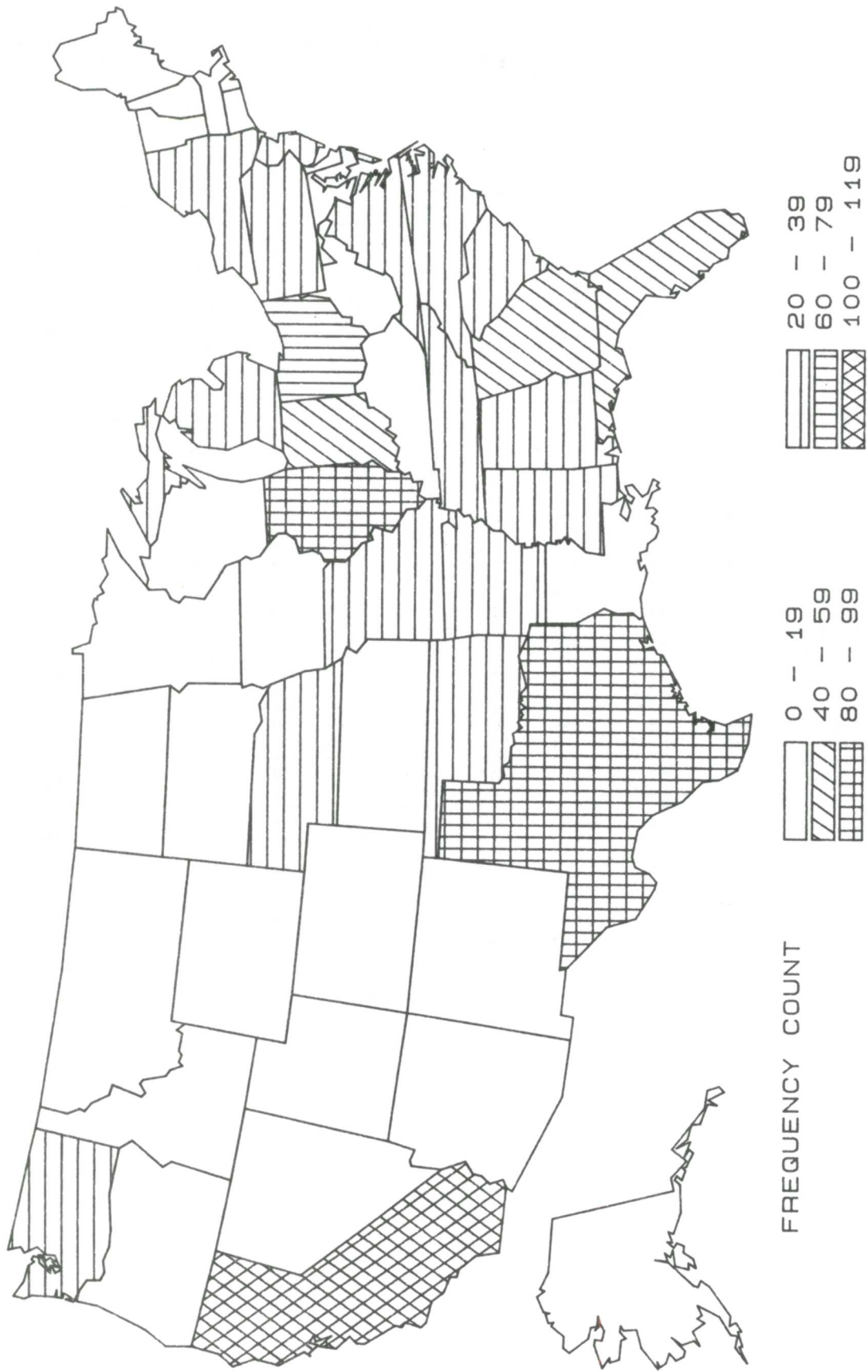


FIGURE 26. FATALITIES BY STATE

TABLE 35. TRAIN ACCIDENT AND TRAIN INCIDENT INJURIES TO TRESPASSERS AND NON-TRESPASSERS BY STATE

State	Trespassers				Nontrespassers				Total			
	Child	Adult	Unknown	Total	Child	Adult	Unknown	Total	Child	Adult	Unknown	Total
Alabama.....	1	8	---	9	7	50	1	58	8	58	1	67
Alaska.....	---	1	---	1	---	---	---	---	---	1	---	1
Arizona.....	---	11	2	13	---	---	10	10	---	11	12	23
Arkansas.....	1	13	3	17	1	32	2	35	2	45	5	52
California.....	4	45	21	70	14	80	23	117	18	125	44	187
Colorado.....	1	5	---	6	4	12	7	23	5	17	7	29
Connecticut.....	---	1	---	1	---	---	---	---	---	1	---	1
Delaware.....	---	1	---	1	---	---	1	1	---	1	1	2
Dist of Columbia.	2	---	1	3	---	---	---	---	2	---	1	3
Florida.....	---	34	---	34	1	23	1	25	1	57	1	59
Georgia.....	1	19	2	22	6	57	2	65	7	76	4	87
Idaho.....	---	2	---	2	---	23	2	25	---	25	2	27
Illinois.....	12	43	8	63	2	54	30	86	14	97	38	149
Indiana.....	1	21	1	23	13	59	10	82	14	80	11	105
Iowa.....	3	7	2	12	3	48	10	61	6	55	12	73
Kansas.....	---	3	---	3	1	17	12	30	1	20	12	33
Kentucky.....	1	5	---	6	4	23	4	31	5	28	4	37
Louisiana.....	4	17	2	23	8	97	27	132	12	114	29	155
Maine.....	---	---	---	---	---	3	---	3	---	3	---	3
Maryland.....	---	3	1	4	---	4	2	6	---	7	3	10
Massachusetts....	---	13	5	18	---	3	1	4	---	16	6	22
Michigan.....	5	20	---	25	2	50	6	58	7	70	6	83
Minnesota.....	1	4	---	5	3	42	3	48	4	46	3	53
Mississippi.....	---	2	---	2	12	36	32	80	12	38	32	82
Missouri.....	1	6	3	10	7	36	3	46	8	42	6	56
Montana.....	---	1	---	1	---	6	---	6	---	7	---	7
Nebraska.....	1	1	---	2	7	28	---	35	8	29	---	37
Nevada.....	---	3	1	4	---	1	---	1	---	4	1	5
New Hampshire....	---	---	---	---	---	---	---	---	---	---	---	---
New Jersey.....	---	7	3	10	---	4	6	10	---	11	9	20
New Mexico.....	---	1	1	2	---	---	14	14	---	1	15	16
New York.....	9	35	4	48	2	5	2	9	11	40	6	57
North Carolina...	2	14	1	17	5	40	1	46	7	54	2	63
North Dakota.....	---	3	---	3	---	1	---	1	---	4	---	4
Ohio.....	1	15	5	21	10	98	7	115	11	113	12	136
Oklahoma.....	1	4	---	5	---	39	16	55	1	43	16	60
Oregon.....	2	17	1	20	---	12	---	12	2	29	1	32
Pennsylvania.....	8	26	3	37	---	26	6	32	8	52	9	69
Rhode Island.....	---	---	---	---	---	---	---	---	---	---	---	---
South Carolina...	---	8	1	9	3	29	1	33	3	37	2	42
South Dakota.....	---	---	---	---	---	5	---	5	---	5	---	5
Tennessee.....	2	13	---	15	2	20	4	26	4	33	4	41
Texas.....	10	61	14	85	14	133	37	184	24	194	51	269
Utah.....	1	3	1	5	---	6	2	8	1	9	3	13
Vermont.....	---	---	---	---	---	1	---	1	---	1	---	1
Virginia.....	1	13	---	14	---	18	1	19	1	31	1	33
Washington.....	---	10	---	10	---	15	---	15	---	25	---	25
West Virginia....	2	10	1	13	1	9	---	10	3	19	1	23
Wisconsin.....	1	6	1	8	19	52	8	79	20	58	9	87
Wyoming.....	---	1	---	1	---	3	---	3	---	4	---	4
Unknown.....	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL.....	79	536	88	703	151	1,300	294	1,745	230	1,836	382	2,448

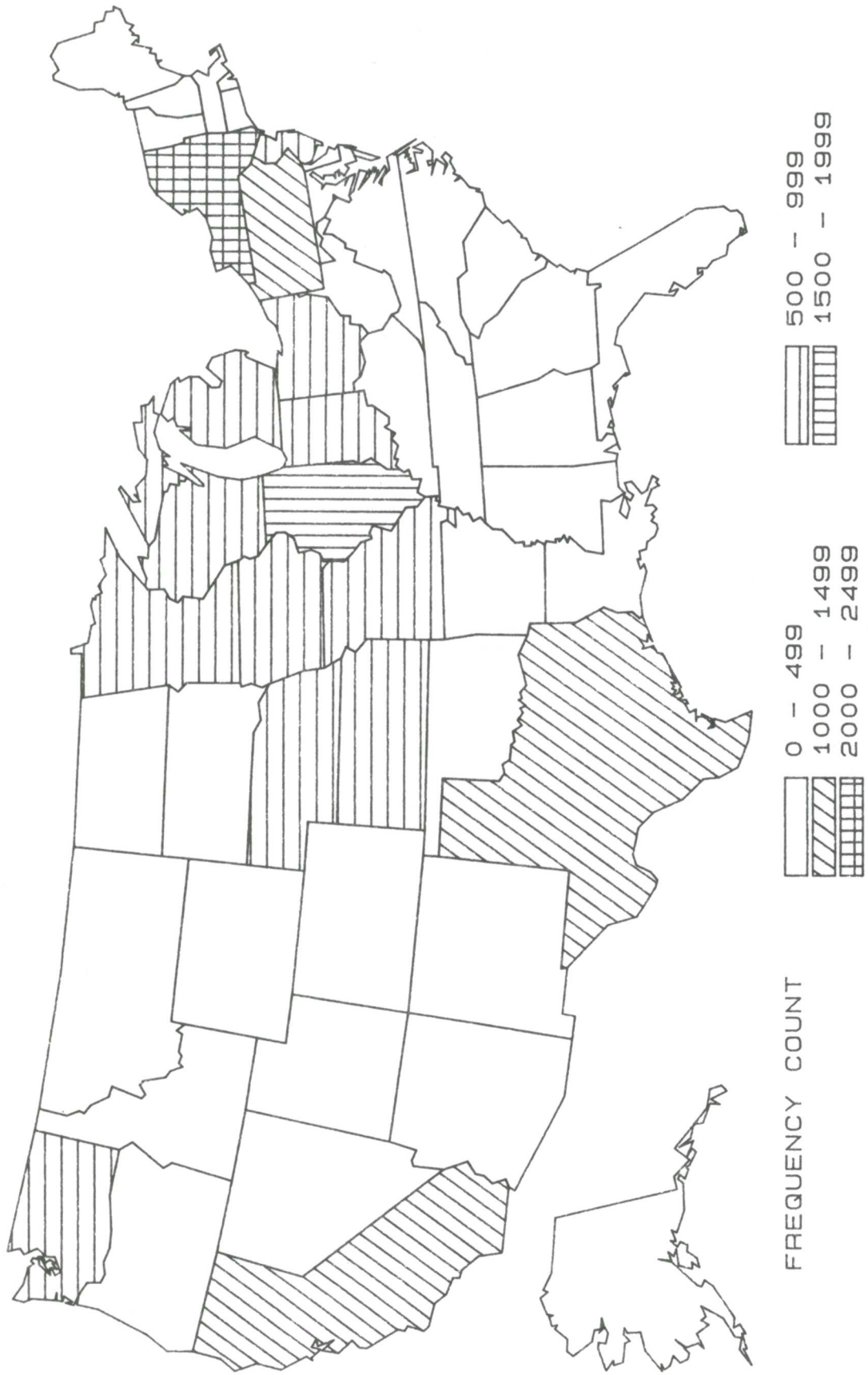


FIGURE 27. INJURIES BY STATE

6. SUMMARY OF ACCIDENT/INCIDENT DATA BY RAILROAD

TABLE 36. SUMMARY OF TRAIN-MILES OPERATED

Railroad	Locomotive Train Miles	Motor Train Miles	Yard/Swch Train Miles	Total Train Miles	Total Employee Hours	Passenger* Miles	Revenue Passengers
CLASS I RAILROADS							
Amtrak (National RR Passenger Corp.)	31,230,660	4,602,043	2,946,384	38,779,087	46,796,553	6,540,617,994	37,118,895
Atchison, Topeka and Santa Fe Railway	38,726,413	0	3,543,300	42,269,713	26,796,510	0	0
Burlington Northern Railroad Company	73,813,854	0	13,236,904	87,050,758	59,817,501	259,015,798	12,704,816
Chicago and North Western Transport.	13,539,164	0	2,762,040	16,301,204	14,042,970	522,842,908	23,569,708
Consolidated Rail Corporation	32,084,704	0	9,759,000	41,843,704	46,612,224	0	0
CSX Transportation	57,153,011	0	12,618,310	69,771,321	62,261,619	59,845,570	1,937,207
Delaware and Hudson Railway Company	1,402,666	0	66,910	1,469,576	1,598,092	0	0
Denver and Rio Grande Western RR	4,522,822	0	625,300	5,148,122	4,682,741	0	0
Florida East Coast Railway Company	2,609,121	0	638,568	3,247,689	1,997,873	0	0
Grand Trunk Western Railroad Company	3,674,193	0	1,500,858	5,175,051	5,855,854	0	0
Illinois Central Railroad Company	6,015,561	0	1,526,331	7,541,892	7,541,892	0	0
Kansas City Southern Railway Company	3,250,403	0	979,728	4,230,131	2,012,917	0	0
Louisiana & Arkansas Railway Company	1,559,529	0	448,434	2,007,963	1,806,756	0	0
Norfolk Southern Corporation	37,865,295	0	7,630,590	45,495,885	51,109,140	25,782,282	1,523,282
Soo Line Railroad Company	8,419,900	0	1,942,476	10,362,376	9,231,594	0	0
Southern Pacific Transportation Co.	28,838,212	0	5,335,573	34,173,785	32,336,650	164,929,977	7,105,693
St. Louis Southwestern Railway Co.	8,125,071	0	528,626	8,653,697	4,580,473	0	0
Springfield Terminal Railway Company	944,018	0	117,903	1,061,921	2,393,537	0	0
Union Pacific Railroad Company	70,754,931	0	8,294,048	79,048,979	59,439,382	0	0
Total Class I Railroads.....	424,529,528	4,602,043	74,501,283	503,632,854	440,921,658	7,573,034,529	83,959,601
GROUP II RAILROADS **							
Alton & Southern Railroad	0	0	671,141	671,141	709,128	0	0
Alaska Railroad Corporation	704,604	76,025	178,396	959,025	1,155,782	17,150,076	471,243
Bangor and Aroostook Railroad	345,478	0	50,828	396,306	640,562	0	0
Bessemer & Lake Erie Railroad Company	229,366	0	17,856	247,222	834,286	0	0
Belt Railway Company Of Chicago	0	0	449,672	449,672	631,428	0	0
Birmingham Southern Railroad Company	0	0	207,540	207,540	445,956	0	0
Chicago, Central & Pacific RR Co.	978,582	0	29,544	1,008,126	1,030,025	0	0
Cuyahoga Valley Railway Company	0	0	317,904	317,904	441,367	0	0
Dakota, Minnesota & Eastern Railroad	651,977	0	0	651,977	480,466	0	0
Duluth, Missabe and Iron Range Rwy	635,908	0	251,321	887,229	1,513,496	0	0
Elgin, Joliet and Eastern Railway Co.	415,126	0	1,034,932	1,450,058	2,065,060	0	0
Fox River Valley Railroad Corporation	1,070,981	0	226,582	1,297,563	545,545	0	0
Gateway Western Railway	654,764	0	124,974	779,738	468,891	0	0
Houston Belt & Terminal Railway Co.	0	0	686,821	686,821	900,094	0	0
Indiana Harbor Belt Railroad Company	1,098,490	0	0	1,098,490	1,798,164	0	0
Long Island Rail Road	1,715,130	6,356,000	113,060	8,184,190	13,012,673	1,921,652,108	70,483,463
Monongahela Railway Company	246,406	0	0	246,406	480,614	0	0
Metro North Commuter Railroad Company	1,183,101	5,891,354	84,656	7,159,111	10,927,437	1,594,904,776	55,980,631
Montana Rail Link	3,653,273	0	130,469	3,783,742	2,026,760	0	0
Midsouth Rail Corporation	689,575	0	147,172	836,747	819,119	0	0
Northern Indiana Transport. Commuter	0	682,958	0	682,958	419,292	101,062,422	3,642,845
Northeast Illinois Regional Commuter	2,969,041	0	68,819	3,037,860	4,228,647	612,242,010	30,187,555
New Jersey Transit Rail Operations	2,371,788	3,943,380	332,958	6,648,126	7,826,852	955,641,311	40,756,900
Paducah & Louisville Railway Company	589,222	0	65,803	655,025	693,603	0	0
Port Authority Trans Hudson	0	1,560,930	2,343	1,563,273	2,723,476	273,619,537	55,366,300
Pittsburgh & Lake Erie Railroad Co.	90,359	0	47,550	137,909	502,331	0	0
Port Terminal Railroad Association	0	0	793,296	793,296	730,152	0	0
Richmond, Fredericksburg and Potomac	456,063	0	166,616	622,679	869,491	0	0
River Terminal Railway Company	0	0	320,520	320,520	409,331	0	0
Southeastern Pennsylvania Transport.	0	4,924,725	0	4,924,725	3,611,008	306,294,399	22,521,647
Southern Railway Corporation	351,719	0	78,208	429,927	551,707	0	0
Southern Pacific, Chicago-St. Louis	1,159,894	0	0	1,159,894	548,070	0	0
Texas Mexican Railway Company	126,612	0	135,539	262,151	454,731	0	0
Terminal Railroad Assoc. of St. Louis	0	0	522,237	522,237	784,656	0	0
Union Railroad Company (Pittsburgh)	0	0	312,252	312,252	592,659	0	0
Wisconsin Central Ltd. (also Railway)	1,966,525	0	527,262	2,493,787	2,267,411	179,036	1,136
Wheeling & Lake Erie Railway Company	357,915	0	163,937	521,852	662,040	0	0
Total Group II Railroads **.....	24,711,899	23,435,352	8,260,208	56,407,459	68,802,310	5,782,745,675	279,411,720
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)							
Class I Railroads	424,529,528	4,602,043	74,501,283	503,632,854	440,921,658	7,573,034,529	83,959,601
Group II Railroads **	24,711,899	23,435,352	8,260,208	56,407,459	68,802,310	5,782,745,675	279,411,720
all Other Railroads	10,962,181	74,537	5,757,859	16,794,577	20,936,792	648,147,894	5,738,047
Total All Railroads	460,203,608	28,111,932	88,519,350	576,834,890	530,660,760	14,003,928,098	369,109,368

* 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. INVOLVEMENT IN TRAIN ACCIDENTS BY RAILROAD, TYPE, AND CAUSE

Railroad	<<.....COLLISIONS.....>>					Damages	<<.....DERAILMENTS.....>>					Damages
	Human	Equip	Track	Other	Total		Human	Equip	Track	Other	Total	
CLASS I RAILROADS												
Amtrak (National RR Passenger Corp.)	3	5	7	0	15	2,615,195	13	2	11	6	32	4,198,092
Atchison, Topeka and Santa Fe Railway	10	0	0	2	12	482,380	35	24	45	18	122	8,520,284
Burlington Northern Railroad Company	28	1	2	3	34	13,798,568	49	42	116	42	249	33,240,026
Chicago and North Western Transport.	17	0	0	0	17	435,523	13	8	29	6	56	2,341,161
Consolidated Rail Corporation	13	1	0	4	18	1,080,130	44	27	62	16	149	5,290,974
CSX Transportation	16	1	0	3	20	4,998,970	34	20	61	27	142	13,419,957
Delaware and Hudson Railway Company	0	0	0	0	0	0	1	0	4	2	7	322,725
Denver and Rio Grande Western RR	2	0	0	0	2	2,059,700	1	2	3	0	6	450,919
Florida East Coast Railway Company	1	0	0	1	2	42,700	6	3	5	0	14	317,413
Grand Trunk Western Railroad Company	1	0	0	0	1	21,300	13	10	13	7	43	964,009
Illinois Central Railroad Company	7	0	0	0	7	273,100	8	8	43	5	64	4,005,638
Kansas City Southern Railway Company	2	0	0	0	2	15,196	2	4	11	0	17	1,038,218
Louisiana & Arkansas Railway Company	1	0	0	0	1	26,000	4	0	3	0	7	361,186
Norfolk Southern Corporation	14	4	2	0	20	1,274,418	23	14	35	7	79	2,110,291
Soo Line Railroad Company	15	1	1	4	21	608,198	18	11	53	10	92	6,244,035
Southern Pacific Transportation Co.	13	0	0	1	14	4,398,279	52	25	79	26	182	13,279,594
St. Louis Southwestern Railway Co.	2	1	0	0	3	84,300	10	8	12	7	37	5,134,698
Springfield Terminal Railway Company	2	0	0	1	3	120,300	2	3	7	4	16	764,835
Union Pacific Railroad Company	27	1	1	2	31	2,798,145	102	70	160	41	373	30,956,944
Total Class I Railroads.....	174	15	13	21	223	35,132,402	430	281	752	224	1,687	132,960,999
GROUP II RAILROADS **												
Alton & Southern Railroad	4	0	0	3	7	162,740	1	1	6	1	9	252,530
Alaska Railroad Corporation	0	0	0	0	0	0	0	1	2	0	3	186,188
Bangor and Aroostook Railroad	0	0	0	0	0	0	1	0	0	0	1	10,600
Bessemer & Lake Erie Railroad Company	0	0	0	0	0	0	0	0	0	0	0	0
Belt Railway Company Of Chicago	0	0	2	1	3	130,023	0	0	7	4	11	272,800
Birmingham Southern Railroad Company	0	0	0	0	0	0	0	0	0	1	1	75,000
Chicago, Central & Pacific RR Co.	1	0	0	0	1	14,925	3	2	3	3	11	616,002
Cuyahoga Valley Railway Company	0	0	0	0	0	0	0	0	0	0	0	0
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	4	2	27	1	34	1,522,150
Duluth, Missabe and Iron Range Rwy	0	0	0	0	0	0	0	2	2	0	4	83,237
Elgin, Joliet and Eastern Railway Co.	0	0	0	0	0	0	2	1	5	4	12	605,286
Fox River Valley Railroad Corporation	3	0	0	0	3	41,820	0	1	2	0	3	24,100
Gateway Western Railway	1	0	0	0	1	11,800	0	1	5	1	7	463,519
Houston Belt & Terminal Railway Co.	2	0	1	0	3	89,025	1	2	2	2	7	67,586
Indiana Harbor Belt Railroad Company	1	0	0	0	1	42,100	8	0	5	2	15	218,083
Long Island Rail Road	4	0	1	0	5	286,925	2	2	1	1	6	189,096
Monongahela Railway Company	0	0	0	0	0	0	0	3	5	0	8	767,273
Metro North Commuter Railroad Company	3	0	1	0	4	247,947	1	0	1	0	2	209,982
Montana Rail Link	4	0	0	0	4	190,961	3	11	6	2	22	2,736,825
Midsouth Rail Corporation	2	0	0	0	2	20,330	1	1	2	3	7	150,294
Northern Indiana Transport. Commuter	0	0	0	0	0	0	0	0	1	0	1	450,000
Northeast Illinois Regional Commuter	1	0	0	1	2	75,000	0	0	0	0	0	0
New Jersey Transit Rail Operations	0	2	1	1	4	46,796	2	1	4	2	9	473,777
Paducah & Louisville Railway Company	1	0	0	0	1	24,500	0	1	1	0	2	96,200
Port Authority Trans Hudson	1	0	0	0	1	29,335	0	0	0	1	1	9,830
Pittsburgh & Lake Erie Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0
Port Terminal Railroad Association	4	1	0	0	5	140,336	0	0	5	0	5	188,476
Richmond, Fredericksburg and Potomac	1	0	0	0	1	45,085	5	2	2	0	9	179,229
River Terminal Railway Company	0	0	0	1	1	370,000	0	0	0	0	0	0
Southeastern Pennsylvania Transport.	3	1	0	1	5	371,970	2	2	0	0	4	40,273
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	0	1	4	1	6	218,230
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	1	2	5	2	10	151,795
Texas Mexican Railway Company	0	0	0	0	0	0	0	1	2	1	4	430,528
Terminal Railroad Assoc. of St. Louis	1	0	0	0	1	43,100	6	0	8	3	17	346,439
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	0	1	1	2	31,200
Wisconsin Central Ltd. (also Railway)	4	0	0	0	4	87,702	0	5	9	8	22	1,226,143
Wheeling & Lake Erie Railway Company	0	0	0	0	0	0	2	1	0	1	4	835,398
Total Group II Railroads **.....	41	4	6	8	59	2,472,420	45	46	123	45	259	13,128,069
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)												
Class I Railroads	162	14	13	18	207	35,132,402	403	266	694	212	1,575	132,960,999
Group II Railroads **	33	3	4	7	47	2,472,420	39	43	103	34	219	13,128,069
All Other Railroads	7	0	0	0	7	316,850	14	14	101	13	142	7,000,889
Total All Railroads	202	17	17	25	261	37,921,672	456	323	898	259	1,936	153,089,957

** 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. (CONTINUED)

Railroad	<<.....OTHER ACCIDENTS.....>>					<<.....TOTALS.....>>			
	Human	Equip	Track	Other	Total	Damages	Accs	Rate*	Damages
CLASS I RAILROADS									
Amtrak (National RR Passenger Corp.)	3	25	10	32	70	4,793,354	117	3.02	11,606,641
Atchison, Topeka and Santa Fe Railway	18	2	4	12	36	890,003	170	4.02	9,892,667
Burlington Northern Railroad Company	66	8	8	35	117	4,385,436	400	4.60	51,424,030
Chicago and North Western Transport.	10	1	0	4	15	354,940	88	5.40	3,131,624
Consolidated Rail Corporation	14	0	2	16	32	1,604,189	199	4.76	7,975,293
CSX Transportation	9	1	0	24	34	2,988,320	196	2.81	21,407,247
Delaware and Hudson Railway Company	1	1	0	2	4	42,642	11	7.49	365,367
Denver and Rio Grande Western RR	1	0	0	2	3	1,115,096	11	2.14	3,625,715
Florida East Coast Railway Company	0	1	0	2	3	116,595	19	5.85	476,708
Grand Trunk Western Railroad Company	0	0	0	3	3	85,500	47	9.08	1,070,809
Illinois Central Railroad Company	2	2	3	7	14	484,630	85	11.27	4,763,368
Kansas City Southern Railway Company	2	0	0	1	3	94,700	22	5.20	1,148,114
Louisiana & Arkansas Railway Company	1	0	0	1	2	97,076	10	4.98	484,262
Norfolk Southern Corporation	4	4	3	21	32	693,553	131	2.88	4,078,262
Soo Line Railroad Company	3	1	0	8	12	303,010	125	12.06	7,155,243
Southern Pacific Transportation Co.	19	3	0	19	41	1,154,616	237	6.94	18,832,489
St. Louis Southwestern Railway Co.	3	0	0	5	8	2,146,430	48	5.55	7,365,428
Springfield Terminal Railway Company	0	0	0	1	1	20,000	20	18.83	905,135
Union Pacific Railroad Company	48	13	15	43	119	2,953,945	523	6.62	36,709,034
Total Class I Railroads.....	204	62	45	238	549	24,324,035	2,459	4.88	192,417,436
GROUP II RAILROADS **									
Alton & Southern Railroad	0	0	0	1	1	18,916	17	25.33	434,186
Alaska Railroad Corporation	0	0	0	0	0	0	3	3.13	186,188
Bangor and Aroostook Railroad	0	0	0	2	2	31,897	3	7.57	42,497
Bessemer & Lake Erie Railroad Company	0	0	0	0	0	0	0	0.00	0
Belt Railway Company Of Chicago	2	0	0	1	3	66,500	17	37.81	469,323
Birmingham Southern Railroad Company	0	0	0	0	0	0	1	4.82	75,000
Chicago, Central & Pacific RR Co.	0	0	0	2	2	265,141	14	13.89	896,068
Cuyahoga Valley Railway Company	0	0	0	0	0	0	0	0.00	0
Dakota, Minnesota & Eastern Railroad	0	0	0	1	1	215,000	35	53.68	1,737,150
Duluth, Missabe and Iron Range Rwy	0	0	0	0	0	0	4	4.51	83,237
Elgin, Joliet and Eastern Railway Co.	0	0	0	0	0	0	12	8.28	605,286
Fox River Valley Railroad Corporation	0	0	0	0	0	0	6	4.62	65,920
Gateway Western Railway	1	0	0	0	1	9,000	9	11.54	484,319
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	10	14.56	156,611
Indiana Harbor Belt Railroad Company	5	0	0	1	6	126,856	22	20.03	387,039
Long Island Rail Road	3	0	0	2	5	169,397	16	1.95	645,418
Monongahela Railway Company	0	0	0	1	1	14,500	9	36.53	781,773
Metro North Commuter Railroad Company	1	4	9	3	17	792,634	23	3.21	1,250,563
Montana Rail Link	1	1	0	1	3	85,400	29	7.66	3,013,186
Midsouth Rail Corporation	0	0	0	0	0	0	9	10.76	170,624
Northern Indiana Transport. Commuter	0	0	0	2	2	18,263	3	4.39	468,263
Northeast Illinois Regional Commuter	0	0	0	3	3	1,338,000	5	1.65	1,413,000
New Jersey Transit Rail Operations	1	17	5	5	28	926,448	41	6.17	1,447,021
Paducah & Louisville Railway Company	0	0	0	0	0	0	3	4.58	120,700
Port Authority Trans Hudson	1	0	0	1	2	95,007	4	2.56	134,172
Pittsburgh & Lake Erie Railroad Co.	0	0	0	0	0	0	0	0.00	0
Port Terminal Railroad Association	8	0	0	1	9	275,149	19	23.95	603,961
Richmond, Fredericksburg and Potomac	0	0	0	0	0	0	10	16.06	224,314
River Terminal Railway Company	0	0	0	0	0	0	1	3.12	370,000
Southeastern Pennsylvania Transport.	1	0	0	3	4	85,670	13	2.64	497,913
Southrail Corporation	1	0	0	0	1	14,300	7	16.28	232,530
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	10	8.62	151,795
Texas Mexican Railway Company	1	0	0	0	1	29,461	5	19.07	459,989
Terminal Railroad Assoc. of St. Louis	0	0	0	0	0	0	18	34.47	389,539
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	2	6.41	31,200
Wisconsin Central Ltd. (also Railway)	0	1	0	1	2	21,424	28	11.23	1,335,269
Wheeling & Lake Erie Railway Company	0	0	0	1	1	6,980	5	9.58	842,378
Total Group II Railroads **.....	26	23	14	32	95	4,605,943	413	7.32	20,206,432
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)									
Class I Railroads	196	57	45	208	506	24,324,035	2,288	4.54	192,417,436
Group II Railroads **	25	17	8	29	79	4,605,943	345	6.12	20,206,432
All Other Railroads	8	1	0	23	32	2,995,388	181	10.78	10,313,127
Total All Railroads	229	75	53	260	617	31,925,366	2,814	4.88	222,936,995

* 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. FATALITIES BY RAILROAD AND TYPE OF ACCIDENT/INCIDENT

Railroad	<<.....TRAIN ACCIDENTS.....>>							<<.....TRAIN INCIDENTS.....>>						
	Eod	Enod	Psgr	Nont	Tres	Contr	Total	Eod	Enod	Psgr	Nont	Tres	Contr	Total
CLASS I RAILROADS														
Amtrak (National RR Passenger Corp.)	0	0	8	4	1	0	13	0	0	0	20	75	0	95
Atchison, Topeka and Santa Fe Railway	0	0	0	2	0	0	2	1	1	0	23	34	0	59
Burlington Northern Railroad Company	4	0	0	3	1	0	8	0	0	0	51	52	1	104
Chicago and North Western Transport.	0	0	0	0	0	0	0	1	0	0	10	11	0	22
Consolidated Rail Corporation	1	0	0	0	0	0	1	2	0	0	27	53	1	83
CSX Transportation	0	0	0	3	0	0	3	3	0	0	60	82	0	145
Delaware and Hudson Railway Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Denver and Rio Grande Western RR	2	0	0	0	0	0	2	0	0	0	2	2	0	4
Florida East Coast Railway Company	0	0	0	0	0	0	0	0	0	0	4	19	0	23
Grand Trunk Western Railroad Company	0	0	0	0	0	0	0	1	0	0	19	8	0	27
Illinois Central Railroad Company	0	0	0	0	0	0	0	0	0	0	5	2	0	8
Kansas City Southern Railway Company	0	0	0	0	0	0	0	0	0	0	6	3	0	9
Louisiana & Arkansas Railway Company	0	0	0	0	0	0	0	0	0	0	3	2	0	5
Norfolk Southern Corporation	1	0	0	0	0	0	1	1	0	0	73	81	1	156
Soo Line Railroad Company	0	0	0	1	1	0	2	0	0	0	8	6	0	14
Southern Pacific Transportation Co.	0	0	0	1	2	0	3	0	0	0	26	60	0	86
St. Louis Southwestern Railway Co.	0	0	0	1	0	0	1	0	0	0	11	3	0	14
Springfield Terminal Railway Company	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Union Pacific Railroad Company	0	0	0	5	2	0	7	2	0	0	72	77	0	151
Total Class I Railroads.....	8	0	8	20	7	0	43	11	1	0	421	571	3	1,007
GROUP II RAILROADS **														
Alton & Southern Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alaska Railroad Corporation	0	0	0	0	0	0	0	0	0	0	2	1	0	3
Bangor and Aroostook Railroad	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Bessemer & Lake Erie Railroad Company	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Belt Railway Company Of Chicago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Birmingham Southern Railroad Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago, Central & Pacific RR Co.	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Cuyahoga Valley Railway Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dakota, Minnesota & Eastern Railroad	0	0	0	1	0	0	1	0	0	0	0	0	0	0
Duluth, Missabe and Iron Range Rwy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elgin, Joliet and Eastern Railway Co.	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Fox River Valley Railroad Corporation	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Gateway Western Railway	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Indiana Harbor Belt Railroad Company	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	1	0	0	1	15	0	17
Monongahela Railway Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Metro North Commuter Railroad Company	1	0	0	0	0	0	1	1	0	0	0	6	0	7
Montana Rail Link	0	0	0	0	0	0	0	0	0	0	2	1	0	3
Midsouth Rail Corporation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Northern Indiana Transport. Commuter	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Northeast Illinois Regional Commuter	0	0	0	0	1	0	1	0	0	0	1	7	0	8
New Jersey Transit Rail Operations	0	0	0	0	0	0	0	0	0	0	0	17	0	17
Paducah & Louisville Railway Company	0	0	0	0	0	0	0	0	0	0	3	0	0	3
Port Authority Trans Hudson	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pittsburgh & Lake Erie Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Port Terminal Railroad Association	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Richmond, Fredericksburg and Potomac	0	0	0	0	0	0	0	0	0	0	0	0	0	0
River Terminal Railway Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Southeastern Pennsylvania Transport.	0	0	0	0	0	0	0	0	0	0	0	6	0	6
Southrail Corporation	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Texas Mexican Railway Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terminal Railroad Assoc. of St. Louis	0	0	0	0	0	0	0	1	0	0	0	0	0	1
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	5	2	0	7
Wheeling & Lake Erie Railway Company	0	0	0	0	0	0	0	0	0	0	2	0	0	2
Total Group II Railroads **.....	1	0	0	1	1	0	3	3	0	0	18	65	0	86
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)														
Class I Railroads	8	0	8	20	7	0	43	11	1	0	421	571	3	1,007
Group II Railroads **	1	0	0	1	1	0	3	3	0	0	18	65	0	86
All Other Railroads	0	0	0	2	1	0	3	0	0	0	12	5	0	17
Total All Railroads	9	0	8	23	9	0	49	14	1	0	451	641	3	1,110

** 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. (CONTINUED)

Railroad	<<NON-TRAIN INCIDENTS >>							<<.....T O T A L S.....>>						
	Eod	Enod	Psgr	Nont	Tres	Contr	Total	Eod	Enod	Psgr	Nont	Tres	Contr	Total
CLASS I RAILROADS														
Amtrak (National RR Passenger Corp.)	0	0	0	0	0	0	0	0	0	8	24	76	0	108
Atchison, Topeka and Santa Fe Railway	0	0	0	3	0	0	3	1	1	0	28	34	0	64
Burlington Northern Railroad Company	1	0	0	2	2	0	5	5	0	0	56	55	1	117
Chicago and North Western Transport.	0	0	0	1	0	0	1	1	0	0	11	11	0	23
Consolidated Rail Corporation	0	0	0	0	0	0	0	3	0	0	27	53	1	84
CSX Transportation	0	0	0	0	1	0	1	3	0	0	63	83	0	149
Delaware and Hudson Railway Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Denver and Rio Grande Western RR	1	0	0	0	0	0	1	3	0	0	2	2	0	7
Florida East Coast Railway Company	0	0	0	1	1	0	2	0	0	0	5	20	0	25
Grand Trunk Western Railroad Company	0	0	0	0	0	0	0	0	0	0	19	8	0	27
Illinois Central Railroad Company	1	0	0	0	0	0	1	2	0	0	5	2	0	9
Kansas City Southern Railway Company	0	0	0	0	0	0	0	0	0	0	6	3	0	9
Louisiana & Arkansas Railway Company	0	0	0	0	0	0	0	0	0	0	3	2	0	5
Norfolk Southern Corporation	3	0	0	2	2	0	7	5	0	0	75	83	1	164
Soo Line Railroad Company	1	0	0	0	0	0	1	1	0	0	9	7	0	17
Southern Pacific Transportation Co.	1	0	0	0	0	0	1	1	0	0	27	62	0	90
St. Louis Southwestern Railway Co.	0	0	0	0	0	0	0	0	0	0	12	3	0	15
Springfield Terminal Railway Company	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Union Pacific Railroad Company	3	0	0	0	1	0	4	5	0	0	77	80	0	162
Total Class I Railroads.....	11	0	0	9	7	0	27	30	1	8	450	585	3	1,077
GROUP II RAILROADS **														
Alton & Southern Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alaska Railroad Corporation	0	0	0	0	0	0	0	0	0	0	2	1	0	3
Bangor and Aroostook Railroad	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Bessemer & Lake Erie Railroad Company	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Belt Railway Company Of Chicago	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Birmingham Southern Railroad Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago, Central & Pacific RR Co.	0	0	0	1	0	0	1	0	0	0	2	0	0	2
Cuyahoga Valley Railway Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Duluth, Missabe and Iron Range Rwy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elgin, Joliet and Eastern Railway Co.	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Fox River Valley Railroad Corporation	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Gateway Western Railway	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Indiana Harbor Belt Railroad Company	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	1	0	0	1	15	0	17
Monongahela Railway Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Metro North Commuter Railroad Company	0	0	0	2	0	0	2	2	0	0	8	0	0	10
Montana Rail Link	0	0	0	0	0	0	0	0	0	0	2	1	0	3
Midsouth Rail Corporation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Northern Indiana Transport. Commuter	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Northeast Illinois Regional Commuter	0	0	0	0	1	0	1	0	0	0	1	9	0	10
New Jersey Transit Rail Operations	0	0	0	0	2	0	2	0	0	0	0	19	0	19
Paducah & Louisville Railway Company	0	0	0	0	0	0	0	0	0	0	3	0	0	3
Port Authority Trans Hudson	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pittsburgh & Lake Erie Railroad Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Port Terminal Railroad Association	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Richmond, Fredericksburg and Potomac	0	0	0	0	0	0	0	0	0	0	0	0	0	0
River Terminal Railway Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Southeastern Pennsylvania Transport.	1	0	0	0	0	0	1	1	0	0	0	6	0	7
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Texas Mexican Railway Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terminal Railroad Assoc. of St. Louis	0	0	0	0	0	0	0	1	0	0	0	0	0	1
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	5	2	0	7
Wheeling & Lake Erie Railway Company	0	0	0	0	0	0	0	0	0	0	2	0	0	2
Total Group II Railroads **.....	1	0	0	1	5	0	7	5	0	0	20	71	0	96
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)														
Class I Railroads	11	0	0	9	7	0	27	30	1	8	450	585	3	1,077
Group II Railroads **	1	0	0	1	5	0	7	5	0	0	20	71	0	96
All Other Railroads	0	0	0	0	1	0	1	0	0	0	14	7	0	21
Total All Railroads	12	0	0	10	13	0	35	35	1	8	484	663	3	1,194

** 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. NONFATAL CASUALTIES BY RAILROAD AND TYPE OF ACCIDENT/INCIDENT

Railroad	<<.....TRAIN ACCIDENTS.....>>							<<.....TRAIN INCIDENTS.....>>						
	Eod	Enod	Psgr	Nont	Tres	Contr	Total	Eod	Enod	Psgr	Nont	Tres	Contr	Total
CLASS I RAILROADS														
Amtrak (National RR Passenger Corp.)	19	7	32	2	3	0	63	151	5	39	11	39	1	246
Atchison, Topeka and Santa Fe Railway	7	0	0	0	0	0	7	255	0	0	111	20	0	386
Burlington Northern Railroad Company	54	0	0	3	0	0	57	569	0	0	162	43	2	776
Chicago and North Western Transport.	3	0	0	1	0	0	4	40	0	5	35	14	0	94
Consolidated Rail Corporation	22	0	0	6	1	0	29	199	0	0	83	73	0	355
CSX Transportation	33	0	0	4	1	0	38	152	0	0	234	91	3	480
Delaware and Hudson Railway Company	0	0	0	0	0	0	0	3	0	0	0	9	0	12
Denver and Rio Grande Western RR	2	0	0	0	0	0	2	20	0	0	4	0	0	24
Florida East Coast Railway Company	0	0	0	0	1	0	1	3	0	0	6	18	0	27
Grand Trunk Western Railroad Company	0	0	0	0	0	0	0	44	0	1	35	10	0	90
Illinois Central Railroad Company	2	0	0	1	0	0	3	30	0	0	71	6	0	107
Kansas City Southern Railway Company	0	0	0	1	0	0	1	29	0	0	26	1	0	56
Louisiana & Arkansas Railway Company	0	0	0	0	0	0	0	10	0	0	27	3	0	40
Norfolk Southern Corporation	22	0	0	1	0	0	23	75	0	1	187	68	2	333
Soo Line Railroad Company	8	0	0	2	0	0	10	87	0	0	44	11	0	142
Southern Pacific Transportation Co.	22	4	0	46	3	0	75	195	0	0	111	81	0	387
St. Louis Southwestern Railway Co.	6	0	0	4	0	0	10	18	0	0	17	5	0	40
Springfield Terminal Railway Company	2	0	0	0	0	0	2	5	0	0	0	1	1	7
Union Pacific Railroad Company	39	0	0	6	2	0	47	442	0	0	191	113	5	751
Total Class I Railroads.....	241	11	32	77	11	0	372	2,327	5	46	1,355	606	14	4,353
GROUP II RAILROADS **														
Alton & Southern Railroad	0	0	0	0	0	0	0	4	0	0	0	0	0	4
Alaska Railroad Corporation	0	0	0	0	0	0	0	5	0	5	0	1	0	11
Bangor and Aroostook Railroad	0	0	0	1	0	0	1	3	0	0	0	0	0	3
Bessemer & Lake Erie Railroad Company	0	0	0	0	0	0	0	0	0	0	2	0	0	2
Belt Railway Company Of Chicago	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Birmingham Southern Railroad Company	1	0	0	0	0	0	1	5	0	0	1	0	0	6
Chicago, Central & Pacific RR Co.	0	0	0	1	0	0	1	2	0	0	16	4	0	22
Cuyahoga Valley Railway Company	0	0	0	0	0	0	0	9	0	0	0	0	0	9
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	0	4	0	0	2	0	0	6
Duluth, Missabe and Iron Range Rwy	0	0	0	0	0	0	0	2	0	0	2	0	0	4
Elgin, Joliet and Eastern Railway Co.	0	0	0	0	0	0	0	10	0	0	2	0	0	12
Fox River Valley Railroad Corporation	0	0	0	0	0	0	0	4	0	0	5	1	0	10
Gateway Western Railway	0	0	0	0	0	0	0	3	0	0	6	1	0	10
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0	8	0	0	4	1	0	13
Indiana Harbor Belt Railroad Company	0	0	0	0	0	0	0	7	0	0	1	3	1	12
Long Island Rail Road	8	0	0	0	2	0	10	62	0	1	0	16	0	79
Monongahela Railway Company	0	0	0	0	0	0	0	6	0	0	0	0	0	6
Metro North Commuter Railroad Company	6	0	0	0	1	0	7	46	0	2	0	3	0	51
Montana Rail Link	1	0	0	0	0	0	1	26	0	0	1	0	0	27
Midsouth Rail Corporation	0	0	0	0	0	0	0	2	0	0	18	1	0	21
Northern Indiana Transport. Commuter	0	0	0	1	0	0	1	3	0	1	1	1	0	6
Northeast Illinois Regional Commuter	2	0	19	0	1	0	22	9	0	3	3	12	0	27
New Jersey Transit Rail Operations	0	0	0	0	0	0	0	33	0	11	0	1	1	46
Paducah & Louisville Railway Company	0	0	0	0	0	0	0	6	0	0	5	0	0	11
Port Authority Trans Hudson	7	0	0	1	0	0	8	11	0	0	1	0	0	12
Pittsburgh & Lake Erie Railroad Co.	0	0	0	0	0	0	0	4	0	0	0	0	0	4
Port Terminal Railroad Association	1	0	0	1	0	0	2	12	0	0	10	0	0	22
Richmond, Fredericksburg and Potomac	0	0	0	0	0	0	0	0	0	0	0	0	0	0
River Terminal Railway Company	1	0	0	0	0	0	1	0	0	0	0	0	0	0
Southeastern Pennsylvania Transport.	2	0	0	0	3	0	5	30	0	9	0	12	2	53
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	0	3	0	0	8	0	0	11
Texas Mexican Railway Company	1	0	0	0	0	0	1	3	0	0	0	0	0	3
Terminal Railroad Assoc. of St. Louis	0	0	0	0	0	0	0	10	0	0	3	0	0	13
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	3	0	0	0	0	0	3
Wisconsin Central Ltd. (also Railway)	0	0	0	1	0	0	1	8	0	0	32	1	0	41
Wheeling & Lake Erie Railway Company	1	0	0	0	0	0	1	4	0	0	15	0	0	19
Total Group II Railroads **.....	31	0	19	6	7	0	63	350	0	32	138	58	4	582
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)														
Class I Railroads	241	11	32	77	11	0	372	2,327	5	46	1,355	606	14	4,353
Group II Railroads **	31	0	19	6	7	0	63	350	0	32	138	58	4	582
All Other Railroads	10	0	1	10	3	1	25	191	0	18	137	18	3	367
Total All Railroads	282	11	52	93	21	1	460	2,868	5	96	1,630	682	21	5,302

** 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. (CONTINUED)

Railroad	<< NON - TRAIN INCIDENTS >>							<<.....T O T A L S.....>>						
	Eod	Enod	Psgr	Nont	Tres	Contr	Total	Eod	Enod	Psgr	Nont	Tres	Contr	Total
CLASS I RAILROADS														
Amtrak (National RR Passenger Corp.)	982	131	23	29	5	0	1,170	1,152	143	94	42	47	1	1,479
Atchison, Topeka and Santa Fe Railway	589	6	0	3	3	2	603	851	6	0	114	23	2	996
Burlington Northern Railroad Company	3,544	29	5	9	2	10	3,599	4,167	29	5	174	45	12	4,432
Chicago and North Western Transport.	331	4	24	17	0	0	376	374	4	29	53	14	0	474
Consolidated Rail Corporation	1,311	36	0	12	6	25	1,390	1,532	36	0	101	80	25	1,774
CSX Transportation	1,011	22	0	5	7	1	1,046	1,196	22	0	243	99	4	1,564
Delaware and Hudson Railway Company	67	0	0	0	0	0	67	70	0	0	0	9	0	79
Denver and Rio Grande Western RR	103	0	0	0	1	0	104	125	0	0	4	1	0	130
Florida East Coast Railway Company	9	0	0	2	1	2	14	12	0	0	8	20	2	42
Grand Trunk Western Railroad Company	222	3	0	0	3	1	229	266	3	1	35	13	1	319
Illinois Central Railroad Company	172	1	0	5	0	0	178	204	1	0	77	6	0	288
Kansas City Southern Railway Company	48	0	0	0	0	0	48	77	0	0	27	1	0	105
Louisiana & Arkansas Railway Company	13	0	0	2	0	0	15	23	0	0	29	3	0	55
Norfolk Southern Corporation	616	15	2	15	5	68	721	713	15	3	203	73	70	1,077
Soo Line Railroad Company	505	10	0	1	0	0	516	600	10	0	47	11	0	668
Southern Pacific Transportation Co.	861	6	4	4	5	0	880	1,078	10	4	161	89	0	1,342
St. Louis Southwestern Railway Co.	120	2	0	0	0	0	122	144	2	0	21	5	0	172
Springfield Terminal Railway Company	58	0	0	0	0	0	58	65	0	0	0	1	1	67
Union Pacific Railroad Company	1,789	40	0	50	5	11	1,895	2,270	40	0	247	120	16	2,693
Total Class I Railroads.....	12,351	305	58	154	43	120	13,031	14,919	321	136	1,586	660	134	17,756
GROUP II RAILROADS **														
Alton & Southern Railroad	18	0	0	0	0	0	18	22	0	0	0	0	0	22
Alaska Railroad Corporation	51	2	0	0	0	0	53	56	2	5	0	1	0	64
Bangor and Aroostook Railroad	29	0	0	0	0	0	29	32	0	0	1	0	0	33
Bessemer & Lake Erie Railroad Company	14	0	0	0	0	0	14	14	0	0	2	0	0	16
Belt Railway Company Of Chicago	11	2	0	0	0	0	13	12	2	0	0	0	0	14
Birmingham Southern Railroad Company	19	1	0	0	0	0	20	25	1	0	1	0	0	27
Chicago, Central & Pacific RR Co.	57	0	0	0	0	0	57	59	0	0	17	4	0	80
Cuyahoga Valley Railway Company	26	0	0	0	0	0	26	35	0	0	0	0	0	35
Dakota, Minnesota & Eastern Railroad	23	0	0	0	0	0	23	27	0	0	2	0	0	29
Duluth, Missabe and Iron Range Rwy	40	0	0	14	0	0	54	42	0	0	16	0	0	58
Elgin, Joliet and Eastern Railway Co.	35	0	0	0	0	1	36	45	0	0	2	0	1	48
Fox River Valley Railroad Corporation	28	0	0	0	0	0	28	32	0	0	5	1	0	38
Gateway Western Railway	24	0	0	0	0	0	24	27	0	0	6	1	0	34
Houston Belt & Terminal Railway Co.	14	0	0	0	0	0	14	22	0	0	4	1	0	27
Indiana Harbor Belt Railroad Company	48	1	0	1	1	1	52	55	1	0	2	4	2	64
Long Island Rail Road	926	15	10	29	3	0	983	996	15	11	29	21	0	1,072
Monongahela Railway Company	32	0	0	0	0	0	32	38	0	0	0	0	0	38
Metro North Commuter Railroad Company	581	11	13	18	3	17	643	633	11	15	18	7	17	701
Montana Rail Link	83	0	0	0	0	0	83	110	0	0	1	0	0	111
Midsouth Rail Corporation	6	0	0	0	0	0	6	8	0	0	18	1	0	27
Northern Indiana Transport. Commuter	22	0	13	6	2	0	43	25	0	14	8	3	0	50
Northeast Illinois Regional Commuter	112	3	42	17	4	2	180	123	3	64	20	17	2	229
New Jersey Transit Rail Operations	207	5	40	45	4	3	304	240	5	51	45	5	4	350
Paducah & Louisville Railway Company	26	0	0	0	0	0	26	32	0	0	5	0	0	37
Port Authority Trans Hudson	191	0	0	74	0	0	265	209	0	0	76	0	0	285
Pittsburgh & Lake Erie Railroad Co.	28	0	0	0	0	0	28	32	0	0	0	0	0	32
Port Terminal Railroad Association	6	0	0	0	0	0	6	19	0	0	11	0	0	30
Richmond, Fredericksburg and Potomac	27	0	0	0	0	0	27	27	0	0	0	0	0	27
River Terminal Railway Company	5	0	0	0	0	1	6	6	0	0	0	0	1	7
Southeastern Pennsylvania Transport.	164	0	42	15	4	0	225	196	0	51	15	19	2	283
Southrail Corporation	8	0	0	1	0	0	9	11	0	0	9	0	0	20
Southern Pacific, Chicago-St. Louis	18	0	0	0	0	0	18	22	0	0	0	0	0	22
Texas Mexican Railway Company	23	0	0	0	0	0	23	33	0	0	3	0	0	36
Terminal Railroad Assoc. of St. Louis	17	0	0	0	0	0	17	20	0	0	0	0	0	20
Union Railroad Company (Pittsburgh)	22	0	0	0	0	0	22	24	0	0	0	0	0	24
Wisconsin Central Ltd. (also Railway)	68	0	0	0	0	0	68	76	0	0	33	1	0	110
Wheeling & Lake Erie Railway Company	25	0	0	0	0	0	25	30	0	0	15	0	0	45
Total Group II Railroads **.....	3,034	40	160	220	21	25	3,500	3,415	40	211	364	86	29	4,145
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)														
Class I Railroads	12,351	305	58	154	43	120	13,031	14,919	321	136	1,586	660	134	17,756
Group II Railroads **	3,034	40	160	220	21	25	3,500	3,415	40	211	364	86	29	4,145
All Other Railroads	1,091	1	16	13	2	52	1,175	1,292	1	35	160	23	56	1,567
Total All Railroads	16,476	346	234	387	66	197	17,706	19,626	362	382	2,110	769	219	23,468

** 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. INJURIES TO EMPLOYEES ON DUTY BY TYPE OF INJURY AND RAILROAD

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 (National RR Passenger Corp.)	0	1	0	0	0	1	12	18	19	11	14	74
Atchison, Topeka and Santa Fe Railway	0	2	0	0	0	2	10	26	14	14	12	76
Burlington Northern Railroad Company	0	4	2	1	1	8	19	63	46	19	37	184
Chicago and North Western Transport.	0	0	0	0	0	0	6	9	6	4	4	29
Consolidated Rail Corporation	1	1	1	1	0	4	15	40	18	9	14	96
CSX Transportation	0	3	2	1	0	6	26	22	26	5	19	98
Delaware and Hudson Railway Company	0	0	0	0	0	0	0	0	1	0	2	3
Denver and Rio Grande Western RR	0	0	0	0	0	0	2	3	2	0	1	8
Florida East Coast Railway Company	0	0	0	0	0	0	0	1	0	1	0	2
Grand Trunk Western Railroad Company	0	0	1	0	0	1	5	4	3	0	3	15
Illinois Central Railroad Company	0	1	0	0	0	1	4	15	6	1	6	32
Kansas City Southern Railway Company	0	0	0	0	0	0	0	2	1	0	2	5
Louisiana & Arkansas Railway Company	0	0	0	0	0	0	0	0	0	0	0	0
Norfolk Southern Corporation	0	0	0	0	0	0	10	23	12	8	14	67
Soo Line Railroad Company	0	1	0	0	0	1	4	18	11	3	4	40
Southern Pacific Transportation Co.	0	2	0	0	0	2	18	11	14	3	15	61
St. Louis Southwestern Railway Co.	0	1	0	0	0	1	5	2	3	0	2	12
Springfield Terminal Railway Company	0	1	0	0	0	1	3	3	1	1	1	9
Union Pacific Railroad Company	0	0	3	1	0	4	12	60	32	15	27	146
Total Class I Railroads.....	1	17	9	4	1	32	151	320	215	94	177	957
GROUP II RAILROADS **												
Alton & Southern Railroad	0	0	0	0	0	0	1	0	1	0	0	2
Alaska Railroad Corporation	0	0	0	0	0	0	0	4	2	0	1	7
Bangor and Aroostook Railroad	0	0	0	0	0	0	1	0	0	1	0	2
Bessemer & Lake Erie Railroad Company	0	0	0	0	0	0	0	0	0	0	1	1
Belt Railway Company Of Chicago	0	3	0	0	0	0	0	2	1	2	0	5
Birmingham Southern Railroad Company	0	0	0	0	0	0	0	0	0	0	1	1
Chicago, Central & Pacific RR Co.	0	0	0	0	0	0	0	1	1	2	0	4
Cuyahoga Valley Railway Company	0	0	0	0	0	0	0	2	1	1	0	4
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	1	1	1	0	0	3
Duluth, Missabe and Iron Range Rwy	0	0	0	0	0	0	0	1	0	0	1	2
Elgin, Joliet and Eastern Railway Co.	0	0	0	0	0	0	0	0	1	1	0	2
Fox River Valley Railroad Corporation	0	0	0	0	0	0	0	2	0	0	1	3
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	0	0	0	1	1
Indiana Harbor Belt Railroad Company	0	1	0	0	0	1	1	2	1	0	2	6
Long Island Rail Road	0	0	0	0	0	0	0	1	1	0	0	2
Monongahela Railway Company	0	0	0	0	0	0	0	1	1	0	0	2
Metro North Commuter Railroad Company	0	0	0	0	0	0	6	7	3	6	3	25
Montana Rail Link	0	0	1	0	0	1	3	5	1	0	0	9
Midsouth Rail Corporation	0	0	0	0	0	0	1	0	0	0	0	1
Northern Indiana Transport. Commuter	0	0	0	0	0	0	0	0	0	0	0	0
Northeast Illinois Regional Commuter	0	0	0	0	0	0	2	3	1	1	3	10
New Jersey Transit Rail Operations	0	1	0	0	0	1	6	6	4	3	2	21
Paducah & Louisville Railway Company	0	0	0	0	0	0	1	2	0	0	0	3
Port Authority Trans Hudson	0	0	0	0	0	0	2	3	1	0	0	6
Pittsburgh & Lake Erie Railroad Co.	0	1	0	0	0	1	1	1	1	0	0	3
Port Terminal Railroad Association	0	0	0	0	0	0	2	0	0	0	0	2
Richmond, Fredericksburg and Potomac	0	0	0	0	0	0	1	0	0	0	0	1
River Terminal Railway Company	0	0	0	0	0	0	0	0	0	0	0	0
Southeastern Pennsylvania Transport.	0	0	0	0	0	0	3	2	2	0	0	7
Southrail Corporation	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	1	2
Texas Mexican Railway Company	0	1	0	0	0	1	0	1	0	0	0	1
Terminal Railroad Assoc. of St. Louis	0	0	0	0	0	0	0	2	1	1	0	4
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin Central Ltd. (also Railway)	0	1	0	0	0	1	1	2	1	1	2	7
Wheeling & Lake Erie Railway Company	0	1	0	0	0	1	0	0	3	0	0	3
Total Group II Railroads **.....	0	6	1	0	0	7	36	58	34	22	23	173
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)												
Class I Railroads	1	17	9	4	1	32	151	320	215	94	177	957
Group II Railroads **	0	6	1	0	0	7	36	58	34	22	23	173
All Other Railroads	0	1	2	1	0	4	15	24	26	10	18	93
Total All Railroads	1	24	12	5	1	43	202	402	275	126	218	1,223

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

TABLE 40. (CONTINUED)

Railroad	<<..... OTHER INJURIES>>								Total	TOTALS
	Bruise	Sprain/ Strain	Cut	Elec Burn	Other Burns	Dislo- cation	Object in-eye	Other		
CLASS I RAILROADS										
Amtrak (National RR Passenger Corp.)	228	482	146	9	13	6	47	144	1,075	1,150
Atchison, Topeka and Santa Fe Railway	134	408	90	4	10	5	41	57	749	827
Burlington Northern Railroad Company	497	2,324	332	2	38	13	228	258	3,692	3,884
Chicago and North Western Transport.	27	218	43	2	4	1	24	15	334	363
Consolidated Rail Corporation	277	752	141	3	16	5	75	110	1,379	1,479
CSX Transportation	196	634	112	2	11	7	28	90	1,080	1,184
Delaware and Hudson Railway Company	21	26	9	0	2	0	4	5	67	70
Denver and Rio Grande Western RR	20	74	10	1	1	0	6	5	117	125
Florida East Coast Railway Company	1	2	6	1	0	0	0	0	10	12
Grand Trunk Western Railroad Company	52	150	18	0	3	0	10	17	250	266
Illinois Central Railroad Company	36	84	30	0	3	3	8	2	166	199
Kansas City Southern Railway Company	9	43	9	0	1	0	5	5	72	77
Louisiana & Arkansas Railway Company	3	10	2	0	0	0	1	6	22	22
Norfolk Southern Corporation	104	324	114	1	12	3	21	62	641	708
Soo Line Railroad Company	92	322	53	3	7	1	25	39	542	583
Southern Pacific Transportation Co.	186	523	130	5	14	7	46	62	973	1,036
St. Louis Southwestern Railway Co.	16	75	20	1	2	1	4	9	128	141
Springfield Terminal Railway Company	11	27	8	0	0	0	4	5	55	65
Union Pacific Railroad Company	284	1,180	203	0	23	10	13	286	1,999	2,149
Total Class I Railroads.....	2,194	7,658	1,476	34	160	62	590	1,177	13,351	14,340
GROUP II RAILROADS **										
Alton & Southern Railroad	2	14	1	0	0	0	1	1	19	21
Alaska Railroad Corporation	8	21	8	0	0	0	8	3	48	55
Bangor and Aroostook Railroad	5	17	5	0	0	0	1	1	29	31
Bessemer & Lake Erie Railroad Company	1	9	2	0	0	0	0	1	13	14
Belt Railway Company Of Chicago	1	1	3	0	0	0	1	1	7	12
Birmingham Southern Railroad Company	3	13	2	0	0	0	4	2	24	25
Chicago, Central & Pacific RR Co.	10	34	3	0	1	1	3	3	55	59
Cuyahoga Valley Railway Company	10	13	4	0	2	0	2	0	31	35
Dakota, Minnesota & Eastern Railroad	6	9	3	0	0	1	1	3	23	26
Duluth, Missabe and Iron Range Rwy	4	24	5	0	2	1	3	1	40	42
Elgin, Joliet and Eastern Railway Co.	16	14	5	0	3	3	1	0	42	44
Fox River Valley Railroad Corporation	3	16	7	0	0	0	2	1	29	32
Gateway Western Railway	6	13	4	0	0	0	0	3	26	26
Houston Belt & Terminal Railway Co.	2	17	1	0	0	0	1	0	21	22
Indiana Harbor Belt Railroad Company	14	24	8	0	0	0	0	2	48	55
Long Island Rail Road	192	528	79	27	11	5	73	41	956	978
Monongahela Railway Company	5	22	2	0	1	0	4	2	36	38
Metro North Commuter Railroad Company	135	261	71	21	3	12	38	33	574	599
Montana Rail Link	6	58	11	0	0	0	16	8	99	109
Midsouth Rail Corporation	2	4	0	0	0	1	0	0	7	8
Northern Indiana Transport. Commuter	8	5	5	0	0	1	1	5	25	25
Northeast Illinois Regional Commuter	18	64	15	1	0	0	8	7	113	123
New Jersey Transit Rail Operations	35	82	46	1	1	0	15	29	209	231
Paducah & Louisville Railway Company	4	16	2	0	0	0	2	4	28	31
Port Authority Trans Hudson	75	76	18	5	2	1	9	16	202	208
Pittsburgh & Lake Erie Railroad Co.	8	11	2	0	1	0	4	2	28	32
Port Terminal Railroad Association	1	10	2	0	0	0	1	2	16	18
Richmond, Fredericksburg and Potomac	6	17	2	0	0	0	1	0	26	27
River Terminal Railway Company	2	2	0	0	2	0	0	0	6	6
Southeastern Pennsylvania Transport.	48	82	21	0	0	0	12	26	189	196
Southrail Corporation	1	1	4	0	0	0	2	2	10	11
Southern Pacific, Chicago-St. Louis	5	12	3	0	0	0	0	0	20	22
Texas Mexican Railway Company	11	9	2	0	1	0	6	2	31	33
Terminal Railroad Assoc. of St. Louis	9	6	1	0	0	0	0	0	16	20
Union Railroad Company (Pittsburgh)	0	10	5	0	0	0	4	5	24	24
Wisconsin Central Ltd. (also Railway)	12	31	10	0	2	0	8	5	68	76
Wheeling & Lake Erie Railway Company	2	9	7	1	0	0	3	2	24	28
Total Group II Railroads **.....	676	1,555	369	56	32	26	235	213	3,162	3,342
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)										
Class I Railroads	2,194	7,658	1,476	34	160	62	590	1,177	13,351	14,340
Group II Railroads **	676	1,555	369	56	32	26	235	213	3,162	3,342
All Other Railroads	234	502	174	5	27	10	130	102	1,184	1,281
Total All Railroads	3,104	9,715	2,019	95	219	98	955	1,492	17,697	18,963

** 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

Railroad	< COLLISIONS > Killed/Injured		< DERAILMENTS > Killed/Injured		<...OTHER...> Killed/Injured		< T O T A L S > Killed/Injured		Rate*	Train Miles
CLASS I RAILROADS										
Amtrak (National RR Passenger Corp.)	0	3	8	53	5	7	13	63	1.96	38,779,087
Aitchison, Topeka and Santa Fe Railway	0	2	0	1	2	4	2	7	0.21	42,269,713
Burlington Northern Railroad Company	4	20	1	18	3	19	8	57	0.75	87,050,758
Chicago and North Western Transport.	0	1	0	1	0	2	0	4	0.25	16,301,204
Consolidated Rail Corporation	0	12	0	7	1	10	1	29	0.72	41,843,704
CSX Transportation	0	15	0	13	3	10	3	38	0.59	69,771,321
Delaware and Hudson Railway Company	0	0	0	0	0	0	0	0	0.00	1,469,576
Denver and Rio Grande Western RR	0	0	0	0	2	2	2	2	0.78	5,148,122
Florida East Coast Railway Company	0	0	0	1	0	0	0	1	0.31	3,247,689
Grand Trunk Western Railroad Company	0	0	0	0	0	0	0	0	0.00	5,175,051
Illinois Central Railroad Company	0	0	0	0	0	3	0	3	0.40	7,541,892
Kansas City Southern Railway Company	0	0	0	0	0	1	0	1	0.24	4,230,131
Louisiana & Arkansas Railway Company	0	0	0	0	0	0	0	0	0.00	2,007,963
Norfolk Southern Corporation	1	11	0	3	0	9	1	23	0.53	45,495,885
Soo Line Railroad Company	0	4	0	1	2	5	2	10	1.16	10,362,376
Southern Pacific Transportation Co.	0	7	1	57	2	11	3	75	2.28	34,173,785
St. Louis Southwestern Railway Co.	0	3	0	0	1	7	1	10	1.27	8,653,697
Springfield Terminal Railway Company	0	0	0	2	0	0	0	2	1.88	1,061,921
Union Pacific Railroad Company	0	12	0	12	7	23	7	47	0.68	79,048,979
Total Class I Railroads.....	5	90	10	169	28	113	43	372	0.82	503,632,854
GROUP II RAILROADS **										
Alton & Southern Railroad	0	0	0	0	0	0	0	0	0.00	671,141
Alaska Railroad Corporation	0	0	0	0	0	0	0	0	0.00	959,025
Bangor and Aroostook Railroad	0	0	0	0	0	1	0	1	2.52	396,306
Bessemer & Lake Erie Railroad Company	0	0	0	0	0	0	0	0	0.00	247,222
Belt Railway Company Of Chicago	0	0	0	0	0	0	0	0	0.00	449,672
Birmingham Southern Railroad Company	0	0	0	1	0	0	0	1	4.82	207,540
Chicago, Central & Pacific RR Co.	0	0	0	0	0	1	0	1	0.99	1,008,126
Cuyahoga Valley Railway Company	0	0	0	0	0	0	0	0	0.00	317,904
Dakota, Minnesota & Eastern Railroad	0	0	0	0	1	0	1	0	1.53	651,977
Duluth, Missabe and Iron Range Rwy	0	0	0	0	0	0	0	0	0.00	887,229
Elgin, Joliet and Eastern Railway Co.	0	0	0	0	0	0	0	0	0.00	1,450,058
Fox River Valley Railroad Corporation	0	0	0	0	0	0	0	0	0.00	1,297,563
Gateway Western Railway	0	0	0	0	0	0	0	0	0.00	779,738
Houston Belt & Terminal Railway Co.	0	0	0	0	0	0	0	0	0.00	686,821
Indiana Harbor Belt Railroad Company	0	0	0	0	0	0	0	0	0.00	1,098,490
Long Island Rail Road	0	3	0	0	0	7	0	10	1.22	8,184,190
Monongahela Railway Company	0	0	0	0	0	0	0	0	0.00	246,406
Metro North Commuter Railroad Company	0	0	0	0	1	7	1	7	1.12	7,159,111
Montana Rail Link	0	1	0	0	0	0	0	1	0.26	3,783,742
Midsouth Rail Corporation	0	0	0	0	0	0	0	0	0.00	836,747
Northern Indiana Transport. Commuter	0	0	0	0	0	1	0	1	1.46	682,938
Northeast Illinois Regional Commuter	0	0	0	0	1	22	1	22	7.57	3,037,860
New Jersey Transit Rail Operations	0	0	0	0	0	0	0	0	0.00	6,648,126
Paducah & Louisville Railway Company	0	0	0	0	0	0	0	0	0.00	655,025
Port Authority Trans Hudson	0	1	0	0	0	7	0	8	5.12	1,563,273
Pittsburgh & Lake Erie Railroad Co.	0	0	0	0	0	0	0	0	0.00	137,909
Port Terminal Railroad Association	0	1	0	0	0	1	0	2	2.52	793,296
Richmond, Fredericksburg and Potomac	0	0	0	0	0	0	0	0	0.00	622,679
River Terminal Railway Company	0	1	0	0	0	0	0	1	3.12	320,520
Southeastern Pennsylvania Transport.	0	2	0	0	0	3	0	5	1.02	4,924,725
Southrail Corporation	0	0	0	0	0	0	0	0	0.00	429,927
Southern Pacific, Chicago-St. Louis	0	0	0	1	0	0	0	1	0.86	1,159,894
Texas Mexican Railway Company	0	0	0	0	0	0	0	0	0.00	262,151
Terminal Railroad Assoc. of St. Louis	0	0	0	0	0	0	0	0	0.00	522,237
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0	0	0.00	312,252
Wisconsin Central Ltd. (also Railway)	0	0	0	0	0	1	0	1	0.40	2,493,787
Wheeling & Lake Erie Railway Company	0	0	0	0	0	1	0	1	1.92	521,852
Total Group II Railroads **.....	0	9	0	2	3	52	3	63	1.17	56,407,459
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)										
Class I Railroads	5	90	10	169	28	113	43	372	0.82	503,632,854
Group II Railroads **	0	9	0	2	3	52	3	63	1.17	56,407,459
All Other Railroads	0	4	0	3	3	18	3	25	1.67	16,794,577
Total All Railroads	5	103	10	174	34	183	49	460	0.88	576,834,890

* NOTE: Injured columns include non-fatal occupational illnesses.

Rate is frequency per 1,000,000 train miles.

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

TABLE 42. CASUALTIES TO EMPLOYEES ON DUTY BY JOB CATEGORY AND RAILROAD

Railroad	I. Exec Office Staff II. Prof,Clerical,Gen Killed/Injured/Illness			III. Maintenance of Way & Structures Killed/Injured/Illness			IV. Maintenance of Equipment & Stores Killed/Injured/Illness		
CLASS I RAILROADS									
Amtrak (National RR Passenger Corp.)	0	81	0	0	260	1	0	390	1
Atchison, Topeka and Santa Fe Railway	0	29	1	1	251	7	0	207	5
Burlington Northern Railroad Company	0	113	10	1	1,095	59	0	802	137
Chicago and North Western Transport.	0	6	1	0	122	6	0	81	2
Consolidated Rail Corporation	0	84	2	0	337	6	0	311	10
CSX Transportation	0	60	0	0	308	3	0	297	7
Delaware and Hudson Railway Company	0	4	0	0	35	0	0	8	0
Denver and Rio Grande Western RR	0	2	0	1	30	0	0	23	0
Florida East Coast Railway Company	0	0	0	0	3	0	0	6	0
Grand Trunk Western Railroad Company	0	17	0	0	38	0	0	82	0
Illinois Central Railroad Company	0	3	0	0	67	2	1	28	1
Kansas City Southern Railway Company	0	1	0	0	20	0	0	13	0
Louisiana & Arkansas Railway Company	0	0	0	0	8	0	0	1	0
Norfolk Southern Corporation	1	31	0	0	189	2	1	208	2
Soo Line Railroad Company	0	12	5	0	287	4	0	67	1
Southern Pacific Transportation Co.	0	83	4	1	274	11	0	267	10
St. Louis Southwestern Railway Co.	0	9	0	0	38	1	0	33	0
Springfield Terminal Railway Company	0	1	0	0	24	0	0	21	0
Union Pacific Railroad Company	2	120	53	1	532	26	0	419	19
Total Class I Railroads.....	3	656	76	5	3,918	128	2	3,264	195
GROUP II RAILROADS **									
Alton & Southern Railroad	0	0	0	0	1	0	0	3	0
Alaska Railroad Corporation	0	5	0	0	20	1	0	15	0
Bangor and Aroostook Railroad	0	0	0	0	14	1	0	9	0
Bessemer & Lake Erie Railroad Company	0	0	0	0	10	0	0	3	0
Belt Railway Company Of Chicago	0	0	0	0	5	0	0	2	0
Birmingham Southern Railroad Company	0	1	0	0	3	0	0	9	0
Chicago, Central & Pacific RR Co.	0	2	0	0	17	0	0	20	0
Cuyahoga Valley Railway Company	0	0	0	0	7	0	0	10	0
Dakota, Minnesota & Eastern Railroad	0	0	0	0	5	0	0	5	0
Duluth, Missabe and Iron Range Rwy	0	1	0	0	13	0	0	21	0
Elgin, Joliet and Eastern Railway Co.	0	5	0	0	9	0	0	8	0
Fox River Valley Railroad Corporation	0	1	0	0	13	0	0	3	0
Gateway Western Railway	0	0	0	0	9	1	0	0	0
Houston Belt & Terminal Railway Co.	0	0	0	0	9	0	0	7	0
Indiana Harbor Belt Railroad Company	0	4	0	0	13	0	0	12	0
Long Island Rail Road	0	82	1	0	283	12	0	358	3
Monongahela Railway Company	0	3	0	0	23	0	0	5	0
Metro North Commuter Railroad Company	0	102	4	1	211	1	0	163	3
Montana Rail Link	0	2	0	0	29	0	0	17	0
Midsouth Rail Corporation	0	2	0	0	2	0	0	0	0
Northern Indiana Transport. Commuter	0	1	0	0	16	0	0	4	0
Northeast Illinois Regional Commuter	0	20	0	0	24	0	0	57	0
New Jersey Transit Rail Operations	0	28	1	0	91	7	0	37	0
Paducah & Louisville Railway Company	0	2	0	0	7	0	0	9	0
Port Authority Trans Hudson	0	11	0	0	64	1	0	55	0
Pittsburgh & Lake Erie Railroad Co.	0	1	0	0	11	0	0	12	0
Port Terminal Railroad Association	0	1	0	0	2	0	0	2	0
Richmond, Fredericksburg and Potomac	0	3	0	0	8	0	0	8	0
River Terminal Railway Company	0	0	0	0	0	0	0	1	0
Southeastern Pennsylvania Transport.	0	7	0	0	60	0	1	34	0
Southrail Corporation	0	0	0	0	4	0	0	2	0
Southern Pacific, Chicago-St. Louis	0	0	0	0	11	0	0	0	0
Texas Mexican Railway Company	0	1	0	0	4	0	0	11	0
Terminal Railroad Assoc. of St. Louis	0	1	0	0	12	0	0	1	0
Union Railroad Company (Pittsburgh)	0	0	0	0	13	0	0	7	0
Wisconsin Central Ltd. (also Railway)	0	2	0	0	17	0	0	27	0
Wheeling & Lake Erie Railway Company	0	0	0	0	10	2	0	7	0
Total Group II Railroads **.....	0	288	6	1	1,050	26	1	944	6
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)									
Class I Railroads	3	656	76	5	3,918	128	2	3,264	195
Group II Railroads **	0	288	6	1	1,050	26	1	944	6
All Other Railroads	0	19	0	0	466	3	0	344	3
Total All Railroads	3	963	82	6	5,434	157	3	4,552	204

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

TABLE 42. (CONTINUED)

Railroad	V. Transportation Non-train & Engine			VI. Transportation Train & Engine		
	Killed/Injured/Illness			Killed/Injured/Illness		
CLASS I RAILROADS						
Amtrak (National RR Passenger Corp.)	0	234	0	0	185	0
Atchison, Topeka and Santa Fe Railway	0	5	1	0	335	10
Burlington Northern Railroad Company	0	41	13	4	1,833	64
Chicago and North Western Transport.	0	14	0	1	140	2
Consolidated Rail Corporation	0	31	0	3	716	35
CSX Transportation	0	21	0	3	498	2
Delaware and Hudson Railway Company	0	0	0	0	23	0
Denver and Rio Grande Western RR	0	3	0	2	67	0
Florida East Coast Railway Company	0	2	0	0	1	0
Grand Trunk Western Railroad Company	0	2	0	0	127	0
Illinois Central Railroad Company	0	2	0	1	99	2
Kansas City Southern Railway Company	0	0	0	0	43	0
Louisiana & Arkansas Railway Company	0	0	0	0	13	1
Norfolk Southern Corporation	0	16	0	3	264	1
Soo Line Railroad Company	0	9	0	1	208	7
Southern Pacific Transportation Co.	0	8	0	0	404	17
St. Louis Southwestern Railway Co.	0	0	0	0	61	2
Springfield Terminal Railway Company	0	0	0	0	19	0
Union Pacific Railroad Company	0	14	1	2	1,064	22
Total Class I Railroads.....	0	402	15	20	6,100	165
GROUP II RAILROADS **						
Alton & Southern Railroad	0	0	0	0	17	1
Alaska Railroad Corporation	0	6	0	0	9	0
Bangor and Aroostook Railroad	0	0	0	0	8	0
Bessemer & Lake Erie Railroad Company	0	0	0	0	1	0
Belt Railway Company Of Chicago	0	0	0	0	5	0
Birmingham Southern Railroad Company	0	0	0	0	12	0
Chicago, Central & Pacific RR Co.	0	0	0	0	20	0
Cuyahoga Valley Railway Company	0	0	0	0	18	0
Dakota, Minnesota & Eastern Railroad	0	0	0	0	16	1
Duluth, Missabe and Iron Range Rwy	0	0	0	0	7	0
Elgin, Joliet and Eastern Railway Co.	0	3	1	0	19	0
Fox River Valley Railroad Corporation	0	1	0	0	14	0
Gateway Western Railway	0	1	0	0	16	0
Houston Belt & Terminal Railway Co.	0	0	0	0	6	0
Indiana Harbor Belt Railroad Company	0	0	0	0	26	0
Long Island Rail Road	0	16	0	1	239	2
Monongahela Railway Company	0	1	0	0	6	0
Metro North Commuter Railroad Company	0	1	8	1	122	18
Montana Rail Link	0	0	1	0	61	0
Midsouth Rail Corporation	0	0	0	0	4	0
Northern Indiana Transport. Commuter	0	0	0	0	4	0
Northeast Illinois Regional Commuter	0	2	0	0	20	0
New Jersey Transit Rail Operations	0	1	0	0	74	1
Paducah & Louisville Railway Company	0	0	0	0	13	1
Port Authority Trans Hudson	0	6	0	0	72	0
Pittsburgh & Lake Erie Railroad Co.	0	1	0	0	7	0
Port Terminal Railroad Association	0	0	0	0	13	1
Richmond, Fredericksburg and Potomac	0	0	0	0	8	0
River Terminal Railway Company	0	1	0	0	4	0
Southeastern Pennsylvania Transport.	0	28	0	0	67	0
Southrail Corporation	0	0	0	0	5	0
Southern Pacific, Chicago-St. Louis	0	0	0	0	11	0
Texas Mexican Railway Company	0	0	0	0	17	0
Terminal Railroad Assoc. of St. Louis	0	0	0	1	6	0
Union Railroad Company (Pittsburgh)	0	1	0	0	3	0
Wisconsin Central Ltd. (also Railway)	0	3	0	0	27	0
Wheeling & Lake Erie Railway Company	0	2	0	0	9	0
Total Group II Railroads **.....	0	74	10	3	986	25
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)						
Class I Railroads	0	402	15	20	6,100	165
Group II Railroads **	0	74	10	3	986	25
All Other Railroads	0	45	0	0	407	5
Total All Railroads	0	521	25	23	7,493	195

** 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

Railroad	Fatalities		Injuries		Illnesses		T O T A L		Employee Manhours
	#	Rate*	#	Rate*	#	Rate*	#	Rate*	
CLASS I RAILROADS									
Amtrak (National RR Passenger Corp.)	0	0.00	1,150	4.91	2	0.01	1,152	4.92	46,796,553
Atchison, Topeka and Santa Fe Railway	1	0.01	827	6.17	24	0.18	852	6.36	26,796,510
Burlington Northern Railroad Company	5	0.02	3,884	12.99	283	0.95	4,172	13.95	59,817,501
Chicago and North Western Transport.	1	0.01	363	5.17	11	0.16	375	5.34	14,042,970
Consolidated Rail Corporation	3	0.01	1,479	6.35	53	0.23	1,535	6.59	46,612,224
CSX Transportation	3	0.01	1,184	3.80	12	0.04	1,199	3.85	62,261,619
Delaware and Hudson Railway Company	0	0.00	70	8.76	0	0.00	70	8.76	1,598,092
Denver and Rio Grande Western RR	3	0.13	125	5.34	0	0.00	128	5.47	4,682,741
Florida East Coast Railway Company	0	0.00	12	1.20	0	0.00	12	1.20	1,997,873
Grand Trunk Western Railroad Company	0	0.00	266	9.08	0	0.00	266	9.08	5,855,854
Illinois Central Railroad Company	2	0.05	199	5.27	5	0.13	206	5.46	7,549,272
Kansas City Southern Railway Company	0	0.00	77	7.65	0	0.00	77	7.65	2,012,917
Louisiana & Arkansas Railway Company	0	0.00	22	2.44	1	0.11	23	2.55	1,806,756
Norfolk Southern Corporation	5	0.02	708	2.77	5	0.02	718	2.81	51,109,140
Soo Line Railroad Company	1	0.02	583	12.63	17	0.37	601	13.02	9,231,594
Southern Pacific Transportation Co.	1	0.01	1,036	6.41	42	0.26	1,079	6.67	32,336,650
St. Louis Southwestern Railway Co.	0	0.00	141	6.16	3	0.13	144	6.29	4,580,473
Springfield Terminal Railway Company	0	0.00	65	5.43	0	0.00	65	5.43	2,393,537
Union Pacific Railroad Company	5	0.02	2,149	7.23	121	0.41	2,275	7.65	59,439,382
Total Class I Railroads.....	30	0.01	14,340	6.50	579	0.26	14,949	6.78	440,921,658
GROUP II RAILROADS **									
Alton & Southern Railroad	0	0.00	21	5.92	1	0.28	22	6.20	709,128
Alaska Railroad Corporation	0	0.00	55	9.52	1	0.17	56	9.69	1,155,782
Bangor and Aroostook Railroad	0	0.00	31	9.68	1	0.31	32	9.99	640,562
Bessemer & Lake Erie Railroad Company	0	0.00	14	3.36	0	0.00	14	3.36	834,286
Belt Railway Company Of Chicago	0	0.00	12	3.80	0	0.00	12	3.80	631,428
Birmingham Southern Railroad Company	0	0.00	25	11.21	0	0.00	25	11.21	445,956
Chicago, Central & Pacific RR Co.	0	0.00	59	11.46	0	0.00	59	11.46	1,030,025
Cuyahoga Valley Railway Company	0	0.00	35	15.86	0	0.00	35	15.86	441,367
Dakota, Minnesota & Eastern Railroad	0	0.00	26	10.82	1	0.42	27	11.24	480,466
Duluth, Missabe and Iron Range Rwy	0	0.00	42	5.55	0	0.00	42	5.55	1,513,496
Elgin, Joliet and Eastern Railway Co.	0	0.00	44	4.26	1	0.10	45	4.36	2,065,060
Fox River Valley Railroad Corporation	0	0.00	32	11.73	0	0.00	32	11.73	545,545
Gateway Western Railway	0	0.00	26	11.09	1	0.43	27	11.52	468,891
Houston Belt & Terminal Railway Co.	0	0.00	22	4.89	0	0.00	22	4.89	900,094
Indiana Harbor Belt Railroad Company	0	0.00	55	6.12	0	0.00	55	6.12	1,798,164
Long Island Rail Road	1	0.02	978	15.03	18	0.28	997	15.32	13,012,673
Monongahela Railway Company	0	0.00	38	15.81	0	0.00	38	15.81	480,614
Metro North Commuter Railroad Company	2	0.04	599	10.96	34	0.62	635	11.62	10,927,437
Montana Rail Link	0	0.00	109	10.76	1	0.10	110	10.85	2,026,760
Midsouth Rail Corporation	0	0.00	8	1.95	0	0.00	8	1.95	819,119
Northern Indiana Transport. Commuter	0	0.00	25	11.92	0	0.00	25	11.92	419,292
Northeast Illinois Regional Commuter	0	0.00	123	5.82	0	0.00	123	5.82	4,228,647
New Jersey Transit Rail Operations	0	0.00	231	5.90	9	0.23	240	6.13	7,826,852
Paducah & Louisville Railway Company	0	0.00	31	8.94	1	0.29	32	9.23	693,603
Port Authority Trans Hudson	0	0.00	208	15.27	1	0.07	209	15.35	2,723,476
Pittsburgh & Lake Erie Railroad Co.	0	0.00	32	12.74	0	0.00	32	12.74	502,331
Port Terminal Railroad Association	0	0.00	18	4.93	1	0.27	19	5.20	730,152
Richmond, Fredericksburg and Potomac	0	0.00	27	6.21	0	0.00	27	6.21	869,491
River Terminal Railway Company	0	0.00	6	2.93	0	0.00	6	2.93	409,331
Southeastern Pennsylvania Transport.	1	0.06	196	10.86	0	0.00	197	10.91	3,611,008
Southrail Corporation	0	0.00	11	3.99	0	0.00	11	3.99	551,707
Southern Pacific, Chicago-St. Louis	0	0.00	22	8.03	0	0.00	22	8.03	548,070
Texas Mexican Railway Company	0	0.00	33	14.51	0	0.00	33	14.51	454,731
Terminal Railroad Assoc. of St. Louis	1	0.25	20	5.10	0	0.00	21	5.35	784,656
Union Railroad Company (Pittsburgh)	0	0.00	24	8.10	0	0.00	24	8.10	592,659
Wisconsin Central Ltd. (also Railway)	0	0.00	76	6.70	0	0.00	76	6.70	2,267,411
Wheeling & Lake Erie Railway Company	0	0.00	28	8.46	2	0.60	30	9.06	662,040
Total Group II Railroads **.....	5	0.01	3,342	9.71	73	0.21	3,420	9.94	68,802,310
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)									
Class I Railroads	30	0.01	14,340	6.50	579	0.26	14,949	6.78	440,921,658
Group II Railroads **	5	0.01	3,342	9.71	73	0.21	3,420	9.94	68,802,310
All Other Railroads	0	0.00	1,281	12.24	11	0.11	1,292	12.34	20,936,792
Total All Railroads	35	0.01	18,963	7.15	663	0.25	19,661	7.41	530,660,760

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

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

TABLE 44. SUMMARY OF NONFATAL INJURIES TO EMPLOYEES ON DUTY BY RAILROAD

Railroad	TOTAL CASES*	<CASES with DAYS-AWAY-FROM-WORK or DAYS-OF-RESTRICTION>					Other Cases
		< Total Cases	Lost-Day Cases	Restricted Cases	Away-fr-work Days	Restricted> Days	
CLASS I RAILROADS							
Amtrak (National RR Passenger Corp.)	1,150	894	869	25	49,471	932	256
Aitchison, Topeka and Santa Fe Railway	827	603	477	126	24,433	7,576	224
Burlington Northern Railroad Company	3,884	3,305	2,887	418	151,429	18,467	579
Chicago and North Western Transport.	363	269	268	1	16,063	10	94
Consolidated Rail Corporation	1,479	1,249	1,219	30	106,923	744	230
CSX Transportation	1,184	1,034	1,019	15	95,271	792	150
Delaware and Hudson Railway Company	70	45	18	27	1,073	225	25
Denver and Rio Grande Western RR	125	101	80	21	1,798	350	24
Florida East Coast Railway Company	12	5	2	3	20	93	7
Grand Trunk Western Railroad Company	266	198	179	19	4,378	230	68
Illinois Central Railroad Company	199	131	129	2	3,127	61	68
Kansas City Southern Railway Company	77	54	54	0	2,059	0	23
Louisiana & Arkansas Railway Company	22	17	17	0	550	0	5
Norfolk Southern Corporation	708	550	486	64	34,982	1,621	158
Soo Line Railroad Company	583	439	327	112	9,497	2,338	144
Southern Pacific Transportation Co.	1,036	801	721	80	54,499	1,676	235
St. Louis Southwestern Railway Co.	141	114	101	13	10,631	128	27
Springfield Terminal Railway Company	65	49	30	19	2,090	232	16
Union Pacific Railroad Company	2,149	1,675	1,356	319	84,850	10,636	474
Total Class I Railroads.....	14,340	11,533	10,239	1,294	653,144	46,111	2,807
GROUP II RAILROADS **							
Alton & Southern Railroad	21	19	17	2	896	160	2
Alaska Railroad Corporation	55	32	20	12	342	527	23
Bangor and Aroostook Railroad	31	23	22	1	426	75	8
Bessemer & Lake Erie Railroad Company	14	6	5	1	47	2	8
Belt Railway Company Of Chicago	12	11	8	3	286	26	1
Birmingham Southern Railroad Company	25	19	7	12	294	139	6
Chicago, Central & Pacific RR Co.	59	50	39	11	494	128	9
Cuyahoga Valley Railway Company	35	32	28	4	1,059	80	3
Dakota, Minnesota & Eastern Railroad	26	17	17	0	227	25	9
Duluth, Missabe and Iron Range Rwy	42	28	6	22	95	276	14
Elgin, Joliet and Eastern Railway Co.	44	22	5	17	39	345	22
Fox River Valley Railroad Corporation	32	23	21	2	174	35	9
Gateway Western Railway	26	21	19	2	1,185	30	5
Houston Belt & Terminal Railway Co.	22	15	15	0	355	0	7
Indiana Harbor Belt Railroad Company	55	49	39	10	1,164	192	6
Long Island Rail Road	978	954	951	3	22,148	330	24
Monongahela Railway Company	38	31	31	0	654	0	7
Metro North Commuter Railroad Company	599	465	320	145	10,219	2,546	134
Montana Rail Link	109	66	60	6	1,330	1,503	43
Midsouth Rail Corporation	8	6	5	1	378	85	2
Northern Indiana Transport. Commuter	25	13	12	1	155	3	12
Northeast Illinois Regional Commuter	123	105	105	0	1,196	0	18
New Jersey Transit Rail Operations	231	166	153	13	3,868	330	65
Paducah & Louisville Railway Company	31	20	17	3	105	34	11
Port Authority Trans Hudson	208	208	208	0	3,746	1	0
Pittsburgh & Lake Erie Railroad Co.	32	14	13	1	681	10	18
Port Terminal Railroad Association	18	16	15	1	1,180	32	2
Richmond, Fredericksburg and Potomac	27	23	23	0	768	0	4
River Terminal Railway Company	6	3	2	1	100	3	3
Southeastern Pennsylvania Transport.	196	172	172	0	4,149	0	24
Southrail Corporation	11	5	4	1	296	11	6
Southern Pacific, Chicago-St. Louis	22	16	15	1	2,041	15	6
Texas Mexican Railway Company	33	30	24	6	543	59	3
Terminal Railroad Assoc. of St. Louis	20	13	13	0	642	40	7
Union Railroad Company (Pittsburgh)	24	7	5	2	162	15	17
Wisconsin Central Ltd. (also Railway)	76	47	44	3	738	301	29
Wheeling & Lake Erie Railway Company	28	12	12	0	157	61	16
TOTAL GROUP II RAILROADS.....	3,342	2,759	2,472	287	62,339	7,419	583
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)							
Class I Railroads	14,340	11,533	10,239	1,294	653,144	46,111	2,807
Group II Railroads **	3,342	2,759	2,472	287	62,339	7,419	583
All Other Railroads	1,281	722	596	126	11,368	3,173	559
Total All Railroads	18,963	15,014	13,307	1,707	726,851	56,703	3,949

* 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

Railroad	TOTAL CASES	Fatalities	< INJURY C A S E S REPORTED FOR FOLLOWING REASONS >					Occupational Illnesses
			<Total Injuries	Days-Away From-Work	Restricted Activity	Medication	Medical Treatment	
CLASS I RAILROADS								
Amtrak (National RR Passenger Corp.)	1,152	0	1,150	869	25	91	165	2
Atchison, Topeka and Santa Fe Railway	852	1	827	477	126	56	168	24
Burlington Northern Railroad Company	4,172	5	3,884	2,887	418	19	560	283
Chicago and North Western Transport.	375	1	363	268	1	38	56	11
Consolidated Rail Corporation	1,535	3	1,479	1,219	30	72	158	53
CSX Transportation	1,199	3	1,184	1,019	15	54	96	12
Delaware and Hudson Railway Company	70	0	70	18	27	10	15	0
Denver and Rio Grande Western RR	128	3	125	80	21	0	24	0
Florida East Coast Railway Company	12	0	12	2	3	2	5	0
Grand Trunk Western Railroad Company	266	0	266	179	19	49	19	0
Illinois Central Railroad Company	206	2	199	129	2	32	36	5
Kansas City Southern Railway Company	77	0	77	54	0	0	23	0
Louisiana & Arkansas Railway Company	23	0	22	17	0	0	5	1
Norfolk Southern Corporation	718	5	708	486	64	15	143	5
Soo Line Railroad Company	601	1	583	327	112	42	102	17
Southern Pacific Transportation Co.	1,079	1	1,036	721	80	0	235	42
St. Louis Southwestern Railway Co.	144	0	141	101	13	0	27	3
Springfield Terminal Railway Company	65	0	65	30	19	9	7	0
Union Pacific Railroad Company	2,275	5	2,149	1,356	319	163	311	121
Total Class I Railroads.....	14,949	30	14,340	10,239	1,294	652	2,155	579
GROUP II RAILROADS **								
Alton & Southern Railroad	22	0	21	17	2	0	2	1
Alaska Railroad Corporation	56	0	55	20	12	8	15	1
Bangor and Aroostook Railroad	32	0	31	22	1	0	8	1
Bessemer & Lake Erie Railroad Company	14	0	14	5	1	5	3	0
Belt Railway Company Of Chicago	12	0	12	8	3	0	1	0
Birmingham Southern Railroad Company	25	0	25	7	12	1	5	0
Chicago, Central & Pacific RR Co.	59	0	59	39	11	4	5	0
Cuyahoga Valley Railway Company	35	0	35	28	4	0	3	0
Dakota, Minnesota & Eastern Railroad	27	0	26	17	0	0	9	1
Duluth, Missabe and Iron Range Rwy	42	0	42	6	22	7	7	0
Elgin, Joliet and Eastern Railway Co.	45	0	44	5	17	16	6	1
Fox River Valley Railroad Corporation	32	0	32	21	2	1	8	0
Gateway Western Railway	27	0	26	19	2	1	4	1
Houston Belt & Terminal Railway Co.	22	0	22	15	0	0	7	0
Indiana Harbor Belt Railroad Company	55	0	55	39	10	0	6	0
Long Island Rail Road	997	1	978	951	3	19	5	18
Monongahela Railway Company	38	0	38	31	0	3	4	0
Metro North Commuter Railroad Company	635	2	599	320	145	60	74	34
Montana Rail Link	110	0	109	60	6	12	31	1
Midsouth Rail Corporation	8	0	8	5	1	0	2	0
Northern Indiana Transport. Commuter	25	0	25	12	1	6	6	0
Northeast Illinois Regional Commuter	123	0	123	105	0	2	16	0
New Jersey Transit Rail Operations	240	0	231	153	13	23	42	9
Paducah & Louisville Railway Company	32	0	31	17	3	0	11	1
Port Authority Trans Hudson	209	0	208	208	0	0	0	1
Pittsburgh & Lake Erie Railroad Co.	32	0	32	13	1	18	0	0
Port Terminal Railroad Association	19	0	18	15	1	2	0	1
Richmond, Fredericksburg and Potomac	27	0	27	23	0	0	4	0
River Terminal Railway Company	6	0	6	2	1	0	3	0
Southeastern Pennsylvania Transport.	197	1	196	172	0	0	24	0
Southrail Corporation	11	0	11	4	1	1	5	0
Southern Pacific, Chicago-St. Louis	22	0	22	15	1	0	6	0
Texas Mexican Railway Company	33	0	33	24	6	0	3	0
Terminal Railroad Assoc. of St. Louis	21	1	20	13	0	0	7	0
Union Railroad Company (Pittsburgh)	24	0	24	5	2	9	8	0
Wisconsin Central Ltd. (also Railway)	76	0	76	44	3	12	17	0
Wheeling & Lake Erie Railway Company	30	0	28	12	0	5	11	2
TOTAL GROUP II RAILROADS.....	3,420	5	3,342	2,472	287	215	368	73
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)								
Class I Railroads	14,949	30	14,340	10,239	1,294	652	2,155	579
Group II Railroads **	3,420	5	3,342	2,472	287	215	368	73
All Other Railroads	1,292	0	1,281	596	126	68	491	11
Total All Railroads	19,661	35	18,963	13,307	1,707	935	3,014	663

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.

P A G E

L E F T B L A N K I N T E N T I O N A L L Y

7. CASUALTIES: EMPLOYEES, TRESPASSERS, NONTRESPASSERS AND OTHERS

SUMMARY OF CASUALTIES

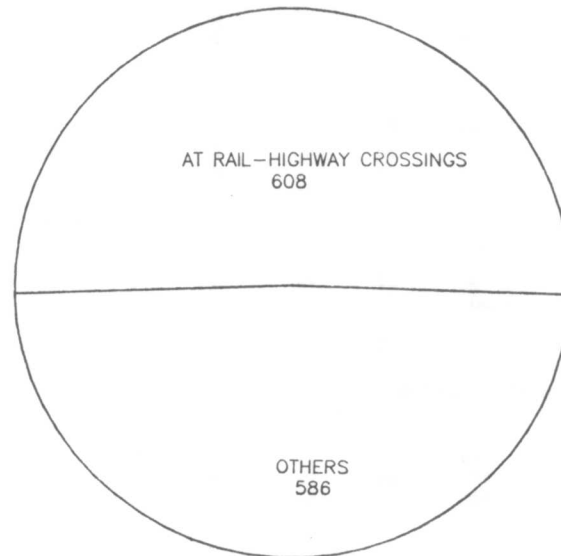


FIGURE 28. FATALITIES: RAIL-HIGHWAY CROSSINGS AND OTHER

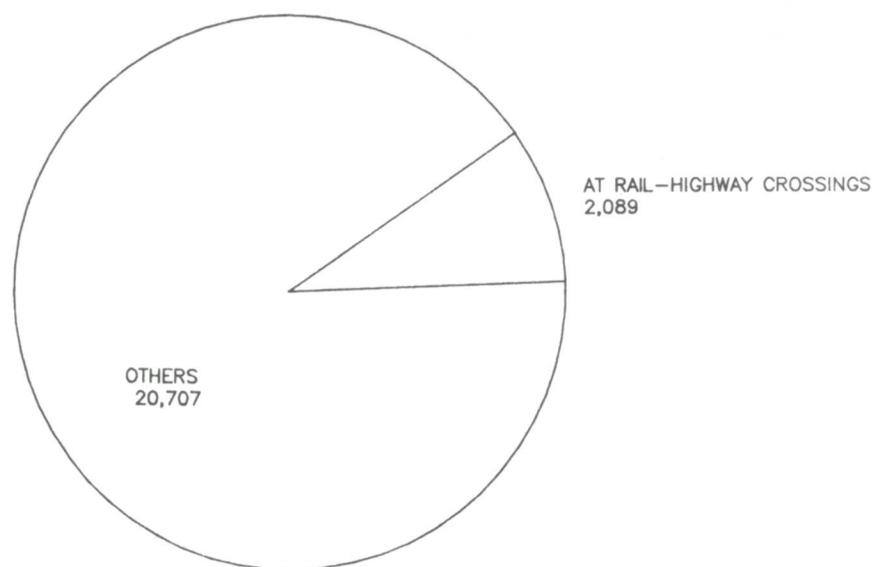


FIGURE 29. INJURIES: RAIL-HIGHWAY CROSSINGS AND OTHER

TABLE 46. FATALITIES BY TYPE OF ACCIDENT/INCIDENT, TYPE OF RAILROAD, AND TYPE OF PERSON

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	95	8	18	8	0	8	0	8	0	0	2
Group II Railroads **	14	1	1	1	0	1	0	0	0	0	0
All Other Railroads	6	0	0	0	0	0	0	0	0	0	0
Total All Railroads	115	9	19	9	0	9	0	8	0	0	2
TRAIN INCIDENTS											
Class I Railroads	3,119	471	477	9	1	10	1	0	12	3	451
Group II Railroads **	484	58	58	2	1	3	0	0	1	0	54
All Other Railroads	202	4	4	0	0	0	0	0	0	0	4
Total All Railroads	3,805	533	539	11	2	13	1	0	13	3	509
NON-TRAIN INCIDENTS											
Class I Railroads	12,781	20	21	2	9	11	0	0	3	0	7
Group II Railroads **	3,501	6	6	0	1	1	0	0	0	0	5
All Other Railroads	1,167	1	1	0	0	0	0	0	0	0	1
Total All Railroads	17,449	27	28	2	10	12	0	0	3	0	13
HIGHWAY-RAIL CROSSING (Excluded from above categories)											
Class I Railroads	1,664	463	561	1	0	1	0	0	435	0	125
Group II Railroads **	137	22	31	0	0	0	0	0	19	0	12
All Other Railroads	132	14	16	0	0	0	0	0	14	0	2
Total All Railroads	1,933	499	608	1	0	1	0	0	468	0	139
T O T A L S											
Class I Railroads	17,659	962	1,077	20	10	30	1	8	450	3	585
Group II Railroads **	4,136	87	96	3	2	5	0	0	20	0	71
All Other Railroads	1,507	19	21	0	0	0	0	0	14	0	7
Total All Railroads	23,302	1,068	1,194	23	12	35	1	8	484	3	663

* 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**

Type of Accident/Incident	TOTAL*		Injury Total Injured	<EMPLOYEES-ON-DUTY>			Enod	Psgr	Nont	Contr	Tres
	A/I	A/I		Trnmn	Other	Total					
TRAIN ACCIDENTS											
Class I Railroads	95	86	281	159	29	188	7	32	49	0	5
Group II Railroads **	14	13	26	20	5	25	0	0	1	0	0
All Other Railroads	6	6	8	7	0	7	0	0	0	1	0
Total All Railroads	115	105	315	186	34	220	7	32	50	1	5
TRAIN INCIDENTS											
Class I Railroads	3,119	2,597	2,681	1,834	349	2,183	5	46	19	12	416
Group II Railroads **	484	412	413	275	56	331	0	30	7	3	42
All Other Railroads	202	196	208	142	39	181	0	18	0	3	6
Total All Railroads	3,805	3,205	3,302	2,251	444	2,695	5	94	26	18	464
NON-TRAIN INCIDENTS											
Class I Railroads	12,781	12,256	12,488	3,994	7,851	11,845	302	58	123	118	42
Group II Railroads **	3,501	3,440	3,444	684	2,295	2,979	40	160	219	25	21
All Other Railroads	1,167	1,157	1,158	250	832	1,082	1	16	5	52	2
Total All Railroads	17,449	16,853	17,090	4,928	10,978	15,906	343	234	347	195	65
HIGHWAY-RAIL CROSSING (Excluded from above categories)											
Class I Railroads	1,664	1,201	1,718	113	11	124	0	0	1,395	2	197
Group II Railroads **	137	114	189	7	0	7	0	21	137	1	23
All Other Railroads	132	118	182	8	3	11	0	1	155	0	15
Total All Railroads	1,933	1,433	2,089	128	14	142	0	22	1,687	3	235
T O T A L S											
Class I Railroads	17,659	16,140	17,168	6,100	8,240	14,340	314	136	1,586	132	660
Group II Railroads **	4,136	3,979	4,072	986	2,356	3,342	40	211	364	29	86
All Other Railroads	1,507	1,477	1,556	407	874	1,281	1	35	160	56	23
Total All Railroads	23,302	21,596	22,796	7,493	11,470	18,963	355	382	2,110	217	769

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

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

Type of Accident/Incident	TOTAL* A/I	Illness A/I	Total Illness	<EMPLOYEES-ON-DUTY>			Enod	Psgr	Nont	Contr	Tres
				Trmmen	Other	Total					
TRAIN ACCIDENTS											
Class I Railroads	95	1	9	5	0	5	4	0	0	0	0
Group II Railroads **	14	0	2	2	0	2	0	0	0	0	0
All Other Railroads	6	0	0	0	0	0	0	0	0	0	0
Total All Railroads	115	1	11	7	0	7	4	0	0	0	0
TRAIN INCIDENTS											
Class I Railroads	3,119	51	64	60	4	64	0	0	0	0	0
Group II Railroads **	484	14	15	15	0	15	0	0	0	0	0
All Other Railroads	202	2	2	2	0	2	0	0	0	0	0
Total All Railroads	3,805	67	81	77	4	81	0	0	0	0	0
NON-TRAIN INCIDENTS											
Class I Railroads	12,781	505	511	96	410	506	3	0	0	2	0
Group II Railroads **	3,501	55	55	7	48	55	0	0	0	0	0
All Other Railroads	1,167	9	9	3	6	9	0	0	0	0	0
Total All Railroads	17,449	569	575	106	464	570	3	0	0	2	0
HIGHWAY-RAIL CROSSING (Excluded from above categories)											
Class I Railroads	1,664	0	4	4	0	4	0	0	0	0	0
Group II Railroads **	137	1	1	1	0	1	0	0	0	0	0
All Other Railroads	132	0	0	0	0	0	0	0	0	0	0
Total All Railroads	1,933	1	5	5	0	5	0	0	0	0	0
TOTALS											
Class I Railroads	17,659	557	588	165	414	579	7	0	0	2	0
Group II Railroads **	4,136	70	73	25	48	73	0	0	0	0	0
All Other Railroads	1,507	11	11	5	6	11	0	0	0	0	0
Total All Railroads	23,302	638	672	195	468	663	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. NATURE OF INJURIES BY TYPE OF ACCIDENT/INCIDENT

Type of Accident/Incident	Amputations					Total	Fractures					Total
	Arm/Hand	Finger	Leg/Foot	Toe	Other Part		Arm/Hand	Finger	Leg/Foot	Toe	Other Part	
TRAIN ACCIDENTS												
Collisions	---	---	---	---	---	---	---	1	2	---	4	7
Deraillments	---	1	---	---	---	1	2	---	2	---	2	6
Rail-highway x-ing	---	---	---	---	---	---	---	---	---	---	9	9
Miscellaneous	---	---	---	---	---	---	1	---	---	---	3	4
Total	---	1	---	---	---	1	3	1	4	---	18	26
TRAIN INCIDENTS												
Coupling and uncoupling locomotives or Coupling/uncoupling air/steam hose, saf	---	---	---	1	---	1	2	2	---	4	5	13
Operating or on locomotives	1	---	---	---	---	1	---	---	---	---	---	---
Operating rail motorcars	---	---	---	1	---	1	2	3	2	2	6	15
Operating hand brakes	---	---	2	1	---	3	3	1	2	---	3	9
Operating switches or derails	---	---	2	---	---	2	---	---	---	---	---	---
Contacting fixed objects while on loco	---	---	---	---	---	---	---	1	---	---	5	6
Getting on or off cars or locomotives	1	---	16	2	---	19	11	3	23	2	13	52
Collisions, derailments, etc. (below \$	1	---	5	1	---	7	4	---	---	1	6	11
Rail-highway crossing accidents/incide	1	1	7	---	---	9	35	1	67	---	113	216
Struck by/ran into loco/car(not at rr-	13	4	78	12	---	107	26	1	25	---	28	80
Servicing or maintenance of equipment	---	---	---	---	1	1	---	---	2	1	2	5
Maintenance of way and structures	---	---	---	---	---	---	2	1	10	2	4	19
Freight, baggage, express or mail	---	---	---	---	---	---	---	---	---	---	---	---
Windows, doors, etc., on on-track equi	---	1	---	---	---	1	2	22	1	---	---	25
Passenger car doors	---	---	---	---	---	---	---	---	---	---	---	---
Stumbling, slipping, falling, caught,	2	---	6	---	---	8	3	2	17	1	14	37
Flying or falling objects, burns, etc.	---	---	---	---	---	---	1	---	2	---	1	4
Operation of on-track work equipment	---	---	---	---	---	---	3	---	2	---	---	5
Assault	---	---	---	---	---	---	---	---	---	---	1	1
Other occurrences	---	2	8	---	---	10	1	5	4	1	4	15
Total	19	8	124	18	1	170	95	42	157	14	205	513
NONTRAIN INCIDENTS												
Coupling and uncoupling locomotives or	---	---	---	---	---	---	4	11	6	14	---	35
Coupling/uncoupling air/steam hose, saf	---	---	---	---	---	---	2	2	2	---	5	11
Operating or on locomotives	---	2	---	---	---	2	3	6	2	2	6	19
Operating rail motorcars	---	---	---	---	---	---	---	1	---	1	---	2
Operating hand brakes	---	1	---	---	---	1	5	6	6	2	4	23
Operating switches or derails	---	---	---	---	---	---	2	6	7	6	4	25
Contacting fixed objects while on loco	---	---	---	---	---	---	---	---	---	---	---	---
Getting on or off cars or locomotives	---	---	1	---	---	1	13	8	35	4	9	69
Collisions, derailments, etc. (below \$	---	---	---	---	---	---	---	---	---	---	---	---
Rail-highway crossing accidents/incide	---	---	---	---	---	---	2	---	---	---	3	5
Struck by/ran into loco/car(not at rr-	---	---	1	---	---	1	---	---	---	---	1	1
Servicing or maintenance of equipment	---	6	1	2	---	9	38	119	41	43	33	274
Maintenance of way and structures	---	9	---	---	---	9	53	172	85	35	50	395
Freight, baggage, express or mail	---	---	---	---	---	---	---	3	2	---	1	6
Windows, doors, etc., on on-track equi	---	1	---	---	---	1	5	18	2	2	2	29
Passenger car doors	---	---	---	---	---	---	---	---	---	---	---	---
Stumbling, slipping, falling, caught,	---	---	---	---	---	---	69	12	76	6	59	222
Flying or falling objects, burns, etc.	---	1	---	---	---	1	---	2	2	2	1	7
Operation of on-track work equipment	---	---	---	---	---	---	1	2	1	---	2	6
Assault	---	---	---	---	---	---	5	2	4	1	7	19
Other occurrences	---	4	---	---	---	4	15	15	17	8	28	83
Total	---	24	3	2	---	29	219	385	288	126	215	1,233
Grand Total	19	33	127	20	1	200	317	428	449	140	438	1,772

TABLE 49. (CONTINUED)

Type of Accident/Incident	Other Injuries								Total Injured	
	Bruise	Sprain/ Strain	Cut	Elec. Burn	Other Burns	Disloc- Cation	Object In Eye	Other		
TRAIN ACCIDENTS										
Collisions	27	46	10	---	2	---	---	11	96	103
Derailments	25	49	5	---	---	---	---	79	158	165
Rail-highway x-ing	35	41	22	---	4	1	---	21	124	133
Miscellaneous	14	19	6	---	---	---	---	4	43	47
Total	101	155	43	---	6	1	---	115	421	448
TRAIN INCIDENTS										
Coupling and uncoupling locomotives or Coupling/uncoupling air/steam hose, saf Operating or on locomotives	35 6 98	108 11 304	13 6 40	---	1 ---	2 1 3	11 1 127	8 4 77	178 29 657	192 30 672
Operating rail motorcars	2	5	2	---	---	---	---	3	12	13
Operating hand brakes	25	50	9	---	---	---	---	2	86	98
Operating switches or derails	5	4	2	---	---	---	---	1	12	14
Contacting fixed objects while on loco	25	19	14	---	---	3	1	3	65	71
Getting on or off cars or locomotives	140	334	39	---	---	4	2	15	534	605
Collisions, derailments, etc. (below \$	27	58	11	---	---	---	---	9	105	123
Rail-highway crossing accidents/incide	401	206	429	---	2	6	1	645	1,690	1,915
Struck by/ran into loco/car(not at rr-	49	19	80	1	---	1	2	88	240	427
Servicing or maintenance of equipment	10	28	4	---	1	---	---	6	49	55
Maintenance of way and structures	35	23	13	---	---	1	---	3	75	94
Freight, baggage, express or mail	1	6	1	---	---	---	---	2	10	10
Windows, doors, etc., on on-track equi	24	38	25	---	---	1	2	2	92	118
Passenger car doors	2	1	2	---	1	---	---	---	6	6
Stumbling, slipping, falling, caught,	46	94	17	---	---	3	---	10	170	215
Flying or falling objects, burns, etc.	14	5	11	1	9	---	67	44	151	155
Operation of on-track work equipment	21	44	6	---	---	---	---	6	77	82
Assault	16	9	23	---	---	---	8	11	67	68
Other occurrences	67	103	24	---	1	---	4	30	229	254
Total	1,049	1,469	771	3	22	25	226	969	4,534	5,217
NONTRAIN INCIDENTS										
Coupling and uncoupling locomotives or Coupling/uncoupling air/steam hose, saf Operating or on locomotives	53 59 95	282 107 242	27 42 34	---	---	3 1 4	4 11 59	15 5 54	384 228 498	419 239 519
Operating rail motorcars	9	11	3	---	---	---	---	1	24	26
Operating hand brakes	39	279	17	---	1	3	1	16	356	380
Operating switches or derails	70	843	17	---	---	2	2	29	963	988
Contacting fixed objects while on loco	12	6	4	---	---	---	1	---	23	25
Getting on or off cars or locomotives	187	576	77	2	3	8	2	38	893	963
Collisions, derailments, etc. (below \$	---	---	---	---	---	---	---	---	---	---
Rail-highway crossing accidents/incide	6	3	17	---	---	---	---	10	36	41
Struck by/ran into loco/car(not at rr-	2	1	5	---	1	---	---	6	15	17
Servicing or maintenance of equipment	571	1,682	493	39	99	15	319	336	3,554	3,837
Maintenance of way and structures	677	2,256	779	36	56	28	195	370	4,397	4,801
Freight, baggage, express or mail	9	42	4	---	---	1	---	2	58	64
Windows, doors, etc., on on-track equi	74	131	59	---	1	---	4	6	275	305
Passenger car doors	9	4	1	---	---	---	---	1	15	15
Stumbling, slipping, falling, caught,	396	1,104	161	1	1	12	---	83	1,758	1,980
Flying or falling objects, burns, etc.	30	16	40	16	26	---	142	63	333	341
Operation of on-track work equipment	9	34	7	---	---	1	---	---	51	57
Assault	42	42	46	---	---	4	1	13	148	167
Other occurrences	298	921	187	2	10	9	22	411	1,860	1,947
Total	2,647	8,582	2,020	103	205	90	763	1,459	15,869	17,131
Grand Total	3,797	10,206	2,834	106	233	116	989	2,543	20,824	22,796

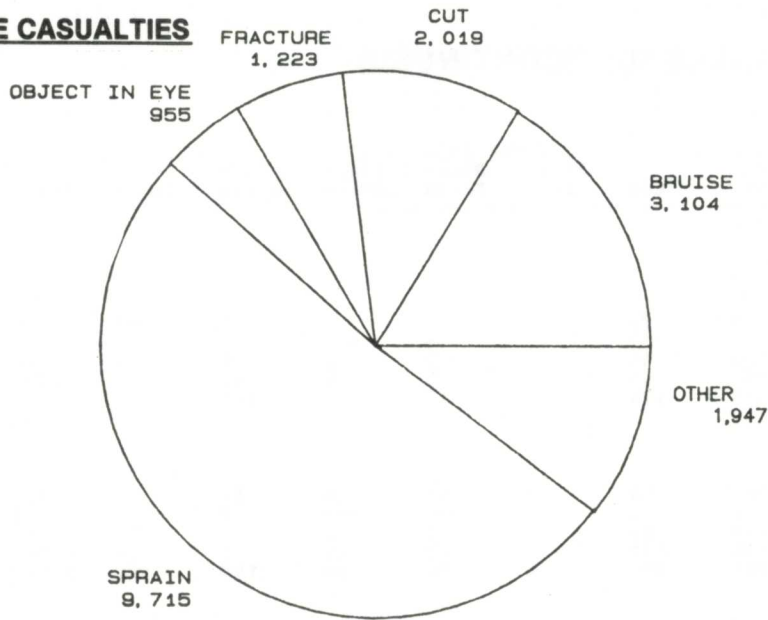
TABLE 50. NATURE OF INJURIES BY TYPE OF PERSON

Type Person	Amputations					Total	Fractures					Total
	Arm/ Hand	Finger	Leg/ Foot	Toe	Other Part		Arm/ Hand	Finger	Leg/ Foot	Toe	Other Part	
EMPLOYEES ON DUTY												
YARD SERVICE:												
Engineers and Motormen	---	---	---	---	---	---	1	6	4	2	5	18
Firemen and Helpers	---	---	---	---	---	---	---	---	1	---	---	1
Conductors and Foremen	1	1	2	---	---	4	4	6	8	5	10	33
Brakemen and Helpers	---	2	2	---	---	4	17	19	27	8	14	85
Total.....	1	3	4	---	---	8	22	31	39	16	29	137
FREIGHT SERVICE:												
Engineers and Motormen	---	2	---	---	---	2	6	4	8	2	7	27
Firemen and Helpers	---	---	---	---	---	---	---	---	---	---	---	---
Conductors and Foremen	---	1	2	2	---	5	15	17	11	6	21	70
Brakemen and Helpers	---	1	4	1	---	6	11	21	22	6	18	78
Total.....	---	4	6	3	---	13	32	42	41	14	46	175
PASSENGER SERVICE:												
Engineers and Motormen	---	---	---	---	---	---	3	2	---	---	1	6
Firemen and Helpers	---	---	---	---	---	---	---	---	---	---	---	---
Conductors and Foremen	---	---	---	---	---	---	5	7	8	4	6	30
Baggagemen	---	---	---	---	---	---	---	---	---	---	---	---
Brakemen and Helpers	---	---	1	---	---	1	2	---	---	---	1	3
Total.....	---	---	1	---	---	1	10	9	8	4	8	39
HOSTLERS	---	---	---	---	---	---	---	4	1	1	1	7
--SUMMARY--												
Total employees on duty	1	24	12	5	1	43	202	402	275	126	218	1,223
Employees not on duty	---	---	---	---	---	---	8	3	11	4	11	37
Passengers	---	2	---	---	---	2	11	7	16	5	17	56
Nontrespassers	1	3	4	1	---	9	64	15	94	4	141	318
Trespassers	17	4	111	14	---	146	32	1	53	1	51	138
Grand total	19	33	127	20	1	200	317	428	449	140	438	1,772

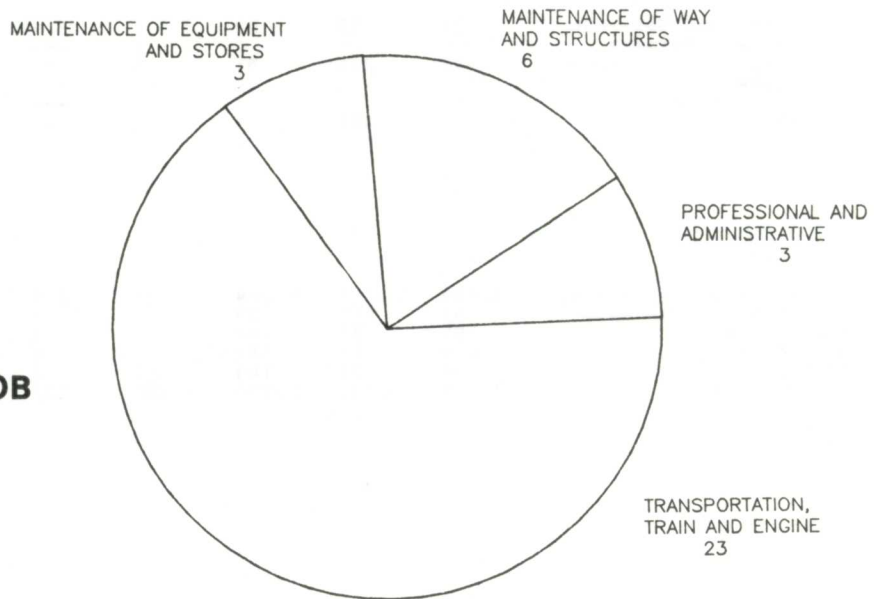
TABLE 50. (CONTINUED)

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	66	180	29	1	2	1	32	40	351	369
Firemen and Helpers	2	6	---	---	---	---	1	1	10	11
Conductors and Foremen	95	290	48	---	7	2	30	24	496	533
Brakemen and Helpers	275	902	99	1	5	6	88	83	1,459	1,548
Total.....	438	1,378	176	2	14	9	151	148	2,316	2,461
FREIGHT SERVICE:										
Engineers and Motormen	136	487	48	2	11	4	64	80	832	861
Firemen and Helpers	1	5	3	---	---	---	2	3	14	14
Conductors and Foremen	241	754	89	1	3	5	57	107	1,257	1,332
Brakemen and Helpers	287	1,135	111	1	12	11	75	136	1,768	1,852
Total.....	665	2,381	251	4	26	20	198	326	3,871	4,059
PASSENGER SERVICE:										
Engineers and Motormen	31	95	19	1	---	---	31	23	200	206
Firemen and Helpers	4	11	1	1	---	---	---	1	18	18
Conductors and Foremen	116	233	51	3	---	4	30	37	474	504
Baggagemen	---	1	2	---	---	---	---	---	3	3
Brakemen and Helpers	13	41	6	---	---	---	9	7	76	80
Total.....	164	381	79	5	---	4	70	68	771	811
HOSTLERS	8	62	3	---	1	1	4	9	88	95
										95
--SUMMARY--										
Total employees on duty	3,104	9,715	2,019	95	219	98	955	1,492	17,697	18,963
Employees not on duty	53	118	29	---	---	3	15	100	318	355
Passengers	95	73	90	---	3	3	---	60	324	382
Nontrespassers	450	275	552	1	9	10	19	684	2,000	2,327
Trespassers	95	25	144	10	2	2	---	207	485	769
Grand total	3,797	10,206	2,834	106	233	116	989	2,543	20,824	22,796

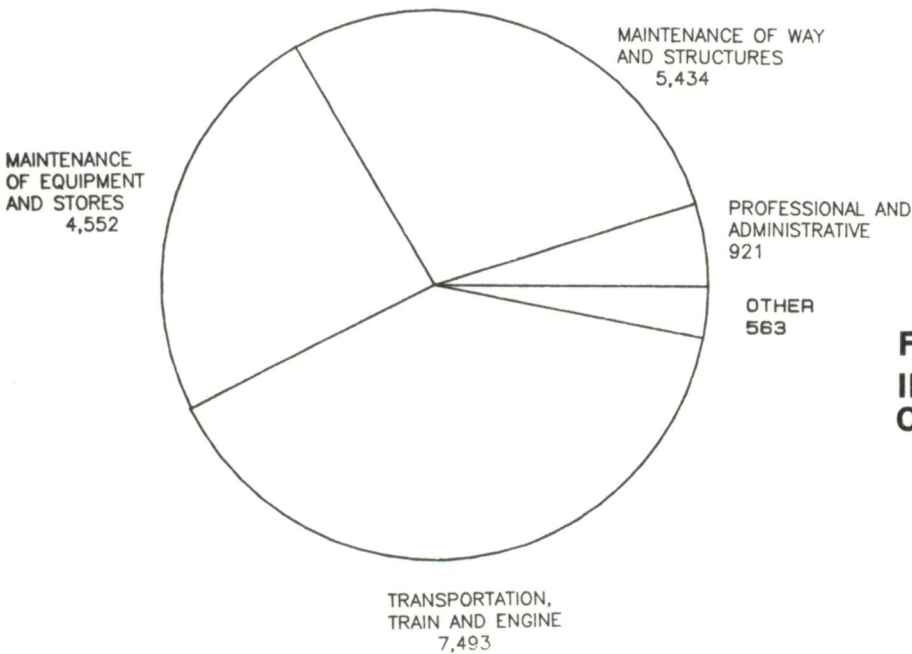
EMPLOYEE CASUALTIES



**FIGURE 30.
INJURIES TO EMPLOYEES
ON DUTY**



**FIGURE 31A.
FATALITIES BY EMPLOYEE JOB
CATEGORY**



**FIGURE 31B.
INJURIES BY EMPLOYEE JOB
CATEGORY**

TABLE 51. EMPLOYEE ON DUTY CASUALTIES BY TYPE OF CASUALTY

Type/Location Of Casualty	Total Cases	Cases With Total Cases	Days Away Lost Day Cases	From Work Restricted Cases	Or Days Of Days Away From Work	Restriction Days Of Restriction	Other Cases
I N J U R I E S							
Bruise - Contusion--							
Arm or hand.	572	439	366	73	13,856	1,245	133
Fingers.....	297	195	152	43	2,875	853	102
Leg or foot.	1,024	883	785	98	33,639	2,389	141
Toes.....	66	48	42	6	812	76	18
Torso.....	791	684	615	69	38,927	1,960	107
Other parts.	354	305	291	14	13,747	577	49
Sprain - Strain--							
Arm or hand.	817	670	539	131	26,388	3,663	147
Fingers.....	129	100	82	18	2,557	414	29
Leg or foot.	2,251	2,054	1,862	192	95,408	8,262	197
Toes.....	13	11	10	1	84	4	2
Torso.....	5,717	5,118	4,652	466	311,457	19,810	599
Other parts.	788	683	631	52	42,885	2,727	105
Cut or Laceration--							
Arm or hand.	399	185	139	46	4,807	536	214
Fingers.....	657	304	212	92	5,057	1,482	353
Leg or foot.	252	157	140	17	4,523	310	95
Toes.....	7	4	4	---	128	15	3
Head or Face	636	272	248	24	8,532	387	364
Torso.....	31	25	25	---	1,724	19	6
Other parts.	37	19	16	3	1,256	37	18
Electrical burn or shock.....	95	79	76	3	3,146	51	16
Other burns.....	219	131	116	15	3,218	256	88
Dislocation.....	98	90	73	17	5,418	841	8
Fracture--							
Arm or hand.	202	181	162	19	12,876	1,331	21
Fingers.....	402	300	201	99	7,924	2,329	102
Leg or foot.	275	266	247	19	23,126	2,003	9
Toes.....	126	109	92	17	3,794	939	17
Head or Face	41	30	29	1	1,783	126	11
Torso.....	164	157	143	14	12,009	1,027	7
Other parts.	13	13	10	3	1,001	251	---
Amputation--							
Arm or hand.	1	1	1	---	200	---	---
Fingers.....	24	23	22	1	1,202	162	1
Leg or foot.	12	12	12	---	2,913	---	---
Toes.....	5	4	4	---	885	---	1
Other parts.	1	1	1	---	25	8	---
Dust or other object in eye.....	955	476	406	70	1,966	232	479
Hernia.....	120	114	111	3	5,479	363	6
Concussion.....	40	36	36	---	4,258	30	4
Nervous shock.....	22	20	17	3	477	121	2
Internal injuries.....	33	30	29	1	1,024	34	3
Loss of eye.....	---	---	---	---	---	---	---
Puncture type wound.....	293	147	128	19	2,696	553	146
Dental related injuries.....	79	14	14	---	88	16	65
Skin reaction (one-time exposure	97	39	34	5	196	23	58
Not otherwise classified.....	808	585	532	53	22,485	1,241	223
Total nonfatal injuries.....	18,963	15,014	13,307	1,707	726,851	56,703	3,949
I L L N E S S E S							
Skin diseases or disorders.....	80	31	28	3	384	33	49
Dust diseases of the lungs.....	2	2	2	---	142	---	---
Respiratory conditions.....	91	73	72	1	2,655	27	18
Poisoning.....	16	11	11	---	310	---	5
Disorders due to physical agents	46	31	26	5	391	206	15
Disorders due to repeated trauma	361	215	185	30	7,370	1,863	146
All other occupational illnesses	67	60	57	3	5,015	143	7
Total nonfatal illnesses.....	663	423	381	42	16,267	2,272	240
-----F A T A L I T I E S-----							
Fatal injuries.....	35	---	---	---	---	---	---
Fatal illnesses.....	---	---	---	---	---	---	---
Total fatalities..	35	---	---	---	---	---	---

TABLE 52. EMPLOYEE ON DUTY CASUALTIES BY JOB CATEGORY

	Killed	Injured	Illness	Total
EXECUTIVES, OFFICIALS, AND STAFF ASSISTANTS				
Executives and general officers.....	---	7	---	7
Corporate staff managers.....	---	5	---	5
Regional and division officers, assistants and staff assistants....	---	22	---	22
Transportation officers/managers.....	---	8	---	8
Subtotal.....	---	42	---	42
PROFESSIONAL AND ADMINISTRATIVE				
Professional.....	---	22	1	23
Subprofessionals.....	---	16	3	19
Auditors, traveling auditors or accountants.....	---	11	---	11
General and administrative supervisors.....	---	24	2	26
Sales and traffic representatives and agents.....	---	18	1	19
Freight and other claim agents and investigators.....	1	7	1	9
Supervising and chief claim agents.....	---	3	---	3
Lieutenants and sergeants of police.....	1	32	---	33
Police officers, watchmen and guards (except crossing & bridge)....	---	191	3	194
Inspectors, (except MOH & MOE), other investigators, examiners, etc	---	3	---	3
Buyers, and sales agents.....	---	19	---	19
Clerical technicians and clerical specialists.....	---	63	41	104
Office machine and data equipment operators.....	---	20	5	25
Secretaries, stenographers, and typists.....	---	32	4	36
General and other clerks (except yard clerk and crew dispatcher)...	---	297	18	315
Building and office attendants.....	---	65	1	66
Messengers and office persons.....	---	7	---	7
Motor vehicle operators.....	1	91	2	94
Subtotal.....	3	921	82	1,006
MAINTENANCE OF WAY AND STRUCTURES				
Supervisors, maintenance of way, structures, communication & signals	2	90	---	92
Maintenance of way, structures, comm. & signals, & scale inspectors	---	96	4	100
Bridge and building gang foreman.....	---	91	3	94
Bridge and building carpenters.....	---	225	1	226
Bridge and building ironworkers.....	---	71	1	72
Bridge and building painters.....	---	15	---	15
Masons, bricklayers, plasterers, and plumbers.....	---	187	1	188
Bridge and building helpers and apprentices.....	---	88	3	91
Bridge and building gang and bridge and building dept laborers....	1	74	1	76
Track gang foremen (extra gang work train laborers).....	1	148	6	155
Gang or section foreman.....	---	377	12	389
Extra gang laborers.....	1	564	18	583
Section laborers.....	---	1,786	43	1,829
Machine operators.....	---	786	27	813
Gang foremen, communications and signals.....	---	56	2	58
Signalmen and signal maintainers.....	1	515	18	534
Linemen and groundmen and communications craftsman.....	---	147	16	163
Assistant signalmen and assistant signal maintainers.....	---	58	1	59
Signal helpers and signal maintainer helpers.....	---	46	---	46
Camp car cooks.....	---	14	---	14
Subtotal.....	6	5,434	157	5,597

TABLE 52. (CONTINUED)

	Killed	Injured	Illness	Total
MAINTENANCE OF EQUIPMENT AND STORES				
Supervisors and general foremen, maintenance of equipment.....	---	86	---	86
Supervisors and general foremen, materials and stores.....	---	5	---	5
Equipment, shop, electrical inspectors.....	---	27	1	28
Materials and supplies inspectors.....	---	20	---	20
Storekeeper.....	---	22	1	23
Gang foremen, maintenance of equipment.....	---	77	2	79
Blacksmiths.....	---	22	1	23
Boilermakers.....	---	80	1	81
Carmen (freight).....	2	1,236	42	1,280
Carmen (other).....	---	481	4	485
Electrical workers (A).....	---	525	28	553
Electrical workers (B).....	---	15	---	15
Electrical workers (C).....	---	10	---	10
Machinists.....	---	886	77	963
Sheet metal workers.....	---	198	14	212
Skilled trades, helpers, maintenance of equipment and stores.....	1	160	2	163
Apprentices, maintenance of equipment and stores.....	---	23	---	23
Coach cleaners.....	---	209	3	212
Laborers' shops, enginehouses and power plants.....	---	350	19	369
Gang foremen, materials and stores.....	---	5	---	5
Equipment operators and general laborers, materials and stores.....	---	94	9	103
Stationary engineers.....	---	10	---	10
Stationary firemen.....	---	11	---	11
Subtotal.....	3	4,552	204	4,759
TRANSPORTATION, OTHER THAN TRAIN AND ENGINE				
Transportation supervisor and chief train dispatcher.....	---	15	2	17
Train dispatchers.....	---	10	3	13
Station, freight and passenger agents.....	---	15	1	16
Clerk operators, towerman, train directors.....	---	38	10	48
Station masters & assts, supervising bag. agents, bag. agents, etc.	---	1	---	1
Baggage, parcel room and station attendants.....	---	44	---	44
General & asst gnrl foremen, stations, warehouses, grain elev., docks.	---	1	---	1
Gang foremen, stations, warehouses, grain elevators and docks.....	---	4	---	4
Grain elevator, and dock laborers.....	---	22	---	22
Station, and warehouse laborers.....	---	41	---	41
Truckers (station, warehouse and platforms).....	---	24	---	24
Food and lodging manager, supervisors.....	---	14	---	14
Transportation and dining-service inspectors.....	---	1	---	1
Waiters and kitchen helpers (restaurant and dining car).....	---	32	---	32
Chefs and cooks (restaurant and dining car).....	---	24	---	24
Marine officers and workers and shore workers.....	---	5	---	5
Train attendants.....	---	117	---	117
Bridge operators and helpers.....	---	8	---	8
Bridge and crossing flagmen and gatemen.....	---	---	1	1
Yards clerks.....	---	52	3	55
Crew dispatchers.....	---	11	4	15
Yardmasters and assistant yardmasters.....	---	42	1	43
Subtotal.....	---	521	25	546
TRANSPORTATION, TRAIN AND ENGINE				
Transportation, train and engine (miscellaneous).....	---	1	---	1
Switchtenders.....	---	27	1	28
Car retarder operators and ground service employees.....	---	22	---	22
Outside hostlers.....	---	69	---	69
Outside hostler helpers.....	---	26	1	27
Inside hostler.....	---	17	---	17
Road passenger conductors.....	1	436	10	447
Assistant road passenger conductors and ticket collectors.....	---	68	---	68
Road freight conductors (through freight).....	2	760	27	789
Road freight conductors (local and way freight).....	1	572	14	587
Road passenger baggageperson.....	---	3	---	3
Road Passenger brakemen and flagmen.....	1	80	---	81
Road freight brakemen and flagmen (through freight).....	8	1,088	21	1,117
Road freight brakemen and flagmen (local and way freight).....	---	764	8	772
Yard conductors and yard foremen.....	1	533	11	545
Yard brakemen and yard helpers.....	6	1,548	36	1,590
Road passenger engineers and motormen.....	---	206	12	218
Road freight engineers (through freight).....	3	583	24	610
Road freight engineers (local and way freight).....	---	278	12	290
Yard engineers.....	---	369	15	384
Road passenger firemen and helpers.....	---	18	1	19
Road freight firemen and helpers (through freight).....	---	10	1	11
Road freight firemen and helpers (local and way freight).....	---	4	1	5
Yard firemen and helpers.....	---	11	---	11
Subtotal.....	23	7,493	195	7,711
Total.....	35	18,963	663	19,661

TABLE 53. EMPLOYEE ON DUTY FATALITIES BY JOB CATEGORY

Type accident/incident	I*	II	III	IV	V	VI	Total
TRAIN ACCIDENTS							
Collisions	---	---	---	---	---	5	5
Derailments	---	---	---	---	---	---	---
Rail-highway x-ing	---	---	---	---	---	---	---
Miscellaneous	---	---	---	---	---	4	4
Total.....	---	---	---	---	---	9	9
TRAIN 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.....	---	---	---	---	---	1	1
Contacting fixed objects while on locos or cars..	---	---	---	---	---	1	1
Getting on or off cars or locomotives.....	---	---	---	---	---	---	---
Collisions, derailments, etc. (below \$ threshold)	---	---	---	---	---	2	2
Rail-highway crossing accidents/incidents.....	---	---	---	---	---	1	1
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	---	2	---	---	3	5
Servicing or maintenance of equipment.....	---	---	---	---	---	---	---
Maintenance of way and structures.....	---	---	---	---	---	---	---
Freight, baggage, express or mail.....	---	---	---	---	---	---	---
Windows, doors, etc., on on-track equipment.....	---	---	---	---	---	---	---
Passenger car doors.....	---	---	---	---	---	---	---
Stumbling, slipping, falling, caught, N.O.C.....	---	---	---	---	---	2	2
Flying or falling objects, burns, etc., N.O.C....	---	---	---	---	---	---	---
Operation of on-track work equipment.....	---	---	---	---	---	---	---
Assault.....	---	---	---	---	---	1	1
Other occurrences.....	---	---	---	---	---	---	---
Total.....	---	---	2	---	---	12	14
NONTRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	---	---	---	---	---	---	---
Coupling/uncoupling air/steam hose, safety chains.	---	---	---	---	---	1	1
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)	---	---	---	---	---	---	---
Rail-highway crossing accidents/incidents.....	---	---	---	---	---	---	---
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	---	---	---	---	---	---
Servicing or maintenance of equipment.....	---	---	---	1	---	---	1
Maintenance of way and structures.....	---	---	---	---	---	---	---
Freight, baggage, express or mail.....	---	---	---	---	---	---	---
Windows, doors, etc., on on-track equipment.....	---	---	---	---	---	---	---
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.....	---	1	1	---	---	---	2
Other occurrences.....	---	2	3	2	---	---	7
Total.....	---	3	4	3	---	2	12
Grand total.....	---	3	6	3	---	23	35

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 ON DUTY INJURIES BY JOB CATEGORY

Type accident/incident	I*	II	III	IV	V	VI	Total
TRAIN ACCIDENTS							
Collisions	---	---	11	1	---	91	103
Derailments	---	---	2	---	12	59	73
Rail-highway x-ing	---	---	4	1	1	48	54
Miscellaneous	---	---	8	---	---	36	44
Total.....	---	---	25	2	13	234	274
TRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	---	---	2	3	2	185	192
Coupling/uncoupling air/steam hose, safety chains.	---	---	---	4	---	26	30
Operating or on locomotives.....	---	3	1	8	---	660	672
Operating rail motorcars.....	---	---	4	---	1	8	13
Operating hand brakes.....	---	---	---	2	---	95	97
Operating switches or derails.....	---	---	---	1	---	13	14
Contacting fixed objects while on locos or cars..	---	---	---	2	3	65	70
Getting on or off cars or locomotives.....	---	3	3	17	5	529	557
Collisions, derailments, etc. (below \$ threshold)	1	---	7	3	1	84	96
Rail-highway crossing accidents/incidents.....	---	---	8	---	---	80	88
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	2	3	5	2	32	44
Servicing or maintenance of equipment.....	---	1	5	43	3	3	55
Maintenance of way and structures.....	---	1	87	2	---	---	90
Freight, baggage, express or mail.....	---	---	1	---	5	3	9
Windows, doors, etc., on on-track equipment.....	---	1	12	11	10	75	109
Passenger car doors.....	---	---	---	1	---	1	2
Stumbling, slipping, falling, caught, N.O.C.....	---	---	4	12	20	118	154
Flying or falling objects, burns, etc., N.O.C....	---	2	3	---	14	119	138
Operation of on-track work equipment.....	---	---	71	2	1	5	79
Assault.....	1	1	1	1	1	61	66
Other occurrences.....	---	1	1	5	32	169	208
Total.....	2	15	213	122	100	2,331	2,783
NONTRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	---	---	2	12	3	399	416
Coupling/uncoupling air/steam hose, safety chains.	---	1	3	26	1	208	239
Operating or on locomotives.....	---	---	2	62	2	453	519
Operating rail motorcars.....	1	1	13	---	---	11	26
Operating hand brakes.....	---	2	3	21	2	352	380
Operating switches or derails.....	1	1	37	38	8	902	987
Contacting fixed objects while on locos or cars..	---	---	---	5	1	16	22
Getting on or off cars or locomotives.....	2	12	15	92	21	707	849
Collisions, derailments, etc. (below \$ threshold)	---	---	---	---	---	---	---
Rail-highway crossing accidents/incidents.....	---	---	---	---	---	---	---
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	---	---	2	1	1	4
Servicing or maintenance of equipment.....	4	56	238	3,261	33	113	3,705
Maintenance of way and structures.....	2	86	4,252	369	11	18	4,738
Freight, baggage, express or mail.....	---	5	1	4	34	14	58
Windows, doors, etc., on on-track equipment.....	---	11	29	61	14	171	286
Passenger car doors.....	---	2	---	1	---	3	6
Stumbling, slipping, falling, caught, N.O.C.....	9	172	200	216	95	869	1,561
Flying or falling objects, burns, etc., N.O.C....	1	27	17	35	24	188	292
Operation of on-track work equipment.....	---	1	47	6	1	---	55
Assault.....	---	70	9	9	2	42	132
Other occurrences.....	20	459	328	208	155	461	1,631
Total.....	40	906	5,196	4,428	408	4,928	15,906
Grand total.....	42	921	5,434	4,552	521	7,493	18,963

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. LOST WORKDAYS RESULTING FROM NONFATAL INJURIES TO EMPLOYEES ON DUTY

Type of Occurrence	Total Cases	Cases With Total Cases	Days Away From Work Lost Day Cases	From Work Restricted Cases	Or Days Of Days Away From Work	Restriction Days Of Restriction	Other Cases
TRAIN ACCIDENTS							
Collisions	103	96	94	2	7,407	203	7
Deraillments	73	69	68	1	7,983	181	4
Rail-highway x-ing	54	47	45	2	4,939	90	7
Miscellaneous	44	43	40	3	2,089	61	1
Total	274	255	247	8	22,418	535	19
TRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars	192	174	165	9	9,565	488	18
Coupling/uncoupling air/steam hose, safety chains	30	23	21	2	1,125	61	7
Operating or on locomotives	672	554	527	27	31,133	1,358	118
Operating rail motorcars	13	11	10	1	295	1	2
Operating hand brakes	97	87	77	10	4,450	333	10
Operating switches or derails	14	13	12	1	896	42	7
Contacting fixed objects while on locos or cars	70	63	59	4	3,865	203	1
Getting on or off cars or locomotives	557	494	456	38	28,691	2,367	63
Collisions, deraillments, etc. (below \$ threshold)	96	89	85	4	7,696	395	7
Rail-highway crossing accidents/incidents	88	79	78	1	7,084	207	9
Struck by/ran into loco/car(not at hwy-rr x-ing)	44	35	35	---	4,088	40	9
Servicing or maintenance of equipment	55	38	32	6	1,537	119	17
Maintenance of way and structures	90	68	50	18	3,060	513	22
Freight, baggage, express or mail	9	7	7	---	650	20	2
Windows, doors, etc., on on-track equipment	109	82	70	12	2,625	588	27
Passenger car doors	2	---	---	---	---	---	2
Stumbling, slipping, falling, caught, N.O.C.	154	140	133	7	9,712	603	14
Flying or falling objects, burns, etc., N.O.C.	138	90	84	6	1,967	28	48
Operation of on-track work equipment	79	68	63	5	3,898	425	11
Assault	66	57	55	2	2,019	9	9
Other occurrences	208	176	166	10	8,385	482	32
Total	2,783	2,348	2,185	163	132,741	8,282	435
NONTRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars	416	375	342	33	23,035	1,223	41
Coupling/uncoupling air/steam hose, safety chains	239	193	168	25	8,719	361	46
Operating or on locomotives	519	425	393	32	21,167	1,185	94
Operating rail motorcars	26	17	15	2	624	30	9
Operating hand brakes	380	339	321	18	22,696	938	41
Operating switches or derails	987	912	843	69	55,420	4,223	75
Contacting fixed objects while on locos or cars	22	20	18	2	765	52	2
Getting on or off cars or locomotives	849	757	696	61	40,719	2,413	92
Collisions, deraillments, etc. (below \$ threshold)	---	---	---	---	---	---	---
Rail-highway crossing accidents/incidents	4	2	1	1	12	21	2
Struck by/ran into loco/car(not at hwy-rr x-ing)	---	---	---	---	---	---	---
Servicing or maintenance of equipment	3,705	2,768	2,357	411	110,126	13,647	937
Maintenance of way and structures	4,738	3,410	2,820	590	137,483	14,231	1,328
Freight, baggage, express or mail	58	48	46	2	2,891	104	10
Windows, doors, etc., on on-track equipment	286	231	203	28	7,579	795	55
Passenger car doors	6	6	6	---	372	11	---
Stumbling, slipping, falling, caught, N.O.C.	1,561	1,367	1,233	134	77,396	4,588	194
Flying or falling objects, burns, etc., N.O.C.	292	189	172	17	4,269	142	103
Operation of on-track work equipment	55	43	34	9	2,202	182	12
Assault	132	107	101	6	3,544	292	25
Other occurrences	1,631	1,202	1,106	96	52,673	3,448	429
Total	15,906	12,411	10,875	1,536	571,692	47,886	3,495
Grand total	18,963	15,014	13,307	1,707	726,851	56,703	3,949

TABLE 56. EMPLOYEE ON DUTY ILLNESSES BY JOB CATEGORY

Type accident/incident	I*	II	III	IV	V	VI	Total
TRAIN ACCIDENTS							
Collisions	---	---	---	---	---	---	---
Derailments	---	---	---	---	---	5	5
Rail-highway x-ing	---	---	---	---	---	1	1
Miscellaneous	---	---	---	---	---	2	2
Total.....	---	---	---	---	---	8	8
TRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	---	---	---	---	---	---	---
Coupling/uncoupling air/steam hose, safety chains.	---	---	---	---	---	---	---
Operating or on locomotives.....	---	---	---	---	---	54	54
Operating rail motorcars.....	---	---	---	---	---	---	---
Operating hand brakes.....	---	---	---	---	---	---	---
Operating switches or derails.....	---	---	---	---	---	2	2
Contacting fixed objects while on locos or cars..	---	---	---	---	---	---	---
Getting on or off cars or locomotives.....	---	---	---	---	---	1	1
Collisions, derailments, etc. (below \$ threshold)	---	---	---	---	---	1	1
Rail-highway crossing accidents/incidents.....	---	---	---	---	---	4	4
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	---	---	---	---	2	2
Servicing or maintenance of equipment.....	---	---	---	---	---	---	---
Maintenance of way and structures.....	---	1	---	---	---	---	1
Freight, baggage, express or mail.....	---	---	---	---	---	---	---
Windows, doors, etc., on on-track equipment.....	---	---	---	---	---	1	1
Passenger car doors.....	---	---	---	---	---	---	---
Stumbling, slipping, falling, caught, N.O.C.....	---	---	---	---	---	1	1
Flying or falling objects, burns, etc., N.O.C....	---	---	---	2	---	10	12
Operation of on-track work equipment.....	---	---	---	---	---	---	---
Assault.....	---	---	---	---	---	---	---
Other occurrences.....	---	---	1	---	---	---	---
Total.....	---	1	1	2	---	81	85
NONTRAIN INCIDENTS							
Coupling and uncoupling locomotives or cars.....	---	---	---	---	---	1	1
Coupling/uncoupling air/steam hose, safety chains.	---	---	---	---	---	---	---
Operating or on locomotives.....	---	---	---	1	---	13	14
Operating rail motorcars.....	---	---	---	---	---	---	---
Operating hand brakes.....	---	---	---	---	---	3	3
Operating switches or derails.....	---	---	---	---	---	5	5
Contacting fixed objects while on locos or cars..	---	---	---	---	---	---	---
Getting on or off cars or locomotives.....	---	---	---	---	---	3	3
Collisions, derailments, etc. (below \$ threshold)	---	---	---	---	---	---	---
Rail-highway crossing accidents/incidents.....	---	---	---	---	---	---	---
Struck by/ran into loco/car(not at hwy-rr x-ing).	---	---	---	---	---	---	---
Servicing or maintenance of equipment.....	---	---	3	161	---	3	167
Maintenance of way and structures.....	---	1	88	8	---	---	97
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	3	6	21	32
Operation of on-track work equipment.....	---	---	1	---	---	---	1
Assault.....	---	---	---	---	---	---	---
Other occurrences.....	---	79	63	28	19	57	246
Total.....	---	81	156	202	25	106	570
Grand total.....	---	82	157	204	25	195	663

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

TABLE 57. SUMMARY OF NONFATAL EMPLOYEE ON DUTY INJURIES DUE TO ASSAULT

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							
Astrak (National RR Passenger Corp.)	0	0	1	0	3	14	18
Atchison, Topeka and Santa Fe Railway	0	0	0	0	0	0	0
Burlington Northern Railroad Company	1	2	0	0	5	6	14
Chicago and North Western Transport.	1	0	0	0	0	0	1
Consolidated Rail Corporation	6	0	0	3	2	5	16
CSX Transportation	6	0	0	0	2	3	11
Delaware and Hudson Railway Company	1	0	0	0	0	0	1
Denver and Rio Grande Western RR	0	0	0	0	0	0	0
Florida East Coast Railway Company	1	0	0	0	0	0	1
Grand Trunk Western Railroad Company	0	0	0	0	0	1	1
Illinois Central Railroad Company	1	0	0	0	0	0	1
Kansas City Southern Railway Company	1	0	0	0	0	0	1
Louisiana & Arkansas Railway Company	0	0	0	0	0	0	0
Norfolk Southern Corporation	2	0	0	0	1	1	4
Soo Line Railroad Company	0	0	0	0	0	3	3
Southern Pacific Transportation Co.	7	0	1	0	1	7	16
St. Louis Southwestern Railway Co.	0	0	0	0	0	0	0
Springfield Terminal Railway Company	0	0	0	1	0	0	1
Union Pacific Railroad Company	6	1	0	0	2	5	14
Total Class I Railroads.....	33	3	2	4	16	45	103
GROUP II RAILROADS **							
Alton & Southern Railroad	0	0	0	0	0	0	0
Alaska Railroad Corporation	0	0	0	0	0	0	0
Bangor and Aroostook Railroad	0	0	0	0	0	0	0
Bessemer & Lake Erie Railroad Company	0	0	0	0	0	0	0
Belt Railway Company Of Chicago	0	0	0	0	0	0	0
Birmingham Southern Railroad Company	0	0	0	0	0	0	0
Chicago, Central & Pacific RR Co.	0	0	0	0	0	0	0
Cuyahoga Valley Railway Company	0	0	0	0	0	0	0
Dakota, Minnesota & Eastern Railroad	0	0	0	0	0	0	0
Duluth, Hibiscabe and Iron Range Rwy	0	0	0	0	0	0	0
Elgin, Joliet and Eastern Railway Co.	0	0	0	0	0	0	0
Fox River Valley Railroad Corporation	0	0	0	0	0	0	0
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 Company	0	0	0	0	0	1	1
Long Island Rail Road	0	0	0	1	0	20	21
Monongahala Railway Company	0	0	0	0	0	0	0
Metro North Commuter Railroad Company	0	0	1	0	3	24	28
Montana Rail Link	0	0	0	0	0	0	0
Midsouth Rail Corporation	0	0	0	0	0	0	0
Northern Indiana Transport. Commuter	0	0	0	0	0	1	1
Northeast Illinois Regional Commuter	0	0	0	0	0	3	3
New Jersey Transit Rail Operations	1	0	0	0	4	24	29
Pedacah & Louisville Railway Company	1	0	0	0	0	0	1
Port Authority Trans Hudson	0	0	0	0	0	2	2
Pittsburgh & Lake Erie Railroad Co.	0	0	0	0	0	0	0
Port Terminal Railroad Association	0	0	0	0	0	0	0
Richmond, Fredericksburg and Potomac	0	0	0	0	0	0	0
River Terminal Railway Company	0	0	0	0	0	0	0
Southeastern Pennsylvania Transport.	2	0	1	0	1	4	8
Southern Pacific, Chicago-St. Louis	0	0	0	0	0	0	0
Texas Mexican Railway Company	0	1	0	0	0	0	1
Terminal Railroad Assoc. of St. Louis	0	0	0	0	0	0	0
Union Railroad Company (Pittsburgh)	0	0	0	0	0	0	0
Wisconsin Central Ltd. (also Railway)	0	0	0	0	0	0	0
Wheeling & Lake Erie Railway Company	0	0	0	0	0	0	0
TOTAL GROUP II RAILROADS.....	4	1	2	1	8	79	95
RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)							
Class I Railroads	33	3	2	4	16	45	103
Group II Railroads **	4	1	2	1	8	79	95
All Other Railroads	0	0	0	0	0	0	0
Total All Railroads	37	4	4	5	24	124	198

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

CASUALTIES IN TRAIN ACCIDENTS

TABLE 58. FATALITIES RESULTING FROM TRAIN ACCIDENTS CAUSED BY MISCELLANEOUS FACTORS

Cause	Total Killed	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
MISC CAUSES NOT OTHERWISE LISTED						
700 Collision with hwy user at grade xing	30	---	---	---	23	7
702 Vandalism	1	---	---	---	---	1
707 Improperly loaded car	1	1	---	---	---	---
716 Other acts of God	3	3	---	---	---	---
799 Other miscellaneous causes	8	---	---	8	---	---
SUBTOTAL.....	43	4	---	8	23	8
GRAND TOTAL.....	43	4	---	8	23	8

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

TABLE 59. NONFATAL CASUALTIES RESULTING FROM TRAIN ACCIDENTS CAUSED BY MISCELLANEOUS FACTORS

Cause	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
MISC CAUSES NOT OTHERWISE LISTED						
700 Collision with hwy user at grade xing	134	49	6	55	20	43
702 Vandalism	10	10	---	10	---	---
703 Interference with RR oper.-not vandals	3	3	---	3	---	---
707 Improperly loaded car	1	1	---	1	---	---
709 Object on or fouling track	4	4	---	4	---	---
710 Equipment on or fouling track	6	4	---	4	---	2
713 Interaction of lateral/vertical forces	53	5	---	5	44	---
715 Snow, ice, or mud on track	1	1	---	1	---	---
716 Other acts of God	11	11	---	11	---	---
717 Fire, other than vandalism, involving	2	2	---	2	---	---
799 Other miscellaneous causes	38	2	9	11	7	19
SUBTOTAL.....	263	92	15	107	11	39
GRAND TOTAL.....	263	92	15	107	11	39

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

TABLE 60. FATALITIES RESULTING FROM TRAIN ACCIDENTS CAUSED BY HUMAN FACTORS

Cause	Total Killed	...Employees On Duty...	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
		Trainmen Other				
FLAGGING, FIXED, HAND AND RADIO SIGNALS						
52A Block signal, failure to comply	2	2	---	---	---	---
SUBTOTAL.....	2	2	---	---	---	---
OTHER RULES AND INSTRUCTIONS						
543 Trn ord(radio)err in prep/trans/deliv	3	3	---	---	---	---
SUBTOTAL.....	3	3	---	---	---	---
SWITCHES, USE OF						
561 Switch improperly lined	1	---	---	---	---	1
SUBTOTAL.....	1	---	---	---	---	1
GRAND TOTAL.....	6	5	---	---	---	1

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

TABLE 61. NONFATAL CASUALTIES RESULTING FROM TRAIN ACCIDENTS CAUSED BY HUMAN FACTORS

Cause	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
BRAKES, USE OF						
502 Failure to secure engine (R.R. emp.)	1	1	---	1	---	---
505 Failure to apply hnd brk on car (emp.)	4	4	---	4	---	---
506 Fail. to secure eng/car (Non R.R. emp)	1	1	---	1	---	---
509 Other causes involving use of brakes	4	4	---	4	---	---
SUBTOTAL.....	10	10	---	10	---	---
EMPLOYEE PHYSICAL CONDITION						
513 Employee falling asleep	1	1	---	1	---	---
SUBTOTAL.....	1	1	---	1	---	---
FLAGGING, FIXED, HAND AND RADIO SIGNALS						
52A Block signal, failure to comply	11	11	---	11	---	---
52B Interlocking signal, failure to comply	6	6	---	6	---	---
520 Fixed signal, failure to comply	8	8	---	8	---	---
521 Flagging, improper or failure to flag	2	2	---	2	---	---
529 Flagging, fixed, hand & radio (other)	2	2	---	2	---	---
SUBTOTAL.....	29	29	---	29	---	---
OTHER RULES AND INSTRUCTIONS						
532 Derail, failure to apply or remove	1	1	---	1	---	---
533 Failure to stop train in clear	9	9	---	9	---	---
535 Instruction to trn/yard crew improper	8	2	6	8	---	---
536 Mtr car/on-trk eqp rules, fail to comply	11	1	10	11	---	---
538 Shoving move, missing man at lead	5	4	---	4	---	1
539 Shoving movement, fail to control	9	9	---	9	---	---
541 Special op. instr., failure to comply	3	2	1	3	---	---
542 Trn ord/timetable auth, fail to comply	5	5	---	5	---	---
543 Trn ord(radio)err in prep/trans/deliv	5	5	---	5	---	---
549 Rules and instructions, other	9	9	---	9	---	---
SUBTOTAL.....	65	47	17	64	---	1
SPEED						
550 Coupling speed excessive	1	1	---	1	---	---
554 Trn inside yrd limit, excess speed	3	3	---	3	---	---
555 Trn out yrd limit, clear blk, excess spd	18	2	3	5	13	---
559 Other Causes involving excessive speed	7	6	1	7	---	---
SUBTOTAL.....	29	12	4	16	13	---
SWITCHES, USE OF						
561 Switch improperly lined	8	6	---	6	---	2
563 Switch previously run through	1	1	---	1	---	---
SUBTOTAL.....	9	7	---	7	---	2
MISCELLANEOUS						
570 Buffing or slack action excessive	7	5	---	5	---	2
SUBTOTAL.....	7	5	---	5	---	2
GRAND TOTAL.....	150	111	21	132	---	3

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

TABLE 62. FATALITIES IN ACCIDENTS RESULTING FROM MECHANICAL/ELECTRICAL FAILURES

There were no fatalities reported in connection with train accidents caused by mechanical or electrical failures.

TABLE 63. NONFATAL CASUALTIES RESULTING FROM TRAIN ACCIDENTS CAUSED BY MECHANICAL/ELECTRICAL FAILURES

Cause	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
BRAKES						
402 Broken brake pipe or connections	2	---	---	---	2	---
404 Other brake component failure, etc.	1	---	1	---	---	---
405 Brk valve malfn. (undesired emergency)	1	1	---	---	---	---
409 Hand brk linkage/connections failure	1	1	---	---	---	---
SUBTOTAL.....	5	2	1	3	2	---
COUPLER AND DRAFT SYSTEM						
430 Knuckle broken or defective	1	1	---	---	---	---
SUBTOTAL.....	1	1	---	---	---	---
AXLES AND JOURNAL BEARINGS						
450L Broken/bent between wheel seats-loco	1	1	---	---	---	---
451 Journal (plain) failure - overheating	4	4	---	---	---	---
452 Journal (R. B.) failure - overheat	4	3	---	---	1	---
SUBTOTAL.....	9	8	---	---	1	---
WHEELS						
466L Damaged flange or tread, flat - loco	1	1	---	---	---	---
SUBTOTAL.....	1	1	---	---	---	---
LOCOMOTIVES						
473L Oil fire - locomotive	2	2	---	---	---	---
SUBTOTAL.....	2	2	---	---	---	---
GRAND TOTAL.....	18	14	1	15	3	---

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

**TABLE 64. FATALITIES RESULTING FROM TRAIN ACCIDENTS
CAUSED BY DEFECTS IN TRACK, ROADBED AND STRUCTURES**

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

**TABLE 65. NONFATAL CASUALTIES RESULTING FROM TRAIN ACCIDENTS
CAUSED BY DEFECTS IN TRACK, ROADBED AND STRUCTURES**

Cause	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
ROADBED DEFECTS						
101 Roadbed settled or soft	1	1	---	---	---	---
102 Washout/rain/slide/ice, etc. dmg to trk	3	3	---	---	---	---
SUBTOTAL.....	4	4	---	---	---	---
TRACK GEOMETRY DEFECTS						
110 Wide gage (defect/missing crossties)	6	2	3	5	---	1
115 Track alignment irregular (buckled)	4	4	---	4	---	---
118 Superelevation runoff improper	1	1	---	1	---	---
SUBTOTAL.....	11	7	3	10	---	1
RAIL AND JOINT BAR DEFECTS						
132 Broken weld, field	1	1	---	1	---	---
134 Detail fracture fm shelling/head check	2	2	---	2	---	---
SUBTOTAL.....	3	3	---	3	---	---
FROGS, SWITCHES AND TRACK APPLIANCES						
163 Switch connecting/oper. rod fail.	3	3	---	3	---	---
165 Switch point worn or broken	2	2	---	2	---	---
SUBTOTAL.....	5	5	---	5	---	---
OTHER WAY AND STRUCTURES						
189 Other way and structure causes	3	3	---	3	---	---
SUBTOTAL.....	3	3	---	3	---	---
SIGNAL AND COMMUNICATION FAILURES						
203 Block signal displayed false proceed	3	3	---	3	---	---
SUBTOTAL.....	3	3	---	3	---	---
GRAND TOTAL.....	29	25	3	28	---	1

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

CASUALTIES IN TRAIN INCIDENTS

TABLE 66. FATALITIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCE AND TYPE OF PERSON

Occurrence	Total Killed	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS						
009T Other acc/inc while coupling/uncoupling cars or locos - equip moving	1	1	---	1	---	---
SUBTOTAL.....	1	1	---	1	---	---
OPERATING SWITCHES OR DERAILS						
304T Struck by moving on-track equipment	1	1	---	1	---	---
SUBTOTAL.....	1	1	---	1	---	---
CONTACTING FIXED OBJECTS WHILE ON LOCOMOTIVES OR CARS						
401T Persons on top locos/cars contacting fixed objects - equipment mov	1	---	---	---	---	1
402T Persons on side/end of locos/cars contacting fixed objects - eqp mov	1	1	---	1	---	---
SUBTOTAL.....	2	1	---	1	---	1
GETTING ON OR OFF CARS OR LOCOMOTIVES						
507T Falling, slipping, tripping, not elsewhere classified - eqp moving	2	---	---	---	---	2
513T Jumping from equipment - equipment moving	1	---	---	---	---	1
519T Other acc/inc while getting on or off cars or locos - equipment mov	2	---	---	---	---	2
SUBTOTAL.....	5	---	---	---	---	5
COLLISIONS, DERAILMENTS, ETC.(#DMG BELOW THRESHOLD)						
601T Casualty resulting fm a collision which did not satisfy \$ threshold	1	1	---	1	---	---
602T Casualty resulting fm a derailment which did not satisfy \$ threshold	1	1	---	1	---	---
603T Casualty resulting fm oth than Rail Equip A/I(not at rail-hwy X-ing)	13	---	---	---	---	13
SUBTOTAL.....	15	2	---	2	---	13
HIGHWAY-RAIL CROSSING ACCIDENTS/INCIDENTS						
609T Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp mov	532	1	---	1	---	402
610T Casualty at private rail-hwy X-ing (Not rptd on form 6180-54)-eqp mov	39	---	---	---	---	36
SUBTOTAL.....	571	1	---	1	---	438
STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT RAIL-HWY X-INGS)						
701T Standing, walking or running on or along track - equipment moving	188	3	1	4	1	5
702T Crossing track at private rail-highway crossing - equipment moving	5	---	---	---	---	1
703T Crossing track not at a crossing - equipment moving	36	---	---	---	---	3
705T On bridges or trestles - equipment moving	23	---	---	---	---	1
706T Sitting or lying on track or near track, not in clear - eqp moving	181	---	---	---	---	4
707T While working on or along track - equipment moving	1	---	1	1	---	---
708T Passing over, through, or under cars - equipment moving	11	---	---	---	---	---
709T Struck by or ran into loco/car (not at hwy x-ing), misc-eqp mov	43	---	---	---	---	1
SUBTOTAL.....	488	3	2	5	1	15

TABLE 66. (CONTINUED)

Occurrence	Total Killed	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
MAINTENANCE OF WAY AND STRUCTURES						
853T Striking or being struck by eqp, structures, or material-eqp mov	1	---	---	---	1	---
SUBTOTAL.....	1	---	---	---	1	---
FREIGHT, BAGGAGE, EXPRESS OR MAIL						
901T Handling freight, baggage, express or mail-eqp moving	1	---	---	---	---	1
902T Struck or caught by shifted lading-eqp moving	2	---	---	---	---	2
SUBTOTAL.....	3	---	---	---	---	3
STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED						
935T From bridges of trestles-equipment moving	4	1	---	1	---	3
938T While on locomotive or car-equipment moving	2	1	---	1	---	1
939T Other, stumbling, slipping, falling, caught, etc. - equipment moving	1	---	---	---	---	1
SUBTOTAL.....	7	2	---	2	---	5
FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.						
941T Struck by flying or falling object (except assaults)-eqp mov	1	---	---	---	---	1
947T Electrical inj from contact with catenary, 3rd rail, etc., equipment moving	1	---	---	---	---	1
SUBTOTAL.....	2	---	---	---	---	2
OPERATION OF ON-TRACK WORK EQUIPMENT						
959T Other A/I involving on-track work equipment - equipment moving	1	---	---	---	---	1
SUBTOTAL.....	1	---	---	---	---	1
OTHER OCCURRENCES						
989T Other accidents/incidents-equipment moving	13	1	---	1	---	12
SUBTOTAL.....	13	1	---	1	---	12
GRAND TOTAL.....	1,110	12	2	14	1	454

NOTE: Contractor employees are included with nontrespassers

TABLE 67. INJURIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCE AND TYPE OF PERSON

Occurrence	Total Injured	...Employees On Duty... Trainmen Other	Duty... Total	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS							
001T Adjusting coupler, equipment moving unexpectedly	17	17	---	17	---	---	---
002T Adjusting coupler - equipment moving	13	12	1	13	---	---	---
003T Crossing over, under or between on-track equipment, equipment moving	2	1	1	2	---	---	---
004T Adjusting coupler, part of coupler fell striking person - eqp moving	6	6	---	6	---	---	---
005T Use of uncoupling lever - equipment moving	48	48	---	48	---	---	---
006T Use of uncoupling lever - equipment moving unexpectedly	2	2	---	2	---	---	---
007T Striking parts of body against equipment - equipment moving	20	18	2	20	---	---	---
008T Stumbled,slipped,fell,etc. on foreign obj/irreg surface-eqp moving	27	26	1	27	---	---	---
009T Other acc/inc while coupling/uncoupling cars or locos - equip moving	57	55	2	57	---	---	---
SUBTOTAL.....	192	185	7	192	---	---	---
COUPLING/UNCOUPLING AIR OR STEAM HOSE, SAFETY CHAINS ETC.							
052T Uncoupl air hose, struck by hose due to sudden release of air-eqp mov	6	4	2	6	---	---	---
053T Coupling air hose, stk by hose due to sudden release of air - eqp mov	2	1	1	2	---	---	---
054T Stumbled,slipped,fell, or stepped on foreign obj, etc., eqp moving	5	5	---	5	---	---	---
055T Defective equipment - equipment moving	2	2	---	2	---	---	---
057T Opening or closing angle cocks - equipment moving	4	3	1	4	---	---	---
059T Oth A/I while coupl/uncoupl air/steam hose or turn angl cock-eqp mov	11	11	---	11	---	---	---
SUBTOTAL.....	30	26	4	30	---	---	---
OPERATING OR ON LOCOMOTIVES							
101T Burn or electrical shock - equipment moving	7	7	---	7	---	---	---
102T Striking parts of body against equipment, moving about loco-eqp mov	30	26	4	30	---	---	---
103T Struck by tools or other objects falling - equipment moving	17	16	1	17	---	---	---
104T Stumbled, slipped, fell, stepped on foreign obj, etc., - eqp moving	45	44	1	45	---	---	---
105T Checking, oiling, servicing locomotive, etc. - equipment moving	1	1	---	1	---	---	---
106T Unexpected movement of locomotive, other than slack action	80	77	3	80	---	---	---
107T Slack action in locomotive	85	85	---	85	---	---	---
108T Striking parts of body against equipment due to sudden stop of loco	72	72	---	72	---	---	---
109T Inhalation of or contact with fumes or gases - equipment moving	25	25	---	25	---	---	---
110T Defective locomotive seat - equipment moving	40	40	---	40	---	---	---
111T Adjusting locomotive seat - equipment moving	7	7	---	7	---	---	---
112T Foreign object in eye - equipment moving	145	144	1	145	---	---	---
119T Other accidents/incidents while operating locomotives - eqp moving	118	116	2	118	---	---	---
SUBTOTAL.....	672	660	12	672	---	---	---
OPERATING RAIL MOTORCARS							
151T Striking parts of body against equipment - equipment moving	6	3	3	6	---	---	---
153T Stumbled, slipped, fell or stepped on foreign obj, etc., - eqp mov	1	1	---	1	---	---	---
154T Unexpected movement of rail motorcar	1	---	1	1	---	---	---
159T Other accidents/incidents while operating rail motorcars - eqp mov	5	4	1	5	---	---	---
SUBTOTAL.....	13	8	5	13	---	---	---

TABLE 67. (CONTINUED)

Occurrence	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
OPERATING HAND BRAKES						
200T Manipulating hand brakes, no defects, equipment moving	37	36	1	37	---	---
201T Defective equipment - equipment moving	6	6	---	6	---	---
203T Striking body due to movement of equipment	13	13	---	13	---	---
204T Losing hold, slipping or falling due to coupling impact	5	5	---	5	---	---
205T Caught between parts of equipment or lading - equipment moving	7	7	---	7	---	---
206T Brake chains or bolts, breaking or giving way - equipment moving	3	3	---	3	---	---
207T Losing hold, slipping, or falling - equipment moving	12	11	1	12	---	---
208T Caught hand or fingers in spinning brake wheel - equipment moving	1	1	---	1	---	---
209T Other accidents/incidents while operating hand brakes - eqp moving	14	13	---	13	---	1
SUBTOTAL.....	98	95	2	97	---	1
OPERATING SWITCHES OR DERAILS						
304T Struck by moving on-track equipment	5	5	---	5	---	---
309T Other acc/inc while operating switches/derails - equipment moving	9	8	1	9	---	---
SUBTOTAL.....	14	13	1	14	---	---
CONTACTING FIXED OBJECTS WHILE ON LOCOMOTIVES OR CARS						
401T Persons on top locos/cars contacting fixed objects - equipment mov	5	5	---	5	---	---
402T Persons on side/end of locos/cars contacting fixed objects - eqp mov	49	46	2	48	---	1
409T Persons on loco/car coming in contact with fixed obj(ther)-eqp mov	17	14	3	17	---	---
SUBTOTAL.....	71	65	5	70	---	1
GETTING ON OR OFF CARS OR LOCOMOTIVES						
501T Slip/fell due to lost/missed hold of grabiron, handhold, etc.-eqp mov	32	31	1	32	---	---
502T Slip/fell due to losing/missing footing on step, stirrup, etc.-eqp mov	75	70	5	75	---	---
503T Stepping or tripping on parts of track in place - equipment moving	23	23	---	23	---	---
504T Stepping or tripping on foreign material or irreg surface - eqp mov	122	117	4	121	---	1
505T Slipping on ice or snow on ground - equipment moving	14	14	---	14	---	---
506T Slipping on ice/snow on cars or locomotives - equipment moving	7	6	1	7	---	---
507T Falling, slipping, tripping, not elsewhere classified - eqp moving	68	50	3	53	3	12
508T Slipping/falling while boarding/alighting fm passenger eqp (moving)	11	3	1	4	6	1
510T Striking body or falling due to sudden movement of equipment	27	19	2	21	5	1
511T Strike/struck by eqp/structures(not bridge/trestle), or mat -eqp mov	22	20	2	22	---	---
513T Jumping from equipment - equipment moving	53	40	2	42	7	4
514T Defective equipment - equipment moving	13	13	---	13	---	---
519T Other acc/inc while getting on or off cars or locos - equipment mov	138	123	7	130	---	8
SUBTOTAL.....	605	529	28	557	21	27

TABLE 67. (CONTINUED)

Occurrence	Total Injured	...Employees On Duty... Trainmen	Other	Total	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
COLLISIONS, DERAILMENTS, ETC.(\$DMG BELOW THRESHOLD)								
601T Casualty resulting fm a collision which did not satisfy \$ threshold	34	30	3	33	---	---	1	---
602T Casualty resulting fm a derailment which did not satisfy \$ threshold	46	36	6	42	---	4	---	---
603T Casualty resulting fm oth than Rail Equip A/I(not at rail-hwy X-ing)	43	18	3	21	---	---	3	19
SUBTOTAL.....	123	84	12	96	---	4	4	19
HIGHWAY-RAIL CROSSING ACCIDENTS/INCIDENTS								
609T Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp mov	1,774	63	8	71	---	2	1,490	211
610T Casualty at private rail-hwy X-ing (Not rptd on form 6180-54)-eqp mov	141	17	---	17	---	---	117	7
SUBTOTAL.....	1,915	80	8	88	---	2	1,607	218
STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT RAIL-HWY X-INGS)								
701T Standing, walking or running on or along track - equipment moving	152	12	3	15	---	---	2	135
702T Crossing track at private rail-highway crossing - equipment moving	1	---	1	1	---	---	---	---
703T Crossing track not at a crossing - equipment moving	32	1	---	1	---	---	2	29
704T While on public thoroughfare - equipment moving	3	---	---	---	---	---	1	2
705T On bridges or trestles - equipment moving	15	1	---	1	---	---	---	14
706T Sitting or lying on track or near track, not in clear - eqp moving	96	---	---	---	---	---	3	93
707T While working on or along track - equipment moving	20	8	7	15	---	---	3	2
708T Passing over, through, or under cars - equipment moving	46	---	---	---	---	---	---	46
709T Struck by or ran into loco/car (not at hwy x-ing), misc-eqp mov	62	10	1	11	---	---	5	46
SUBTOTAL.....	427	32	12	44	---	---	16	367
SERVICING OR MAINTENANCE OF EQUIPMENT								
800T Absence of fixed signal (Blue Signal) - equipment moving	1	---	1	1	---	---	---	---
802T Crossing over, under, or between locos or cars - equipment moving	2	---	2	2	---	---	---	---
803T Striking or being struck by eqp, structures, or material-eqp mov	14	---	14	14	---	---	---	---
815T Moving equipment for repairs	23	1	22	23	---	---	---	---
825T Other acc/inc while servicing or maintaining eqp-eqp moving	15	2	13	15	---	---	---	---
SUBTOTAL.....	55	3	52	55	---	---	---	---
MAINTENANCE OF WAY AND STRUCTURES								
852T Crossing over, under, or between locos or cars-eqp moving	3	---	2	2	---	---	1	---
853T Striking or being struck by eqp, structures, or material-eqp mov	63	---	61	61	---	---	2	---
899T Other accs/incs while maintaining way and structures - eqp moving	28	---	27	27	---	---	1	---
SUBTOTAL.....	94	---	90	90	---	---	4	---
FREIGHT, BAGGAGE, EXPRESS OR MAIL								
901T Handling freight, baggage, express or mail-eqp moving	7	2	5	7	---	---	---	---
903T Tripping over, or struck by falling baggage in passenger car-eqp mov	2	1	---	1	---	1	---	---
904T Other acc/inc involving freight, baggage, express, or mail - eqp mov	1	---	1	1	---	---	---	---
SUBTOTAL.....	10	3	6	9	---	1	---	---

TABLE 67. (CONTINUED)

Occurrence	Total Injured	...Employees On Duty...	Trainmen Other	Total	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
WINDOWS, DOORS, ETC., ON ON-TRACK EQUIPMENT								
907T Opening/closing hopper or gondola hatches, end or bottom doors, eqp moving	9	---	9	9	---	---	---	---
908T Clo/opn frt/bag car doors, exc plug type car doors, def eqp-eqp mov	4	1	3	4	---	---	---	---
909T Clo/opn frt/bag car doors, exc plug type car doors, no def-eqp mov	5	1	4	5	---	---	---	---
910T Closing or opening plug type car doors, defective equipment-eqp mov	2	---	2	2	---	---	---	---
911T Closing or opening plug type car doors, no defects-equipment mov	2	---	---	---	---	2	---	---
912T Closing or opening coach trap doors-equipment moving	6	3	3	6	---	---	---	---
913T Interior doors-equipment moving	21	10	6	16	---	5	---	---
914T Opening or closing locomotive doors-equipment moving	25	24	1	25	---	---	---	---
915T Opening or closing locomotive windows-equipment moving	8	8	---	8	---	---	---	---
916T Opening or closing caboose doors-equipment moving	1	1	---	1	---	---	---	---
918T Opening and closing other windows-equipment moving	4	3	---	3	---	1	---	---
919T Other accidents/incidents involving windows or doors-eqp mov	31	24	6	30	---	1	---	---
SUBTOTAL.....	118	75	34	109	---	9	---	---
PASSENGER CAR DOORS								
920T Caught by side doors while entering coach-equipment moving	1	---	---	---	---	1	---	---
921T Caught by side doors while exiting coach-equipment moving	2	1	---	1	---	1	---	---
922T Dragged by train while caught in side doors, entering coach	1	---	---	---	---	1	---	---
924T Struck by side doors while entering coach-equipment moving	1	---	---	---	---	1	---	---
927T Striking side door while exiting coach-equipment moving	1	---	1	1	---	---	---	---
SUBTOTAL.....	6	1	1	2	---	4	---	---
STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED								
930T Stumbling/slipping, etc. on snow or ice - equipment moving	13	9	3	12	---	1	---	---
931T Stumbling/slipping, etc. on foreign mat./irregular surface-eqp mov	36	32	2	34	1	---	---	1
932T Stumbling/slipping, etc. on parts of track in place-equipment moving	9	7	---	7	---	---	---	2
934T Slip/fall, etc. between loco/car and other cars and struct-eqp mov	9	4	1	5	---	1	1	2
935T From bridges of trestles-equipment moving	6	---	4	4	---	---	---	2
936T From structures other than bridges or trestles-equipment moving	2	---	2	2	---	---	---	---
937T Into depressions - equipment moving	7	6	1	7	---	---	---	---
938T While on locomotive or car-equipment moving	90	47	18	65	1	20	---	4
939T Other, stumbling, slipping, falling, caught, etc. - equipment moving	43	13	5	18	1	3	2	19
SUBTOTAL.....	215	118	36	154	3	25	3	30
FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.								
940T Foreign object in eye-equipment moving	76	71	4	75	1	---	---	---
941T Struck by flying or falling object (except assaults)-eqp mov	27	13	10	23	---	2	---	2
942T Electrical flash, shock, or burn-equipment moving	1	1	---	1	---	---	---	---
943T Fire or explosion of fuses or torpedoes-equipment moving	1	1	---	1	---	---	---	---
945T Burned by hot or corrosive substances-equipment moving	16	10	4	14	---	2	---	---
946T Inhalation of or contact with fumes or gases-equipment moving	23	16	---	16	---	7	---	---
947T Electrical inj from contact with catenary, 3rd rail, etc., equipment moving	1	---	---	---	---	---	---	1
949T Other A/I resulting from flying/falling obje, burns, etc. - eqp mov	10	7	1	8	---	---	2	---
SUBTOTAL.....	155	119	19	138	1	11	2	3

TABLE 67. (CONTINUED)

Occurrence	Total Injured	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
OPERATION OF ON-TRACK WORK EQUIPMENT						
950T Collision with train or car	4	1 3	4	---	---	---
951T Collision with other on-track work equipment	24	---	24	---	---	---
952T Jumping from equipment in anticipation of a collision	7	3 4	7	---	---	---
953T Derailment that does not satisfy monetary threshold	20	1 17	18	---	2	---
954T Getting on/off on-track work equipment - equipment moving	7	---	7	---	---	---
959T Other A/I involving on-track work equipment - equipment moving	20	---	19	---	1	---
SUBTOTAL.....	82	5 74	79	---	3	---
ASSAULT						
96AT Shot while on moving on-track equipment	6	6	6	---	---	---
96CT Struck by other propelled object while on locomotive - equip moving	35	35	35	---	---	---
96DT Struck by other propelled object while on car - equip moving	3	3	3	---	---	---
96ET Struck by other propelled object while on caboose - equip moving	4	4	4	---	---	---
96GT Other unprovoked assaults to persons on moving on-track equipment	16	10 4	14	---	2	---
96JT Shot while on moving on-track equipment	1	1	1	---	---	---
96LT Other assaults connected with the protection of RR property - eqp moving	1	---	1	---	---	---
96MT All other assaults involving moving on-track equipment	2	2	2	---	---	---
SUBTOTAL.....	68	61 5	66	---	2	---
OTHER OCCURRENCES						
971T Loco or car coming against car placed for loading or unloading	2	1	1	---	1	---
972T Sudden movement of car, not otherwise classified	23	16 3	19	---	4	---
974T Slack action in caboose	28	27	27	---	1	---
975T Slack action, other	45	41 3	44	---	---	1
977T Emergency or severe application of air brakes not due to def eqp	7	6	6	---	1	---
986T Unexpected move of caboose, not slack action (include emergency & severe brking)	4	4	4	---	---	---
988T Other accidents/incidents while in caboose, equipment moving	22	22	22	---	---	---
989T Other accidents/incidents-equipment moving	123	52 33	85	1	12	16
SUBTOTAL.....	254	169 39	208	1	17	17
GRAND TOTAL.....	5,217	2,331 452	2,783	5	96	1,651 682

NOTE: Contractor employees are included with nontrespassers

TABLE 68. ILLNESS IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCE AND TYPE OF PERSON

Occurrence	Total Illness	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
OPERATING OR ON LOCOMOTIVES						
106T Unexpected movement of locomotive, other than slack action	1	1	---	---	---	---
107T Slack action in locomotive	1	1	---	---	---	---
109T Inhalation of or contact with fumes or gases - equipment moving	31	31	---	---	---	---
110T Defective locomotive seat - equipment moving	1	1	---	---	---	---
119T Other accidents/incidents while operating locomotives - eqp moving	20	20	---	---	---	---
SUBTOTAL.....	54	54	---	---	---	---
OPERATING SWITCHES OR DERAILS						
309T Other acc/inc while operating switches/derails - equipment moving	2	2	---	---	---	---
SUBTOTAL.....	2	2	---	---	---	---
GETTING ON OR OFF CARS OR LOCOMOTIVES						
519T Other acc/inc while getting on or off cars or locos - equipment mov	1	1	---	---	---	---
SUBTOTAL.....	1	1	---	---	---	---
COLLISIONS, DERAILMENTS, ETC.(DAMAGE BELOW THRESHOLD)						
603T Casualty resulting fm oth than Rail Equip A/I(not at rail-hwy X-ing)	1	1	---	---	---	---
SUBTOTAL.....	1	1	---	---	---	---
HIGHWAY-RAIL CROSSING ACCIDENTS/INCIDENTS						
609T Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp mov	3	3	---	---	---	---
610T Casualty at private rail-hwy X-ing (Not rptd on form 6180-54)-eqp mov	1	1	---	---	---	---
SUBTOTAL.....	4	4	---	---	---	---
STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT RAIL-HWY X-INGS)						
701T Standing, walking or running on or along track - equipment moving	2	2	---	---	---	---
SUBTOTAL.....	2	2	---	---	---	---
MAINTENANCE OF WAY AND STRUCTURES						
899T Other accs/incs while maintaining way and structures - eqp moving	1	---	1	---	---	---
SUBTOTAL.....	1	---	1	---	---	---
WINDOWS, DOORS, ETC., ON ON-TRACK EQUIPMENT						
919T Other accidents/incidents involving windows or doors-eqp mov	1	1	---	---	---	---
SUBTOTAL.....	1	1	---	---	---	---
STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED						
939T Other, stumbling, slipping, falling, caught, etc. - equipment moving	1	1	---	---	---	---
SUBTOTAL.....	1	1	---	---	---	---
FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.						
945T Burned by hot or corrosive substances-equipment moving	1	---	1	---	---	---
946T Inhalation of or contact with fumes or gases-equipment moving	11	10	1	---	---	---
SUBTOTAL.....	12	10	2	---	---	---
OTHER OCCURRENCES						
989T Other accidents/incidents-equipment moving	6	5	1	---	---	---
SUBTOTAL.....	6	5	1	---	---	---
GRAND TOTAL.....	85	81	4	85	---	---

NOTE: Contractor employees are included with nontrespassers

CASUALTIES IN NON-TRAIN INCIDENTS

TABLE 69. FATALITIES IN NON-TRAIN INCIDENTS BY SPECIFIC OCCURRENCE AND TYPE OF PERSON

Occurrence	Total Killed	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
COUPLING/UNCOUPLING AIR OR STEAM HOSE, SAFETY CHAINS ETC.						
057 Opening or closing angle cocks - equipment standing	1	1	---	---	---	---
SUBTOTAL.....	1	1	---	---	---	---
HIGHWAY-RAIL CROSSING ACCIDENTS/INCIDENTS						
609 Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp std	6	---	---	---	6	---
610 Casualty at private rail-hwy X-ing (Not rptd on form 6180-54)-eqp std	1	---	---	---	1	---
SUBTOTAL.....	7	---	---	---	7	---
STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT RAIL-HWY X-INGS)						
701 Standing, walking or running on or along track - equipment standing	1	---	---	---	---	1
709 Struck by or ran into loco/car (not at hwy x-ing), misc-eqp std	3	---	---	---	1	2
SUBTOTAL.....	4	---	---	---	1	3
SERVICING OR MAINTENANCE OF EQUIPMENT						
824 Stumbling, slipping, falling, caught, not elsewhere classified	1	---	1	1	---	---
SUBTOTAL.....	1	---	1	1	---	---
STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED						
935 From bridges or trestles	2	1	---	1	---	1
939 Other, stumbling, slipping, falling, caught, etc.	1	---	---	---	---	1
SUBTOTAL.....	3	1	---	1	---	2
FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.						
941 Struck by flying of falling object (except assaults)	1	---	---	---	1	---
947 Electrical injury due to contact with catenary, pantograph or 3rd rail	3	---	---	---	---	3
SUBTOTAL.....	4	---	---	---	1	3
ASSAULT						
96B Shooting incidents not involving persons on on-track equipment	2	---	2	2	---	---
96G All other unprovoked assaults	1	---	---	---	---	1
SUBTOTAL.....	3	---	2	2	---	1
OTHER OCCURRENCES						
970 Performing rerailling or other clearing operations	1	---	1	1	---	---
978 Motor vehicle acc/inc (other than rail-highway grade crossing)	6	---	5	5	---	1
989 Other accidents/incidents	5	---	1	1	---	3
SUBTOTAL.....	12	---	7	7	---	4
GRAND TOTAL.....	35	2	10	12	---	13

NOTE: Contractor employees are included with nontrespassers

TABLE 70. INJURIES IN NON-TRAIN INCIDENTS BY SPECIFIC OCCURRENCE AND TYPE OF PERSON

Occurrence	Total Injured	...Employees On Duty... Trainmen Other	Total	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS							
002 Adjusting coupler - equipment standing	163	160	3	163	---	---	---
003 Crossing over, under or between on-track equipment, equipment standing	6	6	---	6	---	---	---
004 Adjusting coupler, part of coupler fell striking person-eqp standing	29	28	1	29	---	---	---
005 Use of uncoupling lever - equipment standing	37	34	3	37	---	---	---
007 Striking parts of body against equipment - equipment standing	24	23	1	24	---	---	---
008 Stumbled, slipped, fell, stepped on foreign obj/irreg surface-eqp std	65	61	4	65	---	---	---
009 Other acc/inc while coupling/uncoupling cars or locos - equip std	95	87	5	92	3	---	---
SUBTOTAL.....	419	399	17	416	3	---	---
COUPLING/UNCOUPLING AIR OR STEAM HOSE, SAFETY CHAINS ETC.							
051 Crossing over, under or between on-track equipment, equipment standing	4	4	---	4	---	---	---
052 Uncoupl air hose, struck by hose due to sudden release of air-eqp std	22	17	5	22	---	---	---
053 Coupling air hose, stk by hose due to sudden release of air - eqp std	15	14	1	15	---	---	---
054 Stumbled, slipped, fell, or stepped on foreign obj, etc., eqp standing	44	39	5	44	---	---	---
055 Defective equipment - equipment standing	7	7	---	7	---	---	---
056 Burned by hot water or steam from hose - equipment standing	1	---	1	1	---	---	---
057 Opening or closing angle cocks - equipment standing	32	31	1	32	---	---	---
059 Oth A/I while coupl/uncoupl air/steam hose or turn angl cock-eqp std	114	96	18	114	---	---	---
SUBTOTAL.....	239	208	31	239	---	---	---
OPERATING OR ON LOCOMOTIVES							
101 Burn or electrical shock - equipment standing	8	6	2	8	---	---	---
102 Striking parts of body against equipment, moving about loco-eqp std	52	47	5	52	---	---	---
103 Struck by tools or other objects falling - equipment standing	13	8	5	13	---	---	---
104 Stumbled, slipped, fell, stepped on foreign obj, etc., - eqp std	149	128	21	149	---	---	---
105 Checking, oiling, servicing locomotive, etc. - equipment standing	27	13	14	27	---	---	---
109 Inhalation of or contact with fumes or gases - equipment standing	23	22	1	23	---	---	---
110 Defective locomotive seat - equipment standing	23	22	1	23	---	---	---
111 Adjusting locomotive seat - equipment standing	44	43	1	44	---	---	---
112 Foreign object in eye - equipment standing	63	54	9	63	---	---	---
119 Other accidents/incidents while operating locomotives - eqp standing	117	110	7	117	---	---	---
SUBTOTAL.....	519	453	66	519	---	---	---
OPERATING RAIL MOTORCARS							
151 Striking parts of body against equipment - equipment standing	8	4	4	8	---	---	---
153 Stumbled, slipped, fell or stepped on foreign obj, etc., - eqp std	2	1	1	2	---	---	---
155 Placing or removing rail motorcar on or off rail	9	---	9	9	---	---	---
159 Other accidents/incidents while operating rail motorcars - eqp std	7	6	1	7	---	---	---
SUBTOTAL.....	26	11	15	26	---	---	---

TABLE 70. (CONTINUED)

Occurrence	Total Injured	...Employees On Duty...	Trainmen	Other	Total	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
OPERATING HAND BRAKES									
200	208	195	13		208	---	---	---	---
201	32	25	7		32	---	---	---	---
203	9	9	---		9	---	---	---	---
205	3	1	2		3	---	---	---	---
206	10	10	---		10	---	---	---	---
207	41	40	1		41	---	---	---	---
208	6	6	---		6	---	---	---	---
209	71	66	5		71	---	---	---	---
SUBTOTAL.....	380	352	28		380	---	---	---	---
OPERATING SWITCHES OR DERAILS									
301	41	35	5		40	1	---	---	---
302	40	38	2		40	---	---	---	---
303	42	35	7		42	---	---	---	---
305	122	118	4		122	---	---	---	---
306	571	526	45		571	---	---	---	---
307	23	18	5		23	---	---	---	---
308	5	3	2		5	---	---	---	---
309	144	129	15		144	---	---	---	---
SUBTOTAL.....	988	902	85		987	1	---	---	---
CONTACTING FIXED OBJECTS WHILE ON LOCOMOTIVES OR CARS									
401	2	---	2		2	---	---	---	---
402	8	7	1		8	---	---	---	---
409	15	9	3		12	1	1	1	---
SUBTOTAL.....	25	16	6		22	1	1	1	---
GETTING ON OR OFF CARS OR LOCOMOTIVES									
501	57	43	14		57	---	---	---	---
502	147	119	21		140	---	7	---	---
503	33	28	1		29	---	2	---	2
504	178	149	25		174	1	3	---	---
505	41	33	6		39	1	1	---	---
506	22	18	4		22	---	---	---	---
507	92	58	20		78	---	14	---	---
508	86	12	8		20	1	63	2	---
511	43	27	8		35	---	8	---	---
513	4	1	2		3	---	1	---	---
514	11	8	3		11	---	---	---	---
519	249	211	30		241	2	6	---	---
SUBTOTAL.....	963	707	142		849	5	105	2	2

TABLE 70. (CONTINUED)

Occurrence	Total Injured	...Employees On Duty... Trainmen Other	Duty... Total	Emp Not On Duty	Passen- gers	Nontres- passers	Trea- passers
HIGHWAY-RAIL CROSSING ACCIDENTS/INCIDENTS							
609 Casualty at public rail-hwy X-ing (not rptd on form 6180-54)-eqp std	40	---	---	---	---	39	1
610 Casualty at private rail-hwy X-ing (Not rptd on form 6180-54)-eqp std	1	---	---	---	---	1	---
SUBTOTAL.....	41	---	---	---	---	40	1
STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT RAIL-HWY X-INGS)							
701 Standing, walking or running on or along track - equipment standing	4	---	1	1	---	---	3
703 Crossing track not at a crossing - equipment standing	6	---	---	---	---	---	6
708 Passing over, through, or under cars - equipment standing	1	---	1	1	---	---	---
709 Struck by or ran into loco/car (not at hwy x-ing), misc-eqp std	6	1	1	2	---	---	4
SUBTOTAL.....	17	1	3	4	---	---	13
SERVICING OR MAINTENANCE OF EQUIPMENT							
802 Crossing over, under, or between locos or cars - equipment standing	19	3	16	19	---	---	---
803 Striking or being struck by eqp, structures, or material-eqp std	292	7	281	288	1	3	---
804 Use of hand tools	371	5	358	363	1	7	---
805 Use of portable power tools	87	---	86	86	---	1	---
806 Use of welding equipment	67	1	64	65	---	2	---
807 Use of oxygen-acetylene, natural gas cutting equipment	36	---	36	36	---	---	---
808 Use of grinding equipment	45	---	36	36	---	9	---
809 Use of scaffolds, ladders, etc.	41	---	40	40	---	1	---
810 Lifting parts to install while making repairs	122	2	120	122	---	---	---
811 Use of cranes, hoists, derricks, piledrivers, etc.	60	---	60	60	---	---	---
812 Use of lift trucks and other portable material handling eqp	60	---	60	60	---	---	---
813 Use of shop machinery not elsewhere classified	70	---	70	70	---	---	---
814 Loading and unloading materials	108	3	105	108	---	---	---
815 Handling material by hand	441	12	427	439	---	2	---
816 Inhalation of or contact with fumes or gases	105	2	44	46	59	---	---
817 Foreign object in eye, using eye protection	200	20	172	192	2	6	---
818 Foreign object in eye, not using eye protection	81	8	67	75	4	2	---
819 Struck by flying or falling object	165	2	159	161	---	4	---
820 Electrical flash, shock, or burn	43	---	43	43	---	---	---
821 Fire or explosion of fuses or torpedoes	3	2	1	3	---	---	---
822 Other fire or explosion	5	---	5	5	---	---	---
823 Burned or irritated by hot, corrosive, or toxic substances	48	3	45	48	---	---	---
824 Stumbling, slipping, falling, caught, not elsewhere classified	627	15	590	605	22	---	---
825 Other acc/inc while servicing or maintaining eqp-eqp std	741	28	707	735	1	5	---
SUBTOTAL.....	3,837	113	3,592	3,705	90	42	---

TABLE 70. (CONTINUED)

Occurrence	Total Injured	...Employees On Duty... Trainmen Other	Duty... Total	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
MAINTENANCE OF WAY AND STRUCTURES							
852 Crossing over, under, or between locos or cars-eqp std	8	---	8	8	---	---	---
853 Striking or being struck by eqp, structures, or material-eqp std	259	2	249	251	1	---	7
854 Use of hand tools	517	1	508	509	2	---	6
855 Use of portable power tools	174	---	173	173	---	---	1
856 Use of welding equipment	24	---	24	24	---	---	---
857 Use of oxygen-acetylene, natural gas cutting equipment	17	---	17	17	---	---	---
858 Use of grinding equipment	56	---	55	55	---	---	1
859 Use of scaffolds, ladders, etc.	34	---	33	33	---	---	1
860 Use of cranes, hoists, derricks, piledrivers, etc.	46	---	46	46	---	---	---
861 Use of lift trucks and other portable material handling eqp	30	---	30	30	---	---	---
862 Use of shop machinery not elsewhere classified	22	---	22	22	---	---	---
863 Loading and unloading materials	353	1	349	350	1	---	2
864 Handling material by hand	513	2	508	510	1	---	2
866 Inhalation of or contact with fumes or gases	7	---	7	7	---	---	---
867 Foreign object in eye, using eye protection	109	3	106	109	---	---	---
868 Foreign object in eye, not using eye protection	60	4	53	57	2	---	1
869 Struck by flying of falling object	224	---	223	223	---	---	1
870 Electrical flash, shock, or burn	32	---	31	31	---	---	---
871 Fire or explosion of fuses or torpedoes	2	---	2	2	---	---	---
872 Other fire or explosion	5	---	5	5	---	---	---
873 Burned or irritated by hot, corrosive or toxic substances	29	1	28	29	---	---	---
874 Stumbling, slipping, falling, caught, not elsewhere classified	671	1	652	653	14	---	4
875 Use of maintenance of way equipment not elsewhere classified	117	---	115	115	2	---	---
876 Inserting or removing ties, switch timbers and tie plates by use of hand tools	169	2	165	167	---	---	2
877 Insert/remove ties, switch timbers and tie plates using portable power tools	48	---	47	47	---	---	1
878 Loading/unloading ties, switch timbers, tie plates and fastenings	108	---	107	107	---	---	1
879 Handling rail by use of power tools	32	---	32	32	---	---	---
880 Handling rail by use of hand tools	76	---	75	75	---	---	1
890 Handling/inserting/removing rail anchors (includes being struck by anchors)	89	---	88	88	1	---	---
891 Handling/inserting/removing track spikes (includes being struck by flying spike)	314	---	312	312	---	---	2
892 Working on or about sgnl or comm. poles, sgnl masts, sgnl cantilevers or catenary	107	---	107	107	---	---	---
893 Servicing or repairing MOW equipment at work site	101	---	100	100	---	---	1
899 Other accs/incs while maintaining way and structures - eqp standing	448	1	443	444	1	---	3
SUBTOTAL.....	4,801	18	4,720	4,738	25	---	38
FREIGHT, BAGGAGE, EXPRESS OR MAIL							
901 Handling freight, baggage, express or mail	43	9	33	42	1	---	---
902 Struck or caught by shifted lading	3	1	1	2	---	---	1
903 Tripping over, or struck by falling baggage in passenger car-eqp std	3	1	1	2	---	1	---
904 Other accident/incident involving freight, baggage, express, or mail	15	3	9	12	---	---	3
SUBTOTAL.....	64	14	44	58	1	1	3

TABLE 70. (CONTINUED)

Occurrence	Total Injured	...Employees On Duty...	Trainmen	Other	Total	Emp Not On Duty	Passengers	Nontrespassers	Trespassers
WINDOWS, DOORS, ETC., ON ON-TRACK EQUIPMENT									
907	Opening/closing hopper or gondola hatches, end or bottom doors, eqp standing	30	5	25	30	---	---	---	---
908	Clo/opn frt/bag car doors, exc plug type car doors, def eqp-eqp std	13	2	9	11	---	---	2	---
909	Clo/opn frt/bag car doors, exc plug type car doors, no def-eqp std	21	4	15	19	---	---	2	---
910	Closing or opening plug type car doors, defective equipment-eqp std	4	---	4	4	---	---	---	---
911	Closing or opening plug type car doors, no defects-equipment std	17	3	14	17	---	---	---	---
912	Closing or opening coach trap doors-equipment standing	28	16	5	21	1	6	---	---
913	Interior doors-equipment standing	36	31	5	36	---	---	---	---
914	Opening or closing locomotive doors-equipment standing	48	43	5	48	---	---	---	---
915	Opening or closing locomotive windows-equipment standing	6	5	1	6	---	---	---	---
916	Opening or closing caboose doors-equipment standing	1	1	---	1	---	---	---	---
917	Opening or closing caboose windows-equipment standing	3	3	---	3	---	---	---	---
918	Opening and closing other windows	10	10	---	10	---	---	---	---
919	Other accidents/incidents involving windows or doors	88	48	32	80	---	5	3	---
SUBTOTAL.....		305	171	115	286	1	11	7	---
PASSENGER CAR DOORS									
920	Caught by side doors while entering coach-equipment standing	3	---	---	---	---	3	---	---
921	Caught by side doors while exiting coach-equipment standing	3	1	---	1	---	2	---	---
924	Struck by side doors while entering coach-equipment standing	5	---	3	3	---	2	---	---
925	Struck by side doors while exiting coach-equipment standing	3	1	---	1	---	2	---	---
927	Striking side door while exiting coach-equipment standing	1	1	---	1	---	---	---	---
SUBTOTAL.....		15	3	3	6	---	9	---	---
STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED									
930	Stumbling/slipping, etc. on snow or ice	253	129	85	214	25	1	12	1
931	Stumbling/slipping, etc. on foreign material or irregular surface	641	413	183	596	26	3	15	1
932	Stumbling/slipping, etc. on parts of track in place	188	95	77	172	8	3	3	2
933	Stumbling/slipping, etc. on stairways, ramps or platforms	363	58	114	172	31	44	114	2
934	Slip/fall, etc. between loco/car and other cars and struct-eqp std	39	10	7	17	---	17	5	---
935	From bridges or trestles	25	6	13	19	---	---	1	5
936	From structures other than bridges or trestles	29	7	15	22	---	1	2	4
937	Into depressions	102	47	47	94	5	1	2	---
938	While on locomotive or car-equipment standing	92	29	46	75	---	8	9	---
939	Other, stumbling, slipping, falling, caught, etc.	248	75	105	180	14	14	38	2
SUBTOTAL.....		1,980	869	692	1,561	109	92	201	17

TABLE 70. (CONTINUED)

Occurrence	Total Injured	...Employees On Duty... Trainmen Other	Duty... Total	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.							
940 Foreign object in eye	157	110	37	147	6	---	4
941 Struck by flying or falling object (except assaults)	80	36	31	67	---	1	12
942 Electrical flash, shock, or burn	13	5	6	11	---	---	---
943 Fire or explosion of fuses or torpedoes	2	1	1	2	---	---	---
944 Other fire or explosion	8	1	6	7	---	---	1
945 Burned by hot or corrosive substances	21	9	11	20	---	---	1
946 Inhalation of or contact with fumes or gases	37	19	3	22	---	---	15
947 Electrical injury due to contact with catenary, pantograph or 3rd rail	6	---	1	1	---	---	---
949 Other acc/inc resulting from flying/falling objs, burns, etc.	17	7	8	15	---	---	2
SUBTOTAL.....	341	188	104	292	6	1	35
OPERATION OF ON-TRACK WORK EQUIPMENT							
954 Getting on/off on-track work equipment - equipment standing	35	---	35	35	---	---	---
959 Other A/I involving on-track work equipment - equipment standing	22	---	20	20	---	---	2
SUBTOTAL.....	57	---	55	55	---	---	2
ASSAULT							
96A Shot while on standing on-track equipment	1	1	---	1	---	---	---
96B Shooting incidents not involving persons on on-track equipment	3	1	1	2	1	---	---
96C Struck by other propelled object while on locomotive - equip standing	2	2	---	2	---	---	---
96D Struck by other propelled object while on car - equip standing	1	1	---	1	---	---	---
96F Struck by other propelled object, not on on-track equipment	6	3	2	5	1	---	---
96G All other unprovoked assaults	71	23	25	48	4	4	15
96L Other assaults connected with the protection of RR property - eqp standing	17	2	14	16	---	---	1
96M All other assaults not involving moving on-track equipment	62	8	47	55	2	2	3
96N Injuries sustained by ther perpetrator of an assault	4	1	1	2	---	---	---
SUBTOTAL.....	167	42	90	132	8	6	19
OTHER OCCURRENCES							
970 Performing rerealing or other clearing operations	32	6	26	32	---	---	---
978 Motor vehicle acc/inc (other than rail-highway grade crossing)	528	110	334	444	27	3	44
979 Servicing and maintenance of highway vehicles	20	1	18	19	---	---	1
980 Horseplay	12	---	9	9	2	1	---
981 Animal bites, including snake bites	12	4	6	10	1	---	1
982 Insect bites	167	66	91	157	8	1	1
983 Incidents occurring in office setting involving clerical, staff, etc., personnel	375	16	338	354	16	---	5
984 Contact with poisonous plants	16	1	15	16	---	---	---
985 Stepping on nails or other sharp objects	57	22	28	50	4	---	3
987 Caboose fire, equipment standing	1	---	1	1	---	---	---
988 Other accidents/incidents while in caboose, equipment standing	11	10	1	11	---	---	---
989 Other accidents/incidents	716	225	303	528	35	3	138
SUBTOTAL.....	1,947	461	1,170	1,631	93	8	192
GRAND TOTAL.....	17,131	4,928	10,978	15,906	343	234	582

NOTE: Contractor employees are included with nontrespassers

TABLE 71. ILLNESSES IN NON-TRAIN INCIDENTS BY SPECIFIC OCCURRENCE AND TYPE OF PERSON

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	1	1	---	1	---	---
SUBTOTAL.....	1	1	---	1	---	---
OPERATING OR ON LOCOMOTIVES						
109 Inhalation of or contact with fumes or gases - equipment standing	11	10	1	11	---	---
119 Other accidents/incidents while operating locomotives - eqp standing	3	3	---	3	---	---
SUBTOTAL.....	14	13	1	14	---	---
OPERATING HAND BRAKES						
200 Manipulating hand brakes, no defects, equipment standing	1	1	---	1	---	---
209 Other accidents/incidents while operating hand brakes - eqp standing	2	2	---	2	---	---
SUBTOTAL.....	3	3	---	3	---	---
OPERATING SWITCHES OR DERAILS						
306 Lining switches, no defects	3	3	---	3	---	---
309 Other acc/inc while operating switches/derails - equipment standing	2	2	---	2	---	---
SUBTOTAL.....	5	5	---	5	---	---
GETTING ON OR OFF CARS OR LOCOMOTIVES						
519 Other acc/inc while getting on or off cars or locos - equipment std	3	3	---	3	---	---
SUBTOTAL.....	3	3	---	3	---	---
SERVICING OR MAINTENANCE OF EQUIPMENT						
803 Striking or being struck by eqp, structures, or material-eqp std	1	---	1	1	---	---
804 Use of hand tools	23	---	23	23	---	---
805 Use of portable power tools	18	---	18	18	---	---
806 Use of welding equipment	6	---	6	6	---	---
81A Lifting parts to install while making repairs	1	---	1	1	---	---
812 Use of shop machinery not elsewhere classified	1	---	1	1	---	---
813 Loading and unloading materials	1	---	1	1	---	---
814 Handling material by hand	7	---	7	7	---	---
816 Inhalation of or contact with fumes or gases	13	2	11	13	---	---
823 Burned or irritated by hot, corrosive, or toxic substances	10	---	10	10	---	---
824 Stumbling, slipping, falling, caught, not elsewhere classified	1	---	1	1	---	---
825 Other acc/inc while servicing or maintaining eqp-eqp std	86	1	84	85	1	---
SUBTOTAL.....	168	3	164	167	1	---

TABLE 71. (CONTINUED)

Occurrence	Total Illness	...Employees On Duty... Trainmen Other	Emp Not On Duty	Passen- gers	Nontres- passers	Tres- passers
MAINTENANCE OF WAY AND STRUCTURES						
854 Use of hand tools	7	---	7	---	---	---
855 Use of portable power tools	3	---	3	---	---	---
858 Use of grinding equipment	2	---	2	---	---	---
860 Use of cranes, hoists, derricks, piledrivers, etc.	1	---	1	---	---	---
862 Use of shop machinery not elsewhere classified	1	---	1	---	---	---
863 Loading and unloading materials	1	---	1	---	---	---
864 Handling material by hand	2	---	2	---	---	---
866 Inhalation of or contact with fumes or gases	5	---	5	---	---	---
869 Struck by flying of falling object	1	---	1	---	---	---
873 Burned or irritated by hot, corrosive or toxic substances	2	---	2	---	---	---
875 Use of maintenance of way equipment not elsewhere classified	3	---	3	---	---	---
876 Inserting or removing ties, switch timbers and tie plates by use of hand tools	4	---	4	---	---	---
878 Loading/unloading ties, switch timbers, tie plates and fastenings	3	---	3	---	---	---
880 Handling rail by use of hand tools	1	---	1	---	---	---
890 Handling/inserting/removing rail anchors (includes being struck by anchors)	5	---	5	---	---	---
891 Handling/inserting/removing track spikes (includes being struck by flying spike)	7	---	7	---	---	---
892 Working on or about sgnl or comm. poles, sgnl masts, sgnl cantilevers or catenary	2	---	2	---	---	---
893 Servicing or repairing MOW equipment at work site	2	---	2	---	---	---
899 Other accs/incs while maintaining way and structures - eqp standing	45	---	45	---	---	---
SUBTOTAL.....	97	---	97	---	---	---
WINDOWS, DOORS, ETC., ON ON-TRACK EQUIPMENT						
916 Opening or closing caboose doors-equipment standing	1	---	1	---	---	---
SUBTOTAL.....	1	---	1	---	---	---
FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.						
945 Burned by hot or corrosive substances	1	---	1	---	---	---
946 Inhalation of or contact with fumes or gases	30	20	10	30	---	---
949 Other acc/inc resulting from flying/falling objcs, burns, etc.	1	1	---	1	---	---
SUBTOTAL.....	32	21	11	32	---	---
OPERATION OF ON-TRACK WORK EQUIPMENT						
959 Other A/I involving on-track work equipment - equipment standing	1	---	1	---	---	---
SUBTOTAL.....	1	---	1	---	---	---
OTHER OCCURRENCES						
970 Performing rerailling or other clearing operations	1	---	1	---	---	---
978 Motor vehicle acc/inc (other than rail-highway grade crossing)	2	---	2	---	---	---
982 Insect bites	3	1	1	2	---	1
983 Incidents occurring in office setting involving clerical, staff, etc., personnel	87	1	86	87	---	---
984 Contact with poisonous plants	47	6	41	47	---	---
988 Other accidents/incidents while in caboose, equipment standing	1	1	---	1	---	---
989 Other accidents/incidents	109	48	58	106	2	1
SUBTOTAL.....	250	57	189	246	2	2
GRAND TOTAL.....	575	106	464	570	3	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 1991 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 rail-highway 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," above.

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 \$50 million based on 1978 dollars.

Class II railroad. A railroad with an annual gross operating revenue of between \$10 and \$50 million based on 1978 dollars.

Class III Railroad. All switching and terminal companies, and all railroads with annual operating revenues of less than \$10 million based on 1978 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.

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.

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 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.

Rail-highway crossing. A location where one or more railroad tracks intersect a public or private thoroughfare, a sidewalk, or a pathway.

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-mile. 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**

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DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION
RAILROAD INJURY AND ILLNESS SUMMARY

Form Approved
OMB No. 04-R4009

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

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

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

(Use an im-
[L.S]
pression seal) _____ (Notary Public) _____ (Signature of affiant)

7. **MILES RUN DURING MONTH**

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

8.

A. EMPLOYEE MANHOURS WORKED	B. PASSENGER MILES OPERATED	C. NUMBER OF PASSENGERS TRANSPORTED
TOTAL TRAIN ACCIDENTS	TOTAL FRA FORMS 6180-88A	TOTAL FRA FORMS 6180-84
	TOTAL FRA FORMS 6180-84	TOTAL FRA FORMS 6180-87

SECTION A—RECAPITULATION OF ALL CASUALTIES INCLUDING HIGHWAY GRADE CROSSING ACCIDENT/INCIDENT CASUALTIES									CLASS OF PERSON FOR SECTIONS A AND B	SECTION B—RECAPITULATION OF ALL HIGHWAY GRADE CROSSING ACCIDENT/INCIDENT CASUALTIES							
TRAIN ACCIDENTS		TRAIN INCIDENTS		NONTRAIN INCIDENTS		TOTAL		TRAIN ACCIDENTS		TRAIN INCIDENTS		NONTRAIN INCIDENTS		TOTAL			
Kld	Inj	Kld	Inj	Kld	Inj	Kld	Inj	Kld		Inj	Kld	Inj	Kld	Inj	Kld	Inj	
									1. Employees on duty								
									2. Employees not on duty								
									3. Passengers on trains								
									4. Other nontrespassers								
									5. Trespassers (all classes)								
									6. Contractor Employees								
									7. GRAND TOTAL								

SECTION C—MEMORANDUM—SUBSEQUENT FATALITIES DEVELOPED FROM REPORTED CASUALTIES

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

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

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

RAIL EQUIPMENT ACCIDENT/INCIDENT REPORT

1. NAME OF REPORTING RAILROAD		Amtrak Autotrain		1a. Alphabetic Code	1b. Railroad Accident/Incident No.
2. NAME OF OTHER RAILROAD INVOLVED IN TRAIN ACCIDENT/INCIDENT				2a. Alphabetic Code	2b. Railroad Accident/Incident No.
3. NAME OF RAILROAD RESPONSIBLE FOR TRACK MAINTENANCE (single entry)				3a. Alphabetic Code	3b. Railroad Accident/Incident No.
4. U.S. DOT-ARR 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) 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. Manual block		4. Automatic block		7. Yard rules	
2. Interlocking		5. Traffic control		8. Time table	
3. Cab signal		6. Auto. train stop		9. Radio	
				10. Auto. train control	
				11. Verbal permission	
				12. 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	
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 30a. Initial and Number		30b. Position in Train	
30c. Loaded (yes or no)		31. LOCOMOTIVE UNITS (no. of)		32. CARS (no. of)	
a. Head End		Mid Train		Loaded	
b. Manual		c. Remote		a. Freight	
d. Manual		e. Remote		b. Pass.	
f. Caboose				c. Freight	
				d. Pass.	
(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		46. CONDUCTOR	
Hrs: Mins:		Hrs: Mins:		Hrs: Mins:	
47. TYPED NAME AND TITLE				48. SIGNATURE	
				49. DATE	
50. NARRATIVE DESCRIPTION - Describe the cause, nature and circumstances of accident/incident					

RAIL-HIGHWAY GRADE CROSSING ACCIDENT/INCIDENT REPORT

1. NAME OF REPORTING RAILROAD		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) 4. Car(s) (moving) 7. Light loco(s) (standing) 2. Train (units pushing) 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 Recorded	30. TIME TABLE DIRECTION 1. North 3. East 2. South 4. West	

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			
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			

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
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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?

Jan.	_____	Apr.	_____	July	_____	Oct.	_____
Feb.	_____	May	_____	Aug.	_____	Nov.	_____
Mar.	_____	June	_____	Sept.	_____	Dec.	_____

Name

CORPORATE NAME AND MAILING ADDRESS OF REPORTING RAILROAD →

STREET

CITY

STATE

ZIP CODE

Alphabetic Railroad Code (See FRA Guide, Appendix A)

VI. INJURY AND ILLNESS SUMMARY (Covering Calendar Year _____)

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

LINE	INJURY AND ILLNESS CATEGORY	TOTAL CASES (1)	DEATHS (2)	LOST WORKDAY CASES ONLY				NONFATAL CASES WITH-OUT LOST WORKDAYS (7)	TERMINA-TIONS OR PERMANENT TRANSFERS (8)
				Total lost work-day cases (includes restricted workday cases) (3)	Cases involving days away from work (4)	Days away from work (5)	Days of restricted work activity (6)		
1	OCCUPATIONAL INJURIES								
2	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
(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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