



U.S. Department  
of Transportation  
**Federal Railroad  
Administration**

# ACCIDENT/INCIDENT

## BULLETIN

NO. 163

August 1995

# CALENDAR YEAR 1994



always expect a train

## **NOTICE**

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

**Federal Railroad Administration  
Office of Safety, RRS-22  
400 Seventh Street, S. W.  
Washington, D. C. 20590**



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## INTRODUCTION

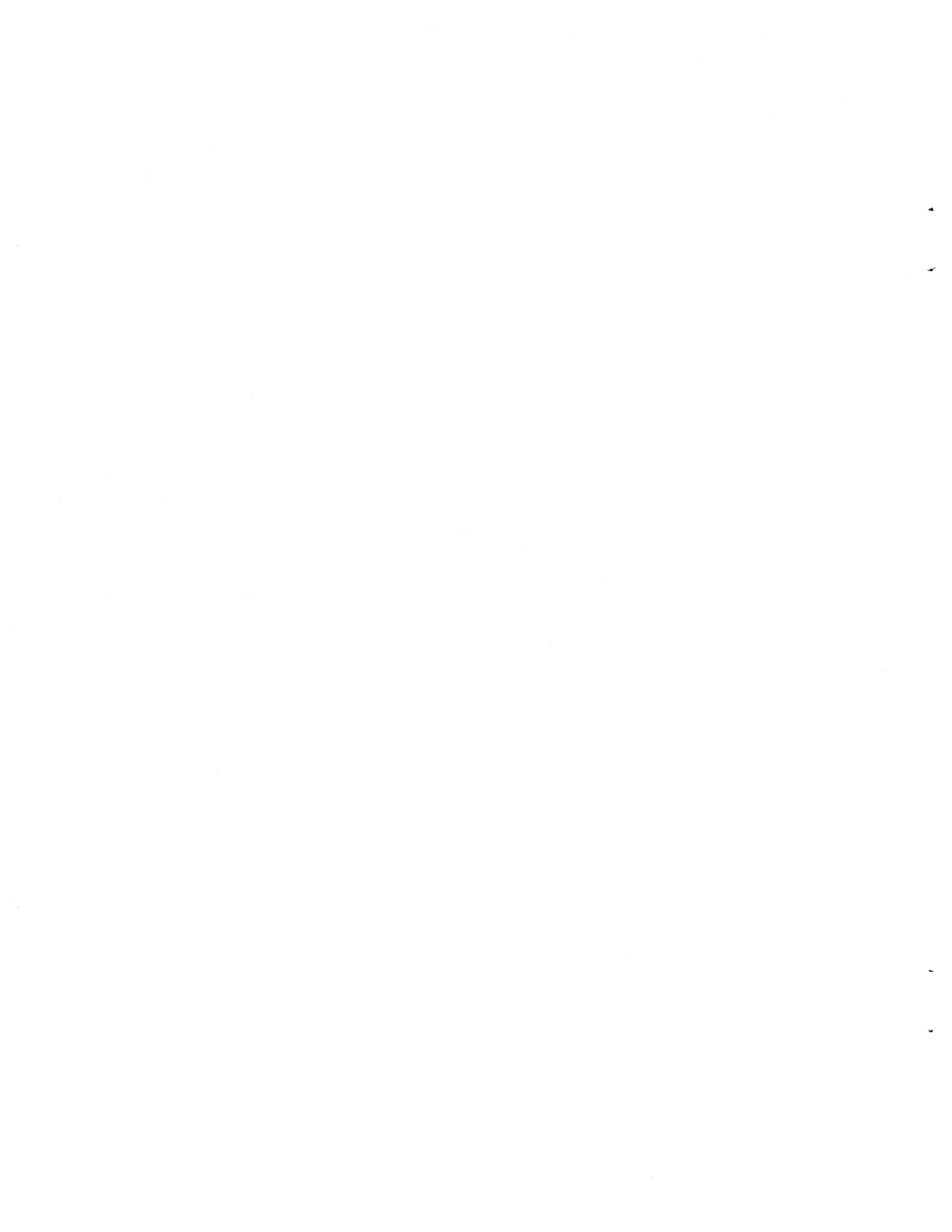
**Railroads must file monthly accident/incident reports with the Federal Railroad Administration's (FRA) Office of Safety. Bulletin 163 is a summary of accident/incident data reported by 688 railroads for calendar year 1994.**

**The FRA Guide For Preparing Accident/Incident Reports was reprinted in 1993. It incorporates many suggestions received from representatives of various segments of the railroad safety community. The primary goal of this revision was to improve uniformity of reporting between railroads though additional clarification of the existing reporting requirements. Because of this, comparisons of the accident/incident experience for the current year with earlier years are still valid.**

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

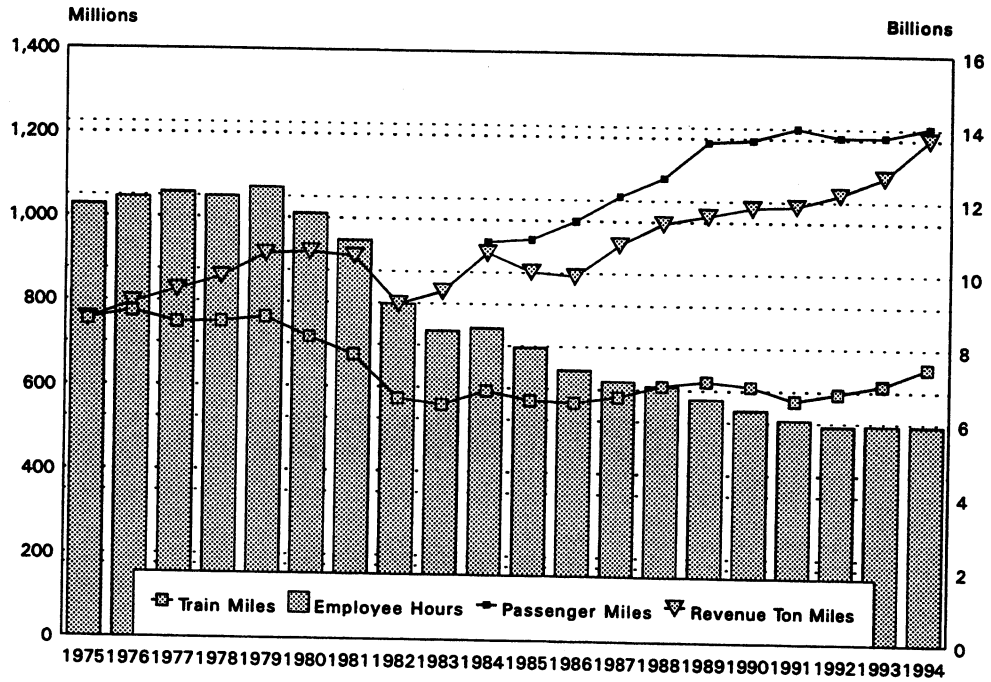
**There are three basic categories of reportable events: train accidents; highway-rail accidents; and, any other event that results in a reportable casualty (death, injury, illness). An accident/incident report must be prepared whenever the event results in certain consequences. For example, a train accident must cause reportable damage above \$6,300 but a highway-rail collision is reportable regardless of severity. Approximate 3.3% (165) of the 4,979 highway-rail accidents reported in 1994 exceeded the damage threshold required for train accidents. These 165 accidents appear in this publication as well as all reported casualties caused by highway-rail accident/incidents. When possible, the count of these are identified within the table or chart.**

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



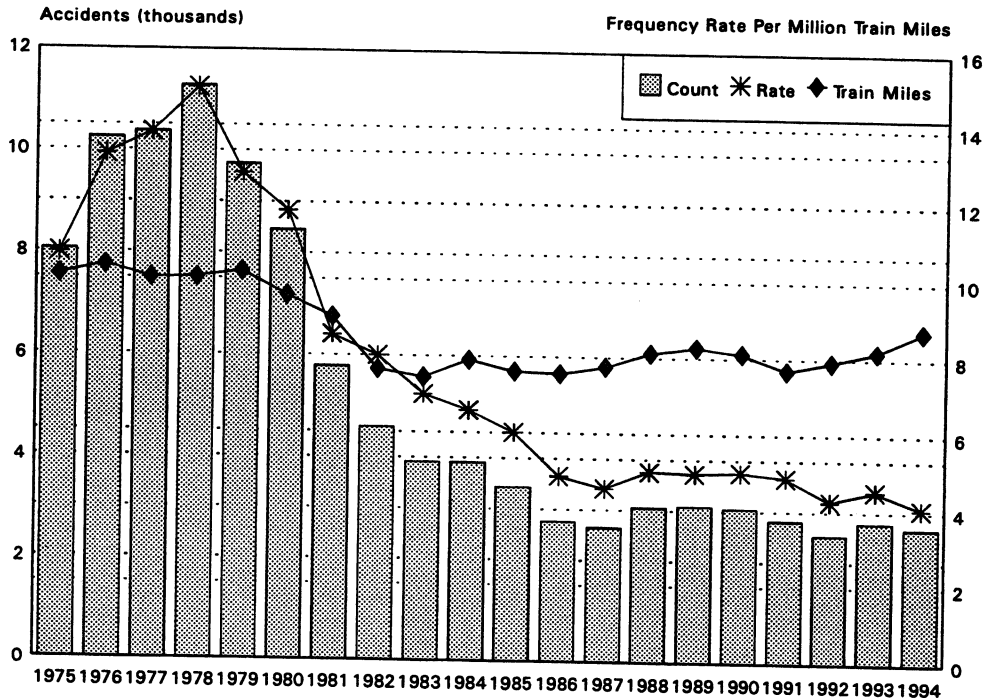
**HISTORICAL  
ACCIDENT  
TRENDS  
( G R A P H S )**

### FIGURE 1 - OPERATIONAL DATA



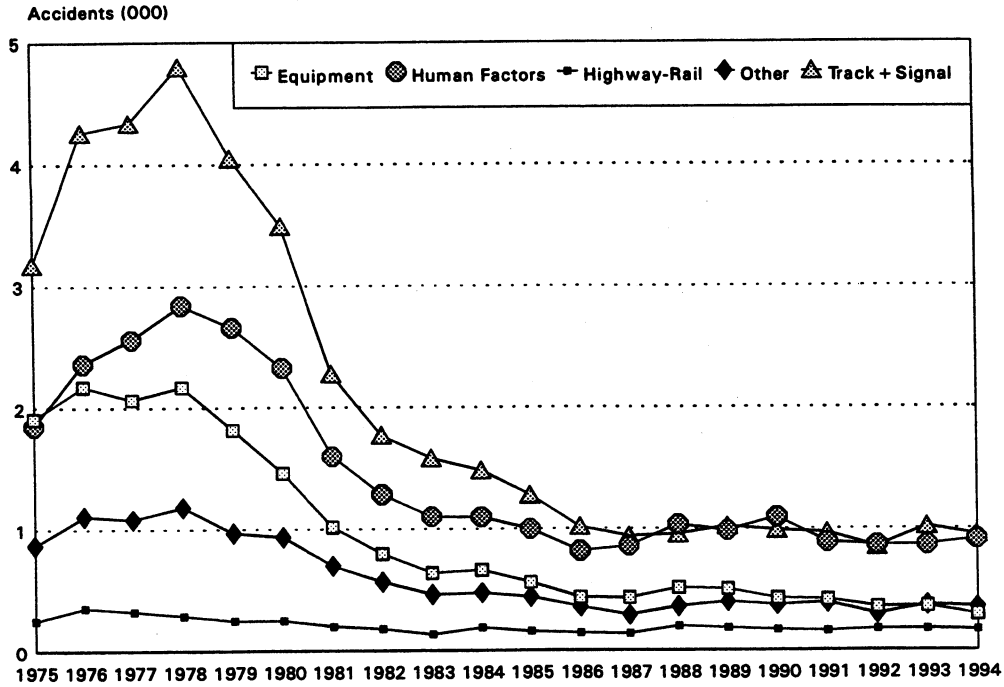
Train miles and employee hours are shown in millions using the left axis.  
 Revenue ton miles are shown in billions using the right axis.  
 Passenger miles are shown in billions using the right axis.

### FIGURE 2 - TRAIN ACCIDENTS



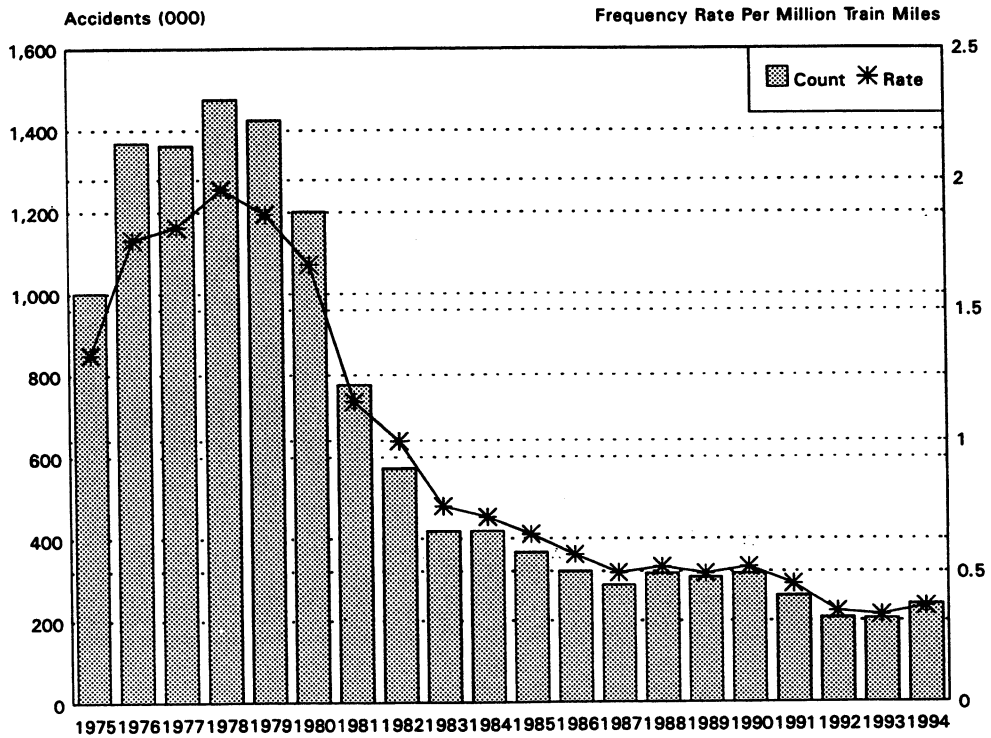
In order to obtain comparable scaling, train miles have been divided by 100,000 in this chart.  
 Train miles are displayed using the left axis.

**FIGURE 3 - TRAIN ACCIDENTS BY CAUSE**



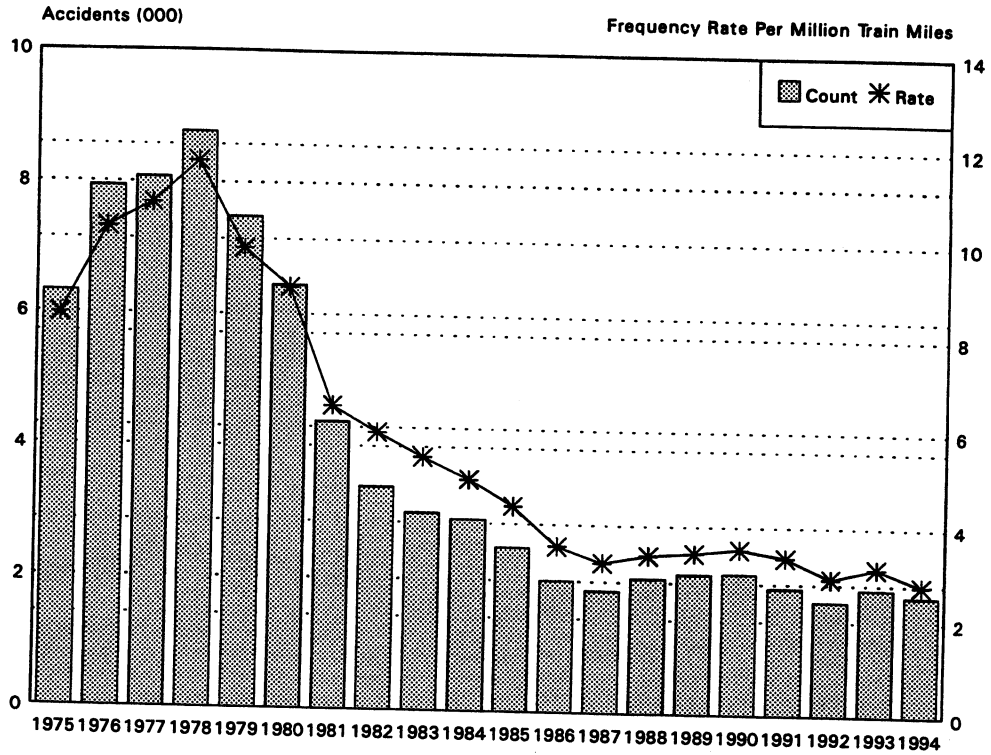
The highway-rail accidents appearing in this chart is limited to those that resulted in reportable damage above the threshold for train accidents.

**FIGURE 4 - COLLISIONS**

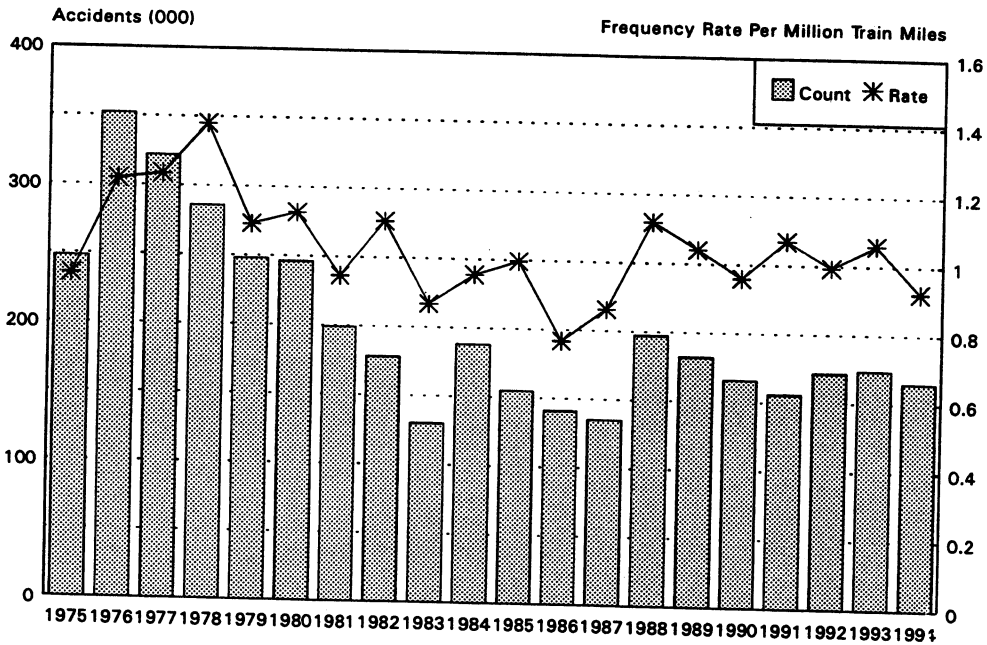




### FIGURE 5 - DERAILMENTS

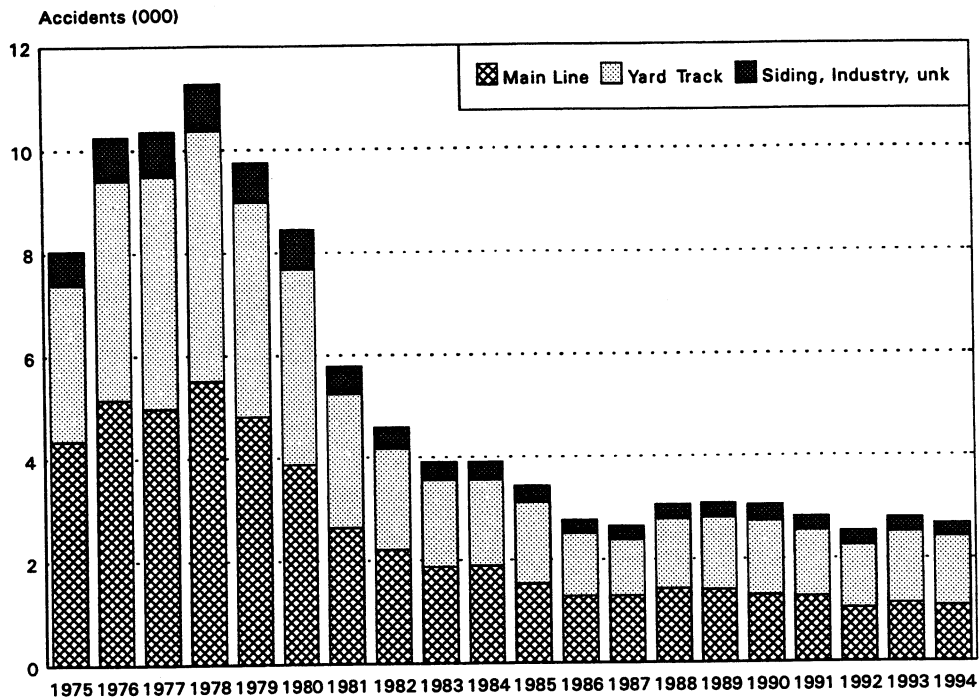


### FIGURE 6 - OTHER TRAIN ACCIDENTS Including Highway-Rail

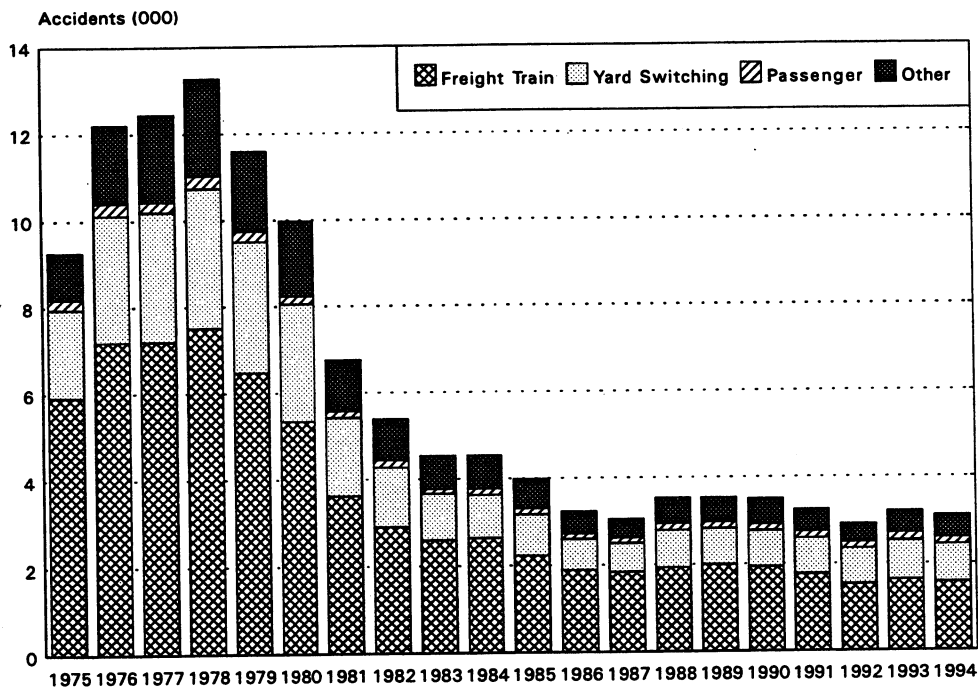


Highway-rail accidents are limited to those that resulted in reportable damage above the dollar threshold used for reporting train accidents. Please refer to Highway-Rail Crossing Accident/Incident and Inventory Bulletin for total counts of crossing accidents.

## FIGURE 7 - TRAIN ACCIDENTS By Type of Track

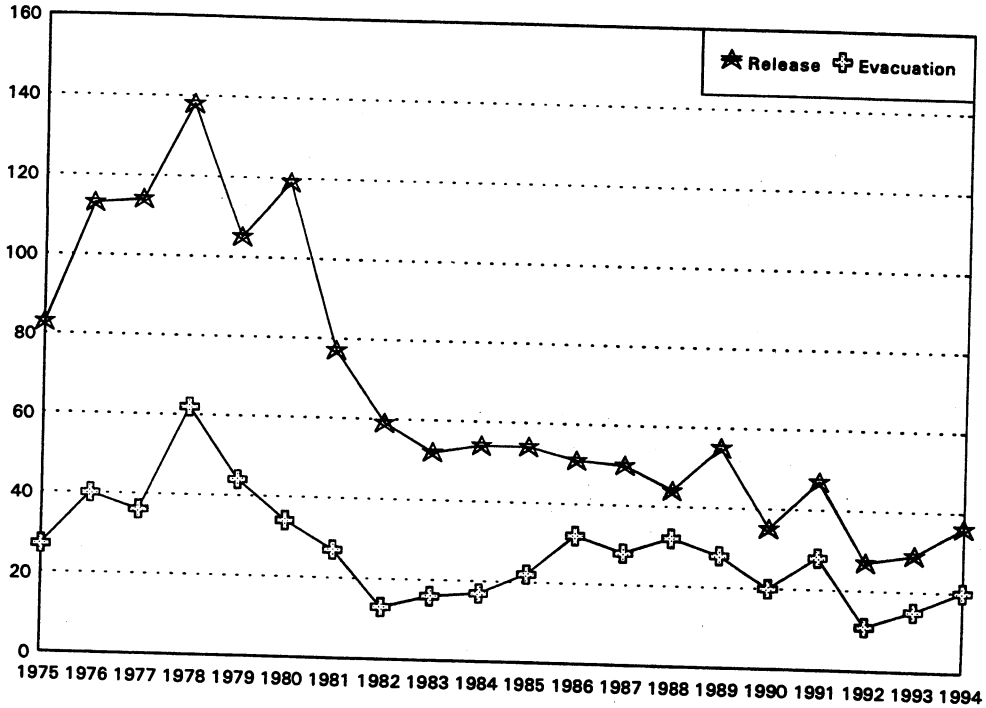


## FIGURE 8 - EQUIPMENT INVOLVED IN TRAIN ACCIDENTS



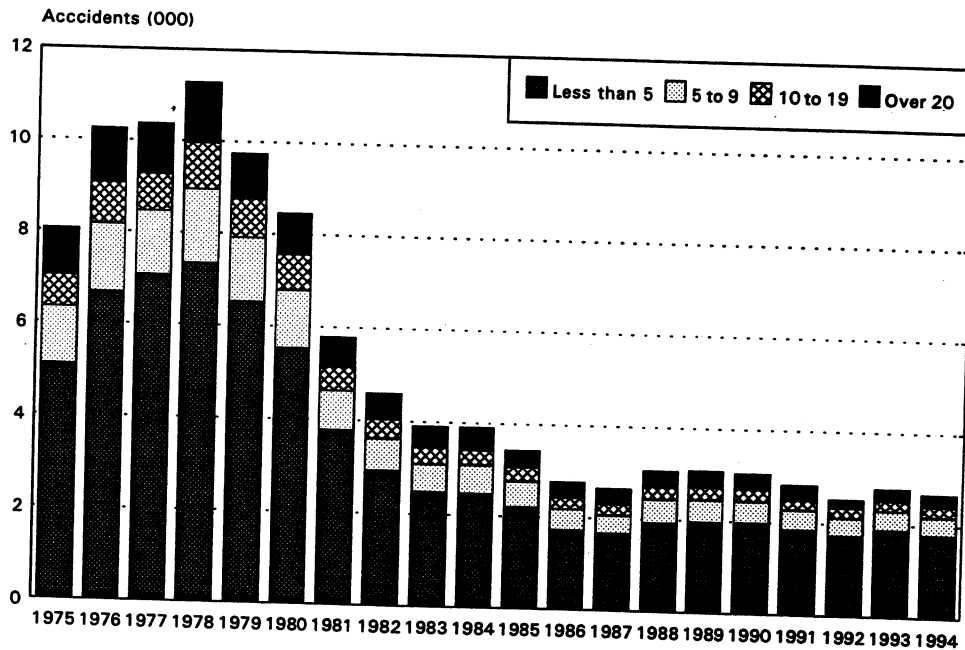
The counts appearing in this chart are higher than the number of accidents, since many accidents involve different types of equipment, e.g., a freight train side swipes a locomotive in a yard.

**FIGURE 9 - TRAIN ACCIDENTS INVOLVING HAZMAT**



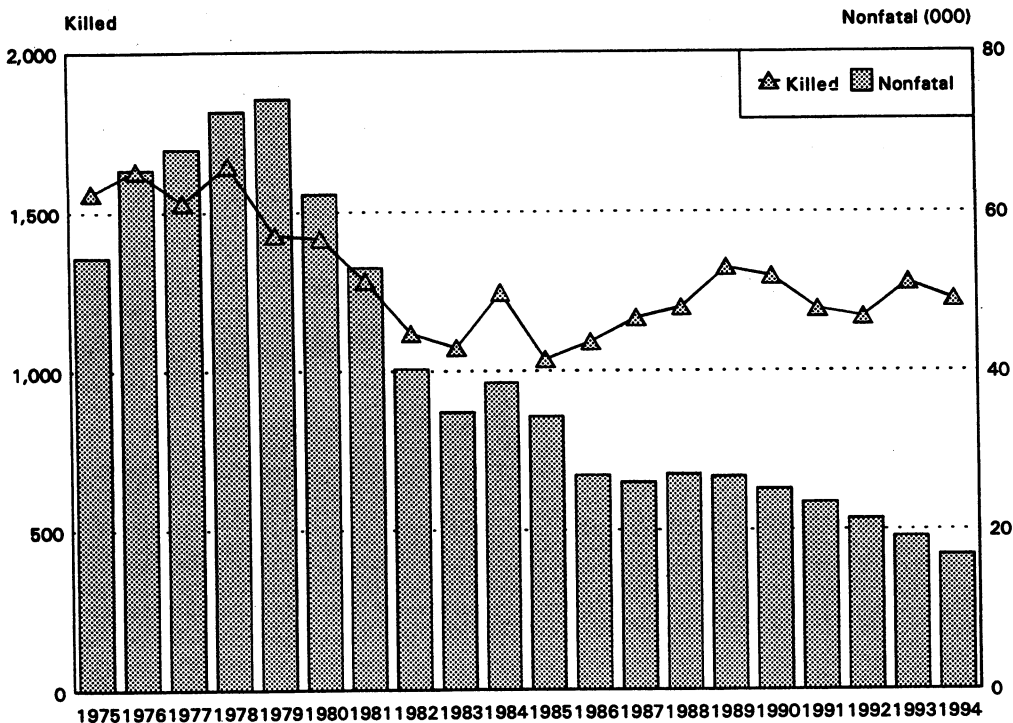
The number of accidents that resulted in an evacuation is a subset of accidents in which there was a release of hazardous materials.

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

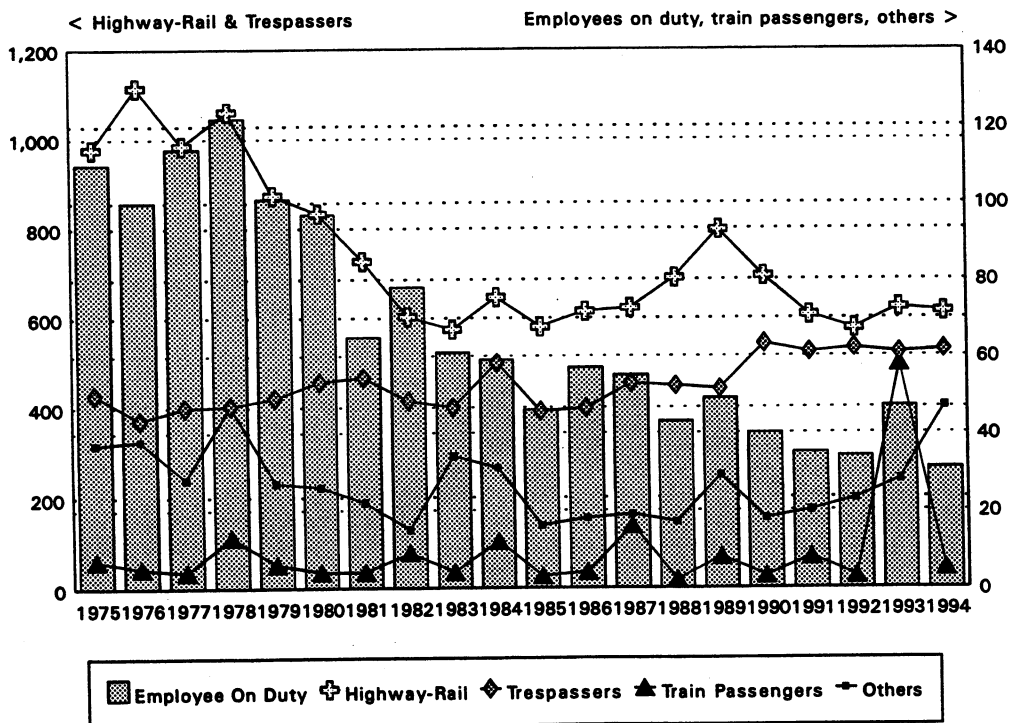


The threshold is normally adjusted every two years. In 1975 the threshold was \$1,750; in 1991 it was set at \$6,300 and has not changed since. This chart shows the number of accidents that exceed various multiples of the threshold. An accident does not appear in more than one group.

**FIGURE 11 - TOTAL CASUALTIES**  
All Accidents/Incidents

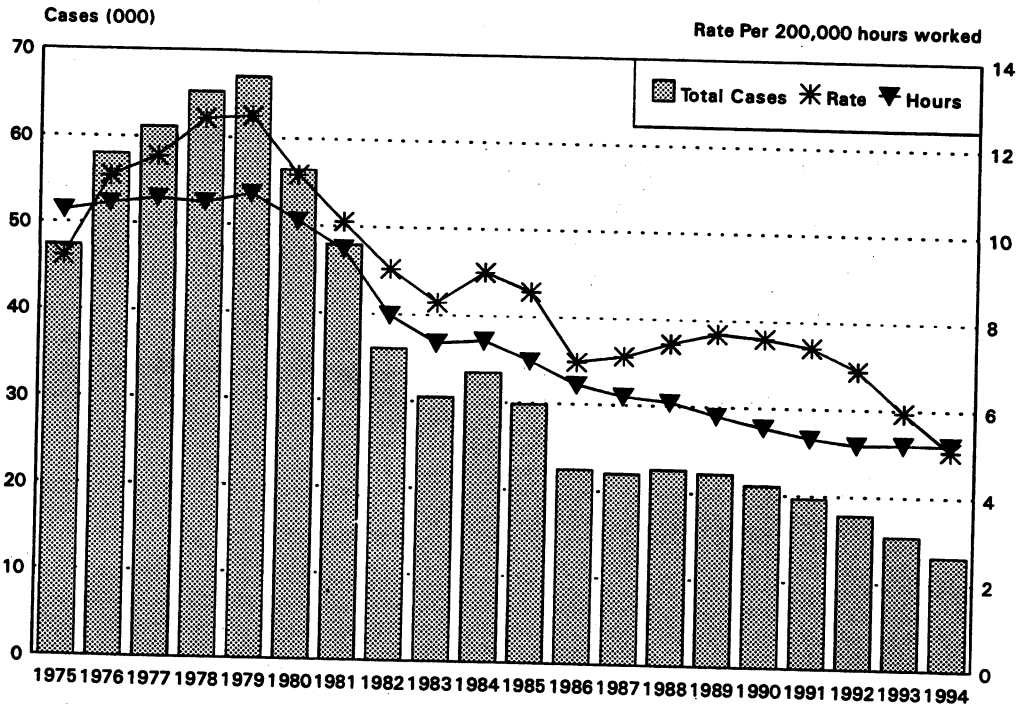


**FIGURE 12 - TOTAL FATALITIES**



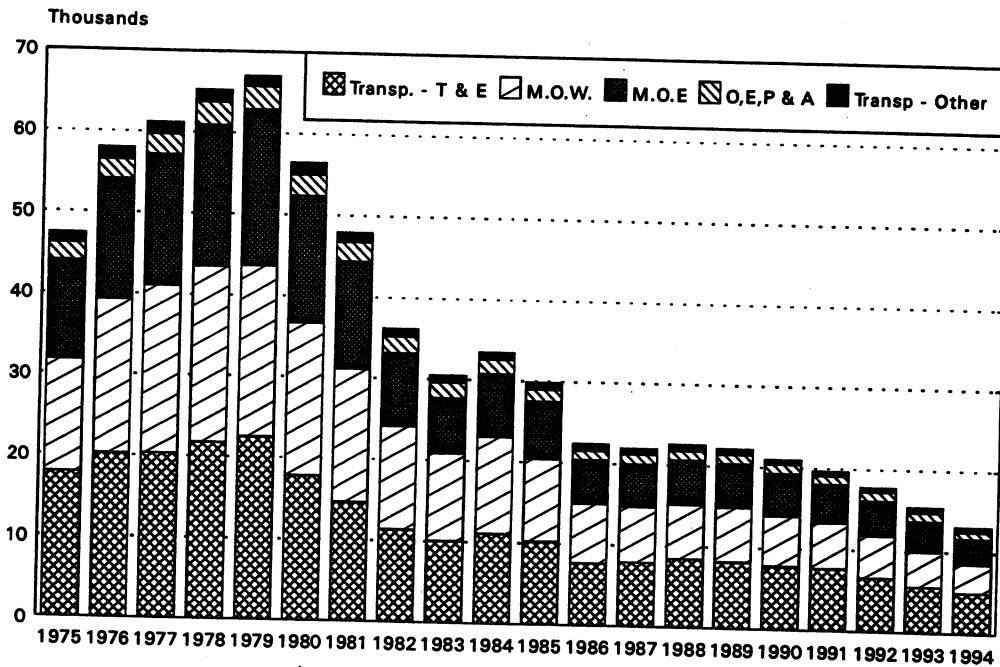
Highway-rail fatalities include all type persons except employees on duty.  
 "Others" include employees not on duty, contractor employees, and other persons  
 whose presence on railroad property was not prohibited.

### FIGURE 13 - EMPLOYEE ON DUTY CASUALTIES



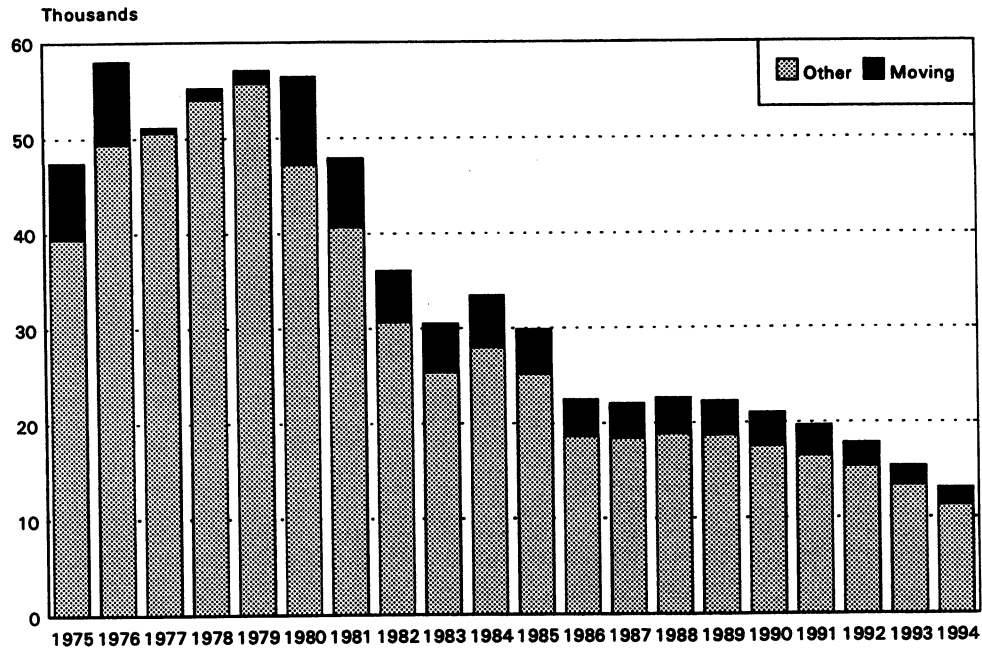
Total cases includes fatalities, plus nonfatal injuries and illnesses.  
 The total number of hours worked has been divided by 20,000 in order to obtain a comparable scale and are displayed using the left axis.

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



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

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



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



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



**TABLE 1. RAILROAD OPERATIONAL PROFILE<sup>1</sup>**

| <b>YEAR</b> | <b>EMPLOYEE HOURS</b> | <b>MOTOR TRAIN MILES</b> | <b>YARD SWITCHING MILES</b> | <b>LOCOMOTIVE TRAIN MILES</b> | <b>TOTAL TRAIN MILES</b> |
|-------------|-----------------------|--------------------------|-----------------------------|-------------------------------|--------------------------|
| 1989        | 578,410               | 32,542                   | 104,330                     | 483,727                       | 620,599                  |
| 1990        | 553,603               | 33,227                   | 98,151                      | 477,459                       | 608,837                  |
| 1991        | 530,661               | 28,112                   | 88,519                      | 460,204                       | 576,835                  |
| 1992        | 517,041               | 27,476                   | 84,430                      | 481,800                       | 593,704                  |
| 1993        | 519,673               | 28,419                   | 87,122                      | 498,433                       | 613,974                  |
| 1994        | 518,634               | 28,664                   | 89,776                      | 536,643                       | 655,083                  |

**TABLE 2. REVENUE TON-MILES<sup>2</sup>  
(BILLIONS)**

|      |         |
|------|---------|
| 1989 | 1,013.8 |
| 1990 | 1,034.0 |
| 1991 | 1,038.9 |
| 1992 | 1,066.8 |
| 1993 | 1,109.3 |
| 1994 | 1,200.7 |

**TABLE 3. TRAIN ACCIDENT CAUSES**

| <b>YEAR</b> | <b>HUMAN FACTORS</b> | <b>MECHANICAL &amp; ELECTRICAL FAILURES</b> | <b>SIGNAL &amp; TRACK DEFECTS</b> | <b>HIGHWAY-RAIL CROSSING IMPACTS<sup>3</sup></b> | <b>OTHER</b> | <b>TOTAL TRAIN ACCIDENTS</b> |
|-------------|----------------------|---|-----------------------------------|--|--------------|------------------------------|
| 1989        | 982                  | 501   | 1,019                             | 182  | 396          | 3,081                        |
| 1990        | 1,095                | 425   | 988                               | 166  | 371          | 3,045                        |
| 1991        | 887                  | 415   | 968                               | 156  | 388          | 2,814                        |
| 1992        | 864                  | 353   | 849                               | 172  | 293          | 2,531                        |
| 1993        | 865                  | 360   | 1,017                             | 174  | 369          | 2,785                        |
| 1994        | 911                  | 293   | 947                               | 165  | 353          | 2,669                        |

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

<sup>2</sup>SOURCE: Association of American Railroads  
1994 figures are preliminary

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

**TABLE 4. TRAIN ACCIDENTS AND REPORTABLE DAMAGES BY TRAIN MILES**

| YEAR | TOTAL ACCIDENTS | TOTAL \$ DAMAGE | AVERAGE \$ DAMAGE | DAMAGE/MILL. TRAIN MILES | ACCIDENTS/ MILLION TRAIN MILES |
|------|-----------------|-----------------|-------------------|--------------------------|--------------------------------|
| 1989 | 3,081           | 212,047,308     | 68,847            | 341,682                  | 4.96                           |
| 1990 | 3,045           | 211,790,873     | 69,554            | 347,861                  | 5.00                           |
| 1991 | 2,814           | 222,936,995     | 79,224            | 386,483                  | 4.88                           |
| 1992 | 2,531           | 127,017,536     | 50,185            | 213,941                  | 4.26                           |
| 1993 | 2,785           | 190,905,060     | 68,548            | 310,933                  | 4.54                           |
| 1994 | 2,669           | 180,550,518     | 67,647            | 275,615                  | 4.07                           |

**TABLE 5. TRAIN ACCIDENTS AND REPORTABLE DAMAGE BY TYPE**

| YEAR                                    | TOTAL ACCIDENTS | TOTAL \$ DAMAGE | AVERAGE \$ DAMAGE | DAMAGE/MILL. TRAIN MILES | ACCIDENTS/ MILLION TRAIN MILES |
|---|-----------------|-----------------|-------------------|--------------------------|--------------------------------|
| <b>COLLISIONS</b>                       |                 |                 |                   |                          |                                |
| 1989                                    | 305             | 22,794,904      | 74,737            | 36,730                   | 0.49                           |
| 1990                                    | 315             | 27,809,604      | 88,284            | 45,677                   | 0.52                           |
| 1991                                    | 261             | 37,921,672      | 145,294           | 65,741                   | 0.45                           |
| 1992                                    | 207             | 13,995,737      | 67,612            | 23,574                   | 0.35                           |
| 1993                                    | 205             | 26,151,800      | 127,570           | 42,594                   | 0.33                           |
| 1994                                    | 240             | 30,663,388      | 127,764           | 46,808                   | 0.37                           |
| <b>DERAILMENTS</b>                      |                 |                 |                   |                          |                                |
| 1989                                    | 2,129           | 152,735,826     | 71,741            | 246,110                  | 3.43                           |
| 1990                                    | 2,146           | 159,314,565     | 74,238            | 261,670                  | 3.52                           |
| 1991                                    | 1,936           | 153,089,957     | 79,075            | 265,396                  | 3.36                           |
| 1992                                    | 1,734           | 91,520,082      | 52,780            | 154,151                  | 2.92                           |
| 1993                                    | 1,930           | 139,821,449     | 72,446            | 227,732                  | 3.14                           |
| 1994                                    | 1,825           | 125,201,775     | 68,604            | 191,124                  | 2.79                           |
| <b>HIGHWAY-RAIL IMPACTS<sup>1</sup></b> |                 |                 |                   |                          |                                |
| 1989                                    | 182             | 21,853,749      | 120,076           | 35,214                   | 0.29                           |
| 1990                                    | 166             | 13,078,256      | 78,785            | 21,481                   | 0.27                           |
| 1991                                    | 156             | 13,275,120      | 85,097            | 23,014                   | 0.27                           |
| 1992                                    | 172             | 8,076,656       | 46,957            | 13,604                   | 0.29                           |
| 1993                                    | 174             | 10,255,804      | 58,941            | 16,704                   | 0.28                           |
| 1994                                    | 165             | 11,801,570      | 71,525            | 18,015                   | 0.25                           |
| <b>OTHER</b>                            |                 |                 |                   |                          |                                |
| 1989                                    | 464             | 14,662,829      | 31,601            | 23,627                   | 0.75                           |
| 1990                                    | 418             | 11,588,448      | 27,724            | 19,034                   | 0.69                           |
| 1991                                    | 461             | 18,650,246      | 40,456            | 32,332                   | 0.80                           |
| 1992                                    | 418             | 13,425,061      | 32,117            | 22,612                   | 0.70                           |
| 1993                                    | 476             | 14,676,007      | 30,832            | 23,903                   | 0.78                           |
| 1994                                    | 439             | 12,883,785      | 29,348            | 19,667                   | 0.67                           |

<sup>1</sup>All highway-rail collisions are included regardless of cause.

**TABLE 6. TRAIN ACCIDENTS AND REPORTABLE DAMAGE BY CAUSE**

| <b>YEAR</b>  | <b>TOTAL ACCIDENTS</b> | <b>TOTAL \$ DAMAGE</b> | <b>AVERAGE \$ DAMAGE</b> | <b>DAMAGE/MILL. TRAIN MILES</b> | <b>ACCIDENTS/MILLION TRAIN MILES</b> |
|--|------------------------|------------------------|--------------------------|---------------------------------|--------------------------------------|
| <b>HUMAN FACTORS (EXCLUDING HIGHWAY-RAIL IMPACTS)</b>            |                        |                        |                          |                                 |                                      |
| 1989   | 982                    | 63,358,368             | 64,520                   | 102,092                         | 1.58                                 |
| 1990   | 1,095                  | 60,126,052             | 54,910                   | 98,756                          | 1.80                                 |
| 1991   | 887                    | 70,813,850             | 79,835                   | 122,763                         | 1.54                                 |
| 1992   | 864                    | 33,653,530             | 38,951                   | 56,684                          | 1.46                                 |
| 1993   | 865                    | 39,580,482             | 45,758                   | 64,466                          | 1.41                                 |
| 1994   | 911                    | 44,294,746             | 48,622                   | 67,617                          | 1.39                                 |
| <b>EQUIPMENT FAILURES (EXCLUDING HIGHWAY-RAIL IMPACTS)</b>       |                        |                        |                          |                                 |                                      |
| 1989   | 501                    | 43,355,891             | 86,539                   | 69,861                          | 0.81                                 |
| 1990   | 425                    | 43,625,552             | 102,648                  | 71,654                          | 0.70                                 |
| 1991   | 415                    | 48,136,068             | 115,991                  | 83,449                          | 0.72                                 |
| 1992   | 353                    | 24,676,396             | 69,905                   | 41,563                          | 0.59                                 |
| 1993   | 360                    | 36,650,245             | 101,806                  | 59,693                          | 0.59                                 |
| 1994   | 293                    | 31,746,843             | 108,351                  | 48,462                          | 0.45                                 |
| <b>SIGNAL AND TRACK DEFECTS (EXCLUDING HIGHWAY-RAIL IMPACTS)</b> |                        |                        |                          |                                 |                                      |
| 1989   | 1,019                  | 57,624,951             | 56,550                   | 92,854                          | 1.64                                 |
| 1990   | 988                    | 58,058,297             | 58,763                   | 95,359                          | 1.62                                 |
| 1991   | 968                    | 59,956,163             | 61,938                   | 103,940                         | 1.68                                 |
| 1992   | 849                    | 41,613,860             | 49,015                   | 70,092                          | 1.43                                 |
| 1993   | 1,017                  | 58,091,658             | 57,121                   | 94,616                          | 1.66                                 |
| 1994   | 947                    | 56,209,632             | 59,355                   | 85,805                          | 1.45                                 |
| <b>HIGHWAY-RAIL IMPACTS<sup>1</sup></b>                          |                        |                        |                          |                                 |                                      |
| 1989   | 182                    | 21,853,749             | 120,076                  | 35,214                          | 0.29                                 |
| 1990   | 166                    | 13,078,256             | 78,785                   | 21,481                          | 0.27                                 |
| 1991   | 156                    | 13,275,120             | 85,097                   | 23,014                          | 0.27                                 |
| 1992   | 172                    | 8,076,656              | 46,957                   | 13,604                          | 0.29                                 |
| 1993   | 174                    | 10,255,804             | 58,941                   | 16,704                          | 0.28                                 |
| 1994   | 165                    | 11,801,570             | 71,525                   | 18,015                          | 0.25                                 |
| <b>OTHER (EXCLUDING HIGHWAY-RAIL IMPACTS)</b>                    |                        |                        |                          |                                 |                                      |
| 1989   | 396                    | 25,854,349             | 65,289                   | 41,660                          | 0.64                                 |
| 1990   | 371                    | 36,902,716             | 99,468                   | 60,612                          | 0.61                                 |
| 1991   | 388                    | 30,755,794             | 79,268                   | 53,318                          | 0.67                                 |
| 1992   | 293                    | 18,997,094             | 64,836                   | 31,998                          | 0.49                                 |
| 1993   | 369                    | 46,326,871             | 125,547                  | 75,454                          | 0.61                                 |
| 1994   | 353                    | 36,497,727             | 103,393                  | 55,715                          | 0.54                                 |

<sup>1</sup>All highway-rail collisions are included regardless of cause.

**TABLE 7. CASUALTIES IN ACCIDENTS/INCIDENTS**

| <b>YEAR AND<br/>TYPE<br/>ACC/INC</b>                          | <b>DEATHS</b> | <b>INJURIES</b> | <b>TOTAL<br/>CASUALTIES</b> | <b>TOTAL<br/>ACCIDENTS/<br/>INCIDENTS<sup>1</sup></b> | <b>CASUALTIES<br/>PER MILLION<br/>TRAIN MILES</b> |
|---|---------------|-----------------|-----------------------------|---|---|
| <b>TRAIN ACCIDENTS (EXCLUDING HIGHWAY-RAIL IMPACTS)</b>       |               |                 |                             |   |   |
| 1989  | 16            | 311             | 327                         | 2,898   | 0.53  |
| 1990  | 10            | 451             | 461                         | 2,879   | 0.76  |
| 1991  | 19            | 326             | 345                         | 2,658   | 0.60  |
| 1992  | 6             | 171             | 177                         | 2,359   | 0.30  |
| 1993  | 67            | 308             | 375                         | 2,611   | 0.61  |
| 1994  | 12            | 262             | 274                         | 2,504   | 0.42  |
| <b>TRAIN INCIDENTS (EXCLUDING HIGHWAY-RAIL IMPACTS)</b>       |               |                 |                             |   |   |
| 1989  | 465           | 3,689           | 4,154                       | 4,037   | 6.69  |
| 1990  | 547           | 3,673           | 4,220                       | 4,063   | 6.93  |
| 1991  | 539           | 3,383           | 3,922                       | 3,805   | 6.80  |
| 1992  | 548           | 2,799           | 3,347                       | 3,225   | 5.64  |
| 1993  | 545           | 2,321           | 2,866                       | 2,721   | 4.67  |
| 1994  | 571           | 2,143           | 2,714                       | 2,621   | 4.14  |
| <b>NONTRAIN INCIDENTS (EXCLUDING HIGHWAY-RAIL IMPACTS)</b>    |               |                 |                             |   |   |
| 1989  | 42            | 19,847          | 19,889                      | 19,700  | 32.05   |
| 1990  | 42            | 18,612          | 18,654                      | 18,520  | 30.64   |
| 1991  | 28            | 17,665          | 17,693                      | 17,449  | 30.67   |
| 1992  | 37            | 16,438          | 16,475                      | 16,368  | 27.75   |
| 1993  | 41            | 14,655          | 14,696                      | 14,519  | 23.94   |
| 1994  | 28            | 12,445          | 12,473                      | 12,368  | 19.04   |
| <b>HIGHWAY-RAIL ACCIDENTS/INCIDENTS (EXCLUDED FROM ABOVE)</b> |               |                 |                             |   |   |
| 1989  | 801           | 2,868           | 3,669                       | 2,634   | 5.91  |
| 1990  | 698           | 2,407           | 3,105                       | 2,245   | 5.10  |
| 1991  | 608           | 2,094           | 2,702                       | 1,999   | 4.68  |
| 1992  | 579           | 1,975           | 2,554                       | 1,897   | 4.30  |
| 1993  | 626           | 1,837           | 2,463                       | 1,879   | 4.01  |
| 1994  | 615           | 1,962           | 2,577                       | 1,962   | 3.93  |
| <b>TOTAL ACCIDENTS/INCIDENTS</b>                              |               |                 |                             |   |   |
| 1989  | 1,324         | 26,715          | 28,039                      | 29,269  | 45.18   |
| 1990  | 1,297         | 25,143          | 26,440                      | 27,707  | 43.43   |
| 1991  | 1,194         | 23,468          | 24,662                      | 25,911  | 42.75   |
| 1992  | 1,170         | 21,383          | 22,553                      | 23,849  | 37.99   |
| 1993  | 1,279         | 19,121          | 20,400                      | 21,730  | 33.23   |
| 1994  | 1,226         | 16,812          | 18,038                      | 19,455  | 27.53   |

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

**TABLE 8. TOTAL ACCIDENTS/INCIDENTS**

| YEAR | TRAIN ACCIDENTS | TRAIN INCIDENTS | NONTRAIN INCIDENTS | HIGHWAY-RAIL CROSSING IMPACTS <sup>1</sup> | TOTAL  |
|------|-----------------|-----------------|--------------------|--|--------|
| 1989 | 2,898           | 4,037           | 19,700             | 2,634                                      | 29,269 |
| 1990 | 2,879           | 4,063           | 18,520             | 2,245                                      | 27,707 |
| 1991 | 2,658           | 3,805           | 17,449             | 1,999                                      | 25,911 |
| 1992 | 2,359           | 3,225           | 16,368             | 1,897                                      | 23,849 |
| 1993 | 2,611           | 2,721           | 14,519             | 1,879                                      | 21,730 |
| 1994 | 2,504           | 2,621           | 12,368             | 1,962                                      | 19,455 |

**TABLE 9. CASUALTIES BY TYPE OF PERSON**

| YEAR | EMPLOYEES ON DUTY |        | EMPLOYEES NOT ON DUTY |     | PASSENGERS ON TRAIN |     | NON TRESPASSERS |       | TRESPASSERS |     | CONTRACTOR EMPLOYEES <sup>2</sup> |     |
|------|-------------------|--------|-----------------------|-----|---------------------|-----|-----------------|-------|-------------|-----|-----------------------------------|-----|
|      | KLD               | INJ    | KLD                   | INJ | KLD                 | INJ | KLD             | INJ   | KLD         | INJ | KLD                               | INJ |
| 1989 | 49                | 22,183 | 1                     | 407 | 8                   | 399 | 621             | 2,579 | 641         | 898 | 4                                 | 249 |
| 1990 | 40                | 20,970 | 0                     | 326 | 3                   | 473 | 551             | 2,339 | 700         | 793 | 3                                 | 242 |
| 1991 | 35                | 19,626 | 1                     | 362 | 8                   | 382 | 484             | 2,110 | 663         | 769 | 3                                 | 219 |
| 1992 | 34                | 17,755 | 1                     | 310 | 3                   | 411 | 475             | 1,909 | 646         | 772 | 11                                | 226 |
| 1993 | 47                | 15,363 | 4                     | 348 | 58                  | 559 | 489             | 1,856 | 675         | 733 | 6                                 | 260 |
| 1994 | 31                | 13,080 | 0                     | 306 | 5                   | 497 | 505             | 1,913 | 682         | 764 | 3                                 | 252 |

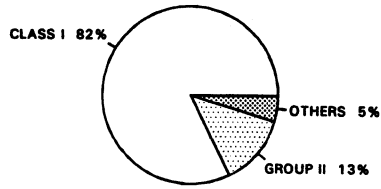
<sup>1</sup>Includes 165 train accidents and 1,797 other crossing incidents that resulted in a reportable casualty. There were 4,979 highway-rail accidents reported in 1994. Additional information on these can be found in the Highway-Rail Crossing Accident/Incident and Inventory Bulletin.

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

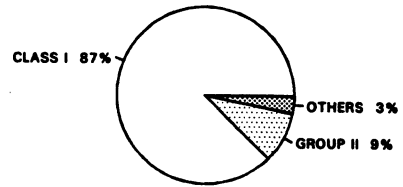
**OVERVIEW  
OF  
CURRENT  
YEAR  
( G R A P H S )**

**A monthly report must be made even though no reportable events occurred during the month. Reports were received from 688 railroads for the year. A total of 404 railroads provided reports for specific accidents/incidents. Casualty reports were prepared by 362 railroads, highway-rail accident/incident reports by 230 railroads, and 180 railroads submitted reports of train accidents.**

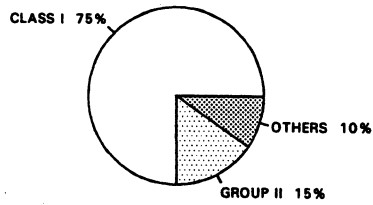
**FIGURE 16 - 1994 STATISTICS  
By Type Of Railroad**



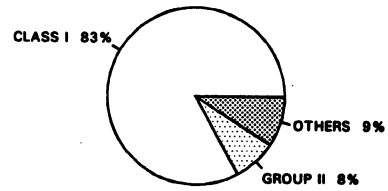
**TOTAL EMPLOYEE HOURS**



**TOTAL TRAIN MILES**



**TOTAL TRAIN ACCIDENTS 1/**



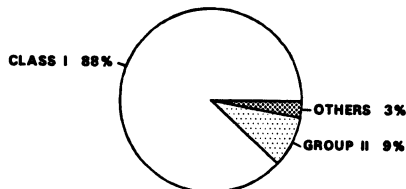
**HIGHWAY-RAIL CROSSINGS 2/**

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

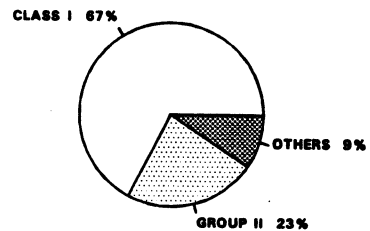
1/ Excludes Highway-Rail Accidents/Incidents

2/ All Highway-Rail Accidents/Incidents regardless of severity

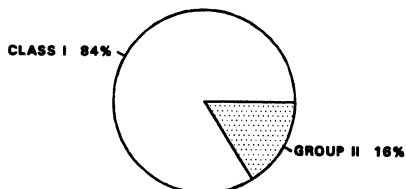
**FIGURE 17 - FATALITIES AND INJURIES, 1994  
By Type Of Railroad**



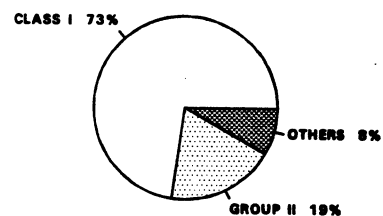
**ALL FATALITIES**



**ALL NONFATALS**



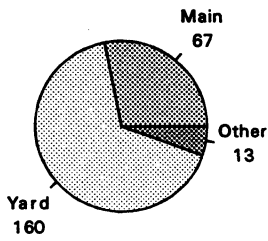
**EMPLOYEES ON DUTY FATALITIES**



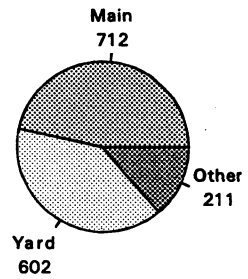
**EMPLOYEES ON DUTY NONFATALS**

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

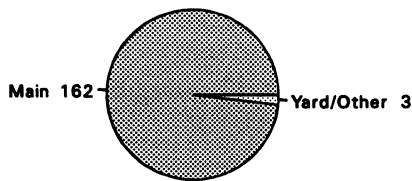
**FIGURE 18 - TRAIN ACCIDENTS BY TYPE  
And Track Type, 1994**



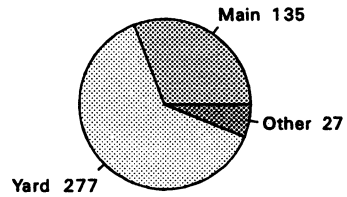
**COLLISIONS**



**DERAILMENTS**

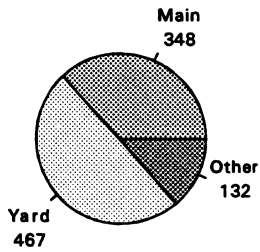


**HIGHWAY-RAIL**

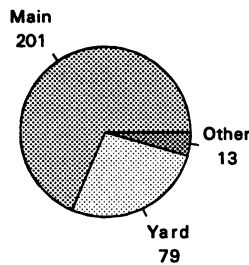


**OTHER ACCIDENT TYPES**

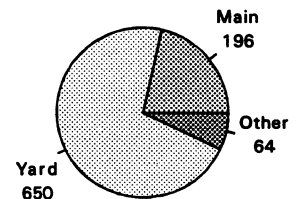
**FIGURE 19 - TRAIN ACCIDENTS BY CAUSE  
And Track Type, 1994**



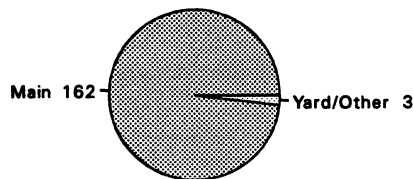
**TRACK**



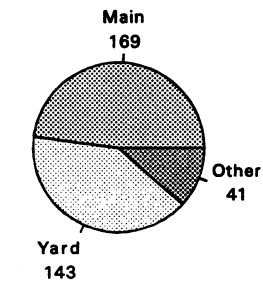
**EQUIPMENT**



**HUMAN FACTORS**



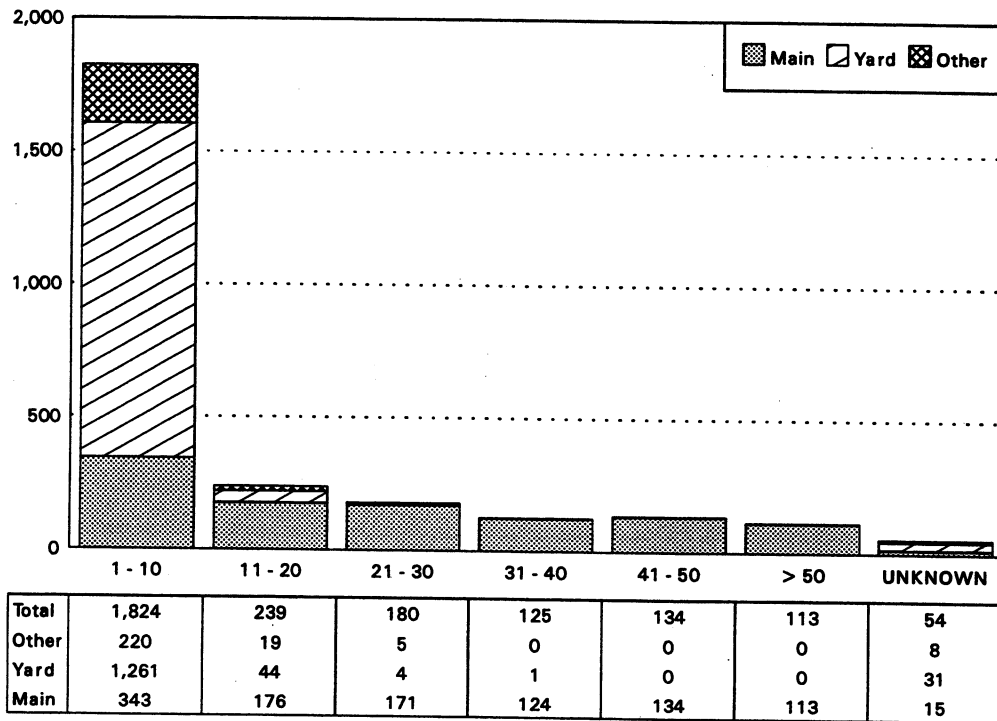
**HIGHWAY-RAIL**



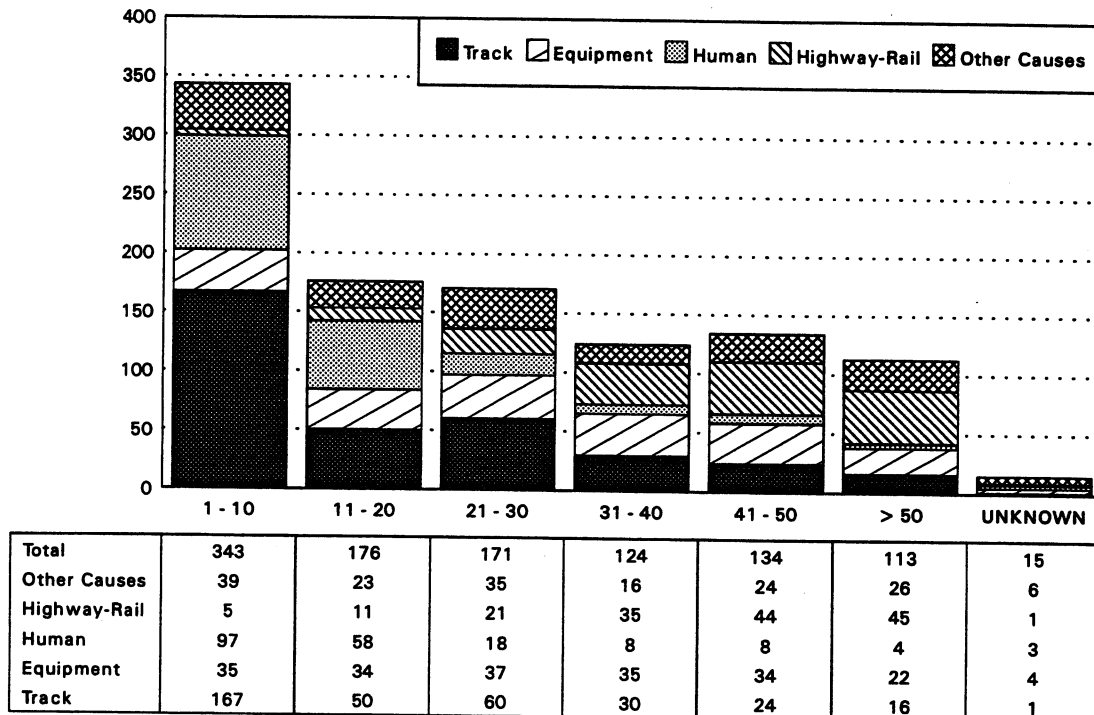
**OTHER CAUSES**



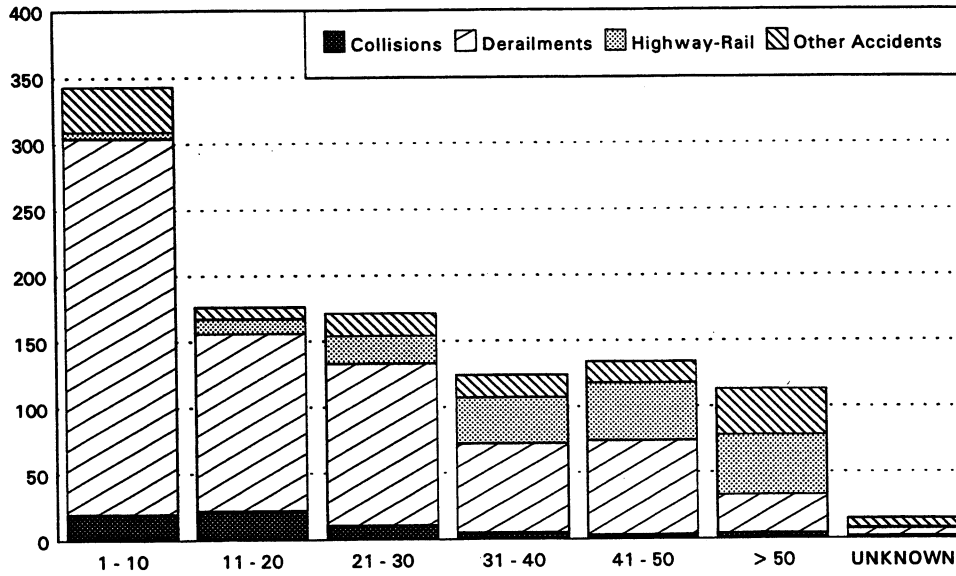
**FIGURE 20 - TRAIN ACCIDENTS BY TRACK CLASSIFICATION  
And Consist Speed, 1994**



**FIGURE 21 - ACCIDENTS ON MAIN LINE TRACK  
By Cause And Speed, 1994**

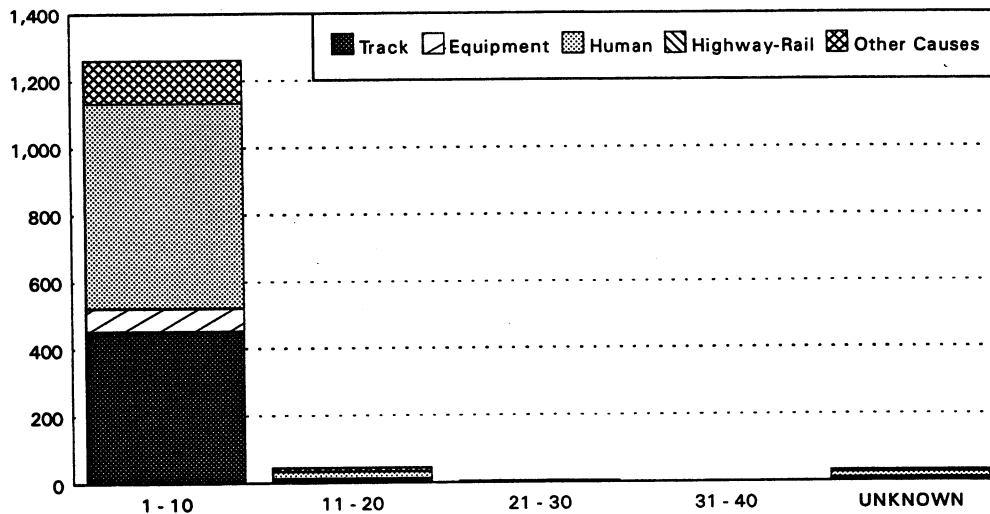


**FIGURE 22 - ACCIDENTS ON MAIN LINE TRACK  
By Type Accident And Speed, 1994**



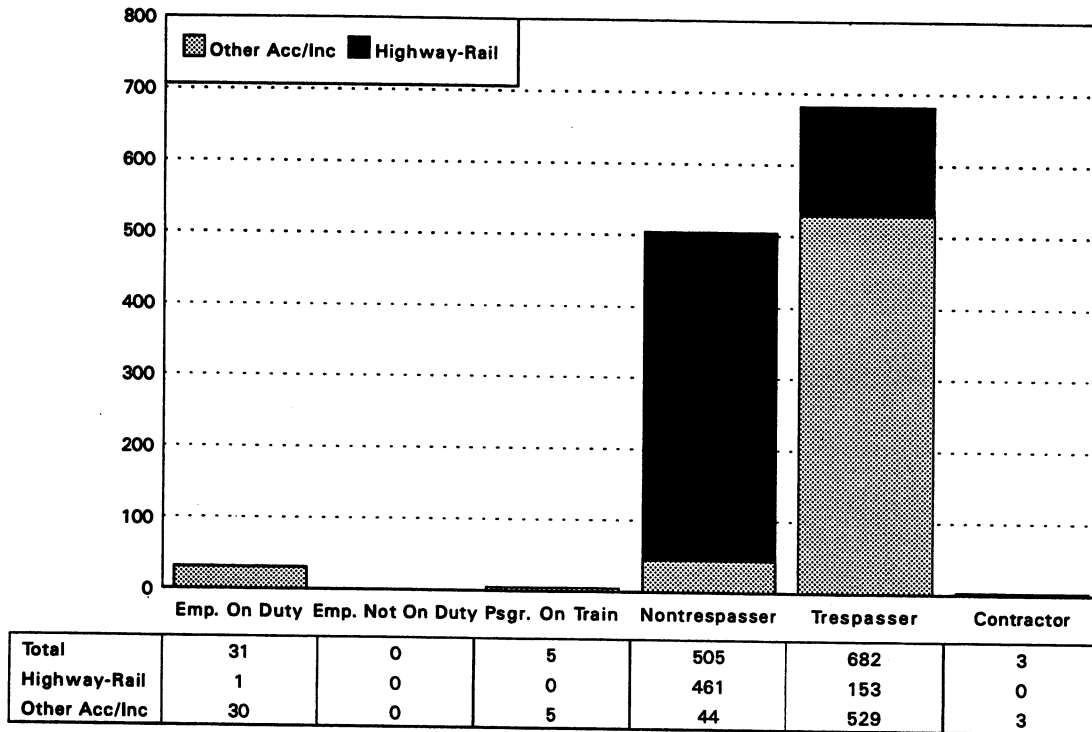
|                 |     |     |     |    |    |    |   |
|-----------------|-----|-----|-----|----|----|----|---|
| Other Accidents | 34  | 9   | 17  | 17 | 16 | 35 | 7 |
| Highway-Rail    | 5   | 11  | 21  | 35 | 44 | 45 | 1 |
| Derailments     | 284 | 134 | 122 | 67 | 71 | 29 | 5 |
| Collisions      | 20  | 22  | 11  | 5  | 3  | 4  | 2 |

**FIGURE 23 - ACCIDENTS ON YARD TRACK  
By Cause, 1994**



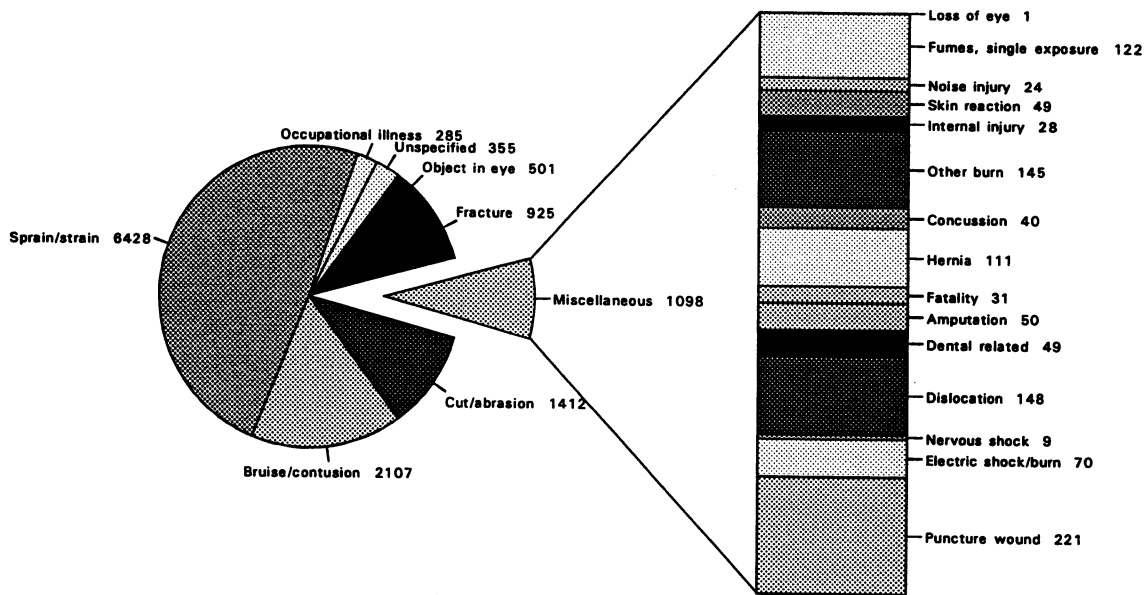
|              |       |    |   |   |    |
|--------------|-------|----|---|---|----|
| Total        | 1,261 | 44 | 4 | 1 | 31 |
| Other Causes | 128   | 10 | 0 | 0 | 5  |
| Highway-Rail | 0     | 2  | 0 | 0 | 0  |
| Human        | 612   | 19 | 3 | 0 | 16 |
| Equipment    | 69    | 5  | 1 | 0 | 4  |
| Track        | 452   | 8  | 0 | 1 | 6  |

**FIGURE 24 - FATALITIES BY TYPE PERSON, 1994**



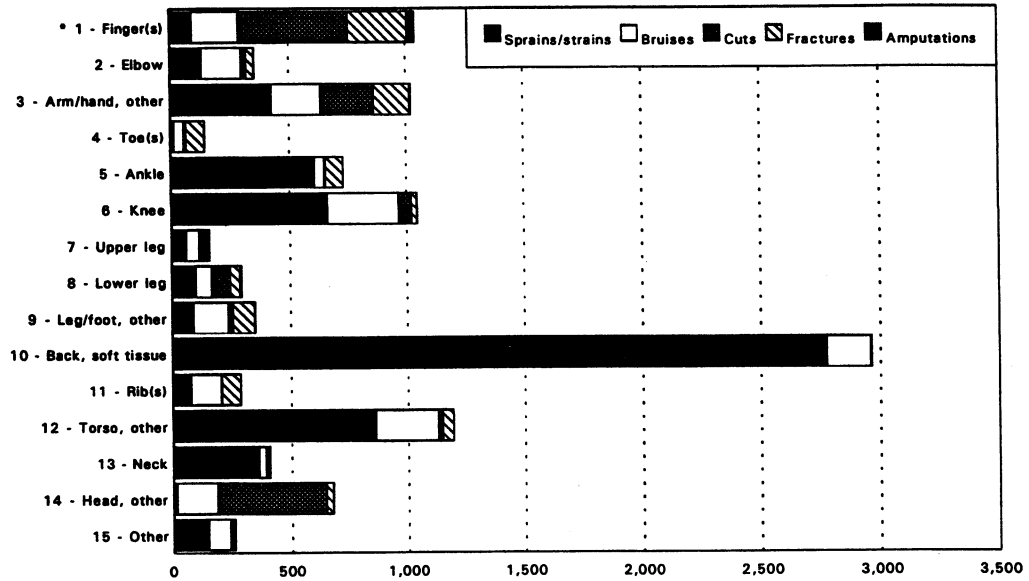
Psgr. - Passenger on train; Emp. - Employee

**FIGURE 25 - EMPLOYEE ON DUTY CASES, 1994  
All Accidents/Incidents**



A case is a fatality, injury, or occupational illness

**FIGURE 26 - SELECTED EMPLOYEE ON DUTY INJURIES, 1994**



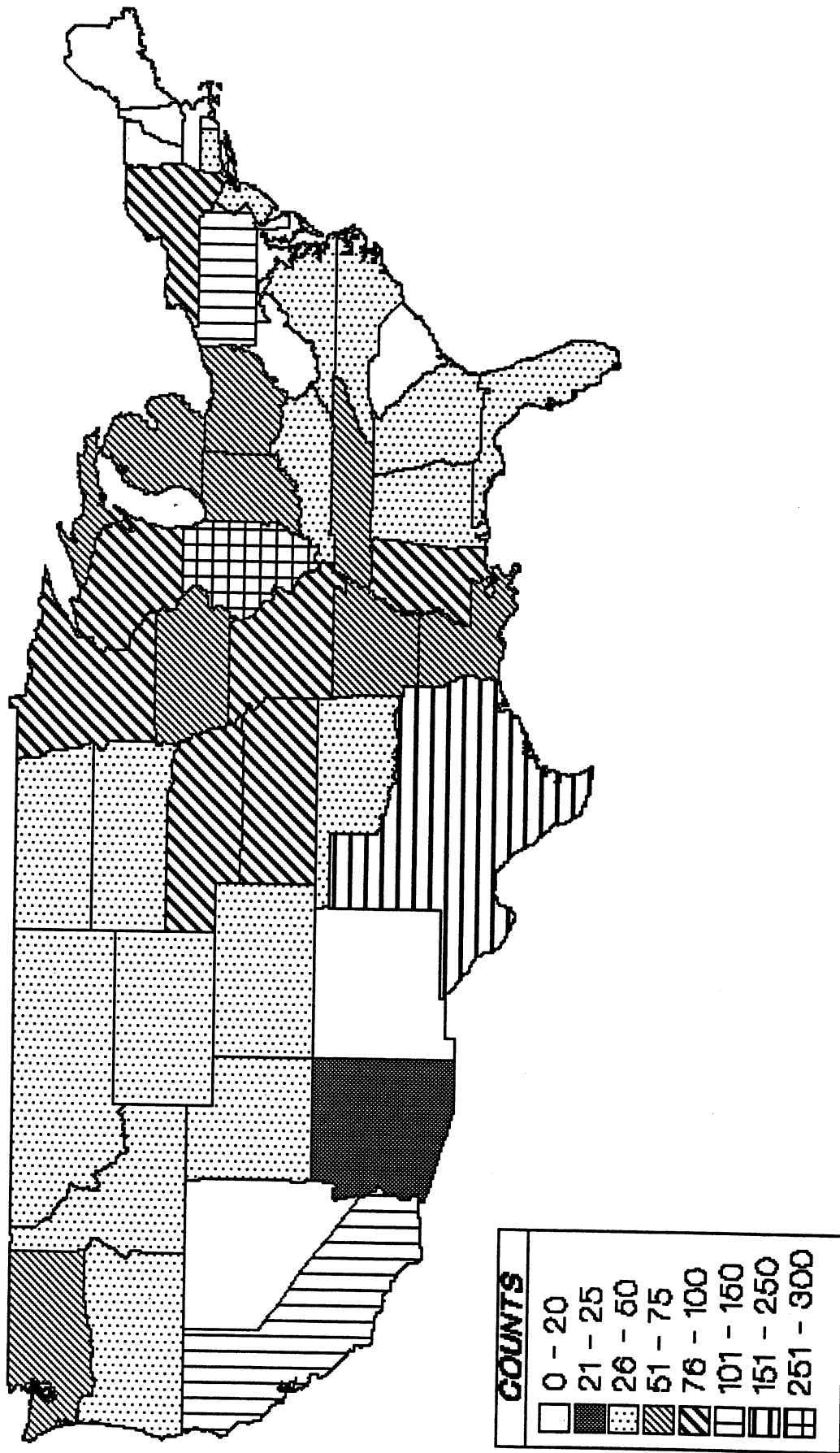
| * Code          | 1   | 2   | 3   | 4  | 5   | 6   | 7  | 8   | 9   | 10    | 11  | 12  | 13  | 14  | 15  |
|-----------------|-----|-----|-----|----|-----|-----|----|-----|-----|-------|-----|-----|-----|-----|-----|
| Amputations     | 31  | 0   | 4   | 2  | 0   | 0   | 5  | 7   | 1   | 0     | 0   | 0   | 0   | 0   | 0   |
| Fractures       | 258 | 32  | 157 | 79 | 75  | 22  | 5  | 41  | 92  | 0     | 81  | 46  | 3   | 29  | 5   |
| Cuts            | 460 | 21  | 225 | 8  | 5   | 56  | 33 | 79  | 19  | 4     | 1   | 18  | 12  | 457 | 14  |
| Bruises         | 197 | 168 | 208 | 42 | 40  | 307 | 56 | 68  | 147 | 180   | 130 | 268 | 29  | 174 | 93  |
| Sprains/strains | 94  | 134 | 427 | 14 | 606 | 659 | 61 | 101 | 91  | 2,778 | 76  | 860 | 364 | 14  | 149 |

The listed injuries represent 85.4% of all reported injuries to employees on duty.

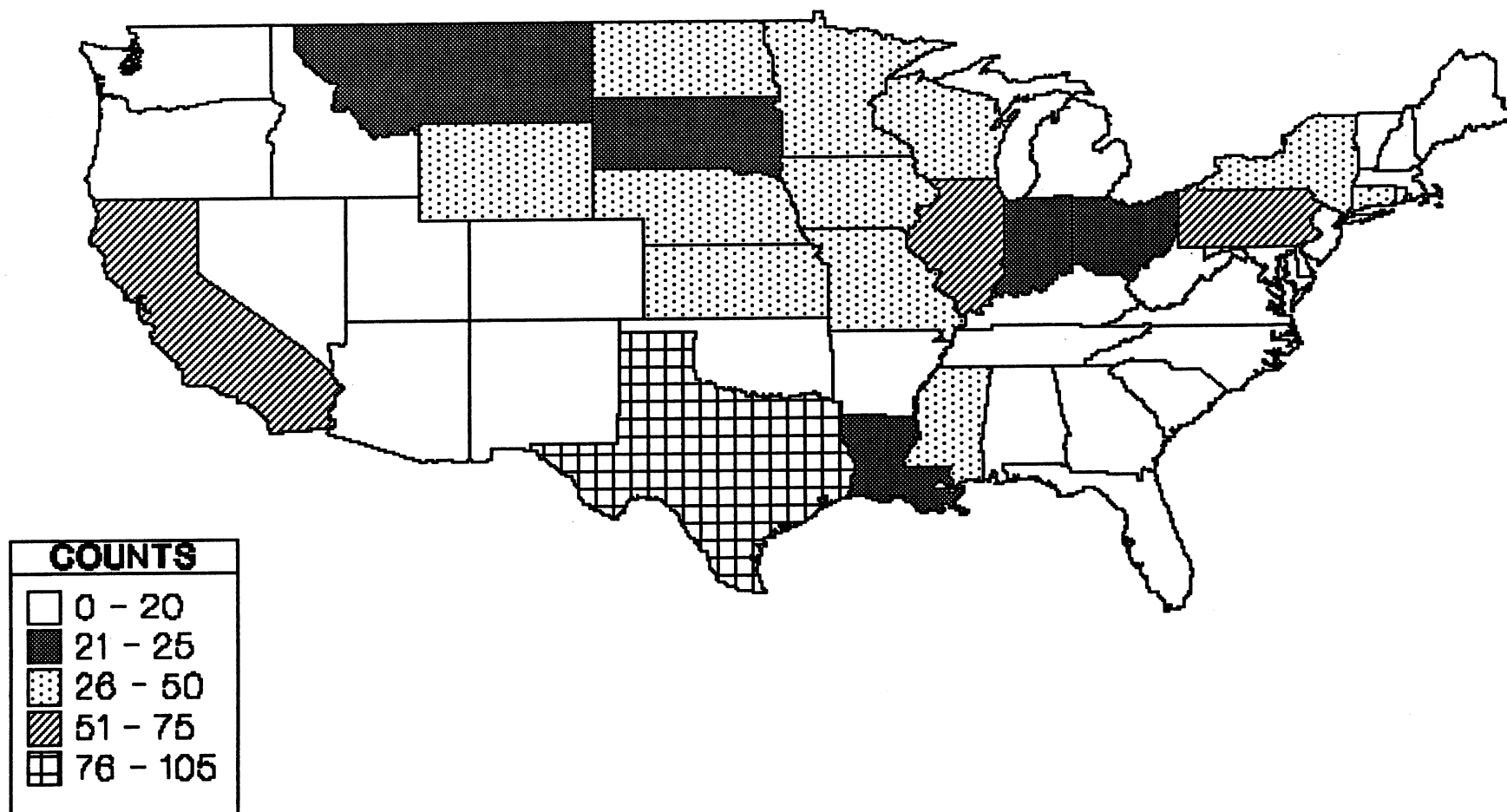


**OVERVIEW  
OF  
CURRENT  
YEAR  
( M A P S )**

**FIGURE 27 - TRAIN ACCIDENTS, 1994**



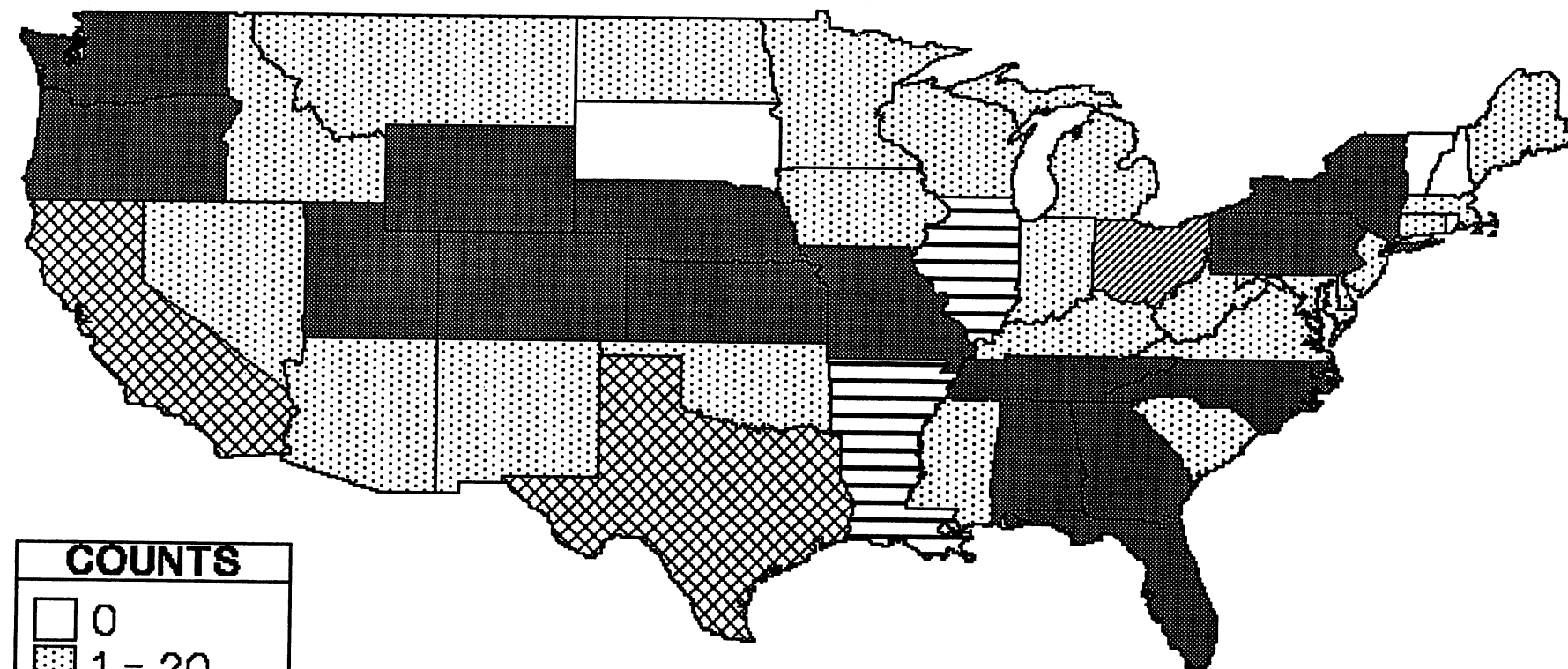
**FIGURE 28 - TRAIN ACCIDENTS ON MAIN LINE TRACK, 1994**





# FIGURE 29 - HAZARDOUS MATERIAL RELEASES, 1994

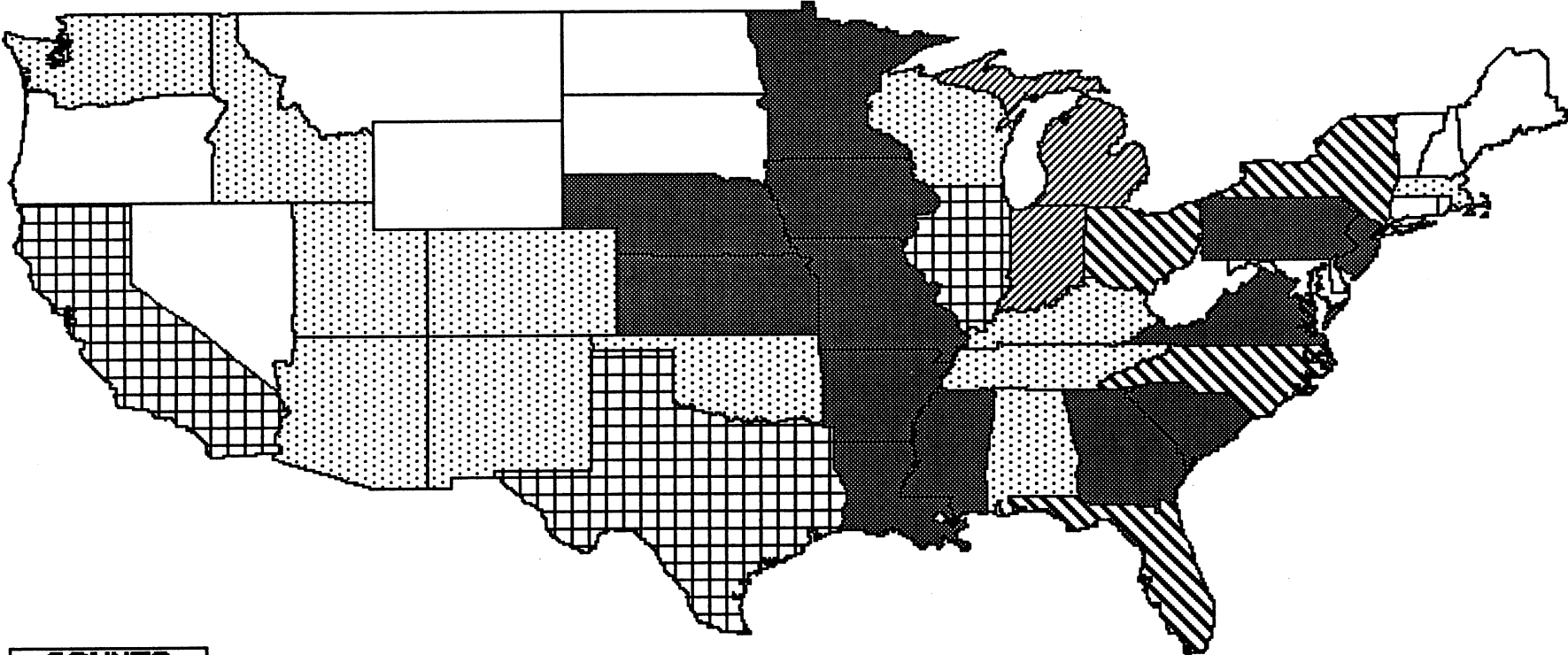
30



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

SOURCE: INFORMATION PROVIDED BY  
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION

**FIGURE 30 - TRESPASSERS AND NON TRESPASSERS FATALITIES CAUSED BY MOVING ON-TRACK EQUIPMENT, 1994**



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



**OVERVIEW  
OF  
CURRENT  
YEAR  
( D A T A )**

TABLE 10. SUMMARY OF ACCIDENTS BY TYPE OF TRACK AND SPEED RANGE, 1994

| CONSIST SPEED  | TOTAL ACCIDENTS | TOTAL DAMAGE       | EQUIPMENT DAMAGE   | TRACK DAMAGE      | COLLISIONS | DERAILMENTS  | OTHER ACCIDENTS | TRACK CAUSED | EQUIPMENT FAILURE | HUMAN FACTORS | OTHER CAUSES |
|--|-----------------|--------------------|--------------------|-------------------|------------|--------------|-----------------|--------------|-------------------|---------------|--------------|
| <b>ACCIDENTS ON MAIN LINE TRACK</b>                        |                 |                    |                    |                   |            |              |                 |              |                   |               |              |
| UNKNOWN  | 15              | 1,460,701          | 1,336,573          | 124,128           | 2          | 5            | 8               | 1            | 4                 | 3             | 7            |
| 1-10   | 343             | 13,875,377         | 9,288,254          | 4,587,123         | 20         | 284          | 39              | 167          | 35                | 97            | 44           |
| 11-20  | 176             | 14,146,318         | 9,723,343          | 4,422,975         | 22         | 134          | 20              | 50           | 34                | 58            | 34           |
| 21-30  | 171             | 23,602,875         | 14,535,398         | 9,067,477         | 11         | 122          | 38              | 60           | 37                | 18            | 56           |
| 31-40  | 124             | 29,675,270         | 24,180,542         | 5,494,728         | 5          | 67           | 52              | 30           | 35                | 8             | 51           |
| 41-50  | 134             | 32,844,919         | 25,639,077         | 7,205,842         | 3          | 71           | 60              | 24           | 34                | 8             | 68           |
| 51-60  | 59              | 10,938,920         | 8,461,198          | 2,477,722         | 0          | 26           | 33              | 11           | 17                | 2             | 29           |
| 61-70  | 24              | 3,842,074          | 2,918,545          | 923,529           | 0          | 2            | 22              | 3            | 2                 | 1             | 18           |
| 71-80  | 22              | 6,487,640          | 6,271,745          | 215,895           | 2          | 1            | 19              | 0            | 1                 | 1             | 20           |
| 81-90  | 2               | 38,500             | 38,000             | 500               | 0          | 0            | 2               | 1            | 0                 | 0             | 1            |
| >=91   | 6               | 374,920            | 344,837            | 30,083            | 2          | 0            | 4               | 1            | 2                 | 0             | 3            |
| <b>TOTAL</b>   | <b>1,076</b>    | <b>137,287,514</b> | <b>102,737,512</b> | <b>34,550,002</b> | <b>67</b>  | <b>712</b>   | <b>297</b>      | <b>348</b>   | <b>201</b>        | <b>196</b>    | <b>331</b>   |
| <b>ACCIDENTS ON YARD TRACK</b>                             |                 |                    |                    |                   |            |              |                 |              |                   |               |              |
| UNKNOWN  | 31              | 1,226,551          | 998,607            | 227,944           | 4          | 19           | 8               | 6            | 4                 | 16            | 5            |
| 1-10   | 1,261           | 29,585,543         | 22,090,014         | 7,495,529         | 146        | 856          | 259             | 452          | 69                | 612           | 128          |
| 11-20  | 44              | 1,972,291          | 1,427,021          | 545,270           | 9          | 24           | 11              | 8            | 5                 | 19            | 12           |
| 21-30  | 4               | 2,773,728          | 2,363,628          | 410,100           | 1          | 2            | 1               | 0            | 1                 | 3             | 0            |
| 31-40  | 1               | 231,000            | 231,000            | 0                 | 0          | 1            | 0               | 1            | 0                 | 0             | 0            |
| <b>TOTAL</b>   | <b>1,341</b>    | <b>35,789,113</b>  | <b>27,110,270</b>  | <b>8,678,843</b>  | <b>160</b> | <b>902</b>   | <b>279</b>      | <b>467</b>   | <b>79</b>         | <b>650</b>    | <b>145</b>   |
| <b>ACCIDENTS ON INDUSTRY, SIDING OR UNKNOWN TRACK TYPE</b> |                 |                    |                    |                   |            |              |                 |              |                   |               |              |
| UNKNOWN  | 8               | 121,728            | 90,578             | 31,150            | 3          | 4            | 1               | 0            | 0                 | 2             | 6            |
| 1-10   | 220             | 4,662,359          | 3,625,466          | 1,036,893         | 9          | 188          | 23              | 124          | 10                | 56            | 30           |
| 11-20  | 19              | 2,184,536          | 982,513            | 1,202,023         | 0          | 16           | 3               | 7            | 2                 | 6             | 4            |
| 21-30  | 5               | 505,268            | 295,673            | 209,595           | 1          | 3            | 1               | 1            | 1                 | 1             | 2            |
| <b>TOTAL</b>   | <b>252</b>      | <b>7,473,891</b>   | <b>4,994,230</b>   | <b>2,479,661</b>  | <b>13</b>  | <b>211</b>   | <b>28</b>       | <b>132</b>   | <b>13</b>         | <b>65</b>     | <b>42</b>    |
| <b>FINAL</b>   | <b>2,669</b>    | <b>180,550,518</b> | <b>134,842,012</b> | <b>45,708,506</b> | <b>240</b> | <b>1,825</b> | <b>604</b>      | <b>947</b>   | <b>293</b>        | <b>911</b>    | <b>518</b>   |

TABLE 11. SUMMARY OF ACCIDENTS BY CLASS OF TRACK, 1994

| TRACK CLASS  | TOTAL ACCIDENTS | TOTAL DAMAGE       | EQUIPMENT DAMAGE   | TRACK DAMAGE      | COLLISIONS | DERAILMENTS  | OTHER ACCIDENTS | TRACK CAUSED | EQUIPMENT FAILURE | HUMAN FACTORS | OTHER CAUSES |
|--------------|-----------------|--------------------|--------------------|-------------------|------------|--------------|-----------------|--------------|-------------------|---------------|--------------|
| ?            | 105             | 2,564,432          | 1,831,454          | 732,978           | 7          | 91           | 7               | 59           | 9                 | 28            | 9            |
| 1            | 1,448           | 41,051,903         | 28,911,350         | 12,140,553        | 142        | 1,030        | 276             | 546          | 85                | 649           | 168          |
| 2            | 396             | 23,352,983         | 15,803,223         | 7,549,760         | 40         | 317          | 39              | 188          | 42                | 94            | 72           |
| 3            | 277             | 33,420,495         | 23,996,180         | 9,424,315         | 20         | 167          | 90              | 77           | 56                | 54            | 90           |
| 4            | 372             | 63,441,932         | 50,219,726         | 13,222,206        | 22         | 196          | 154             | 71           | 85                | 67            | 149          |
| 5            | 63              | 16,455,898         | 13,862,841         | 2,593,057         | 7          | 24           | 32              | 4            | 11                | 19            | 29           |
| 6            | 8               | 262,875            | 217,238            | 45,637            | 2          | 0            | 6               | 2            | 5                 | 0             | 1            |
| <b>TOTAL</b> | <b>2,669</b>    | <b>180,550,518</b> | <b>134,842,012</b> | <b>45,708,506</b> | <b>240</b> | <b>1,825</b> | <b>604</b>      | <b>947</b>   | <b>293</b>        | <b>911</b>    | <b>518</b>   |

TABLE 12. SUMMARY OF REPORTABLE DAMAGE, 1994

| Type of Accident     | ...Track Caused... |            | .Equipment Caused. |            | ...Human Factors.. |            | ...Other Causes... |            | .....Total Damage..... |             |
|----------------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|------------------------|-------------|
|                      | Trk Dmg            | Eqp Dmg    | Trk Dmg            | Eqp Dmg    | Trk Dmg            | Eqp Dmg    | Trk Dmg            | Eqp Dmg    | Trk Dmg                | Eqp Dmg     |
| Derailment           | 16,472,957         | 37,519,951 | 11,947,970         | 14,468,765 | 6,121,246          | 13,085,996 | 5,741,621          | 19,843,269 | 40,283,794             | 84,917,981  |
| Head on collision    | ---                | 57,800     | 900                | 7,912      | 115,063            | 9,004,053  | 3,887              | 110,300    | 119,850                | 9,180,065   |
| Rear end collision   | ---                | ---        | 32,750             | 3,984,859  | 116,021            | 3,177,766  | 85,000             | 2,445,000  | 233,771                | 9,607,625   |
| Side collision       | 31,000             | 228,013    | 47,775             | 103,220    | 629,091            | 5,359,393  | 24,700             | 269,470    | 732,566                | 5,960,096   |
| Raking collision     | ---                | ---        | 22,997             | 103,426    | 31,717             | 671,500    | 126,300            | 3,724,575  | 181,014                | 4,499,501   |
| Broken trn collision | ---                | ---        | 5,000              | 73,400     | 500                | 70,000     | ---                | ---        | 5,500                  | 143,400     |
| Hwy-rail crossing    | ---                | ---        | ---                | ---        | ---                | ---        | 1,809,761          | 9,991,809  | 1,809,761              | 9,991,809   |
| RR grade crossing    | ---                | ---        | ---                | ---        | ---                | ---        | ---                | ---        | ---                    | ---         |
| Obstruction          | 158,524            | 72,501     | 48,700             | 31,850     | 250,982            | 559,239    | 323,016            | 2,116,903  | 781,222                | 2,780,493   |
| Explosion-detonation | ---                | ---        | ---                | ---        | ---                | ---        | ---                | ---        | ---                    | ---         |
| Fire/violent rupture | ---                | ---        | 50,000             | 414,589    | ---                | ---        | 1,500              | 873,800    | 51,500                 | 1,288,389   |
| Other                | 486,031            | 1,182,855  | 104,833            | 297,897    | 711,073            | 4,391,106  | 207,591            | 600,795    | 1,509,528              | 6,472,653   |
| TOTAL.....           | 17,148,512         | 39,061,120 | 12,260,925         | 19,485,918 | 7,975,693          | 36,319,053 | 8,323,376          | 39,975,921 | 45,708,506             | 134,842,012 |

TABLE 13. CASUALTIES BY TYPE OF PERSON, 1994

|  | Employees<br>On Duty | Employees<br>Not On Duty | Passengers<br>On Trains | Non-<br>trespassers | Trespassers | Contractor<br>Employees | Total  |
|--|----------------------|--------------------------|-------------------------|---------------------|-------------|-------------------------|--------|
| <b>TRAIN ACCIDENTS</b>                           |                      |                          |                         |                     |             |                         |        |
| Fatalities.....                                  | 8                    | ---                      | 2                       | 2                   | ---         | ---                     | 12     |
| Injuries.....                                    | 143                  | 26                       | 70                      | 18                  | ---         | 4                       | 261    |
| Occupational illnesses...                        | 1                    | ---                      | ---                     | ---                 | ---         | ---                     | 1      |
| Total casualties.....                            | 152                  | 26                       | 72                      | 20                  | ---         | 4                       | 274    |
| <b>TRAIN INCIDENTS</b>                           |                      |                          |                         |                     |             |                         |        |
| Fatalities.....                                  | 17                   | ---                      | 3                       | 36                  | 514         | 1                       | 571    |
| Injuries.....                                    | 1,533                | 12                       | 105                     | 54                  | 403         | 10                      | 2,117  |
| Occupational illnesses...                        | 26                   | ---                      | ---                     | ---                 | ---         | ---                     | 26     |
| Total casualties.....                            | 1,576                | 12                       | 108                     | 90                  | 917         | 11                      | 2,714  |
| <b>NONTRAIN INCIDENTS</b>                        |                      |                          |                         |                     |             |                         |        |
| Fatalities.....                                  | 5                    | ---                      | ---                     | 6                   | 15          | 2                       | 28     |
| Injuries.....                                    | 11,000               | 266                      | 238                     | 403                 | 49          | 237                     | 12,193 |
| Occupational illnesses...                        | 251                  | 1                        | ---                     | ---                 | ---         | ---                     | 252    |
| Total casualties.....                            | 11,256               | 267                      | 238                     | 409                 | 64          | 239                     | 12,473 |
| <b>HIGHWAY-RAIL CROSSING ACCIDENTS/INCIDENTS</b> |                      |                          |                         |                     |             |                         |        |
| Fatalities.....                                  | 1                    | ---                      | ---                     | 461                 | 153         | ---                     | 615    |
| Injuries.....                                    | 119                  | 1                        | 84                      | 1,438               | 312         | 1                       | 1,955  |
| Occupational illnesses...                        | 7                    | ---                      | ---                     | ---                 | ---         | ---                     | 7      |
| Total casualties.....                            | 127                  | 1                        | 84                      | 1,899               | 465         | 1                       | 2,577  |
| <b>GRAND TOTAL</b>                               |                      |                          |                         |                     |             |                         |        |
| Fatalities.....                                  | 31                   | ---                      | 5                       | 505                 | 682         | 3                       | 1,226  |
| Injuries.....                                    | 12,795               | 305                      | 497                     | 1,913               | 764         | 252                     | 16,526 |
| Occupational illnesses...                        | 285                  | 1                        | ---                     | ---                 | ---         | ---                     | 286    |
| Total casualties.....                            | 13,111               | 306                      | 502                     | 2,418               | 1,446       | 255                     | 18,038 |

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

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

TABLE 14: FATALITIES IN ACCIDENTS/INCIDENTS, BY TYPE PERSON AND OCCURRENCE, 1994

| Type of Accident/Incident                     | Total Killed | ..Employees On Duty.. |       | Emp Not       | Passen- | Montres- | Tres-   | Contract |
|---|--------------|-----------------------|-------|---------------|---------|----------|---------|----------|
|   |              | Trainmen              | Other | Total On Duty | gers    | passers  | passers | Workers  |
| <b>TRAIN ACCIDENTS</b>                        |              |                       |       |               |         |          |         |          |
| Collisions.....                               | 8            | 8                     | 0     | 8             | 0       | 0        | 0       | 0        |
| Derailements.....                             | 2            | 0                     | 0     | 0             | 0       | 2        | 0       | 0        |
| Highway-rail Crossing.....                    | 33           | 1                     | 0     | 1             | 0       | 0        | 17      | 15       |
| Miscellaneous.....                            | 2            | 0                     | 0     | 0             | 0       | 2        | 0       | 0        |
| Total.....                                    | 45           | 9                     | 0     | 9             | 0       | 2        | 19      | 15       |
| <b>TRAIN INCIDENTS</b>                        |              |                       |       |               |         |          |         |          |
| Coupling and uncoupling locomotives or cars.  | 4            | 4                     | 0     | 4             | 0       | 0        | 0       | 0        |
| Coupling/uncoupling air/steam hose, chains..  | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Operating or on locomtives.....               | 1            | 1                     | 0     | 1             | 0       | 0        | 0       | 0        |
| Operating rail motorcars.....                 | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Operating hand brakes.....                    | 1            | 1                     | 0     | 1             | 0       | 0        | 0       | 0        |
| Operating switches or derails.....            | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Contacting fixed objects while on locs/cars.  | 1            | 1                     | 0     | 1             | 0       | 0        | 0       | 0        |
| Getting on or off cars or locomotives.....    | 10           | 0                     | 0     | 0             | 0       | 3        | 0       | 7        |
| Collisions, derailments, etc. (<=\$6,300.00). | 13           | 3                     | 1     | 4             | 0       | 0        | 0       | 9        |
| Highway-rail crossing accidents/incidents...  | 578          | 0                     | 0     | 0             | 0       | 0        | 440     | 138      |
| Struck by/ran into loc/car(not hwy-rr x-ing)  | 520          | 1                     | 2     | 3             | 0       | 0        | 35      | 481      |
| Servicing or maintenance of equipment.....    | 1            | 0                     | 1     | 1             | 0       | 0        | 0       | 0        |
| Maintenance of way and structures.....        | 1            | 0                     | 1     | 1             | 0       | 0        | 0       | 0        |
| Freight, baggage, express or mail.....        | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Windows, doors, etc., on on-track equipment.  | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Passenger car doors.....                      | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Stumbling, slipping, falling, caught, N.O.C.  | 2            | 1                     | 0     | 1             | 0       | 0        | 0       | 1        |
| Flying or falling objects, burns,etc.,N.O.C.  | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Operation of on-track work equipment.....     | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Assault.....                                  | 1            | 0                     | 0     | 0             | 0       | 0        | 0       | 1        |
| Other occurrences.....                        | 16           | 0                     | 0     | 0             | 0       | 0        | 1       | 15       |
| Total.....                                    | 1,149        | 12                    | 5     | 17            | 0       | 3        | 476     | 652      |
| <b>NONTRAIN INCIDENTS</b>                     |              |                       |       |               |         |          |         |          |
| Coupling and uncoupling locomotives or cars.  | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Coupling/uncoupling air/steam hose, chains..  | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Operating or on locomtives.....               | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Operating rail motorcars.....                 | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Operating hand brakes.....                    | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Operating switches or derails.....            | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Contacting fixed objects while on locs/cars.  | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Getting on or off cars or locomotives.....    | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Highway-rail crossing accidents/incidents...  | 4            | 0                     | 0     | 0             | 0       | 0        | 4       | 0        |
| Struck by/ran into loc/car(not hwy-rr x-ing)  | 6            | 0                     | 0     | 0             | 0       | 0        | 1       | 5        |
| Servicing or maintenance of equipment.....    | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Maintenance of way and structures.....        | 1            | 0                     | 1     | 1             | 0       | 0        | 0       | 0        |
| Freight, baggage, express or mail.....        | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Windows, doors, etc., on on-track equipment.  | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Passenger car doors.....                      | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Stumbling, slipping, falling, caught, N.O.C.  | 2            | 0                     | 0     | 0             | 0       | 0        | 0       | 2        |
| Flying or falling objects, burns,etc.,N.O.C.  | 2            | 0                     | 0     | 0             | 0       | 0        | 0       | 1        |
| Operation of on-track work equipment.....     | 0            | 0                     | 0     | 0             | 0       | 0        | 0       | 0        |
| Assault.....                                  | 1            | 0                     | 0     | 0             | 0       | 0        | 0       | 1        |
| Other occurrences.....                        | 16           | 0                     | 4     | 4             | 0       | 0        | 5       | 6        |
| Total.....                                    | 32           | 0                     | 5     | 5             | 0       | 0        | 10      | 15       |
| Grand Total.....                              | 1,226        | 21                    | 10    | 31            | 0       | 5        | 505     | 682      |

TABLE 15: INJURIES IN ACCIDENTS/INCIDENTS, BY TYPE PERSON AND OCCURRENCE, 1994

| Type of Accident/Incident                     | Total Injured | ..Employees On Duty.. | Emp Not On Duty | Passen- gers  | Montres- passers | Tres- passers | Contract Workers |            |
|---|---------------|-----------------------|-----------------|---------------|------------------|---------------|------------------|------------|
| <b>TRAIN ACCIDENTS</b>                        |               |                       |                 |               |                  |               |                  |            |
| Collisions.....                               | 118           | 76                    | 7               | 83            | 14               | 18            | 0                | 3          |
| Derailments.....                              | 120           | 39                    | 7               | 46            | 12               | 48            | 14               | 0          |
| Highway-rail Crossing.....                    | 198           | 47                    | 5               | 52            | 0                | 82            | 44               | 20         |
| Miscellaneous.....                            | 24            | 9                     | 6               | 15            | 0                | 4             | 4                | 0          |
| Total.....                                    | 460           | 171                   | 25              | 196           | 26               | 152           | 62               | 20         |
| <b>TRAIN INCIDENTS</b>                        |               |                       |                 |               |                  |               |                  |            |
| Coupling and uncoupling locomotives or cars.  | 134           | 128                   | 6               | 134           | 0                | 0             | 0                | 0          |
| Coupling/uncoupling air/steam hose, chains..  | 14            | 13                    | 1               | 14            | 0                | 0             | 0                | 0          |
| Operating or on locomotives.....              | 392           | 370                   | 19              | 389           | 2                | 0             | 0                | 1          |
| Operating rail motorcars.....                 | 16            | 6                     | 10              | 16            | 0                | 0             | 0                | 0          |
| Operating hand brakes.....                    | 40            | 39                    | 1               | 40            | 0                | 0             | 0                | 0          |
| Operating switches or derails.....            | 7             | 7                     | 0               | 7             | 0                | 0             | 0                | 0          |
| Contacting fixed objects while on locs/cars.  | 49            | 41                    | 4               | 45            | 0                | 4             | 0                | 0          |
| Getting on or off cars or locomotives.....    | 328           | 243                   | 12              | 255           | 0                | 35            | 7                | 31         |
| Collisions, derailments, etc. (<=\$6,300.00). | 84            | 48                    | 18              | 66            | 1                | 1             | 0                | 15         |
| Highway-rail crossing accidents/incidents...  | 1,714         | 67                    | 6               | 73            | 1                | 2             | 1,350            | 287        |
| Struck by/ran into loc/car(not hwy-rr x-ing)  | 382           | 26                    | 12              | 38            | 0                | 0             | 33               | 307        |
| Servicing or maintenance of equipment.....    | 41            | 4                     | 36              | 40            | 1                | 0             | 0                | 0          |
| Maintenance of way and structures.....        | 74            | 1                     | 72              | 73            | 1                | 0             | 0                | 0          |
| Freight, baggage, express or mail.....        | 11            | 2                     | 8               | 10            | 0                | 0             | 0                | 1          |
| Windows, doors, etc., on on-track equipment.  | 71            | 44                    | 17              | 61            | 1                | 7             | 2                | 0          |
| Passenger car doors.....                      | 6             | 0                     | 2               | 2             | 0                | 4             | 0                | 0          |
| Stumbling, slipping, falling, caught, N.O.C.  | 129           | 53                    | 25              | 78            | 0                | 35            | 3                | 12         |
| Flying or falling objects, burns,etc.,N.O.C.  | 90            | 59                    | 18              | 77            | 1                | 11            | 0                | 0          |
| Operation of on-track work equipment.....     | 24            | 3                     | 20              | 23            | 0                | 0             | 0                | 1          |
| Assault.....                                  | 50            | 41                    | 5               | 46            | 0                | 2             | 0                | 2          |
| Other occurrences.....                        | 201           | 86                    | 59              | 145           | 5                | 6             | 9                | 34         |
| Total.....                                    | 3,857         | 1,281                 | 351             | 1,632         | 13               | 107           | 1,404            | 690        |
| <b>NONTRAIN INCIDENTS</b>                     |               |                       |                 |               |                  |               |                  |            |
| Coupling and uncoupling locomotives or cars.  | 332           | 313                   | 17              | 330           | 0                | 0             | 0                | 2          |
| Coupling/uncoupling air/steam hose, chains..  | 201           | 175                   | 26              | 201           | 0                | 0             | 0                | 0          |
| Operating or on locomotives.....              | 361           | 323                   | 35              | 358           | 2                | 0             | 0                | 1          |
| Operating rail motorcars.....                 | 35            | 16                    | 19              | 35            | 0                | 0             | 0                | 0          |
| Operating hand brakes.....                    | 230           | 217                   | 13              | 230           | 0                | 0             | 0                | 0          |
| Operating switches or derails.....            | 642           | 577                   | 64              | 641           | 1                | 0             | 0                | 0          |
| Contacting fixed objects while on locs/cars.  | 15            | 7                     | 7               | 14            | 0                | 1             | 0                | 0          |
| Getting on or off cars or locomotives.....    | 778           | 514                   | 134             | 648           | 6                | 113           | 5                | 1          |
| Highway-rail crossing accidents/incidents...  | 50            | 1                     | 0               | 1             | 0                | 0             | 44               | 5          |
| Struck by/ran into loc/car(not hwy-rr x-ing)  | 18            | 3                     | 2               | 5             | 0                | 0             | 2                | 7          |
| Servicing or maintenance of equipment.....    | 2,409         | 51                    | 2,321           | 2,372         | 19               | 0             | 1                | 0          |
| Maintenance of way and structures.....        | 3,037         | 18                    | 2,963           | 2,981         | 16               | 0             | 0                | 1          |
| Freight, baggage, express or mail.....        | 113           | 20                    | 92              | 112           | 0                | 1             | 0                | 0          |
| Windows, doors, etc., on on-track equipment.  | 268           | 134                   | 106             | 240           | 2                | 18            | 0                | 1          |
| Passenger car doors.....                      | 14            | 3                     | 1               | 4             | 0                | 10            | 0                | 0          |
| Stumbling, slipping, falling, caught, N.O.C.  | 1,948         | 657                   | 699             | 1,356         | 136              | 73            | 312              | 12         |
| Flying or falling objects, burns,etc.,N.O.C.  | 265           | 104                   | 114             | 218           | 6                | 2             | 16               | 5          |
| Operation of on-track work equipment.....     | 62            | 2                     | 59              | 61            | 0                | 0             | 0                | 0          |
| Assault.....                                  | 144           | 34                    | 87              | 121           | 11               | 3             | 9                | 0          |
| Other occurrences.....                        | 1,573         | 384                   | 940             | 1,324         | 68               | 17            | 58               | 22         |
| Total.....                                    | 12,495        | 3,553                 | 7,699           | 11,252        | 267              | 238           | 447              | 54         |
| <b>Grand Total.....</b>                       | <b>16,812</b> | <b>5,005</b>          | <b>8,075</b>    | <b>13,080</b> | <b>306</b>       | <b>497</b>    | <b>1,913</b>     | <b>764</b> |



TABLE 16. TOTAL ACCIDENTS/INCIDENTS, 1994

| Type Of Accident/Incident                          | .....Accidents/Incidents..... |       |          |
|--|-------------------------------|-------|----------|
|  | Total                         | Fatal | Nonfatal |
| <b>TRAIN ACCIDENTS *</b>                           |                               |       |          |
| Collisions.....                                    | 240                           | 4     | 39       |
| Derailements.....                                  | 1,825                         | 1     | 34       |
| Highway-rail crossing.....                         | 165                           | 27    | 72       |
| Miscellaneous.....                                 | 439                           | 2     | 13       |
| Total.....   | 2,669                         | 34    | 158      |
| <b>TRAIN INCIDENTS</b>                             |                               |       |          |
| Coupling and uncoupling locomotives or cars.....   | 138                           | 4     | 134      |
| Coupling/uncoupling air/steam hose, safety chains. | 14                            | ---   | 14       |
| Operating or on locomotives.....                   | 379                           | 1     | 378      |
| Operating rail motorcars.....                      | 16                            | ---   | 16       |
| Operating hand brakes.....                         | 41                            | 1     | 40       |
| Operating switches or derails.....                 | 7                             | ---   | 7        |
| Contacting fixed objects while on locos or cars..  | 50                            | 1     | 49       |
| Getting on or off cars or locomotives.....         | 335                           | 10    | 325      |
| Collisions, derailments, etc. (below \$ threshold) | 86                            | 13    | 73       |
| Highway-rail crossing accidents/incidents.....     | 1,753                         | 481   | 1,272    |
| Struck by/ran into loco/car(not at hwy-rr x-ing).  | 865                           | 507   | 358      |
| Servicing or maintenance of equipment.....         | 40                            | 1     | 39       |
| Maintenance of way and structures.....             | 72                            | 1     | 71       |
| Freight, baggage, express or mail.....             | 11                            | ---   | 11       |
| Windows, doors, etc., on on-track equipment.....   | 71                            | ---   | 71       |
| Passenger car doors.....                           | 6                             | ---   | 6        |
| Stumbling, slipping, falling, caught, N.O.C.....   | 130                           | 2     | 128      |
| Flying or falling objects, burns, etc., N.O.C....  | 87                            | ---   | 87       |
| Operation of on-track work equipment.....          | 22                            | ---   | 22       |
| Assault.....                                       | 49                            | 1     | 48       |
| Other occurrences.....                             | 202                           | 16    | 186      |
| Total.....   | 4,374                         | 1,039 | 3,335    |
| <b>NONTRAIN INCIDENTS</b>                          |                               |       |          |
| Coupling and uncoupling locomotives or cars.....   | 331                           | ---   | 331      |
| Coupling/uncoupling air/steam hose, safety chains. | 201                           | ---   | 201      |
| Operating or on locomotives.....                   | 352                           | ---   | 352      |
| Operating rail motorcars.....                      | 35                            | ---   | 35       |
| Operating hand brakes.....                         | 230                           | ---   | 230      |
| Operating switches or derails.....                 | 642                           | ---   | 642      |
| Contacting fixed objects while on locos or cars..  | 14                            | ---   | 14       |
| Getting on or off cars or locomotives.....         | 777                           | ---   | 777      |
| Collisions, derailments, etc. (below \$ threshold) | ---                           | ---   | ---      |
| Highway-rail crossing accidents/incidents.....     | 44                            | 4     | 40       |
| Struck by/ran into loco/car(not at hwy-rr x-ing).  | 23                            | 5     | 18       |
| Servicing or maintenance of equipment.....         | 2,405                         | ---   | 2,405    |
| Maintenance of way and structures.....             | 3,027                         | 1     | 3,026    |
| Freight, baggage, express or mail.....             | 113                           | ---   | 113      |
| Windows, doors, etc., on on-track equipment.....   | 268                           | ---   | 268      |
| Passenger car doors.....                           | 14                            | ---   | 14       |
| Stumbling, slipping, falling, caught, N.O.C.....   | 1,945                         | 2     | 1,943    |
| Flying or falling objects, burns, etc., N.O.C....  | 261                           | 2     | 259      |
| Operation of on-track work equipment.....          | 62                            | ---   | 62       |
| Assault.....                                       | 140                           | 1     | 139      |
| Other occurrences.....                             | 1,528                         | 16    | 1,512    |
| Total.....   | 12,412                        | 31    | 12,381   |
| Grand total.....                                   | 19,455                        | 1,104 | 15,874   |

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

The total number of highway-rail accidents in the TRAIN ACCIDENT category only includes those that exceed the monetary threshold for reporting. Those in the TRAIN INCIDENT and NONTRAIN INCIDENT categories only include those accidents/incidents that resulted in reportable casualties. For more information concerning highway-rail crossing accidents/incidents, refer to the "HIGHWAY-RAIL CROSSING AND INVENTORY BULLETIN."

TABLE 17. SUMMARY OF TRAIN ACCIDENTS AND MILEAGE BY MONTH, 1994

| Month     | Accs  |         | Total<br>Damage | Damage<br>Per MTM | .....Train Miles..... |            |                |             |
|-----------|-------|---------|-----------------|-------------------|-----------------------|------------|----------------|-------------|
|           | Accs  | Per MTM |                 |                   | Locomotive            | Motor      | Yard Switching | Total       |
| January   | 233   | 4.46    | 18,623,568      | \$356,725.50      | 42,381,787            | 2,389,715  | 7,435,320      | 52,206,822  |
| February  | 248   | 4.85    | 18,701,269      | \$366,002.60      | 41,797,217            | 2,168,301  | 7,130,968      | 51,096,486  |
| March     | 231   | 4.05    | 10,452,586      | \$183,439.85      | 46,585,138            | 2,521,096  | 7,874,839      | 56,981,073  |
| April     | 212   | 3.88    | 12,238,049      | \$224,012.91      | 44,803,343            | 2,376,524  | 7,450,819      | 54,630,686  |
| May       | 227   | 4.08    | 16,630,635      | \$298,961.58      | 45,533,945            | 2,428,079  | 7,665,720      | 55,627,744  |
| June      | 228   | 4.23    | 15,959,078      | \$296,081.30      | 44,018,546            | 2,432,817  | 7,450,000      | 53,901,363  |
| July      | 224   | 4.23    | 16,097,452      | \$303,788.56      | 43,544,622            | 2,386,872  | 7,057,340      | 52,988,834  |
| August    | 213   | 3.83    | 13,859,929      | \$248,867.50      | 45,723,014            | 2,550,672  | 7,418,195      | 55,691,881  |
| September | 214   | 3.92    | 15,048,460      | \$275,774.45      | 44,637,904            | 2,403,591  | 7,526,984      | 54,568,479  |
| October   | 196   | 3.41    | 11,388,083      | \$198,177.69      | 47,087,238            | 2,440,980  | 7,936,145      | 57,464,363  |
| November  | 228   | 4.17    | 16,627,589      | \$304,367.36      | 44,812,121            | 2,430,599  | 7,387,544      | 54,630,264  |
| December  | 215   | 3.89    | 14,923,820      | \$269,894.57      | 45,717,988            | 2,134,903  | 7,442,170      | 55,295,061  |
| Total...  | 2,669 | 4.07    | 180,550,518     | \$275,614.72      | 536,642,863           | 28,664,149 | 89,776,044     | 655,083,056 |

NOTE: "MTM" = Million train miles

TABLE 18. SUMMARY OF TRAIN ACCIDENTS BY TYPE OF ACCIDENT, 1994

| Type of Accident        | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Derailment              | 151 | 159 | 158 | 142 | 160 | 175 | 152 | 148 | 157 | 131 | 150 | 142 | 1,825 |
| Head on collision       | 5   | 5   | 1   | 1   | 5   | --- | 4   | --- | --- | 1   | 3   | 2   | 27    |
| Rear end collision      | 4   | 3   | 9   | --- | --- | 2   | 1   | 2   | 3   | 1   | 4   | 2   | 31    |
| Side collision          | 16  | 17  | 11  | 12  | 12  | 6   | 11  | 17  | 11  | 12  | 15  | 11  | 151   |
| Raking collision        | 1   | 4   | 5   | 6   | 2   | 2   | 2   | 1   | 1   | --- | --- | 3   | 27    |
| Broken train collision  | --- | 1   | --- | --- | --- | --- | --- | --- | 1   | --- | --- | 2   | 4     |
| Hwy-rail crossing       | 16  | 14  | 16  | 12  | 14  | 14  | 10  | 13  | 11  | 15  | 15  | 15  | 165   |
| RR grade crossing       | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---   |
| Obstruction             | 10  | 11  | 7   | 3   | 4   | 3   | 8   | 5   | 8   | 1   | 4   | 4   | 68    |
| Explosion-detonation    | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---   |
| Fire or violent rupture | --- | 2   | 1   | 1   | --- | 1   | 1   | --- | 1   | 1   | --- | 2   | 10    |
| Other                   | 30  | 32  | 23  | 35  | 30  | 25  | 35  | 27  | 21  | 34  | 37  | 32  | 361   |
| Total                   | 233 | 248 | 231 | 212 | 227 | 228 | 224 | 213 | 214 | 196 | 228 | 215 | 2,669 |

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TABLE 19. SUMMARY OF TRAIN ACCIDENTS BY CAUSE AND TYPE, 1994

| Cause Of Accident                          | -----Total----- |                    | Collisions | Derailments  | Other      | Hwy Rail Crossing |
|--|-----------------|--------------------|------------|--------------|------------|-------------------|
|  | Accidents       | Damage             |            |              |            |                   |
| <b>TRACK, ROADBED AND STRUCTURES</b>       |                 |                    |            |              |            |                   |
| Roadbed defects                            | 51              | 2,709,466          | ---        | 48           | 3          | ---               |
| Track geometry defects                     | 362             | 17,824,798         | 1          | 354          | 7          | ---               |
| Rail joint bar and anchoring               | 224             | 27,602,148         | ---        | 219          | 5          | ---               |
| Frogs, switches and track appliances       | 242             | 6,307,563          | 6          | 216          | 20         | ---               |
| Other way and structure                    | 32              | 980,836            | ---        | 7            | 25         | ---               |
| Signal and communication failures          | 36              | 784,821            | 6          | 13           | 17         | ---               |
| Subtotal.....                              | 947             | 56,209,632         | 13         | 857          | 77         | ---               |
| <b>MECHANICAL AND ELECTRICAL FAILURES</b>  |                 |                    |            |              |            |                   |
| <b>*LOCOMOTIVE FAILURE*</b>                |                 |                    |            |              |            |                   |
| Brakes                                     | ---             | ---                | ---        | ---          | ---        | ---               |
| Body                                       | ---             | ---                | ---        | ---          | ---        | ---               |
| Coupler and draft system                   | ---             | ---                | ---        | ---          | ---        | ---               |
| Truck components                           | 1               | 8,320              | ---        | 1            | ---        | ---               |
| Axles and journal bearings                 | 9               | 1,437,570          | ---        | 8            | 1          | ---               |
| Wheels                                     | 5               | 62,013             | ---        | 5            | ---        | ---               |
| Locomotives                                | 9               | 1,175,143          | 1          | 3            | 5          | ---               |
| General mechanical and electrical failure  | 5               | 169,761            | 1          | ---          | 4          | ---               |
| Subtotal (Locomotives)..                   | 29              | 2,852,807          | 2          | 17           | 10         | ---               |
| <b>*CAR FAILURE*</b>                       |                 |                    |            |              |            |                   |
| Brakes                                     | 26              | 5,479,345          | 3          | 18           | 5          | ---               |
| Trailer or container on flat car           | 2               | 102,600            | ---        | 1            | 1          | ---               |
| Body                                       | 18              | 557,474            | ---        | 17           | 1          | ---               |
| Coupler and draft system                   | 34              | 1,955,570          | 3          | 29           | 2          | ---               |
| Truck components                           | 74              | 5,604,112          | ---        | 72           | 2          | ---               |
| Axles and journal bearings                 | 50              | 7,115,163          | 1          | 48           | 1          | ---               |
| Wheels                                     | 41              | 7,502,321          | ---        | 41           | ---        | ---               |
| Doors                                      | 7               | 219,377            | ---        | 6            | 1          | ---               |
| General mechanical and electrical failures | 12              | 358,074            | ---        | 7            | 5          | ---               |
| Subtotal (cars).....                       | 264             | 28,894,036         | 7          | 239          | 18         | ---               |
| <b>TOTAL EQUIPMENT FAILURES....</b>        | <b>293</b>      | <b>31,746,843</b>  | <b>9</b>   | <b>256</b>   | <b>28</b>  | <b>---</b>        |
| <b>TRAIN OPERATION - HUMAN FACTORS</b>     |                 |                    |            |              |            |                   |
| Brakes, use of                             | 136             | 7,796,563          | 31         | 38           | 67         | ---               |
| Employee physical condition                | 5               | 413,202            | 4          | 1            | ---        | ---               |
| Flagging, fixed, hand and radio signals    | 43              | 4,155,290          | 20         | 16           | 7          | ---               |
| General switching rules                    | 299             | 7,979,204          | 71         | 117          | 111        | ---               |
| Main track authority                       | 33              | 2,553,145          | 19         | 2            | 12         | ---               |
| Train handling/train make-up               | 138             | 6,026,621          | 2          | 124          | 12         | ---               |
| Speed                                      | 62              | 4,236,610          | 23         | 23           | 16         | ---               |
| Switches, use of                           | 165             | 4,610,021          | 20         | 126          | 19         | ---               |
| Cab signals                                | ---             | ---                | ---        | ---          | ---        | ---               |
| Miscellaneous                              | 30              | 6,524,090          | 5          | 15           | 10         | ---               |
| Subtotal.....                              | 911             | 44,294,746         | 195        | 462          | 254        | ---               |
| <b>MISCELLANEOUS FACTORS</b>               |                 |                    |            |              |            |                   |
| Environmental conditions                   | 40              | 3,865,414          | 4          | 28           | 8          | ---               |
| Loading procedures                         | 35              | 3,383,245          | 5          | 20           | 10         | ---               |
| Highway-rail grade crossing accidents      | 162             | 11,664,320         | ---        | ---          | ---        | 162               |
| Unusual operational situations             | 127             | 8,203,059          | 5          | 89           | 31         | 2                 |
| Other miscellaneous                        | 154             | 21,183,259         | 9          | 113          | 31         | 1                 |
| Subtotal.....                              | 518             | 48,299,297         | 23         | 250          | 80         | 165               |
| <b>GRAND TOTAL.....</b>                    | <b>2,669</b>    | <b>180,550,518</b> | <b>240</b> | <b>1,825</b> | <b>439</b> | <b>165</b>        |

TABLE 20. NUMBER OF ACCIDENTS RESULTING FROM OPERATING PRACTICES BY CAUSE, 1994

| Cause Of Accident                              | -----Total----- |           | Collisions | Derailments | Other | Hwy Rail Crossing |
|--|-----------------|-----------|------------|-------------|-------|-------------------|
|  | Accidents       | Damage    |            |             |       |                   |
| <b>BRAKES, USE OF</b>                          |                 |           |            |             |       |                   |
| H008 Bottling the Air                          | 6               | 226,150   | 1          | 1           | 4     | ---               |
| H017 Failure to secure engine- rr empl         | 9               | 204,069   | 2          | 3           | 4     | ---               |
| H018 Fail to secure car hand brk -rr emp       | 34              | 1,332,167 | 5          | 11          | 18    | ---               |
| H019 Fail to release hand brk - rr emp         | 1               | 332,156   | ---        | 1           | ---   | ---               |
| H020 Fail to apply suff. hand brakes -rr em    | 42              | 1,438,771 | 13         | 8           | 21    | ---               |
| H021 Fail to apply car hand brks -rr emp       | 24              | 904,005   | 5          | 5           | 14    | ---               |
| H022 Fail to secure equip - not rr emp         | 4               | 97,120    | 2          | 2           | ---   | ---               |
| H025 Fail to ctrl car spd use hand brk-r emp   | 5               | 127,000   | 1          | 1           | 3     | ---               |
| H099 Use of brakes, other                      | 11              | 3,135,125 | 2          | 6           | 3     | ---               |
| SUBTOTAL.....                                  | 136             | 7,796,563 | 31         | 38          | 67    | ---               |
| <b>EMPLOYEE PHYSICAL CONDITION</b>             |                 |           |            |             |       |                   |
| H101 Impairment because of drugs or alcohol    | 1               | 6,752     | 1          | ---         | ---   | ---               |
| H104 Employee asleep                           | 4               | 406,450   | 3          | 1           | ---   | ---               |
| SUBTOTAL.....                                  | 5               | 413,202   | 4          | 1           | ---   | ---               |
| <b>FLAGGING, FIXED, HAND AND RADIO SIGNALS</b> |                 |           |            |             |       |                   |
| H201 Absence of fixed signal (Blue Signal)     | 1               | ---       | ---        | ---         | 1     | ---               |
| H204 Fixed signal, failure to comply           | 7               | 754,646   | 4          | 2           | 1     | ---               |
| H205 Flagging, improper or failure to flag     | 2               | 7,151     | ---        | 2           | ---   | ---               |
| H206 Flagging signal, failure to comply        | 2               | 117,748   | 1          | 1           | ---   | ---               |
| H209 Hand signal, failure to give/receive      | 1               | 41,000    | 1          | ---         | ---   | ---               |
| H210 Radio communication, failure to comply    | 8               | 274,644   | 3          | 4           | 1     | ---               |
| H211 Radio communication, improper             | 3               | 79,400    | ---        | 3           | ---   | ---               |
| H212 Radio comm., failure to give/receive      | 4               | 71,250    | 2          | 1           | 1     | ---               |
| H215 Block signal, failure to comply           | 9               | 1,933,538 | 6          | 3           | ---   | ---               |
| H216 Interlocking signal, failure to comply    | 3               | 264,700   | 1          | ---         | 2     | ---               |
| H299 Other signal causes                       | 3               | 611,213   | 2          | ---         | 1     | ---               |
| SUBTOTAL.....                                  | 43              | 4,155,290 | 20         | 16          | 7     | ---               |
| <b>GENERAL SWITCHING RULES</b>                 |                 |           |            |             |       |                   |
| H301 Car(s) shoved out & left out of clear     | 10              | 170,965   | 3          | 4           | 3     | ---               |
| H302 Cars left foul                            | 39              | 583,747   | 6          | 8           | 25    | ---               |
| H303 Derail, failure to apply or remove        | 7               | 170,691   | ---        | 7           | ---   | ---               |
| H305 Instruction to trn/yd crew improper       | 20              | 607,108   | 4          | 8           | 8     | ---               |
| H306 Shoving movement, absence of man          | 100             | 2,725,314 | 28         | 41          | 31    | ---               |
| H307 Shoving movement, failure to control      | 34              | 1,794,355 | 15         | 6           | 13    | ---               |
| H308 Skate, failure to remove or place         | 2               | 98,712    | ---        | 2           | ---   | ---               |
| H309 Failure to stretch cars before shoving    | 1               | 60,000    | ---        | ---         | 1     | ---               |
| H310 Failure to couple                         | 9               | 295,861   | ---        | 3           | 6     | ---               |
| H311 Moving cars-load ramp,etc, not in pos     | 2               | 19,300    | ---        | 1           | 1     | ---               |
| H312 Passed couplers                           | 36              | 592,224   | ---        | 26          | 10    | ---               |
| H313 Retarder, improper manual operation       | 6               | 122,755   | ---        | 3           | 3     | ---               |
| H399 Other general switching rules             | 33              | 738,172   | 15         | 8           | 10    | ---               |
| SUBTOTAL.....                                  | 299             | 7,979,204 | 71         | 117         | 111   | ---               |
| <b>MAIN TRACK AUTHORITY</b>                    |                 |           |            |             |       |                   |
| H401 Failure to stop train in clear            | 11              | 395,039   | 8          | 1           | 2     | ---               |
| H402 Motor car/on-trk rules, fail to comply    | 12              | 419,612   | 3          | ---         | 9     | ---               |
| H403 Movement without authority - rr emp       | 1               | 133,750   | 1          | ---         | ---   | ---               |
| H404 Fail to comply with trn order, etc.       | 3               | 1,327,378 | 2          | ---         | 1     | ---               |
| H499 Other main track authority causes         | 6               | 277,366   | 5          | 1           | ---   | ---               |
| SUBTOTAL.....                                  | 33              | 2,553,145 | 19         | 2           | 12    | ---               |

TABLE 20. NUMBER OF ACCIDENTS RESULTING FROM OPERATING PRACTICES BY CAUSE, CONT., 1994

| Cause Of Accident                             | -----Total----- |            | Collisions | Derailments | Other | Hwy Rail Crossing |
|---|-----------------|------------|------------|-------------|-------|-------------------|
|   | Accidents       | Damage     |            |             |       |                   |
| <b>TRAIN HANDLING/TRAIN MAKE-UP</b>           |                 |            |            |             |       |                   |
| H501 Improper train make-up at init term      | 2               | 958,380    | ---        | 2           | ---   | ---               |
| H503 Buff/slack action excess, trn handling   | 50              | 1,793,193  | ---        | 49          | 1     | ---               |
| H504 Buff/slack action excess, trn make-up    | 25              | 1,390,984  | ---        | 21          | 4     | ---               |
| H505 Lat DB force on curve xcess trn hndlng   | 13              | 310,457    | ---        | 13          | ---   | ---               |
| H506 Lat DB force on curve excess, make-up    | 6               | 147,302    | ---        | 6           | ---   | ---               |
| H507 Lat drawbar force-short/long car combo   | 8               | 277,541    | ---        | 6           | 2     | ---               |
| H508 Improper train make-up                   | 4               | 86,900     | ---        | 2           | 2     | ---               |
| H510 Automatic brake, insufficient            | ---             | 2,321      | ---        | ---         | ---   | ---               |
| H513 Automatic brake, other improper use      | 4               | 138,479    | ---        | 3           | 1     | ---               |
| H514 Fail to allow air brks to release        | 1               | 40,700     | ---        | 1           | ---   | ---               |
| H516 Fail to cut-in brake valves-loco         | 1               | 19,763     | 1          | ---         | ---   | ---               |
| H518 Dynamic brake, excessive                 | 1               | 12,500     | ---        | 1           | ---   | ---               |
| H519 Dynamic brake, too rapid adjustment      | 2               | 28,910     | ---        | 2           | ---   | ---               |
| H521 Dynamic brake, other improper use        | 1               | 79,915     | ---        | 1           | ---   | ---               |
| H522 Throttle (power), improper use           | 1               | 20,000     | ---        | 1           | ---   | ---               |
| H523 Throttle (power), too rapid adjustment   | 1               | 78,360     | ---        | 1           | ---   | ---               |
| H524 Excessive horsepower                     | 2               | 159,700    | ---        | 2           | ---   | ---               |
| H525 Independent brake, improper use          | 6               | 90,090     | ---        | 6           | ---   | ---               |
| H599 Other train handling/makeup              | 10              | 391,126    | 1          | 7           | 2     | ---               |
| SUBTOTAL.....                                 | 138             | 6,026,621  | 2          | 124         | 12    | ---               |
| <b>SPEED</b>                                  |                 |            |            |             |       |                   |
| H601 Coupling speed excessive                 | 18              | 445,866    | 1          | 8           | 9     | ---               |
| H602 Switch movement, excessive speed         | 6               | 65,002     | 4          | 2           | ---   | ---               |
| H603 Train inside yard limits, excess speed   | 9               | 334,777    | 4          | 4           | 1     | ---               |
| H604 Train outside yd limits, excess speed    | 2               | 186,150    | ---        | 2           | ---   | ---               |
| H605 Failure to comply with restricted speed  | 20              | 2,156,830  | 12         | 4           | 4     | ---               |
| H699 Speed, other                             | 7               | 1,047,985  | 2          | 3           | 2     | ---               |
| SUBTOTAL.....                                 | 62              | 4,236,610  | 23         | 23          | 16    | ---               |
| <b>SWITCHES, USE OF</b>                       |                 |            |            |             |       |                   |
| H701 Spring Switch not clear before reverse   | 3               | 218,820    | ---        | 3           | ---   | ---               |
| H702 Switch improperly lined                  | 99              | 3,071,319  | 19         | 62          | 18    | ---               |
| H703 Switch not latched or locked             | 10              | 130,740    | ---        | 9           | 1     | ---               |
| H704 Switch previously run through            | 41              | 1,000,893  | ---        | 41          | ---   | ---               |
| H705 Moveable point trk frog improper lined   | 2               | 26,880     | ---        | 2           | ---   | ---               |
| H799 Use of switches, other                   | 10              | 161,369    | 1          | 9           | ---   | ---               |
| SUBTOTAL.....                                 | 165             | 4,610,021  | 20         | 126         | 19    | ---               |
| <b>MISCELLANEOUS</b>                          |                 |            |            |             |       |                   |
| H992 Op. of loco by uncert/unqual person      | 2               | 58,000     | 1          | ---         | 1     | ---               |
| H993 Human factors - track                    | 4               | 475,301    | ---        | 4           | ---   | ---               |
| H995 Human factors - motive power & equipment | 2               | 23,200     | ---        | 2           | ---   | ---               |
| H999 Other train operation/human factors      | 22              | 5,967,589  | 4          | 9           | 9     | ---               |
| SUBTOTAL.....                                 | 30              | 6,524,090  | 5          | 15          | 10    | ---               |
| GRAND TOTAL.....                              | 911             | 44,294,746 | 195        | 462         | 254   | ---               |

TABLE 21. NUMBER OF ACCIDENTS RESULTING FROM MECHANICAL AND ELECTRICAL FAILURES BY CAUSE, 1994

| Cause Of Accident                           | -----Total----- |           | Collisions | Derailments | Other | Hwy Rail Crossing |
|---|-----------------|-----------|------------|-------------|-------|-------------------|
|   | Accidents       | Damage    |            |             |       |                   |
| <b>BRAKES</b>                               |                 |           |            |             |       |                   |
| E0HC Hand brk link and/or connect defect    | 2               | 30,250    | 1          | ---         | 1     | ---               |
| E00C Air hose uncoupled or burst            | 2               | 58,300    | ---        | 1           | 1     | ---               |
| E03C Obstructed brake pipe                  | 1               | 4,017,609 | 1          | ---         | ---   | ---               |
| E04C Oth brk component dmg,worn,broke,etc.  | 1               | 297,626   | ---        | 1           | ---   | ---               |
| E05C Brk valve malf. (undesired emergency)  | 3               | 618,295   | ---        | 3           | ---   | ---               |
| E07C Rigging down or dragging               | 8               | 269,495   | ---        | 8           | ---   | ---               |
| E08C Hand brk broken or defective           | 5               | 111,620   | 1          | 3           | 1     | ---               |
| E09C Other brake defects, cars              | 4               | 76,150    | ---        | 2           | 2     | ---               |
| SUBTOTAL.....                               | 26              | 5,479,345 | 3          | 18          | 5     | ---               |
| <b>TRAILER OR CONTAINER ON FLAT CAR</b>     |                 |           |            |             |       |                   |
| E12C Broken or defective container          | 1               | 9,600     | ---        | ---         | 1     | ---               |
| E19C Oth trailer/container on flt car def   | 1               | 93,000    | ---        | 1           | ---   | ---               |
| SUBTOTAL.....                               | 2               | 102,600   | ---        | 1           | 1     | ---               |
| <b>BODY</b>                                 |                 |           |            |             |       |                   |
| E20C Body bolster broken or defective       | 2               | 21,700    | ---        | 2           | ---   | ---               |
| E21C Center sill broken or bent             | 4               | 140,300   | ---        | 4           | ---   | ---               |
| E22C Draft sill broken or bent              | 2               | 30,581    | ---        | 2           | ---   | ---               |
| E23C Center plate broken or defective       | 2               | 189,500   | ---        | 2           | ---   | ---               |
| E24C Ctr plate disengaged from truck        | 3               | 101,811   | ---        | 3           | ---   | ---               |
| E29C Other body defects, (CAR)              | 5               | 73,582    | ---        | 4           | 1     | ---               |
| SUBTOTAL.....                               | 18              | 557,474   | ---        | 17          | 1     | ---               |
| <b>COUPLER AND DRAFT SYSTEM</b>             |                 |           |            |             |       |                   |
| E30C Knuckle broken or defective            | 4               | 136,420   | 1          | 3           | ---   | ---               |
| E31C Coupler mismatch, high/low             | 11              | 145,439   | 1          | 8           | 2     | ---               |
| E32C Coupler drawhead broken or defective   | 2               | 76,500    | ---        | 2           | ---   | ---               |
| E33C Coupler retainer pin/cross key missing | 3               | 402,515   | ---        | 3           | ---   | ---               |
| E34C Draft gear/mechanism broke/defective   | 2               | 79,908    | ---        | 2           | ---   | ---               |
| E35C Coupler carrier broken or defective    | 3               | 100,328   | ---        | 3           | ---   | ---               |
| E36C Coupler shank broken/defective         | 1               | 558,777   | ---        | 1           | ---   | ---               |
| E39C Oth coupler/draft system defects-car   | 8               | 455,683   | 1          | 7           | ---   | ---               |
| SUBTOTAL.....                               | 34              | 1,955,570 | 3          | 29          | 2     | ---               |
| <b>TRUCK COMPONENTS</b>                     |                 |           |            |             |       |                   |
| E4TC Truck hunting                          | 7               | 415,119   | ---        | 7           | ---   | ---               |
| E40C Side bearing clearance insufficient    | 15              | 929,474   | ---        | 15          | ---   | ---               |
| E41C Side bearing clearance excessive       | 1               | 152,201   | ---        | 1           | ---   | ---               |
| E42C Side bearing(s) broken                 | 3               | 231,582   | ---        | 3           | ---   | ---               |
| E44C Truck bolster broken                   | 2               | 140,500   | ---        | 2           | ---   | ---               |
| E46C Truck bolster stiff                    | 39              | 3,294,305 | ---        | 38          | 1     | ---               |
| E48C Broken, missing, or defective springs  | 1               | 69,730    | ---        | 1           | ---   | ---               |
| E49C Other truck component defects, (CAR)   | 6               | 371,201   | ---        | 5           | 1     | ---               |
| E49L Other truck component defects, (LOCO)  | 1               | 8,320     | ---        | 1           | ---   | ---               |
| SUBTOTAL.....                               | 75              | 5,612,432 | ---        | 73          | 2     | ---               |

TABLE 21. NUMBER OF ACCIDENTS RESULTING FROM MECHANICAL AND ELECTRICAL FAILURES BY CAUSE, CONT., 1994

| Cause Of Accident                                 | -----Total----- |            | Collisions | Derailments | Other | Hwy Rail Crossing |
|---|-----------------|------------|------------|-------------|-------|-------------------|
|   | Accidents       | Damage     |            |             |       |                   |
| <b>AXLES AND JOURNAL BEARINGS</b>                 |                 |            |            |             |       |                   |
| E51C Broken/bent axle between wheel seats         | 4               | 307,637    | ---        | 4           | ---   | ---               |
| E51L Broke/bent axle btwn wheel seats-loco        | 8               | 1,428,570  | ---        | 8           | ---   | ---               |
| E52C Journal (plain) failure from overheat        | 5               | 202,376    | ---        | 5           | ---   | ---               |
| E52L Journal (plain) fail-overheating (LOCO)      | 1               | 9,000      | ---        | ---         | 1     | ---               |
| E53C Journal (roller bearing) overheating         | 40              | 6,585,150  | 1          | 38          | 1     | ---               |
| E59C Oth axle/journal bearing defect-car          | 1               | 20,000     | ---        | 1           | ---   | ---               |
| SUBTOTAL.....                                     | 59              | 8,552,733  | 1          | 56          | 2     | ---               |
| <b>WHEELS</b>                                     |                 |            |            |             |       |                   |
| E6AC Thermal crack, flange or tread               | 2               | 92,704     | ---        | 2           | ---   | ---               |
| E60C Broken flange                                | 4               | 278,137    | ---        | 4           | ---   | ---               |
| E61C Broken rim                                   | 5               | 4,474,400  | ---        | 5           | ---   | ---               |
| E62C Broken plate                                 | 1               | 18,700     | ---        | 1           | ---   | ---               |
| E63C Broken hub                                   | 1               | 8,400      | ---        | 1           | ---   | ---               |
| E64C Worn Flange                                  | 10              | 324,010    | ---        | 10          | ---   | ---               |
| E64L Worn flange (LOCOMOTIVE)                     | 5               | 62,013     | ---        | 5           | ---   | ---               |
| E66C Damaged flange or tread (flat)               | 3               | 331,958    | ---        | 3           | ---   | ---               |
| E67C Damaged flange or tread (build up)           | 4               | 58,351     | ---        | 4           | ---   | ---               |
| E69C Other wheel defects (CAR)                    | 11              | 1,915,661  | ---        | 11          | ---   | ---               |
| SUBTOTAL.....                                     | 46              | 7,564,334  | ---        | 46          | ---   | ---               |
| <b>LOCOMOTIVES</b>                                |                 |            |            |             |       |                   |
| E71L Traction motor failure (LOCOMOTIVE)          | 4               | 790,300    | ---        | 3           | 1     | ---               |
| E74L Electrically caused fire (LOCOMOTIVE)        | 3               | 335,649    | ---        | ---         | 3     | ---               |
| E79L Other locomotive defects                     | 2               | 49,194     | 1          | ---         | 1     | ---               |
| SUBTOTAL.....                                     | 9               | 1,175,143  | 1          | 3           | 5     | ---               |
| <b>DOORS</b>                                      |                 |            |            |             |       |                   |
| E85C Bottom outlet car door open                  | 4               | 122,664    | ---        | 4           | ---   | ---               |
| E86C Bottom outlet door attachment defect         | 3               | 96,713     | ---        | 2           | 1     | ---               |
| SUBTOTAL.....                                     | 7               | 219,377    | ---        | 6           | 1     | ---               |
| <b>GENERAL MECHANICAL AND ELECTRICAL FAILURES</b> |                 |            |            |             |       |                   |
| E99C Other mechanical/electrical failures         | 12              | 358,074    | ---        | 7           | 5     | ---               |
| E99L Other mechanical/electrical fail(LOCO)       | 5               | 169,761    | 1          | ---         | 4     | ---               |
| SUBTOTAL.....                                     | 17              | 527,835    | 1          | 7           | 9     | ---               |
| GRAND TOTAL.....                                  | 293             | 31,746,843 | 9          | 256         | 28    | ---               |



TABLE 22: NUMBER OF ACCIDENTS RESULTING FROM TRACK, ROADBED AND STRUCTURES BY CAUSE, 1994

| Cause Of Accident                            | -----Total----- |            | Collisions | Derailments | Other | Hy Rail Crossing |
|--|-----------------|------------|------------|-------------|-------|------------------|
|  | Accidents       | Damage     |            |             |       |                  |
| <b>ROADBED DEFECTS</b>                       |                 |            |            |             |       |                  |
| T001 Roadbed settled or soft                 | 36              | 1,423,598  | ---        | 35          | 1     | ---              |
| T002 Washout/rain/slide/etc. dmg -track      | 11              | 1,161,168  | ---        | 9           | 2     | ---              |
| T099 Other roadbed defects                   | 4               | 124,700    | ---        | 4           | ---   | ---              |
| SUBTOTAL.....                                | 51              | 2,709,466  | ---        | 48          | 3     | ---              |
| <b>TRACK GEOMETRY DEFECTS</b>                |                 |            |            |             |       |                  |
| T101 Cross level of track irregular(joints)  | 45              | 3,303,103  | ---        | 45          | ---   | ---              |
| T102 Cross level track irreg.(not at joints) | 41              | 2,205,541  | ---        | 41          | ---   | ---              |
| T103 Deviate frm uniform top of rail profil  | 4               | 92,739     | ---        | 3           | 1     | ---              |
| T104 Disturbed ballast section               | 1               | 171,900    | ---        | 1           | ---   | ---              |
| T105 Insufficient ballast section            | 2               | 47,450     | ---        | 2           | ---   | ---              |
| T106 Superelevation improper, excessive,etc  | 5               | 487,001    | ---        | 5           | ---   | ---              |
| T107 Superelevation runoff improper          | 1               | 145,000    | ---        | 1           | ---   | ---              |
| T108 Trk alignmnt irreg-not buckled/sunkink  | 7               | 1,148,055  | ---        | 7           | ---   | ---              |
| T109 Track alignment irreg(buckled/sunkink)  | 35              | 3,102,787  | ---        | 35          | ---   | ---              |
| T110 Wide gage(defective/missing crossties)  | 172             | 4,258,080  | ---        | 167         | 5     | ---              |
| T111 Wide gage(spikes/other rail fasteners)  | 18              | 1,481,969  | ---        | 17          | 1     | ---              |
| T112 Wide gage(loose,broke, etc, gage rods)  | 2               | 89,786     | ---        | 2           | ---   | ---              |
| T113 Wide gage (due to worn rails)           | 10              | 221,548    | ---        | 10          | ---   | ---              |
| T199 Other track geometry defects            | 19              | 1,069,839  | 1          | 18          | ---   | ---              |
| SUBTOTAL.....                                | 362             | 17,824,798 | 1          | 354         | 7     | ---              |
| <b>RAIL AND JOINT BAR DEFECTS</b>            |                 |            |            |             |       |                  |
| T201 Bolt hole crack or break                | 8               | 1,847,900  | ---        | 8           | ---   | ---              |
| T202 Broken base of rail                     | 30              | 2,283,636  | ---        | 28          | 2     | ---              |
| T204 Broken weld (field)                     | 4               | 772,485    | ---        | 4           | ---   | ---              |
| T205 Defective or missing crossties          | 9               | 294,559    | ---        | 9           | ---   | ---              |
| T206 Defect/missing spike-oth rail fastener  | 1               | 25,209     | ---        | 1           | ---   | ---              |
| T207 Detail fracture - shelling/head check   | 17              | 3,789,256  | ---        | 16          | 1     | ---              |
| T208 Engine burn fracture                    | 2               | 22,400     | ---        | 2           | ---   | ---              |
| T210 Head and web sep(outside jt bar limit)  | 21              | 918,886    | ---        | 21          | ---   | ---              |
| T211 Head & web separation-in jt bar limit   | 4               | 389,267    | ---        | 4           | ---   | ---              |
| T212 Horizontal split head                   | 5               | 335,558    | ---        | 5           | ---   | ---              |
| T213 Joint bar broken (compromise)           | 1               | 6,300      | ---        | 1           | ---   | ---              |
| T215 Joint bar broken (noninsulated)         | 8               | 1,076,253  | ---        | 8           | ---   | ---              |
| T216 Joint bolts, broken, or missing         | 5               | 112,813    | ---        | 5           | ---   | ---              |
| T217 Mismatched rail-head contour            | 4               | 70,041     | ---        | 4           | ---   | ---              |
| T220 Transverse/compound fissure             | 32              | 5,277,520  | ---        | 32          | ---   | ---              |
| T221 Vertical split head                     | 40              | 5,914,481  | ---        | 39          | 1     | ---              |
| T222 Worn rail                               | 11              | 394,147    | ---        | 10          | 1     | ---              |
| T299 Other rail and joint bar defects        | 22              | 4,071,437  | ---        | 22          | ---   | ---              |
| SUBTOTAL.....                                | 224             | 27,602,148 | ---        | 219         | 5     | ---              |

TABLE 22: NUMBER OF ACCIDENTS RESULTING FROM TRACK, ROADBED AND STRUCTURES BY CAUSE, CONT., 1994

| Cause Of Accident                           | -----Total----- |            | Collisions | Derailments | Other | Hwy Rail Crossing |
|---|-----------------|------------|------------|-------------|-------|-------------------|
|   | Accidents       | Damage     |            |             |       |                   |
| <b>FROGS, SWITCHES AND TRACK APPLIANCES</b> |                 |            |            |             |       |                   |
| T305 Retarder worn, broken, malfunctioning  | 24              | 365,701    | 2          | 12          | 10    | ---               |
| T306 Retarder yard skate defective          | 5               | 73,710     | 2          | 2           | 1     | ---               |
| T307 Spring/power swtch mech. malfunction   | 5               | 67,884     | ---        | 4           | 1     | ---               |
| T308 Stock rail worn, broken, disconnected  | 6               | 349,613    | ---        | 6           | ---   | ---               |
| T309 Switch (hand op) stand mechanism defec | 8               | 96,396     | ---        | 8           | ---   | ---               |
| T310 Swtch connect/operate rod broke/defect | 4               | 98,551     | ---        | 4           | ---   | ---               |
| T311 Switch damaged or out of adjustment    | 33              | 836,705    | ---        | 33          | ---   | ---               |
| T312 Switch lug/crank broken                | 1               | 19,500     | ---        | 1           | ---   | ---               |
| T313 Switch out of adj. insuff. anchoring   | 4               | 62,275     | ---        | 4           | ---   | ---               |
| T314 Switch point worn or broken            | 92              | 2,164,978  | 1          | 86          | 5     | ---               |
| T315 Switch rod worn, bent, broken, etc.    | 6               | 373,522    | ---        | 6           | ---   | ---               |
| T316 Turnout frog (rigid) worn, or broken   | 2               | 37,036     | ---        | 2           | ---   | ---               |
| T317 Turnout frog(self guarded)-worn/broken | 2               | 248,011    | ---        | 2           | ---   | ---               |
| T318 Turnout frog (spring) worn, or broken  | 2               | 30,482     | ---        | 2           | ---   | ---               |
| T319 Switch pt gap(btwm swt pt & stock rail | 31              | 815,773    | 1          | 28          | 2     | ---               |
| T399 Oth frog, switch, trk appliance defect | 17              | 667,426    | ---        | 16          | 1     | ---               |
| SUBTOTAL.....                               | 242             | 6,307,563  | 6          | 216         | 20    | ---               |
| <b>OTHER WAY AND STRUCTURES</b>             |                 |            |            |             |       |                   |
| T401 Bridge misalignment or failure         | 1               | 308,000    | ---        | ---         | 1     | ---               |
| T402 Flangeway clogged                      | 2               | 95,000     | ---        | 2           | ---   | ---               |
| T403 Engineering design or construction     | 1               | 24,500     | ---        | 1           | ---   | ---               |
| T499 Other way and structure defect         | 28              | 553,336    | ---        | 4           | 24    | ---               |
| SUBTOTAL.....                               | 32              | 980,836    | ---        | 7           | 25    | ---               |
| <b>SIGNAL AND COMMUNICATION FAILURES</b>    |                 |            |            |             |       |                   |
| S005 Block signal displayed false proceed   | 1               | 21,600     | ---        | 1           | ---   | ---               |
| S006 Classyard autocontrol sys switch fail  | 8               | 121,424    | ---        | 2           | 6     | ---               |
| S007 Class yd auto ctrl sys retarder fail   | 12              | 175,230    | 2          | 3           | 7     | ---               |
| S008 Fixed sig improperly displayed (defect | 1               | 128,150    | ---        | 1           | ---   | ---               |
| S011 Power switch failure                   | 4               | 75,548     | ---        | 3           | 1     | ---               |
| S012 Radio communication equipment failure  | 1               | 55,500     | 1          | ---         | ---   | ---               |
| S013 Other communication equipment failure  | 1               | 57,800     | 1          | ---         | ---   | ---               |
| S099 Other signal failures                  | 8               | 149,569    | 2          | 3           | 3     | ---               |
| SUBTOTAL.....                               | 36              | 784,821    | 6          | 13          | 17    | ---               |
| GRAND TOTAL.....                            | 947             | 56,209,632 | 13         | 857         | 77    | ---               |

**TABLE 23: NUMBER OF ACCIDENTS RESULTING FROM MISCELLANEOUS CAUSES BY CAUSE, 1994**

| Cause Of Accident                            | -----Total----- |                   | Collisions | Derailments | Other      | Hwy Rail Crossing |
|--|-----------------|-------------------|------------|-------------|------------|-------------------|
|  | Accidents       | Damage            |            |             |            |                   |
| <b>ENVIRONMENTAL CONDITIONS</b>              |                 |                   |            |             |            |                   |
| M101 Snow,ice,mud,gravel,coal,etc. on trk    | 20              | 632,996           | ---        | 15          | 5          | ---               |
| M103 Extreme environmental - FLOOD           | 3               | 329,449           | ---        | 3           | ---        | ---               |
| M104 Extreme environmental - DENSE FOG       | 1               | 33,000            | ---        | ---         | 1          | ---               |
| M105 Extreme wind velocity                   | 11              | 767,099           | 2          | 7           | 2          | ---               |
| M199 Other extreme environmental conditions  | 5               | 2,102,870         | 2          | 3           | ---        | ---               |
| <b>SUBTOTAL.....</b>                         | <b>40</b>       | <b>3,865,414</b>  | <b>4</b>   | <b>28</b>   | <b>8</b>   | <b>---</b>        |
| <b>LOADING PROCEDURES</b>                    |                 |                   |            |             |            |                   |
| M201 Load shifted                            | 11              | 1,034,267         | 4          | 6           | 1          | ---               |
| M202 Load fell from car                      | 5               | 1,302,301         | ---        | 5           | ---        | ---               |
| M203 Overloaded car                          | 1               | 65,500            | ---        | 1           | ---        | ---               |
| M204 Improperly loaded car                   | 8               | 702,052           | ---        | 8           | ---        | ---               |
| M205 Oversized load, misrouted               | 3               | 37,506            | ---        | ---         | 3          | ---               |
| M206 Trailer/container tiedown eqp improper  | 2               | 131,200           | ---        | ---         | 2          | ---               |
| M299 Miscellaneous loading procedures        | 5               | 110,419           | 1          | ---         | 4          | ---               |
| <b>SUBTOTAL.....</b>                         | <b>35</b>       | <b>3,383,245</b>  | <b>5</b>   | <b>20</b>   | <b>10</b>  | <b>---</b>        |
| <b>HIGHWAY-RAIL GRADE CROSSING ACCIDENTS</b> |                 |                   |            |             |            |                   |
| M301 Hwy user impairment-drug/alcohol use    | 1               | 16,738            | ---        | ---         | ---        | 1                 |
| M302 Highway user inattentiveness            | 62              | 2,796,459         | ---        | ---         | ---        | 62                |
| M303 Hwy user misjudgement                   | 32              | 2,744,825         | ---        | ---         | ---        | 32                |
| M304 Highway user cited for violation        | 28              | 1,095,329         | ---        | ---         | ---        | 28                |
| M306 Highway user unable to stop, weather    | 2               | 363,289           | ---        | ---         | ---        | 2                 |
| M399 Other causes (highway-rail collisions)  | 37              | 4,647,680         | ---        | ---         | ---        | 37                |
| <b>SUBTOTAL.....</b>                         | <b>162</b>      | <b>11,664,320</b> | <b>---</b> | <b>---</b>  | <b>---</b> | <b>162</b>        |
| <b>UNUSUAL OPERATIONAL SITUATIONS</b>        |                 |                   |            |             |            |                   |
| M401 Emergency brke appl. to avoid accident  | 3               | 144,378           | ---        | 3           | ---        | ---               |
| M402 Object/equipment (mtr veh) on track     | 6               | 1,053,353         | ---        | ---         | 6          | ---               |
| M404 Obj/equip on/fouling track, other       | 25              | 1,485,338         | ---        | 12          | 11         | 2                 |
| M405 Harmonic rock off, etc.                 | 65              | 4,338,069         | ---        | 65          | ---        | ---               |
| M406 Fire, other than vandalism              | 3               | 536,500           | ---        | ---         | 3          | ---               |
| M407 Auto hump retarder failed to slow car   | 16              | 500,995           | 5          | 2           | 9          | ---               |
| M408 Yard skate slid and failed to stop car  | 4               | 47,845            | ---        | 2           | 2          | ---               |
| M409 Lading chains/straps fouling switches   | 5               | 96,581            | ---        | 5           | ---        | ---               |
| <b>SUBTOTAL.....</b>                         | <b>127</b>      | <b>8,203,059</b>  | <b>5</b>   | <b>89</b>   | <b>31</b>  | <b>2</b>          |
| <b>OTHER MISCELLANEOUS</b>                   |                 |                   |            |             |            |                   |
| M501 Interference(not vandals)with RR op.    | 6               | 473,190           | 1          | 4           | 1          | ---               |
| M502 Vandalism of on-track equipment         | 16              | 627,961           | ---        | 12          | 4          | ---               |
| M503 Vandalism of track or track appliances  | 43              | 2,057,690         | ---        | 31          | 12         | ---               |
| M504 Fail by non-rr emp to control spd of ca | 9               | 184,897           | 1          | 4           | 4          | ---               |
| M505 Cause under investigation               | 16              | 12,520,703        | 2          | 14          | ---        | ---               |
| M599 Other miscellaneous causes              | 64              | 5,318,818         | 5          | 48          | 10         | 1                 |
| <b>SUBTOTAL.....</b>                         | <b>154</b>      | <b>21,183,259</b> | <b>9</b>   | <b>113</b>  | <b>31</b>  | <b>1</b>          |
| <b>GRAND TOTAL.....</b>                      | <b>518</b>      | <b>48,299,297</b> | <b>23</b>  | <b>250</b>  | <b>80</b>  | <b>165</b>        |

TABLE 24. DAMAGE TO EQUIPMENT IN TRAIN ACCIDENTS BY CONSIST TYPE, 1994

| Type of consist   | ....Collisions.... |            | ...Derailments.... |            | .....Other..... |            | ..Hwy-Rail X-ing.. |           | .....Total..... |             |
|-------------------|--------------------|------------|--------------------|------------|-----------------|------------|--------------------|-----------|-----------------|-------------|
|                   | Number             | Damage     | Number             | Damage     | Number          | Damage     | Number             | Damage    | Number          | Damage      |
| Freight train.... | 136                | 19,067,489 | 1,215              | 73,365,526 | 85              | 2,323,609  | 99                 | 7,720,629 | 1,535           | 102,477,253 |
| Passenger train.. | 17                 | 5,686,053  | 28                 | 2,893,569  | 64              | 2,405,887  | 47                 | 2,075,302 | 156             | 13,060,811  |
| Mixed train.....  | 1                  | 3,800      | 2                  | 287,406    | ---             | ---        | ---                | ---       | 3               | 291,206     |
| Work train.....   | 7                  | 51,534     | 8                  | 220,980    | 1               | 6,802      | 1                  | 10,000    | 17              | 289,316     |
| Single car.....   | 29                 | 548,368    | 22                 | 189,816    | 56              | 1,038,915  | 5                  | 62,882    | 112             | 1,839,981   |
| Cut of cars.....  | 68                 | 876,241    | 80                 | 1,664,572  | 87              | 1,201,586  | ---                | ---       | 235             | 3,742,399   |
| Yard/switching... | 150                | 2,546,996  | 474                | 5,629,328  | 210             | 3,306,744  | 2                  | 37,000    | 836             | 11,520,068  |
| Light loco(s).... | 40                 | 610,206    | 37                 | 666,784    | 17              | 257,992    | 4                  | 85,996    | 98              | 1,620,978   |
| Unknown.....      | ---                | ---        | ---                | ---        | ---             | ---        | ---                | ---       | ---             | ---         |
| Total.....        | 448                | 29,390,687 | 1,866              | 84,917,981 | 520             | 10,541,535 | 158                | 9,991,809 | 2,992           | 134,842,012 |

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

TABLE 25. ACCIDENTS INVOLVING CONSISTS TRANSPORTING HAZARDOUS MATERIALS, BY TYPE ACCIDENT, 1994

| Type Of Accident        | Consists Carrying | .....Cars..... |                   |                  | Releasing Hazmat | People Evacuated | Damage To Equipment |
|-------------------------|-------------------|----------------|-------------------|------------------|------------------|------------------|---------------------|
|                         |                   | In Consist     | Containing Hazmat | Damaged W/Hazmat |                  |                  |                     |
| Derailment              | 395               | 24,020         | 3,339             | 571              | 37               | 5,336            | 22,440,113          |
| Head on collision       | 6                 | 320            | 31                | ---              | ---              | ---              | 6,584,062           |
| Rear end collision      | 11                | 674            | 43                | 1                | ---              | ---              | 3,516,009           |
| Side collision          | 51                | 2,417          | 367               | 51               | 2                | 10,000           | 1,732,488           |
| Raking collision        | 5                 | 309            | 53                | 1                | ---              | ---              | 46,000              |
| Broken train collision  | 1                 | 20             | 1                 | ---              | ---              | ---              | 50,000              |
| Hwy-rail crossing       | 26                | 1,621          | 217               | 4                | 3                | 12               | 3,874,359           |
| RR grade crossing       | ---               | ---            | ---               | ---              | ---              | ---              | ---                 |
| Obstruction             | 3                 | 91             | 7                 | 2                | ---              | ---              | 20,800              |
| Explosion-detonation    | ---               | ---            | ---               | ---              | ---              | ---              | ---                 |
| Fire or violent rupture | 1                 | 129            | 27                | ---              | ---              | ---              | 12,000              |
| Other                   | 59                | 2,220          | 292               | 50               | 1                | ---              | 875,256             |
| Total                   | 558               | 31,821         | 4,377             | 680              | 43               | 15,348           | 39,151,087          |

TABLE 26. TRAIN ACCIDENTS INVOLVING CONSISTS TRANSPORTING HAZARDOUS MATERIALS, 1994

| YEAR | TOTAL NUMBER OF ACCIDENTS | ACCIDENTS IN WHICH A HAZMAT CAR WAS DAMAGED OR DERAILED | ACCIDENTS IN WHICH THERE WAS A RELEASE OF HAZARDOUS MATERIALS | ACCIDENTS WHICH RESULTED IN EVALUATION |
|------|---------------------------|---|---|--|
| 1989 | 517                       | 251   | 55  | 28                                     |
| 1990 | 466                       | 236   | 35  | 20                                     |
| 1991 | 525                       | 293   | 47  | 28                                     |
| 1992 | 482                       | 230   | 27  | 11                                     |
| 1993 | 559                       | 262   | 29  | 15                                     |
| 1994 | 537                       | 266   | 36  | 20                                     |

TABLE 27. ACCIDENTS INVOLVING CONSISTS TRANSPORTING HAZARDOUS MATERIALS, BY CAUSE, 1994

| Cause                                      | Consists Carrying | Cars          |                   |                  | Releasing Hazmat | People Evacuated | Damage To Equipment |
|--|-------------------|---------------|-------------------|------------------|------------------|------------------|---------------------|
|  |                   | In Consist    | Containing Hazmat | Damaged W/Hazmat |                  |                  |                     |
| <b>TRACK, ROADBED AND STRUCTURES</b>       |                   |               |                   |                  |                  |                  |                     |
| Roadbed defects                            | 12                | 391           | 72                | 15               | ---              | ---              | 590,428             |
| Track geometry defects                     | 81                | 4,318         | 753               | 131              | 7                | 385              | 2,883,767           |
| Rail joint bar and anchoring               | 51                | 3,000         | 499               | 113              | 6                | 1,636            | 6,894,044           |
| Frogs, switches and track appliances       | 38                | 2,286         | 293               | 40               | 1                | ---              | 512,671             |
| Other way and structure                    | 1                 | 77            | 2                 | 2                | ---              | ---              | 20,000              |
| Signal and communication failures          | 4                 | 149           | 9                 | 3                | ---              | ---              | 30,400              |
| Subtotal.....                              | 187               | 10,221        | 1,628             | 304              | 14               | 2,021            | 10,931,310          |
| <b>MECHANICAL AND ELECTRICAL FAILURES</b>  |                   |               |                   |                  |                  |                  |                     |
| Brakes                                     | 10                | 585           | 146               | 13               | 2                | ---              | 3,084,755           |
| Trailer or container on flat car           | 2                 | 80            | 9                 | 1                | 1                | ---              | 95,000              |
| Body                                       | 5                 | 404           | 28                | 7                | 1                | ---              | 203,010             |
| Coupler and draft system                   | 7                 | 584           | 49                | 3                | ---              | ---              | 398,090             |
| Truck components                           | 27                | 1,722         | 257               | 23               | 1                | 30               | 1,044,644           |
| Axles and journal bearings                 | 22                | 1,698         | 133               | 23               | 1                | 25               | 1,079,570           |
| Wheels                                     | 10                | 738           | 57                | 8                | 2                | 500              | 1,050,879           |
| Locomotives                                | 1                 | 71            | 5                 | ---              | ---              | ---              | 12,900              |
| Doors                                      | ---               | ---           | ---               | ---              | ---              | ---              | ---                 |
| General mechanical and electrical failures | 1                 | 85            | 6                 | ---              | ---              | ---              | 9,600               |
| Subtotal.....                              | 85                | 5,967         | 690               | 78               | 8                | 555              | 6,978,448           |
| <b>TRAIN OPERATION - HUMAN FACTORS</b>     |                   |               |                   |                  |                  |                  |                     |
| Brakes, use of                             | 29                | 1,409         | 192               | 48               | 2                | 10,050           | 1,435,975           |
| Employee physical condition                | 1                 | 62            | 1                 | 1                | ---              | ---              | 28,000              |
| Flagging, fixed, hand and radio signals    | 17                | 966           | 110               | 13               | 2                | 50               | 1,841,250           |
| General switching rules                    | 67                | 2,691         | 388               | 58               | 2                | ---              | 1,090,677           |
| Main track authority                       | 5                 | 411           | 37                | ---              | ---              | ---              | 875,509             |
| Train handling/train make-up               | 35                | 2,587         | 259               | 34               | ---              | 2,000            | 1,694,504           |
| Speed                                      | 10                | 431           | 30                | 3                | ---              | ---              | 106,200             |
| Switches, use of                           | 24                | 1,132         | 187               | 27               | ---              | 250              | 396,290             |
| Cab signals                                | ---               | ---           | ---               | ---              | ---              | ---              | ---                 |
| Miscellaneous                              | 7                 | 349           | 72                | 6                | ---              | ---              | 5,385,003           |
| Subtotal.....                              | 195               | 10,038        | 1,276             | 190              | 6                | 12,350           | 12,853,408          |
| <b>MISCELLANEOUS FACTORS</b>               |                   |               |                   |                  |                  |                  |                     |
| Environmental conditions                   | 5                 | 211           | 53                | 33               | 4                | ---              | 1,948,730           |
| Loading procedures                         | 9                 | 695           | 121               | 7                | 3                | ---              | 668,950             |
| Highway-rail grade crossing accidents      | 26                | 1,621         | 217               | 4                | 3                | 12               | 3,874,359           |
| Unusual operational situations             | 28                | 1,806         | 215               | 29               | 5                | 410              | 956,365             |
| Other miscellaneous                        | 23                | 1,262         | 177               | 35               | ---              | ---              | 939,517             |
| Subtotal.....                              | 91                | 5,595         | 783               | 108              | 15               | 422              | 8,387,921           |
| <b>GRAND TOTAL.....</b>                    | <b>558</b>        | <b>31,821</b> | <b>4,377</b>      | <b>680</b>       | <b>43</b>        | <b>15,348</b>    | <b>39,151,087</b>   |

TABLE 28. ACCIDENTS INVOLVING CONSISTS TRANSPORTING HAZARDOUS MATERIALS, BY STATE, 1994

| State                 | Consists Carrying | Cars       |                   |                  | Releasing Hazmat | People Evacuated | Damage To Equipment |
|-----------------------|-------------------|------------|-------------------|------------------|------------------|------------------|---------------------|
|                       |                   | In Consist | Containing Hazmat | Damaged W/Hazmat |                  |                  |                     |
| Alabama.....          | 15                | 1,157      | 187               | 23               | 1                | 2,135            | 394,904             |
| Alaska.....           | 1                 | 24         | 24                | 2                | 1                | ---              | 45,000              |
| Arizona.....          | 9                 | 667        | 143               | 18               | 2                | ---              | 608,900             |
| Arkansas.....         | 17                | 923        | 94                | 10               | ---              | ---              | 654,971             |
| California.....       | 46                | 2,361      | 359               | 55               | 6                | ---              | 6,189,203           |
| Colorado.....         | 6                 | 335        | 65                | 5                | ---              | ---              | 102,020             |
| Connecticut.....      | ---               | ---        | ---               | ---              | ---              | ---              | ---                 |
| Delaware.....         | ---               | ---        | ---               | ---              | ---              | ---              | ---                 |
| Dist of Columbia..... | ---               | ---        | ---               | ---              | ---              | ---              | ---                 |
| Florida.....          | 5                 | 225        | 57                | 12               | ---              | ---              | 69,368              |
| Georgia.....          | 7                 | 282        | 13                | 7                | 1                | ---              | 939,409             |
| Idaho.....            | 5                 | 335        | 33                | 10               | 1                | ---              | 813,000             |
| Illinois.....         | 45                | 2,346      | 324               | 68               | 3                | 10               | 1,618,922           |
| Indiana.....          | 8                 | 392        | 78                | 28               | ---              | ---              | 355,965             |
| Iowa.....             | 6                 | 337        | 29                | 4                | 1                | 30               | 256,826             |
| Kansas.....           | 20                | 1,104      | 115               | 9                | ---              | ---              | 1,409,945           |
| Kentucky.....         | 7                 | 395        | 56                | 15               | ---              | ---              | 158,700             |
| Louisiana.....        | 27                | 1,789      | 391               | 47               | 4                | ---              | 693,014             |
| Maine.....            | 3                 | 121        | 41                | 16               | ---              | ---              | 183,900             |
| Maryland.....         | 2                 | 176        | 4                 | 4                | ---              | ---              | 54,800              |
| Massachusetts.....    | 3                 | 73         | 10                | ---              | ---              | ---              | 29,000              |
| Michigan.....         | 6                 | 213        | 23                | 8                | ---              | ---              | 363,770             |
| Minnesota.....        | 20                | 1,267      | 120               | 12               | 1                | 50               | 689,972             |
| Mississippi.....      | 21                | 1,734      | 174               | 32               | 2                | 10,275           | 1,818,594           |
| Missouri.....         | 13                | 907        | 108               | 14               | 1                | 200              | 1,647,650           |
| Montana.....          | 14                | 878        | 75                | 6                | 1                | ---              | 281,426             |
| Nebraska.....         | 16                | 1,108      | 191               | 18               | 1                | ---              | 774,050             |
| Nevada.....           | 5                 | 376        | 30                | ---              | ---              | ---              | 179,356             |
| New Hampshire.....    | 1                 | 67         | 1                 | ---              | ---              | ---              | 165,000             |
| New Jersey.....       | 6                 | 188        | 20                | 17               | ---              | ---              | 223,260             |
| New Mexico.....       | 8                 | 415        | 53                | 3                | 2                | ---              | 712,580             |
| New York.....         | 7                 | 349        | 19                | 14               | ---              | ---              | 551,767             |
| North Carolina.....   | 6                 | 363        | 37                | 2                | ---              | 6                | 491,400             |
| North Dakota.....     | 5                 | 312        | 29                | 8                | 1                | 1,500            | 1,054,001           |
| Ohio.....             | 15                | 776        | 64                | 17               | 3                | 500              | 956,170             |
| Oklahoma.....         | 14                | 615        | 33                | 7                | ---              | 250              | 660,278             |
| Oregon.....           | 5                 | 199        | 18                | 5                | ---              | ---              | 108,200             |
| Pennsylvania.....     | 12                | 503        | 106               | 25               | 2                | ---              | 532,305             |
| Rhode Island.....     | ---               | ---        | ---               | ---              | ---              | ---              | ---                 |
| South Carolina.....   | 1                 | 4          | 4                 | 2                | ---              | ---              | 500                 |
| South Dakota.....     | 1                 | 53         | 1                 | 1                | ---              | ---              | ---                 |
| Tennessee.....        | 15                | 772        | 103               | 27               | 2                | 212              | 1,025,030           |
| Texas.....            | 72                | 3,803      | 744               | 71               | 5                | 130              | 8,135,785           |
| Utah.....             | 12                | 905        | 98                | 6                | ---              | ---              | 891,600             |
| Vermont.....          | 1                 | 16         | 2                 | 2                | ---              | ---              | 9,455               |
| Virginia.....         | ---               | ---        | ---               | ---              | ---              | ---              | ---                 |
| Washington.....       | 13                | 795        | 110               | 14               | ---              | ---              | 183,605             |
| West Virginia.....    | ---               | ---        | ---               | ---              | ---              | ---              | ---                 |
| Wisconsin.....        | 19                | 1,194      | 82                | 9                | ---              | ---              | 611,695             |
| Wyoming.....          | 18                | 967        | 109               | 27               | 2                | 50               | 2,505,791           |
| Unknown.....          | ---               | ---        | ---               | ---              | ---              | ---              | ---                 |
| TOTAL.....            | 558               | 31,821     | 4,377             | 680              | 43               | 15,348           | 39,151,087          |

TABLE 29: TRAIN ACCIDENTS INVOLVING HAZARDOUS MATERIALS BY RAILROAD, 1994

| Railroad  | TOTAL<br>HAZMAT<br>CONSISTS | <<<.....C A R S.....>>> |                      |                     |                     |        | People<br>Evacuated | Damage to<br>Equipment |
|---|-----------------------------|-------------------------|----------------------|---------------------|---------------------|--------|---------------------|------------------------|
|   |                             | In<br>Consists          | Containing<br>Hazmat | Damaged<br>w/Hazmat | Releasing<br>Hazmat |        |                     |                        |
| <b>CLASS I RAILROADS</b>  |                             |                         |                      |                     |                     |        |                     |                        |
| Amtrak (Nat'l Railroad Passenger Corp.)                                 | 0                           | 0                       | 0                    | 0                   | 0                   | 0      | 0                   | 0                      |
| Atchison, Topeka & Santa Fe Railway                                     | 56                          | 3,201                   | 473                  | 42                  | 3                   | 250    | 5,346,254           |                        |
| Burlington Northern Railroad Co.  | 83                          | 5,067                   | 479                  | 78                  | 6                   | 350    | 6,353,214           |                        |
| Chicago and North Western Railway Co.                                   | 8                           | 529                     | 26                   | 3                   | 0                   | 0      | 95,780              |                        |
| Consolidated Rail Corp.   | 21                          | 1,104                   | 56                   | 49                  | 2                   | 500    | 1,175,604           |                        |
| CSX Transportation  | 29                          | 2,187                   | 363                  | 72                  | 2                   | 18     | 2,133,095           |                        |
| Denver & Rio Grande Western Railroad                                    | 2                           | 143                     | 18                   | 0                   | 0                   | 0      | 14,500              |                        |
| Grand Trunk Western Railroad Inc.                                       | 1                           | 79                      | 2                    | 2                   | 0                   | 0      | 288,500             |                        |
| Illinois Central Railroad Co.   | 35                          | 2,492                   | 345                  | 63                  | 7                   | 12,025 | 2,243,111           |                        |
| Kansas City Southern Railway Co.  | 12                          | 920                     | 87                   | 28                  | 1                   | 250    | 521,208             |                        |
| Norfolk Southern Corp.  | 17                          | 1,059                   | 120                  | 9                   | 2                   | 45     | 838,839             |                        |
| Soo Line Railroad Co.   | 17                          | 1,293                   | 99                   | 4                   | 1                   | 1,500  | 974,571             |                        |
| Southern Pacific Transportation Co.                                     | 35                          | 1,839                   | 278                  | 45                  | 5                   | 30     | 8,538,025           |                        |
| St. Louis Southwestern Railway Co.                                      | 4                           | 215                     | 16                   | 0                   | 0                   | 0      | 77,256              |                        |
| Union Pacific Railroad Co.  | 118                         | 7,004                   | 1,111                | 105                 | 5                   | 50     | 6,205,748           |                        |
| Total Class I Railroads.....  | 438                         | 27,132                  | 3,473                | 500                 | 34                  | 15,018 | 34,805,705          |                        |
| <b>GROUP II RAILROADS **</b>  |                             |                         |                      |                     |                     |        |                     |                        |
| Alton & Southern Railroad   | 4                           | 200                     | 26                   | 0                   | 0                   | 0      | 37,860              |                        |
| Alaska Railroad Corp.   | 1                           | 24                      | 24                   | 2                   | 1                   | 0      | 45,000              |                        |
| Bangor & Aroostook Railroad   | 2                           | 85                      | 38                   | 13                  | 0                   | 0      | 107,900             |                        |
| Bessemer & Lake Erie Railroad Co.                                       | 0                           | 0                       | 0                    | 0                   | 0                   | 0      | 0                   |                        |
| Belt Railway Co. Of Chicago   | 13                          | 438                     | 51                   | 14                  | 0                   | 0      | 126,925             |                        |
| Birmingham Southern Railroad Co.  | 0                           | 0                       | 0                    | 0                   | 0                   | 0      | 0                   |                        |
| Chicago, Central & Pacific Railroad                                     | 1                           | 19                      | 1                    | 1                   | 1                   | 30     | 148,000             |                        |
| Cuyahoga Valley Railway Co.   | 0                           | 0                       | 0                    | 0                   | 0                   | 0      | 0                   |                        |
| Delaware & Hudson Railway Co.   | 3                           | 129                     | 13                   | 9                   | 0                   | 0      | 730,000             |                        |
| Dakota, Minnesota & Eastern Railroad                                    | 1                           | 53                      | 1                    | 1                   | 0                   | 0      | 0                   |                        |
| Duluth, Missabe & Iron Range Railway                                    | 0                           | 0                       | 0                    | 0                   | 0                   | 0      | 0                   |                        |
| Elgin, Joliet & Eastern Railway Co.                                     | 1                           | 14                      | 1                    | 1                   | 0                   | 0      | 30,000              |                        |
| Florida East Coast Railway Co.  | 2                           | 78                      | 12                   | 0                   | 0                   | 0      | 35,600              |                        |
| Fox Valley & Western Ltd.   | 1                           | 34                      | 2                    | 2                   | 0                   | 0      | 3,200               |                        |
| Gateway Western Railway   | 2                           | 129                     | 2                    | 2                   | 1                   | 0      | 95,500              |                        |
| Houston Belt & Terminal Railway Co.                                     | 0                           | 0                       | 0                    | 0                   | 0                   | 0      | 0                   |                        |
| Indiana Harbor Belt Railroad Co.  | 5                           | 280                     | 52                   | 8                   | 0                   | 0      | 100,754             |                        |
| Long Island Rail Road   | 1                           | 19                      | 1                    | 1                   | 0                   | 0      | 4,500               |                        |
| Metro North Commuter Railroad Co.                                       | 0                           | 0                       | 0                    | 0                   | 0                   | 0      | 0                   |                        |
| Montana Rail Link   | 8                           | 491                     | 41                   | 6                   | 1                   | 0      | 184,050             |                        |
| Northern Indiana Commuter Trans.  | 0                           | 0                       | 0                    | 0                   | 0                   | 0      | 0                   |                        |
| Northeast Illinois Regional Comuter                                     | 0                           | 0                       | 0                    | 0                   | 0                   | 0      | 0                   |                        |
| New Jersey Transit Rail Operations                                      | 0                           | 0                       | 0                    | 0                   | 0                   | 0      | 0                   |                        |
| Paducah & Louisville Railway Co.  | 0                           | 0                       | 0                    | 0                   | 0                   | 0      | 0                   |                        |
| Port Authority Trans Hudson   | 0                           | 0                       | 0                    | 0                   | 0                   | 0      | 0                   |                        |
| Port Terminal Railroad Assoc.   | 6                           | 289                     | 11                   | 9                   | 0                   | 0      | 149,300             |                        |
| Southeastern Pennsylvania Trans.  | 0                           | 0                       | 0                    | 0                   | 0                   | 0      | 0                   |                        |
| Southern Pacific, Chicago-St. Louis                                     | 1                           | 13                      | 13                   | 1                   | 0                   | 0      | 150                 |                        |
| Springfield Terminal Railway Co.  | 2                           | 107                     | 5                    | 0                   | 0                   | 0      | 180,000             |                        |
| Texas Mexican Railway Co.   | 0                           | 0                       | 0                    | 0                   | 0                   | 0      | 0                   |                        |
| Terminal Railroad Assoc. Of State Dock                                  | 0                           | 0                       | 0                    | 0                   | 0                   | 0      | 0                   |                        |
| Union Railroad Co. (Pittsburgh)   | 0                           | 0                       | 0                    | 0                   | 0                   | 0      | 0                   |                        |
| Wisconsin Central Ltd. (also Railway)                                   | 15                          | 749                     | 78                   | 8                   | 0                   | 10     | 740,650             |                        |
| Wheeling & Lake Erie Railway Co.  | 0                           | 0                       | 0                    | 0                   | 0                   | 0      | 0                   |                        |
| TOTAL GROUP II RAILROADS.....   | 69                          | 3,151                   | 372                  | 78                  | 4                   | 40     | 2,719,389           |                        |
| <b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b> |                             |                         |                      |                     |                     |        |                     |                        |
| Class I Railroads   | 438                         | 27,132                  | 3,473                | 500                 | 34                  | 15,018 | 34,805,705          |                        |
| Group II Railroads **   | 69                          | 3,151                   | 372                  | 78                  | 4                   | 40     | 2,719,389           |                        |
| All Other Railroads   | 51                          | 1,538                   | 532                  | 102                 | 5                   | 290    | 1,625,993           |                        |
| Total All Railroads   | 558                         | 31,821                  | 4,377                | 680                 | 43                  | 15,348 | 39,151,087          |                        |

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

TABLE 30: TRAIN ACCIDENTS BY STATE AND TYPE OF ACCIDENT, 1994

| State              | ....Collisions.... |            | ...Derailments.... |             | .....Other..... |            | ..Hwy-Rail X-ing.. |            | .....Total..... |             |
|--------------------|--------------------|------------|--------------------|-------------|-----------------|------------|--------------------|------------|-----------------|-------------|
|                    | Number             | Damage     | Number             | Damage      | Number          | Damage     | Number             | Damage     | Number          | Damage      |
| Alabama.....       | 4                  | 180,469    | 16                 | 1,450,488   | 2               | 18,270     | 5                  | 204,715    | 27              | 1,853,942   |
| Alaska.....        | ---                | ---        | 2                  | 150,000     | ---             | ---        | 1                  | 12,000     | 3               | 162,000     |
| Arizona.....       | 1                  | 12,400     | 19                 | 2,374,654   | 2               | 54,600     | ---                | ---        | 22              | 2,441,654   |
| Arkansas.....      | 5                  | 169,702    | 54                 | 1,977,888   | 5               | 66,136     | 5                  | 165,065    | 69              | 2,378,791   |
| California.....    | 18                 | 5,404,798  | 92                 | 7,540,362   | 19              | 364,929    | 15                 | 327,777    | 144             | 13,637,866  |
| Colorado.....      | 5                  | 121,600    | 31                 | 2,974,434   | 5               | 59,869     | 2                  | 252,313    | 43              | 3,408,216   |
| Connecticut.....   | 4                  | 128,816    | 10                 | 215,398     | 19              | 460,356    | 3                  | 182,556    | 36              | 987,126     |
| Delaware.....      | ---                | ---        | 3                  | 251,000     | 3               | 207,985    | 1                  | 63,800     | 7               | 522,785     |
| Dist of Columbia.  | 2                  | 418,750    | 5                  | 75,399      | 2               | 31,373     | ---                | ---        | 9               | 525,522     |
| Florida.....       | 5                  | 221,661    | 14                 | 2,072,012   | 3               | 59,905     | 5                  | 137,348    | 27              | 2,490,926   |
| Georgia.....       | 10                 | 503,090    | 22                 | 1,575,549   | 3               | 29,250     | 5                  | 306,236    | 40              | 2,414,125   |
| Idaho.....         | 1                  | 56,000     | 32                 | 2,363,793   | 4               | 208,450    | ---                | ---        | 37              | 2,628,243   |
| Illinois.....      | 39                 | 1,167,995  | 190                | 9,728,042   | 37              | 1,051,982  | 13                 | 662,979    | 279             | 12,610,998  |
| Indiana.....       | 6                  | 132,730    | 45                 | 1,797,493   | 4               | 82,487     | 5                  | 149,779    | 60              | 2,162,489   |
| Iowa.....          | 6                  | 158,532    | 44                 | 3,670,807   | 18              | 406,567    | 3                  | 103,559    | 71              | 4,339,465   |
| Kansas.....        | 4                  | 1,078,100  | 60                 | 3,214,293   | 26              | 1,437,000  | 4                  | 144,400    | 94              | 5,873,793   |
| Kentucky.....      | 4                  | 151,700    | 22                 | 1,246,834   | 1               | 22,000     | 2                  | 30,122     | 29              | 1,450,656   |
| Louisiana.....     | 7                  | 292,613    | 48                 | 2,130,297   | 8               | 177,850    | 8                  | 281,955    | 71              | 2,882,715   |
| Maine.....         | ---                | ---        | 4                  | 273,618     | 1               | 28,000     | ---                | ---        | 5               | 301,618     |
| Maryland.....      | 3                  | 136,323    | 4                  | 145,291     | 2               | 26,875     | ---                | ---        | 9               | 308,489     |
| Massachusetts....  | ---                | ---        | 9                  | 230,081     | 2               | 77,300     | 2                  | 67,575     | 13              | 374,956     |
| Michigan.....      | 5                  | 159,995    | 54                 | 1,438,235   | 3               | 37,200     | 1                  | 487,325    | 63              | 2,122,755   |
| Minnesota.....     | 4                  | 190,965    | 67                 | 3,196,897   | 26              | 611,274    | 3                  | 142,600    | 100             | 4,141,736   |
| Mississippi.....   | 5                  | 1,350,354  | 58                 | 2,911,915   | 8               | 181,673    | 9                  | 563,338    | 80              | 5,007,280   |
| Missouri.....      | 5                  | 1,300,530  | 53                 | 4,475,374   | 21              | 513,313    | 8                  | 1,581,094  | 87              | 7,870,311   |
| Montana.....       | 5                  | 344,275    | 30                 | 1,809,518   | 7               | 401,260    | 1                  | 186,599    | 43              | 2,741,652   |
| Nebraska.....      | 6                  | 2,945,365  | 56                 | 8,911,158   | 26              | 771,367    | 6                  | 95,533     | 94              | 12,723,423  |
| Nevada.....        | ---                | ---        | 11                 | 736,201     | 1               | 10,950     | 1                  | 63,340     | 13              | 810,491     |
| New Hampshire..... | ---                | ---        | 3                  | 252,321     | ---             | ---        | ---                | ---        | 3               | 252,321     |
| New Jersey.....    | 5                  | 374,540    | 13                 | 393,507     | 13              | 381,293    | 3                  | 318,000    | 34              | 1,467,340   |
| New Mexico.....    | 3                  | 83,950     | 10                 | 399,610     | 5               | 72,470     | 2                  | 862,000    | 20              | 1,418,030   |
| New York.....      | 11                 | 2,126,154  | 54                 | 5,095,866   | 27              | 1,316,822  | 4                  | 133,896    | 96              | 8,672,738   |
| North Carolina...  | 7                  | 3,820,325  | 17                 | 1,232,764   | 2               | 108,478    | 6                  | 300,400    | 32              | 5,461,967   |
| North Dakota.....  | ---                | ---        | 35                 | 3,002,847   | 3               | 38,700     | 1                  | 70,000     | 39              | 3,111,547   |
| Ohio.....          | 7                  | 675,905    | 51                 | 5,470,699   | 4               | 109,372    | 5                  | 127,672    | 67              | 6,383,648   |
| Oklahoma.....      | 2                  | 18,500     | 36                 | 2,172,286   | 6               | 98,933     | 5                  | 235,420    | 49              | 2,525,139   |
| Oregon.....        | 4                  | 72,834     | 30                 | 1,458,196   | 3               | 32,900     | 1                  | 27,200     | 38              | 1,591,130   |
| Pennsylvania.....  | 9                  | 322,636    | 92                 | 5,631,504   | 7               | 337,464    | 3                  | 32,407     | 111             | 6,324,011   |
| Rhode Island.....  | 1                  | 15,750     | 1                  | 68,000      | ---             | ---        | ---                | ---        | 2               | 83,750      |
| South Carolina...  | ---                | ---        | 8                  | 117,025     | ---             | ---        | 1                  | 640,500    | 9               | 757,525     |
| South Dakota.....  | ---                | ---        | 29                 | 2,821,961   | ---             | ---        | ---                | ---        | 29              | 2,821,961   |
| Tennessee.....     | 3                  | 51,500     | 38                 | 1,558,557   | 9               | 230,500    | 4                  | 803,500    | 54              | 2,644,057   |
| Texas.....         | 22                 | 6,062,071  | 149                | 8,398,415   | 43              | 814,390    | 15                 | 625,128    | 229             | 15,900,004  |
| Utah.....          | 1                  | 30,400     | 24                 | 3,286,600   | 9               | 172,150    | 2                  | 538,805    | 36              | 4,027,955   |
| Vermont.....       | ---                | ---        | 3                  | 87,871      | ---             | ---        | ---                | ---        | 3               | 87,871      |
| Virginia.....      | 3                  | 62,350     | 24                 | 2,031,329   | 2               | 207,850    | 2                  | 824,301    | 31              | 3,125,830   |
| Washington.....    | 1                  | 55,710     | 46                 | 1,342,895   | 17              | 393,967    | ---                | ---        | 64              | 1,792,572   |
| West Virginia....  | 2                  | 39,600     | 14                 | 1,794,156   | ---             | ---        | 1                  | 9,067      | 17              | 1,842,823   |
| Wisconsin.....     | 4                  | 177,400    | 54                 | 1,832,686   | 24              | 942,701    | 2                  | 41,266     | 84              | 2,994,053   |
| Wyoming.....       | 1                  | 47,000     | 39                 | 7,815,649   | 7               | 227,574    | ---                | ---        | 47              | 8,090,223   |
| Unknown.....       | ---                | ---        | ---                | ---         | ---             | ---        | ---                | ---        | ---             | ---         |
| TOTAL.....         | 240                | 30,663,388 | 1,825              | 125,201,775 | 439             | 12,883,785 | 165                | 11,801,570 | 2,669           | 180,550,518 |



TABLE 31: TRAIN ACCIDENTS BY STATE AND CAUSE OF ACCIDENT, 1994

| State             | Track..... |            | Equipment..... |            | ..Human Factors... |            | ..Miscellaneous... |            | .....Total..... |             |
|-------------------|------------|------------|----------------|------------|--------------------|------------|--------------------|------------|-----------------|-------------|
|                   | Number     | Damage     | Number         | Damage     | Number             | Damage     | Number             | Damage     | Number          | Damage      |
| Alabama.....      | 7          | 346,155    | 1              | 8,270      | 8                  | 348,023    | 11                 | 1,151,494  | 27              | 1,853,942   |
| Alaska.....       | 1          | 100,000    | ---            | ---        | 1                  | 50,000     | 1                  | 12,000     | 3               | 162,000     |
| Arizona.....      | 11         | 669,760    | 2              | 1,263,549  | 4                  | 378,700    | 5                  | 129,645    | 22              | 2,441,654   |
| Arkansas.....     | 28         | 432,444    | 4              | 267,000    | 24                 | 897,708    | 13                 | 781,639    | 69              | 2,378,791   |
| California.....   | 44         | 2,940,956  | 14             | 5,283,037  | 54                 | 2,962,146  | 32                 | 2,451,727  | 144             | 13,637,866  |
| Colorado.....     | 12         | 890,231    | ---            | ---        | 21                 | 534,799    | 10                 | 1,983,186  | 43              | 3,408,216   |
| Connecticut.....  | 15         | 277,229    | 5              | 99,704     | 8                  | 231,738    | 8                  | 378,455    | 36              | 987,126     |
| Delaware.....     | 1          | 22,500     | 1              | 219,000    | 2                  | 16,060     | 3                  | 265,225    | 7               | 522,785     |
| Dist of Columbia. | 4          | 45,971     | 1              | 33,500     | 3                  | 419,750    | 1                  | 26,301     | 9               | 525,522     |
| Florida.....      | 8          | 1,005,362  | 1              | 1,010,000  | 8                  | 281,761    | 10                 | 193,803    | 27              | 2,490,926   |
| Georgia.....      | 11         | 330,774    | 4              | 837,021    | 15                 | 614,300    | 10                 | 632,030    | 40              | 2,414,125   |
| Idaho.....        | 13         | 873,472    | 2              | 734,595    | 20                 | 1,001,676  | 2                  | 18,500     | 37              | 2,628,243   |
| Illinois.....     | 98         | 4,181,010  | 25             | 2,833,150  | 108                | 2,608,775  | 48                 | 2,988,063  | 279             | 12,610,998  |
| Indiana.....      | 12         | 721,598    | 7              | 270,100    | 27                 | 738,090    | 14                 | 432,701    | 60              | 2,162,489   |
| Iowa.....         | 33         | 3,541,623  | 5              | 139,117    | 20                 | 346,613    | 13                 | 312,112    | 71              | 4,339,465   |
| Kansas.....       | 39         | 1,618,211  | 14             | 919,861    | 25                 | 1,612,941  | 16                 | 1,722,780  | 94              | 5,873,793   |
| Kentucky.....     | 9          | 780,556    | 2              | 18,000     | 10                 | 402,428    | 8                  | 249,672    | 29              | 1,450,656   |
| Louisiana.....    | 30         | 1,229,717  | 4              | 79,948     | 22                 | 591,737    | 15                 | 981,313    | 71              | 2,882,715   |
| Maine.....        | ---        | ---        | 4              | 273,618    | 1                  | 28,000     | ---                | ---        | 5               | 301,618     |
| Maryland.....     | 1          | 16,575     | 4              | 234,214    | 3                  | 35,750     | 1                  | 21,950     | 9               | 308,489     |
| Massachusetts.... | 6          | 109,561    | 1              | 48,700     | 3                  | 54,620     | 3                  | 162,075    | 13              | 374,956     |
| Michigan.....     | 28         | 1,019,862  | 8              | 115,728    | 23                 | 446,716    | 4                  | 540,449    | 63              | 2,122,755   |
| Minnesota.....    | 48         | 2,391,040  | 10             | 348,728    | 30                 | 908,859    | 12                 | 493,109    | 100             | 4,141,736   |
| Mississippi.....  | 42         | 1,759,247  | 9              | 625,938    | 14                 | 1,848,557  | 15                 | 773,538    | 80              | 5,007,280   |
| Missouri.....     | 22         | 1,304,638  | 13             | 1,370,710  | 26                 | 2,653,329  | 26                 | 2,541,634  | 87              | 7,870,311   |
| Montana.....      | 11         | 638,748    | 8              | 276,043    | 17                 | 809,769    | 7                  | 1,017,092  | 43              | 2,741,652   |
| Nebraska.....     | 28         | 6,068,160  | 18             | 2,474,764  | 27                 | 1,191,154  | 21                 | 2,989,345  | 94              | 12,723,423  |
| Nevada.....       | 4          | 379,200    | 3              | 201,001    | 3                  | 40,450     | 3                  | 189,840    | 13              | 810,491     |
| New Hampshire.... | 1          | 45,500     | 1              | 188,000    | 1                  | 18,821     | ---                | ---        | 3               | 252,321     |
| New Jersey.....   | 9          | 376,701    | 5              | 97,339     | 9                  | 474,988    | 11                 | 518,312    | 34              | 1,467,340   |
| New Mexico.....   | 4          | 214,290    | 2              | 133,000    | 10                 | 176,590    | 4                  | 894,150    | 20              | 1,418,030   |
| New York.....     | 34         | 1,537,587  | 9              | 1,111,355  | 27                 | 3,282,117  | 26                 | 2,741,679  | 96              | 8,672,738   |
| North Carolina... | 12         | 791,464    | 2              | 34,900     | 7                  | 381,925    | 11                 | 4,253,678  | 32              | 5,461,967   |
| North Dakota..... | 21         | 1,890,451  | 7              | 920,067    | 8                  | 138,739    | 3                  | 162,290    | 39              | 3,111,547   |
| Ohio.....         | 19         | 752,665    | 2              | 1,056,950  | 28                 | 1,537,190  | 18                 | 3,036,843  | 67              | 6,383,648   |
| Oklahoma.....     | 19         | 1,564,663  | 4              | 137,615    | 15                 | 508,659    | 11                 | 314,202    | 49              | 2,525,139   |
| Oregon.....       | 15         | 1,048,442  | 4              | 122,434    | 16                 | 364,754    | 3                  | 55,500     | 38              | 1,591,130   |
| Pennsylvania..... | 46         | 2,479,041  | 13             | 1,412,928  | 31                 | 695,575    | 21                 | 1,736,467  | 111             | 6,324,011   |
| Rhode Island..... | 1          | 68,000     | ---            | ---        | 1                  | 15,750     | ---                | ---        | 2               | 83,750      |
| South Carolina... | 4          | 57,770     | ---            | ---        | 3                  | 51,755     | 2                  | 648,000    | 9               | 757,525     |
| South Dakota..... | 20         | 1,119,502  | 3              | 1,588,533  | 5                  | 79,176     | 1                  | 34,750     | 29              | 2,821,961   |
| Tennessee.....    | 16         | 507,245    | 3              | 218,850    | 21                 | 574,650    | 14                 | 1,343,312  | 54              | 2,644,057   |
| Texas.....        | 69         | 3,640,448  | 26             | 1,706,413  | 101                | 8,610,540  | 33                 | 1,942,603  | 229             | 15,900,004  |
| Utah.....         | 7          | 877,175    | 7              | 1,212,112  | 18                 | 542,195    | 4                  | 1,396,473  | 36              | 4,027,955   |
| Vermont.....      | 1          | 16,772     | 2              | 71,099     | ---                | ---        | ---                | ---        | 3               | 87,871      |
| Virginia.....     | 9          | 356,847    | 2              | 24,850     | 7                  | 156,432    | 13                 | 2,587,701  | 31              | 3,125,830   |
| Washington.....   | 25         | 882,177    | 9              | 146,027    | 20                 | 519,824    | 10                 | 244,544    | 64              | 1,792,572   |
| West Virginia.... | 7          | 216,272    | 1              | 106,484    | 6                  | 102,200    | 3                  | 1,417,867  | 17              | 1,842,823   |
| Wisconsin.....    | 32         | 1,539,148  | 7              | 222,095    | 35                 | 1,053,711  | 10                 | 179,099    | 84              | 2,994,053   |
| Wyoming.....      | 10         | 2,532,872  | 14             | 1,250,496  | 15                 | 2,954,706  | 8                  | 1,352,149  | 47              | 8,090,223   |
| Unknown.....      | ---        | ---        | ---            | ---        | ---                | ---        | ---                | ---        | ---             | ---         |
| TOTAL.....        | 947        | 56,209,632 | 293            | 31,746,843 | 911                | 44,294,746 | 518                | 48,299,297 | 2,669           | 180,550,518 |

TABLE 32: TRAIN ACCIDENTS BY STATE AND MONTH, 1994

|                   | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Alabama.....      | 4   | 2   | 7   | --- | 3   | 2   | 4   | --- | 1   | --- | 1   | 3   | 27    |
| Alaska.....       | --- | --- | --- | --- | --- | 1   | --- | --- | 2   | --- | --- | --- | 3     |
| Arizona.....      | 1   | 1   | --- | 1   | 4   | 2   | 6   | 1   | 1   | 1   | 3   | 1   | 22    |
| Arkansas.....     | 7   | 3   | 9   | 7   | 6   | 9   | 5   | 5   | 7   | 3   | 3   | 5   | 69    |
| California.....   | 16  | 13  | 9   | 9   | 14  | 4   | 13  | 19  | 8   | 12  | 13  | 14  | 144   |
| Colorado.....     | 4   | 1   | 5   | 5   | 4   | 6   | 3   | 5   | 2   | 2   | 4   | 2   | 43    |
| Connecticut.....  | 3   | 1   | 5   | 5   | 2   | 2   | 4   | 3   | 3   | 3   | 2   | 3   | 36    |
| Delaware.....     | --- | --- | --- | 1   | --- | --- | 1   | --- | 2   | --- | 2   | 1   | 7     |
| Dist of Columbia. | 1   | 1   | 2   | 2   | --- | --- | --- | 1   | --- | 1   | --- | 1   | 9     |
| Florida.....      | 3   | --- | 1   | --- | 3   | 2   | 8   | 5   | 1   | 1   | 1   | 2   | 27    |
| Georgia.....      | 1   | 4   | 5   | 2   | 2   | 4   | 5   | 1   | 4   | 4   | 6   | 2   | 40    |
| Idaho.....        | 2   | 1   | 3   | 3   | 5   | 5   | 2   | 5   | --- | 4   | 2   | 5   | 37    |
| Illinois.....     | 21  | 26  | 28  | 27  | 24  | 21  | 21  | 17  | 23  | 19  | 22  | 30  | 279   |
| Indiana.....      | 5   | 7   | 7   | 6   | 8   | 3   | 3   | 4   | 5   | 4   | 4   | 4   | 60    |
| Iowa.....         | 5   | 6   | 4   | 11  | 1   | 6   | 5   | 3   | 8   | 3   | 11  | 8   | 71    |
| Kansas.....       | 8   | 5   | 12  | 6   | 5   | 6   | 14  | 5   | 6   | 11  | 9   | 7   | 94    |
| Kentucky.....     | 6   | --- | 1   | 4   | 3   | 1   | 3   | 2   | 1   | 3   | 2   | 3   | 29    |
| Louisiana.....    | 6   | 6   | 8   | 7   | 8   | 3   | 4   | 8   | 8   | 5   | 5   | 3   | 71    |
| Maine.....        | 1   | 1   | --- | 1   | 1   | --- | 1   | --- | --- | --- | --- | --- | 5     |
| Maryland.....     | --- | 1   | 1   | --- | 1   | 4   | 1   | --- | --- | --- | 1   | --- | 9     |
| Massachusetts.... | 4   | 1   | 1   | --- | 1   | 1   | 1   | 1   | --- | 1   | 1   | 1   | 13    |
| Michigan.....     | 5   | 5   | 2   | 4   | 6   | 8   | 2   | 7   | 11  | 5   | 2   | 6   | 63    |
| Minnesota.....    | 8   | 8   | 10  | 7   | 5   | 5   | 8   | 7   | 13  | 10  | 9   | 10  | 100   |
| Mississippi.....  | 5   | 9   | 5   | 7   | 2   | 10  | 13  | 6   | 1   | 9   | 10  | 3   | 80    |
| Missouri.....     | 11  | 9   | 6   | 7   | 10  | 8   | 5   | 8   | 7   | 7   | 4   | 5   | 87    |
| Montana.....      | 3   | 7   | 8   | 3   | 1   | 3   | 4   | 3   | 5   | 4   | 2   | --- | 43    |
| Nebraska.....     | 4   | 11  | 5   | 9   | 8   | 12  | 5   | 7   | 7   | 6   | 10  | 10  | 94    |
| Nevada.....       | 3   | --- | 4   | --- | --- | --- | 1   | 1   | 2   | 1   | 1   | --- | 13    |
| New Hampshire.... | --- | --- | --- | --- | --- | 2   | --- | --- | 1   | --- | --- | --- | 3     |
| New Jersey.....   | 4   | 7   | 1   | 3   | 4   | 4   | 2   | 3   | 2   | 2   | 2   | --- | 34    |
| New Mexico.....   | 2   | --- | 1   | 3   | 1   | 4   | --- | 2   | 1   | 3   | 3   | --- | 20    |
| New York.....     | 10  | 18  | 7   | 7   | 4   | 10  | 4   | 8   | 7   | 6   | 8   | 7   | 96    |
| North Carolina... | 3   | 2   | 1   | 3   | 6   | 2   | 2   | 2   | 4   | 1   | 3   | 3   | 32    |
| North Dakota..... | 5   | 6   | 4   | 2   | 7   | 2   | --- | 1   | 3   | 2   | 4   | 3   | 39    |
| Ohio.....         | 9   | 11  | 10  | 2   | 4   | 7   | 6   | 4   | 3   | 3   | 5   | 3   | 67    |
| Oklahoma.....     | 3   | 5   | 2   | 2   | 4   | 4   | 4   | 6   | 4   | 5   | 4   | 6   | 49    |
| Oregon.....       | 1   | 4   | 4   | 2   | 3   | 5   | 4   | 1   | 4   | 2   | 2   | 6   | 38    |
| Pennsylvania..... | 9   | 12  | 10  | 5   | 14  | 7   | 9   | 8   | 8   | 11  | 11  | 7   | 111   |
| Rhode Island..... | --- | --- | --- | --- | --- | 1   | --- | --- | --- | 1   | --- | --- | 2     |
| South Carolina... | 2   | 2   | 2   | --- | --- | 1   | --- | --- | 1   | --- | --- | 1   | 9     |
| South Dakota..... | 4   | 1   | 1   | 2   | 5   | --- | 3   | 2   | 3   | 2   | 2   | 4   | 29    |
| Tennessee.....    | 6   | 8   | 4   | 6   | 1   | 3   | 6   | 4   | 3   | 4   | 5   | 4   | 54    |
| Texas.....        | 16  | 19  | 16  | 20  | 20  | 21  | 19  | 26  | 22  | 19  | 19  | 12  | 229   |
| Utah.....         | 3   | 2   | 2   | 2   | 5   | 4   | 2   | 2   | 4   | --- | 6   | 4   | 36    |
| Vermont.....      | --- | --- | --- | --- | 2   | --- | --- | --- | --- | --- | 1   | --- | 3     |
| Virginia.....     | 2   | 4   | 6   | 2   | 1   | 6   | 2   | --- | 3   | 1   | 1   | 3   | 31    |
| Washington.....   | 8   | 2   | 4   | 6   | 5   | 2   | 2   | 6   | 6   | 4   | 10  | 9   | 64    |
| West Virginia.... | 2   | 2   | 2   | --- | 1   | 1   | 2   | 2   | 1   | 1   | 1   | 2   | 17    |
| Wisconsin.....    | 4   | 10  | 4   | 7   | 8   | 10  | 9   | 6   | 2   | 7   | 10  | 7   | 84    |
| Wyoming.....      | 3   | 4   | 2   | 4   | 5   | 4   | 6   | 6   | 4   | 3   | 1   | 5   | 47    |
| Unknown.....      | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---   |
| TOTAL.....        | 233 | 248 | 231 | 212 | 227 | 228 | 224 | 213 | 214 | 196 | 228 | 215 | 2,669 |

TABLE 33: CASUALTIES BY STATE AND TYPE OF ACCIDENT/INCIDENT, 1994

| State              | .....Train Accidents..... |         |         | .....Train Incidents..... |         |         | ...Nontrain Incidents... |         |         | .....Total..... |         |         |
|--------------------|---------------------------|---------|---------|---------------------------|---------|---------|--------------------------|---------|---------|-----------------|---------|---------|
|                    | Killed                    | Injured | Illness | Killed                    | Injured | Illness | Killed                   | Injured | Illness | Killed          | Injured | Illness |
| Alabama.....       | ---                       | 4       | ---     | 17                        | 95      | ---     | ---                      | 131     | 1       | 17              | 230     | 1       |
| Alaska.....        | 1                         | 3       | ---     | 2                         | 3       | 1       | ---                      | 40      | 3       | 3               | 46      | 4       |
| Arizona.....       | ---                       | ---     | ---     | 19                        | 39      | ---     | ---                      | 125     | ---     | 19              | 164     | ---     |
| Arkansas.....      | ---                       | 4       | ---     | 25                        | 112     | ---     | 1                        | 231     | 11      | 26              | 347     | 11      |
| California.....    | 6                         | 22      | ---     | 111                       | 200     | 2       | 2                        | 698     | 24      | 119             | 920     | 26      |
| Colorado.....      | ---                       | 6       | ---     | 21                        | 50      | 2       | ---                      | 173     | 14      | 21              | 229     | 16      |
| Connecticut.....   | ---                       | 11      | 1       | 6                         | 25      | 3       | ---                      | 162     | 2       | 6               | 198     | 6       |
| Delaware.....      | ---                       | 1       | ---     | 2                         | 7       | ---     | ---                      | 66      | ---     | 2               | 74      | ---     |
| Dist of Columbia.  | ---                       | 2       | ---     | 1                         | 9       | ---     | ---                      | 95      | 3       | 1               | 106     | 3       |
| Florida.....       | 3                         | 19      | ---     | 46                        | 124     | ---     | 1                        | 194     | ---     | 50              | 337     | ---     |
| Georgia.....       | 1                         | 4       | ---     | 24                        | 103     | ---     | 1                        | 152     | ---     | 26              | 259     | ---     |
| Idaho.....         | ---                       | ---     | ---     | 14                        | 25      | ---     | 1                        | 73      | 2       | 15              | 98      | 2       |
| Illinois.....      | 6                         | 100     | ---     | 89                        | 281     | 1       | 2                        | 1,042   | 20      | 97              | 1,423   | 21      |
| Indiana.....       | 2                         | 9       | ---     | 38                        | 182     | ---     | ---                      | 343     | 2       | 40              | 534     | 2       |
| Iowa.....          | ---                       | 3       | ---     | 22                        | 105     | ---     | 1                        | 269     | 18      | 23              | 377     | 18      |
| Kansas.....        | 1                         | 4       | ---     | 21                        | 62      | ---     | ---                      | 213     | 9       | 22              | 279     | 9       |
| Kentucky.....      | ---                       | 3       | ---     | 20                        | 53      | ---     | ---                      | 120     | ---     | 20              | 176     | ---     |
| Louisiana.....     | 2                         | 6       | ---     | 28                        | 149     | ---     | ---                      | 170     | ---     | 30              | 325     | ---     |
| Maine.....         | ---                       | ---     | ---     | ---                       | 10      | ---     | ---                      | 46      | ---     | ---             | 56      | ---     |
| Maryland.....      | ---                       | ---     | ---     | 8                         | 34      | ---     | ---                      | 106     | ---     | 8               | 140     | ---     |
| Massachusetts..... | ---                       | 1       | ---     | 12                        | 29      | ---     | 2                        | 169     | ---     | 14              | 199     | ---     |
| Michigan.....      | 1                         | 10      | 1       | 33                        | 112     | 4       | ---                      | 342     | 2       | 34              | 464     | 7       |
| Minnesota.....     | ---                       | 9       | ---     | 22                        | 129     | ---     | ---                      | 358     | 12      | 22              | 496     | 12      |
| Mississippi.....   | 3                         | 15      | ---     | 28                        | 91      | ---     | ---                      | 63      | 1       | 31              | 169     | 1       |
| Missouri.....      | 1                         | 13      | ---     | 24                        | 83      | ---     | ---                      | 271     | 11      | 25              | 367     | 11      |
| Montana.....       | ---                       | 4       | ---     | 6                         | 27      | ---     | ---                      | 106     | 2       | 6               | 137     | 2       |
| Nebraska.....      | 3                         | 7       | ---     | 24                        | 60      | 1       | 1                        | 301     | 17      | 28              | 368     | 18      |
| Nevada.....        | ---                       | ---     | ---     | 3                         | 18      | ---     | ---                      | 30      | 1       | 3               | 48      | 1       |
| New Hampshire..... | ---                       | ---     | ---     | ---                       | ---     | ---     | ---                      | 7       | ---     | ---             | 7       | ---     |
| New Jersey.....    | ---                       | 4       | ---     | 26                        | 91      | 4       | ---                      | 661     | 14      | 26              | 756     | 18      |
| New Mexico.....    | 1                         | 5       | ---     | 12                        | 19      | ---     | ---                      | 72      | 2       | 13              | 96      | 2       |
| New York.....      | 1                         | 80      | ---     | 43                        | 155     | 7       | 3                        | 1,727   | 32      | 47              | 1,962   | 39      |
| North Carolina...  | 1                         | 34      | ---     | 46                        | 79      | ---     | ---                      | 91      | 2       | 47              | 204     | 2       |
| North Dakota.....  | ---                       | 3       | ---     | 5                         | 18      | ---     | ---                      | 92      | 4       | 5               | 113     | 4       |
| Ohio.....          | 1                         | 9       | ---     | 51                        | 147     | ---     | 2                        | 439     | 1       | 54              | 595     | 1       |
| Oklahoma.....      | 2                         | 10      | ---     | 18                        | 87      | ---     | 1                        | 98      | 3       | 21              | 195     | 3       |
| Oregon.....        | ---                       | 1       | ---     | 9                         | 63      | 1       | 1                        | 178     | 5       | 10              | 242     | 6       |
| Pennsylvania.....  | ---                       | 10      | ---     | 30                        | 140     | 2       | 5                        | 904     | 12      | 35              | 1,054   | 14      |
| Rhode Island.....  | ---                       | ---     | ---     | ---                       | 1       | ---     | ---                      | 34      | ---     | ---             | 35      | ---     |
| South Carolina...  | ---                       | 3       | ---     | 25                        | 49      | ---     | ---                      | 86      | ---     | 25              | 138     | ---     |
| South Dakota.....  | ---                       | ---     | ---     | 1                         | 15      | ---     | ---                      | 39      | 2       | 1               | 54      | 2       |
| Tennessee.....     | 2                         | 2       | ---     | 16                        | 46      | ---     | ---                      | 144     | ---     | 18              | 192     | ---     |
| Texas.....         | 5                         | 19      | ---     | 109                       | 411     | 2       | 3                        | 633     | 8       | 117             | 1,063   | 10      |
| Utah.....          | ---                       | 1       | ---     | 20                        | 17      | 1       | ---                      | 85      | 1       | 20              | 103     | 2       |
| Vermont.....       | ---                       | ---     | ---     | ---                       | 2       | ---     | ---                      | 26      | ---     | ---             | 28      | ---     |
| Virginia.....      | 2                         | 8       | ---     | 20                        | 43      | ---     | 2                        | 163     | ---     | 24              | 214     | ---     |
| Washington.....    | ---                       | 5       | ---     | 16                        | 65      | ---     | 3                        | 239     | 5       | 19              | 309     | 5       |
| West Virginia....  | ---                       | 1       | ---     | 9                         | 28      | ---     | ---                      | 78      | ---     | 9               | 107     | ---     |
| Wisconsin.....     | ---                       | 3       | ---     | 19                        | 124     | 1       | ---                      | 263     | 5       | 19              | 390     | 6       |
| Wyoming.....       | ---                       | ---     | ---     | 8                         | 8       | ---     | ---                      | 95      | 1       | 8               | 103     | 1       |
| Unknown.....       | ---                       | ---     | ---     | ---                       | ---     | ---     | ---                      | ---     | ---     | ---             | ---     | ---     |
| TOTAL.....         | 45                        | 458     | 2       | 1,149                     | 3,825   | 32      | 32                       | 12,243  | 252     | 1,226           | 16,526  | 286     |

TABLE 34. TRAIN ACCIDENT AND TRAIN INCIDENT FATALITIES TO TRESPASSERS AND NONTRESPASSERS, 1994

| State                 | Trespassers |       |         |       | Nontrespassers |       |         |       | Total |       |         |       |
|-----------------------|-------------|-------|---------|-------|----------------|-------|---------|-------|-------|-------|---------|-------|
|                       | Child       | Adult | Unknown | Total | Child          | Adult | Unknown | Total | Child | Adult | Unknown | Total |
| Alabama.....          | 2           | 4     | ---     | 6     | ---            | 11    | ---     | 11    | 2     | 15    | ---     | 17    |
| Alaska.....           | ---         | ---   | ---     | ---   | ---            | 2     | ---     | 2     | ---   | 2     | ---     | 2     |
| Arizona.....          | 1           | 9     | 5       | 15    | ---            | 2     | 1       | 3     | 1     | 11    | 6       | 18    |
| Arkansas.....         | ---         | 4     | ---     | 4     | 3              | 17    | ---     | 20    | 3     | 21    | ---     | 24    |
| California.....       | 8           | 55    | 37      | 100   | 2              | 12    | 2       | 16    | 10    | 67    | 39      | 116   |
| Colorado.....         | ---         | 5     | 5       | 10    | ---            | 10    | ---     | 10    | ---   | 15    | 5       | 20    |
| Connecticut.....      | ---         | 6     | ---     | 6     | ---            | ---   | ---     | ---   | ---   | 6     | ---     | 6     |
| Delaware.....         | ---         | 2     | ---     | 2     | ---            | ---   | ---     | ---   | ---   | 2     | ---     | 2     |
| Dist of Columbia..... | ---         | 1     | ---     | 1     | ---            | ---   | ---     | ---   | ---   | 1     | ---     | 1     |
| Florida.....          | 4           | 34    | 3       | 41    | 1              | 5     | ---     | 6     | 5     | 39    | 3       | 47    |
| Georgia.....          | 1           | 12    | ---     | 13    | 1              | 10    | ---     | 11    | 2     | 22    | ---     | 24    |
| Idaho.....            | ---         | 4     | ---     | 4     | ---            | 9     | ---     | 9     | ---   | 13    | ---     | 13    |
| Illinois.....         | 7           | 46    | 10      | 63    | 3              | 27    | 2       | 32    | 10    | 73    | 12      | 95    |
| Indiana.....          | 1           | 9     | 5       | 15    | 5              | 17    | 3       | 25    | 6     | 26    | 8       | 40    |
| Iowa.....             | ---         | 8     | ---     | 8     | 1              | 13    | ---     | 14    | 1     | 21    | ---     | 22    |
| Kansas.....           | ---         | 5     | 1       | 6     | 1              | 14    | 1       | 16    | 1     | 19    | 2       | 22    |
| Kentucky.....         | ---         | 13    | ---     | 13    | 3              | 4     | ---     | 7     | 3     | 17    | ---     | 20    |
| Louisiana.....        | ---         | 12    | 1       | 13    | 1              | 15    | ---     | 16    | 1     | 27    | 1       | 29    |
| Maine.....            | ---         | ---   | ---     | ---   | ---            | ---   | ---     | ---   | ---   | ---   | ---     | ---   |
| Maryland.....         | ---         | 8     | ---     | 8     | ---            | ---   | ---     | ---   | ---   | 8     | ---     | 8     |
| Massachusetts.....    | ---         | 9     | 3       | 12    | ---            | ---   | ---     | ---   | ---   | 9     | 3       | 12    |
| Michigan.....         | 1           | 11    | 1       | 13    | 3              | 17    | 1       | 21    | 4     | 28    | 2       | 34    |
| Minnesota.....        | 2           | 8     | ---     | 10    | 1              | 11    | ---     | 12    | 3     | 19    | ---     | 22    |
| Mississippi.....      | 2           | 3     | ---     | 5     | 1              | 21    | 3       | 25    | 3     | 24    | 3       | 30    |
| Missouri.....         | ---         | 14    | ---     | 14    | ---            | 11    | ---     | 11    | ---   | 25    | ---     | 25    |
| Montana.....          | 1           | 2     | 1       | 4     | ---            | 1     | ---     | 1     | 1     | 3     | 1       | 5     |
| Nebraska.....         | ---         | 8     | ---     | 8     | 1              | 14    | ---     | 15    | 1     | 22    | ---     | 23    |
| Nevada.....           | ---         | 1     | 2       | 3     | ---            | ---   | ---     | ---   | ---   | 1     | 2       | 3     |
| New Hampshire.....    | ---         | ---   | ---     | ---   | ---            | ---   | ---     | ---   | ---   | ---   | ---     | ---   |
| New Jersey.....       | 2           | 10    | 10      | 22    | ---            | 3     | 1       | 4     | 2     | 13    | 11      | 26    |
| New Mexico.....       | ---         | 6     | 2       | 8     | ---            | 3     | 1       | 4     | ---   | 9     | 3       | 12    |
| New York.....         | 3           | 17    | 11      | 31    | 2              | 3     | 5       | 10    | 5     | 20    | 16      | 41    |
| North Carolina.....   | ---         | 33    | 4       | 37    | 1              | 8     | ---     | 9     | 1     | 41    | 4       | 46    |
| North Dakota.....     | 1           | 1     | 1       | 3     | ---            | 2     | ---     | 2     | 1     | 3     | 1       | 5     |
| Ohio.....             | 2           | 19    | ---     | 21    | 1              | 22    | 8       | 31    | 3     | 41    | 8       | 52    |
| Oklahoma.....         | 1           | 3     | ---     | 4     | ---            | 16    | ---     | 16    | 1     | 19    | ---     | 20    |
| Oregon.....           | 2           | 4     | 1       | 7     | ---            | 2     | ---     | 2     | 2     | 6     | 1       | 9     |
| Pennsylvania.....     | ---         | 11    | 4       | 15    | 3              | 7     | 4       | 14    | 3     | 18    | 8       | 29    |
| Rhode Island.....     | ---         | ---   | ---     | ---   | ---            | ---   | ---     | ---   | ---   | ---   | ---     | ---   |
| South Carolina.....   | ---         | 12    | 2       | 14    | ---            | 11    | ---     | 11    | ---   | 23    | 2       | 25    |
| South Dakota.....     | ---         | ---   | ---     | ---   | ---            | 1     | ---     | 1     | ---   | 1     | ---     | 1     |
| Tennessee.....        | 1           | 5     | ---     | 6     | 6              | 6     | ---     | 12    | 7     | 11    | ---     | 18    |
| Texas.....            | 2           | 47    | 3       | 52    | 4              | 49    | 1       | 54    | 6     | 96    | 4       | 106   |
| Utah.....             | ---         | 5     | ---     | 5     | 1              | 13    | 1       | 15    | 1     | 18    | 1       | 20    |
| Vermont.....          | ---         | ---   | ---     | ---   | ---            | ---   | ---     | ---   | ---   | ---   | ---     | ---   |
| Virginia.....         | ---         | 17    | 1       | 18    | ---            | 4     | ---     | 4     | ---   | 21    | 1       | 22    |
| Washington.....       | 1           | 12    | ---     | 13    | ---            | 3     | ---     | 3     | 1     | 15    | ---     | 16    |
| West Virginia.....    | ---         | 5     | ---     | 5     | ---            | 3     | ---     | 3     | ---   | 8     | ---     | 8     |
| Wisconsin.....        | ---         | 5     | 1       | 6     | ---            | 13    | ---     | 13    | ---   | 18    | 1       | 19    |
| Wyoming.....          | ---         | 3     | ---     | 3     | 4              | 1     | ---     | 5     | 4     | 4     | ---     | 8     |
| Unknown.....          | ---         | ---   | ---     | ---   | ---            | ---   | ---     | ---   | ---   | ---   | ---     | ---   |
| TOTAL.....            | 45          | 508   | 114     | 667   | 49             | 413   | 34      | 496   | 94    | 921   | 148     | 1,163 |

TABLE 35. TRAIN ACCIDENT AND TRAIN INCIDENT NONFATAL CASUALTIES TO TRESPASSERS AND NONTRESPASSERS, 1994

| State                 | .....Trespassers..... |       |         |       | .....Nontrespassers..... |       |         |       | .....Total..... |       |         |       |
|-----------------------|-----------------------|-------|---------|-------|--------------------------|-------|---------|-------|-----------------|-------|---------|-------|
|                       | Child                 | Adult | Unknown | Total | Child                    | Adult | Unknown | Total | Child           | Adult | Unknown | Total |
| Alabama.....          | 4                     | 6     | ---     | 10    | 4                        | 68    | ---     | 72    | 8               | 74    | ---     | 82    |
| Alaska.....           | ---                   | ---   | ---     | ---   | ---                      | ---   | 1       | 1     | ---             | ---   | 1       | 1     |
| Arizona.....          | 3                     | 11    | ---     | 14    | ---                      | 5     | 3       | 8     | 3               | 16    | 3       | 22    |
| Arkansas.....         | 1                     | 10    | ---     | 11    | 5                        | 49    | ---     | 54    | 6               | 59    | ---     | 65    |
| California.....       | 6                     | 34    | 10      | 50    | 6                        | 37    | 2       | 45    | 12              | 71    | 12      | 95    |
| Colorado.....         | ---                   | 10    | ---     | 10    | ---                      | 8     | 1       | 9     | ---             | 18    | 1       | 19    |
| Connecticut.....      | ---                   | 4     | ---     | 4     | ---                      | 2     | ---     | 2     | ---             | 6     | ---     | 6     |
| Delaware.....         | ---                   | 2     | 1       | 3     | ---                      | ---   | 2       | 2     | ---             | 2     | 3       | 5     |
| Dist of Columbia..... | ---                   | ---   | ---     | ---   | ---                      | ---   | ---     | ---   | ---             | ---   | ---     | ---   |
| Florida.....          | 1                     | 53    | 1       | 55    | 2                        | 15    | ---     | 17    | 3               | 68    | 1       | 72    |
| Georgia.....          | 2                     | 20    | ---     | 22    | 7                        | 36    | 2       | 45    | 9               | 56    | 2       | 67    |
| Idaho.....            | 1                     | 2     | ---     | 3     | ---                      | 9     | ---     | 9     | 1               | 11    | ---     | 12    |
| Illinois.....         | 6                     | 57    | 10      | 73    | 13                       | 61    | 3       | 77    | 19              | 118   | 13      | 150   |
| Indiana.....          | 2                     | 29    | 6       | 37    | 16                       | 70    | 7       | 93    | 18              | 99    | 13      | 130   |
| Iowa.....             | 3                     | 8     | 2       | 13    | 7                        | 38    | 2       | 47    | 10              | 46    | 4       | 60    |
| Kansas.....           | ---                   | 7     | 2       | 9     | ---                      | 25    | 3       | 28    | ---             | 32    | 5       | 37    |
| Kentucky.....         | ---                   | 5     | 3       | 8     | 4                        | 32    | ---     | 36    | 4               | 37    | 3       | 44    |
| Louisiana.....        | 1                     | 14    | 2       | 17    | 16                       | 78    | 3       | 97    | 17              | 92    | 5       | 114   |
| Maine.....            | ---                   | ---   | ---     | ---   | ---                      | 2     | 1       | 3     | ---             | 2     | 1       | 3     |
| Maryland.....         | ---                   | 6     | ---     | 6     | ---                      | 5     | 1       | 6     | ---             | 11    | 1       | 12    |
| Massachusetts.....    | ---                   | 1     | 3       | 4     | ---                      | 2     | 2       | 4     | ---             | 3     | 5       | 8     |
| Michigan.....         | 6                     | 20    | 1       | 27    | 2                        | 46    | 6       | 54    | 8               | 66    | 7       | 81    |
| Minnesota.....        | 4                     | 18    | ---     | 22    | 2                        | 41    | 2       | 45    | 6               | 59    | 2       | 67    |
| Mississippi.....      | ---                   | 9     | 1       | 10    | 1                        | 53    | 5       | 59    | 1               | 62    | 6       | 69    |
| Missouri.....         | ---                   | 11    | ---     | 11    | 4                        | 33    | ---     | 37    | 4               | 44    | ---     | 48    |
| Montana.....          | ---                   | 4     | 1       | 5     | ---                      | 6     | ---     | 6     | ---             | 10    | 1       | 11    |
| Nebraska.....         | ---                   | 3     | 1       | 4     | 1                        | 20    | ---     | 21    | 1               | 23    | 1       | 25    |
| Nevada.....           | 1                     | 5     | ---     | 6     | ---                      | 2     | ---     | 2     | 1               | 7     | ---     | 8     |
| New Hampshire.....    | ---                   | ---   | ---     | ---   | ---                      | ---   | ---     | ---   | ---             | ---   | ---     | ---   |
| New Jersey.....       | 1                     | 5     | 5       | 11    | 1                        | 7     | 1       | 9     | 2               | 12    | 6       | 20    |
| New Mexico.....       | ---                   | 2     | 1       | 3     | ---                      | 9     | ---     | 9     | ---             | 11    | 1       | 12    |
| New York.....         | 2                     | 13    | 6       | 21    | 1                        | 8     | 1       | 10    | 3               | 21    | 7       | 31    |
| North Carolina.....   | 1                     | 20    | 1       | 22    | 3                        | 41    | ---     | 44    | 4               | 61    | 1       | 66    |
| North Dakota.....     | ---                   | 1     | ---     | 1     | ---                      | 6     | ---     | 6     | ---             | 7     | ---     | 7     |
| Ohio.....             | 5                     | 21    | 6       | 32    | 3                        | 54    | 5       | 62    | 8               | 75    | 11      | 94    |
| Oklahoma.....         | ---                   | 7     | ---     | 7     | 8                        | 52    | 2       | 62    | 8               | 59    | 2       | 69    |
| Oregon.....           | 3                     | 4     | ---     | 7     | ---                      | 10    | 1       | 11    | 3               | 14    | 1       | 18    |
| Pennsylvania.....     | 2                     | 8     | 4       | 14    | 1                        | 12    | 6       | 19    | 3               | 20    | 10      | 33    |
| Rhode Island.....     | ---                   | ---   | ---     | ---   | ---                      | 1     | ---     | 1     | ---             | 1     | ---     | 1     |
| South Carolina.....   | 1                     | 10    | ---     | 11    | 4                        | 26    | ---     | 30    | 5               | 36    | ---     | 41    |
| South Dakota.....     | ---                   | 3     | ---     | 3     | 1                        | 5     | 4       | 10    | 1               | 8     | 4       | 13    |
| Tennessee.....        | 2                     | 7     | 1       | 10    | 3                        | 19    | 1       | 23    | 5               | 26    | 2       | 33    |
| Texas.....            | 10                    | 77    | 1       | 88    | 16                       | 164   | 9       | 189   | 26              | 241   | 10      | 277   |
| Utah.....             | ---                   | ---   | ---     | ---   | 1                        | 4     | ---     | 5     | 1               | 4     | ---     | 5     |
| Vermont.....          | ---                   | ---   | ---     | ---   | ---                      | 1     | ---     | 1     | ---             | 1     | ---     | 1     |
| Virginia.....         | 1                     | 3     | 1       | 5     | ---                      | 18    | ---     | 18    | 1               | 21    | 1       | 23    |
| Washington.....       | 1                     | 15    | ---     | 16    | 2                        | 15    | ---     | 17    | 3               | 30    | ---     | 33    |
| West Virginia.....    | 1                     | 10    | 1       | 12    | ---                      | 7     | 2       | 9     | 1               | 17    | 3       | 21    |
| Wisconsin.....        | 3                     | 9     | 1       | 13    | 4                        | 60    | 2       | 66    | 7               | 69    | 3       | 79    |
| Wyoming.....          | ---                   | ---   | ---     | ---   | ---                      | 1     | ---     | 1     | ---             | 1     | ---     | 1     |
| Unknown.....          | ---                   | ---   | ---     | ---   | ---                      | ---   | ---     | ---   | ---             | ---   | ---     | ---   |
| TOTAL.....            | 74                    | 564   | 72      | 710   | 138                      | 1,263 | 80      | 1,481 | 212             | 1,827 | 152     | 2,191 |

TABLE 36. SUMMARY OF TRAIN-MILES OPERATED, 1994

| RAILROAD  | LOCOMOTIVE<br>TRAIN<br>MILES | MOTOR<br>TRAIN<br>MILES | YARD/SWITCH<br>TRAIN<br>MILES | TOTAL<br>TRAIN<br>MILES | TOTAL<br>EMPLOYEE<br>HOURS | PASSENGER*<br>MILES | REVENUE<br>PASSENGER |
|---|------------------------------|-------------------------|-------------------------------|-------------------------|----------------------------|---------------------|----------------------|
| <b>CLASS I RAILROADS</b>  |                              |                         |                               |                         |                            |                     |                      |
| Amtrak (Nat'l Railroad Passenger Co.)                                   | 35,258,724                   | 5,501,475               | 2,306,640                     | 43,066,839              | 49,017,343                 | 6,215,432,234       | 39,922,840           |
| Atchison, Topeka & Santa Fe Railway                                     | 46,560,811                   | 0                       | 4,314,616                     | 50,875,427              | 28,465,380                 | 0                   | 0                    |
| Burlington Northern Railroad Co.  | 76,621,283                   | 0                       | 13,967,146                    | 90,588,429              | 59,643,917                 | 272,036,431         | 13,079,599           |
| Chicago and North Western Railway Co.                                   | 16,827,753                   | 0                       | 3,521,676                     | 20,349,429              | 14,459,425                 | 550,468,672         | 24,877,546           |
| Consolidated Rail Corp.   | 37,677,936                   | 0                       | 10,024,314                    | 47,702,250              | 48,325,790                 | 0                   | 0                    |
| CSX Transportation  | 68,482,076                   | 0                       | 12,062,856                    | 80,544,932              | 58,343,504                 | 74,142,232          | 2,144,848            |
| Denver & Rio Grande Western Railroad                                    | 6,507,693                    | 0                       | 0                             | 6,507,693               | 4,618,824                  | 0                   | 0                    |
| Grand Trunk Western Railroad Inc.                                       | 3,631,944                    | 0                       | 1,517,178                     | 5,149,122               | 5,781,462                  | 0                   | 0                    |
| Illinois Central Railroad Co.   | 7,179,088                    | 0                       | 1,431,921                     | 8,611,009               | 6,808,724                  | 0                   | 0                    |
| Kansas City Southern Railway Co.  | 5,741,632                    | 0                       | 1,243,755                     | 6,985,387               | 5,394,981                  | 0                   | 0                    |
| Norfolk Southern Corp.  | 50,304,149                   | 0                       | 8,446,302                     | 58,750,451              | 47,282,976                 | 0                   | 0                    |
| Soo Line Railroad Co.   | 7,441,437                    | 0                       | 1,869,726                     | 9,311,163               | 8,361,930                  | 0                   | 0                    |
| Southern Pacific Transportation Co.                                     | 32,754,000                   | 0                       | 6,289,395                     | 39,043,395              | 29,321,028                 | 0                   | 0                    |
| St. Louis Southwestern Railway Co.                                      | 9,075,560                    | 0                       | 409,252                       | 9,484,812               | 4,495,365                  | 0                   | 0                    |
| Union Pacific Railroad Co.  | 86,582,953                   | 0                       | 9,493,026                     | 96,075,979              | 55,807,358                 | 0                   | 0                    |
| Total Class I Railroads.....  | 490,647,039                  | 5,501,475               | 76,897,803                    | 573,046,317             | 426,128,007                | 7,112,079,569       | 80,024,833           |
| <b>GROUP II RAILROADS **</b>  |                              |                         |                               |                         |                            |                     |                      |
| Alton & Southern Railroad   | 0                            | 0                       | 744,291                       | 744,291                 | 695,297                    | 0                   | 0                    |
| Alaska Railroad Corp.   | 699,768                      | 18,444                  | 141,191                       | 859,403                 | 1,022,019                  | 13,611,566          | 449,220              |
| Bangor & Aroostook Railroad   | 350,338                      | 0                       | 67,437                        | 417,775                 | 663,607                    | 0                   | 0                    |
| Bessemer & Lake Erie Railroad Co.                                       | 182,716                      | 0                       | 14,615                        | 197,331                 | 645,641                    | 0                   | 0                    |
| Belt Railway Co. Of Chicago   | 45,847                       | 0                       | 327,889                       | 373,736                 | 1,198,603                  | 0                   | 0                    |
| Birmingham Southern Railroad Co.  | 76,878                       | 0                       | 17,412                        | 94,290                  | 436,603                    | 0                   | 0                    |
| Chicago, Central & Pacific Railroad Co.                                 | 895,497                      | 0                       | 32,904                        | 928,401                 | 904,939                    | 0                   | 0                    |
| Cuyahoga Valley Railway Co.   | 0                            | 0                       | 33,247                        | 33,247                  | 400,630                    | 0                   | 0                    |
| Delaware & Hudson Railway Co.   | 2,003,000                    | 0                       | 52,180                        | 2,055,180               | 1,494,466                  | 0                   | 0                    |
| Dakota, Minnesota & Eastern Railroad                                    | 640,861                      | 0                       | 0                             | 640,861                 | 543,026                    | 0                   | 0                    |
| Duluth, Missabe & Iron Range Railway                                    | 628,177                      | 0                       | 95,532                        | 723,709                 | 1,240,406                  | 0                   | 0                    |
| Elgin, Joliet & Eastern Railway Co.                                     | 276,761                      | 0                       | 293,769                       | 570,530                 | 1,493,838                  | 0                   | 0                    |
| Florida East Coast Railway Co.  | 3,116,102                    | 0                       | 557,332                       | 3,673,434               | 1,962,381                  | 0                   | 0                    |
| Fox Valley & Western Ltd.   | 299,087                      | 0                       | 214,128                       | 513,215                 | 469,358                    | 0                   | 0                    |
| Gateway Western Railway   | 693,509                      | 0                       | 186,237                       | 879,746                 | 478,497                    | 0                   | 0                    |
| Houston Belt & Terminal Railway Co.                                     | 0                            | 0                       | 870,084                       | 870,084                 | 899,352                    | 0                   | 0                    |
| Indiana Harbor Belt Railroad Co.  | 1,287,574                    | 0                       | 0                             | 1,287,574               | 1,646,718                  | 0                   | 0                    |
| Long Island Rail Road   | 1,697,700                    | 6,331,200               | 112,469                       | 8,141,369               | 12,294,503                 | 2,044,565,487       | 73,208,548           |
| Metro North Commuter Railroad Co.                                       | 1,950,663                    | 5,398,867               | 24,543                        | 7,374,073               | 10,765,789                 | 1,744,226,926       | 60,655,695           |
| Montana Rail Link   | 3,402,570                    | 0                       | 121,519                       | 3,524,089               | 1,857,550                  | 0                   | 0                    |
| Northern Indiana Commuter Trans.  | 0                            | 712,722                 | 0                             | 712,722                 | 498,767                    | 99,534,383          | 3,479,497            |
| Northeast Illinois Regional Comuter                                     | 3,162,998                    | 0                       | 70,690                        | 3,233,688               | 4,720,979                  | 677,498,606         | 32,998,898           |
| New Jersey Transit Rail Operations                                      | 2,834,079                    | 4,065,773               | 543,141                       | 7,442,993               | 7,345,156                  | 1,093,816,688       | 45,311,221           |
| Paducah & Louisville Railway Co.  | 541,708                      | 0                       | 139,654                       | 681,362                 | 632,404                    | 0                   | 0                    |
| Port Authority Trans Hudson   | 0                            | 1,588,625               | 87,432                        | 1,676,057               | 2,148,459                  | 280,857,134         | 59,171,000           |
| Port Terminal Railroad Association                                      | 0                            | 0                       | 1,058,496                     | 1,058,496               | 803,718                    | 0                   | 0                    |
| Southeastern Pennsylvania Transportat                                   | 0                            | 4,964,483               | 0                             | 4,964,483               | 3,313,114                  | 290,514,727         | 21,361,377           |
| Southern Pacific, Chicago-St. Louis                                     | 1,829,507                    | 0                       | 0                             | 1,829,507               | 547,129                    | 0                   | 0                    |
| Springfield Terminal Railway Co.  | 953,109                      | 0                       | 120,042                       | 1,073,151               | 2,183,724                  | 0                   | 0                    |
| Texas Mexican Railway Co.   | 111,687                      | 0                       | 113,643                       | 225,330                 | 460,353                    | 0                   | 0                    |
| Terminal Railroad Assoc. Of State Dock                                  | 0                            | 0                       | 501,008                       | 501,008                 | 580,726                    | 0                   | 0                    |
| Union Railroad Co. (Pittsburgh)   | 0                            | 0                       | 153,964                       | 153,964                 | 731,897                    | 0                   | 0                    |
| Wisconsin Central Ltd. (also Railway)                                   | 2,918,599                    | 0                       | 676,794                       | 3,595,393               | 3,172,142                  | 76,824              | 350                  |
| Wheeling & Lake Erie Railway Co.  | 450,114                      | 0                       | 137,932                       | 588,046                 | 722,699                    | 0                   | 0                    |
| Total Group II Railroads **.....  | 31,048,849                   | 23,080,114              | 7,509,575                     | 61,638,538              | 68,974,490                 | 6,244,702,341       | 296,635,806          |
| <b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b> |                              |                         |                               |                         |                            |                     |                      |
| Class I Railroads   | 490,647,039                  | 5,501,475               | 76,897,803                    | 573,046,317             | 426,128,007                | 7,112,079,569       | 80,024,833           |
| Group II Railroads **   | 31,048,849                   | 23,080,114              | 7,509,575                     | 61,638,538              | 68,974,490                 | 6,244,702,341       | 296,635,806          |
| all Other Railroads   | 14,946,975                   | 82,560                  | 5,368,666                     | 20,398,201              | 23,531,559                 | 689,090,115         | 16,939,358           |
| Total All Railroads   | 536,642,863                  | 28,664,149              | 89,776,044                    | 655,083,056             | 518,634,056                | 14,045,872,025      | 393,599,997          |

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

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

TABLE 37. PART I: INVOLVEMENT IN TRAIN ACCIDENTS BY RAILROAD, TYPE AND CAUSE, 1994

| Railroad  | <<.....COLLISIONS.....>> |       |       |       |       | <<.....D E R A I L M E N T S.....>> |       |       |       |       |       |             |
|---|--------------------------|-------|-------|-------|-------|-------------------------------------|-------|-------|-------|-------|-------|-------------|
|   | Human                    | Equip | Track | Other | Total | Damages                             | Human | Equip | Track | Other | Total | Damages     |
| <b>CLASS I RAILROADS</b>  |                          |       |       |       |       |                                     |       |       |       |       |       |             |
| Amtrak (Nat'l. Railroad Passenger Corp.)                                | 8                        | 2     | 0     | 2     | 12    | 4,447,546                           | 6     | 5     | 26    | 3     | 40    | 2,548,486   |
| Atchison, Topeka & Santa Fe Railway                                     | 17                       | 1     | 0     | 1     | 19    | 4,320,667                           | 17    | 13    | 38    | 12    | 80    | 6,223,111   |
| Burlington Northern Railroad Co.  | 10                       | 2     | 0     | 4     | 16    | 3,251,718                           | 64    | 58    | 125   | 44    | 291   | 28,066,482  |
| Chicago and North Western Railway Co.                                   | 6                        | 0     | 0     | 0     | 6     | 146,765                             | 17    | 12    | 32    | 13    | 74    | 2,212,793   |
| Consolidated Rail Corp.....   | 12                       | 0     | 0     | 1     | 13    | 1,195,670                           | 56    | 22    | 47    | 23    | 148   | 9,900,253   |
| CSX Transportation  | 24                       | 0     | 1     | 4     | 29    | 873,308                             | 20    | 9     | 30    | 31    | 90    | 8,974,756   |
| Denver & Rio Grande Western Railroad                                    | 5                        | 0     | 0     | 0     | 5     | 96,000                              | 3     | 0     | 9     | 6     | 18    | 2,482,313   |
| Grand Trunk Western Railroad Inc.                                       | 2                        | 0     | 1     | 0     | 3     | 76,595                              | 19    | 5     | 22    | 3     | 49    | 1,520,209   |
| Illinois Central Railroad Co.   | 9                        | 0     | 0     | 0     | 9     | 1,410,903                           | 7     | 8     | 31    | 2     | 48    | 3,676,213   |
| Kansas City Southern Railway Co.  | 9                        | 0     | 1     | 0     | 10    | 1,401,721                           | 7     | 8     | 39    | 15    | 69    | 3,055,249   |
| Norfolk Southern Corp.....  | 19                       | 0     | 0     | 0     | 19    | 592,500                             | 26    | 10    | 23    | 16    | 75    | 3,356,572   |
| Soo Line Railroad Co.   | 3                        | 0     | 0     | 0     | 3     | 189,413                             | 15    | 7     | 36    | 6     | 64    | 1,956,189   |
| Southern Pacific Transportation Co.                                     | 16                       | 0     | 0     | 0     | 16    | 5,979,458                           | 24    | 13    | 49    | 20    | 106   | 8,263,183   |
| St. Louis Southwestern Railway Co.                                      | 4                        | 0     | 0     | 0     | 4     | 144,150                             | 5     | 1     | 14    | 7     | 27    | 975,734     |
| Union Pacific Railroad Co.  | 18                       | 1     | 3     | 1     | 23    | 2,589,111                           | 106   | 52    | 119   | 23    | 300   | 21,958,240  |
| Total Class I Railroads.....  | 162                      | 6     | 6     | 13    | 187   | 26,715,525                          | 392   | 223   | 640   | 224   | 1,479 | 105,169,783 |
| <b>GROUP II RAILROADS **</b>  |                          |       |       |       |       |                                     |       |       |       |       |       |             |
| Alton & Southern Railroad   | 2                        | 0     | 0     | 1     | 3     | 25,663                              | 7     | 1     | 2     | 1     | 11    | 142,997     |
| Alaska Railroad Corp.   | 0                        | 0     | 0     | 0     | 0     | 0                                   | 1     | 0     | 1     | 0     | 2     | 150,000     |
| Bangor & Aroostook Railroad   | 0                        | 0     | 0     | 0     | 0     | 0                                   | 0     | 2     | 0     | 0     | 2     | 149,068     |
| Bessemer & Lake Erie Railroad Co.                                       | 0                        | 0     | 0     | 0     | 0     | 0                                   | 0     | 0     | 1     | 0     | 1     | 8,572       |
| Belt Railway Co. Of Chicago   | 8                        | 1     | 5     | 5     | 19    | 428,016                             | 6     | 3     | 26    | 3     | 38    | 443,288     |
| Birmingham Southern Railroad Co.  | 0                        | 0     | 0     | 0     | 0     | 0                                   | 0     | 0     | 0     | 0     | 0     | 0           |
| Chicago, Central & Pacific Railroad Co.                                 | 2                        | 0     | 0     | 0     | 2     | 12,939                              | 0     | 1     | 6     | 1     | 8     | 411,092     |
| Cuyahoga Valley Railway Co.   | 0                        | 0     | 0     | 0     | 0     | 0                                   | 0     | 0     | 0     | 0     | 0     | 0           |
| Delaware & Hudson Railway Co.   | 0                        | 0     | 1     | 1     | 2     | 50,000                              | 0     | 0     | 7     | 1     | 8     | 1,209,550   |
| Dakota, Minnesota & Eastern Railroad                                    | 0                        | 0     | 0     | 0     | 0     | 0                                   | 7     | 3     | 22    | 2     | 34    | 1,863,548   |
| Duluth, Missabe & Iron Range Railway                                    | 0                        | 0     | 0     | 0     | 0     | 0                                   | 0     | 0     | 6     | 0     | 6     | 154,859     |
| Elgin, Joliet & Eastern Railway Co.                                     | 1                        | 0     | 0     | 0     | 1     | 33,641                              | 3     | 1     | 2     | 0     | 6     | 109,901     |
| Florida East Coast Railway Co.  | 2                        | 0     | 0     | 0     | 2     | 156,311                             | 1     | 0     | 3     | 1     | 5     | 48,592      |
| Fox Valley & Western Ltd.   | 0                        | 0     | 0     | 0     | 0     | 0                                   | 2     | 0     | 8     | 0     | 10    | 110,463     |
| Gateway Western Railway   | 2                        | 0     | 0     | 0     | 2     | 83,000                              | 2     | 2     | 2     | 0     | 6     | 170,006     |
| Houston Belt & Terminal Railway Co.                                     | 3                        | 0     | 0     | 0     | 3     | 27,000                              | 3     | 2     | 1     | 0     | 6     | 46,681      |
| Indiana Harbor Belt Railroad Co.  | 6                        | 0     | 0     | 0     | 6     | 100,611                             | 8     | 1     | 2     | 1     | 12    | 168,703     |
| Long Island Rail Road   | 4                        | 0     | 0     | 0     | 4     | 1,096,946                           | 5     | 2     | 8     | 4     | 19    | 1,188,588   |
| Metro North Commuter Railroad Co.                                       | 3                        | 0     | 0     | 0     | 3     | 596,189                             | 1     | 0     | 0     | 1     | 2     | 50,500      |
| Montana Rail Link   | 3                        | 0     | 0     | 1     | 4     | 40,500                              | 5     | 4     | 6     | 0     | 15    | 369,018     |
| Northern Indiana Commuter Trans.  | 0                        | 0     | 0     | 0     | 0     | 0                                   | 0     | 0     | 1     | 0     | 1     | 30,600      |
| Northeast Illinois Regional Comuter                                     | 0                        | 0     | 0     | 0     | 0     | 0                                   | 0     | 0     | 1     | 0     | 1     | 48,000      |
| New Jersey Transit Rail Operations                                      | 2                        | 0     | 0     | 0     | 2     | 303,000                             | 3     | 1     | 1     | 0     | 5     | 633,294     |
| Paducah & Louisville Railway Co.  | 0                        | 0     | 0     | 0     | 0     | 0                                   | 0     | 0     | 0     | 0     | 0     | 0           |
| Port Authority Trans Hudson   | 0                        | 0     | 0     | 0     | 0     | 0                                   | 0     | 0     | 0     | 0     | 0     | 0           |
| Port Terminal Railroad Assoc.   | 7                        | 0     | 0     | 0     | 7     | 293,296                             | 0     | 0     | 0     | 0     | 0     | 0           |
| Southeastern Pennsylvania Trans.  | 1                        | 0     | 0     | 1     | 2     | 86,075                              | 0     | 0     | 0     | 0     | 0     | 0           |
| Southern Pacific, Chicago-St. Louis Co.                                 | 0                        | 0     | 0     | 0     | 0     | 0                                   | 2     | 1     | 5     | 0     | 8     | 60,410      |
| Springfield Terminal Railway Co.  | 0                        | 0     | 0     | 0     | 0     | 0                                   | 0     | 3     | 2     | 0     | 5     | 302,125     |
| Texas Mexican Railway Co.   | 0                        | 0     | 0     | 0     | 0     | 0                                   | 0     | 1     | 1     | 0     | 2     | 33,400      |
| Terminal Railroad Assoc. Of State Dock                                  | 0                        | 0     | 0     | 0     | 0     | 0                                   | 2     | 2     | 13    | 0     | 17    | 615,964     |
| Union Railroad Co. (Pittsburgh)   | 0                        | 0     | 0     | 0     | 0     | 0                                   | 0     | 0     | 2     | 1     | 3     | 32,832      |
| Wisconsin Central Ltd. (also Railway)                                   | 6                        | 0     | 0     | 0     | 6     | 256,800                             | 7     | 2     | 20    | 2     | 31    | 1,076,219   |
| Wheeling & Lake Erie Railway Co.  | 0                        | 0     | 0     | 0     | 0     | 0                                   | 0     | 0     | 4     | 0     | 4     | 106,585     |
| Total Group II Railroads **.....  | 52                       | 1     | 6     | 9     | 68    | 3,589,987                           | 65    | 32    | 153   | 18    | 268   | 9,734,855   |
| <b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b> |                          |       |       |       |       |                                     |       |       |       |       |       |             |
| Class I Railroads   | 144                      | 5     | 6     | 12    | 167   | 26,715,525                          | 378   | 208   | 576   | 215   | 1,377 | 105,169,783 |
| Group II Railroads **   | 43                       | 1     | 6     | 8     | 58    | 3,589,987                           | 56    | 28    | 130   | 17    | 231   | 9,734,855   |
| All Other Railroads   | 8                        | 3     | 1     | 3     | 15    | 357,876                             | 28    | 20    | 151   | 18    | 217   | 10,297,137  |
| Total All Railroads   | 195                      | 9     | 13    | 23    | 240   | 30,663,388                          | 462   | 256   | 857   | 250   | 1,825 | 125,201,775 |

\*\* 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 derails on track maintained by another railroad. In all other tables, these situations appear as a single count. In this table, when an accident involves CLASS I or GROUP II railroads, a count is made against each railroad involved. However, this duplication does not appear in the total for CLASS I or GROUP II railroads shown in the recapitulation.

TABLE 37. PART II: INVOLVEMENT IN TRAIN ACCIDENTS BY RAILROAD, TYPE AND CAUSE, 1994

| Railroad  | <<.....OTHER ACCIDENT S.....>> |       |       |       |       | <<.....TOTAL S.....>> |       |        |             |
|---|--------------------------------|-------|-------|-------|-------|-----------------------|-------|--------|-------------|
|   | Human                          | Equip | Track | Other | Total | Damages               | Accs  | Rate*  | Damages     |
| <b>CLASS I RAILROADS</b>  |                                |       |       |       |       |                       |       |        |             |
| Amtrak (Nat'l. Railroad Passenger Corp.)                                | 2                              | 6     | 8     | 44    | 60    | 2,613,909             | 112   | 2.60   | 9,609,941   |
| Atchison, Topeka & Santa Fe Railway                                     | 23                             | 2     | 7     | 17    | 49    | 2,516,728             | 148   | 2.91   | 13,060,506  |
| Burlington Northern Railroad Co.  | 50                             | 3     | 4     | 28    | 85    | 4,801,411             | 392   | 4.33   | 36,119,611  |
| Chicago and North Western Railway Co.                                   | 18                             | 0     | 0     | 8     | 26    | 1,016,060             | 106   | 5.21   | 3,375,618   |
| Consolidated Rail Corp.   | 5                              | 0     | 0     | 10    | 15    | 477,978               | 176   | 3.69   | 11,573,901  |
| CSX Transportation  | 8                              | 0     | 1     | 26    | 35    | 3,070,444             | 154   | 1.91   | 12,918,508  |
| Denver & Rio Grande Western Railroad                                    | 1                              | 1     | 0     | 0     | 2     | 60,450                | 25    | 3.84   | 2,638,763   |
| Grand Trunk Western Railroad Inc.                                       | 0                              | 1     | 0     | 0     | 1     | 9,000                 | 53    | 10.29  | 1,605,804   |
| Illinois Central Railroad Co.   | 11                             | 1     | 7     | 5     | 24    | 429,142               | 81    | 9.41   | 5,516,258   |
| Kansas City Southern Railway Co.  | 9                              | 1     | 2     | 5     | 17    | 473,631               | 96    | 13.74  | 4,930,601   |
| Norfolk Southern Corp.  | 2                              | 1     | 1     | 18    | 22    | 706,095               | 116   | 1.97   | 4,655,167   |
| Soo Line Railroad Co.   | 10                             | 2     | 8     | 7     | 27    | 437,595               | 94    | 10.10  | 2,583,197   |
| Southern Pacific Transportation Co.                                     | 12                             | 1     | 2     | 21    | 36    | 600,747               | 158   | 4.05   | 14,843,388  |
| St. Louis Southwestern Railway Co.                                      | 5                              | 0     | 0     | 3     | 8     | 189,136               | 39    | 4.11   | 1,309,020   |
| Union Pacific Railroad Co.  | 60                             | 5     | 14    | 32    | 111   | 3,056,595             | 434   | 4.52   | 27,603,946  |
| Total Class I Railroads.....  | 216                            | 24    | 54    | 224   | 518   | 20,458,921            | 2,184 | 3.81   | 152,344,229 |
| <b>GROUP II RAILROADS **</b>  |                                |       |       |       |       |                       |       |        |             |
| Alton & Southern Railroad   | 0                              | 0     | 0     | 0     | 0     | 0                     | 14    | 18.81  | 168,660     |
| Alaska Railroad Corp.   | 0                              | 0     | 0     | 1     | 1     | 12,000                | 3     | 3.49   | 162,000     |
| Bangor & Aroostook Railroad   | 0                              | 0     | 0     | 0     | 0     | 0                     | 2     | 4.79   | 149,068     |
| Bessemer & Lake Erie Railroad Co.                                       | 0                              | 0     | 0     | 0     | 0     | 0                     | 1     | 5.07   | 8,572       |
| Belt Railway Co. Of Chicago   | 2                              | 0     | 4     | 4     | 10    | 169,000               | 67    | 179.27 | 1,040,304   |
| Birmingham Southern Railroad Co.  | 0                              | 0     | 0     | 0     | 0     | 0                     | 0     | 0.00   | 0           |
| Chicago, Central & Pacific Railroad Co.                                 | 0                              | 0     | 0     | 0     | 0     | 0                     | 10    | 10.77  | 424,031     |
| Cuyahoga Valley Railway Co.   | 0                              | 0     | 0     | 0     | 0     | 0                     | 0     | 0.00   | 0           |
| Delaware & Hudson Railway Co.   | 0                              | 0     | 0     | 0     | 0     | 0                     | 10    | 4.87   | 1,259,550   |
| Dakota, Minnesota & Eastern Railroad                                    | 0                              | 0     | 0     | 0     | 0     | 0                     | 34    | 53.05  | 1,863,548   |
| Duluth, Missabe & Iron Range Railway                                    | 0                              | 0     | 0     | 0     | 0     | 0                     | 6     | 8.29   | 154,859     |
| Elgin, Joliet & Eastern Railway Co.                                     | 3                              | 0     | 0     | 0     | 3     | 64,064                | 10    | 17.53  | 207,606     |
| Florida East Coast Railway Co.  | 0                              | 0     | 0     | 3     | 3     | 61,385                | 10    | 2.72   | 266,288     |
| Fox Valley & Western Ltd.   | 1                              | 0     | 0     | 0     | 1     | 1,400                 | 11    | 21.43  | 111,863     |
| Gateway Western Railway   | 2                              | 0     | 0     | 0     | 2     | 23,500                | 10    | 11.37  | 276,506     |
| Houston Belt & Terminal Railway Co.                                     | 5                              | 0     | 0     | 0     | 5     | 23,485                | 14    | 16.09  | 97,166      |
| Indiana Harbor Belt Railroad Co.  | 1                              | 0     | 0     | 0     | 1     | 8,700                 | 19    | 14.76  | 278,014     |
| Long Island Rail Road   | 3                              | 1     | 0     | 10    | 14    | 768,953               | 37    | 4.54   | 3,054,487   |
| Metro North Commuter Railroad Co.                                       | 1                              | 3     | 22    | 5     | 31    | 743,198               | 36    | 4.88   | 1,389,887   |
| Montana Rail Link   | 3                              | 0     | 0     | 0     | 3     | 57,000                | 22    | 6.24   | 466,518     |
| Northern Indiana Commuter Trans.  | 0                              | 0     | 0     | 2     | 2     | 36,923                | 3     | 4.21   | 67,523      |
| Northeast Illinois Regional Comuter                                     | 0                              | 0     | 0     | 4     | 4     | 351,700               | 5     | 1.55   | 399,700     |
| New Jersey Transit Rail Operations                                      | 0                              | 2     | 1     | 7     | 10    | 550,794               | 17    | 2.28   | 1,487,088   |
| Paducah & Louisville Railway Co.  | 0                              | 0     | 0     | 0     | 0     | 0                     | 0     | 0.00   | 0           |
| Port Authority Trans Hudson   | 1                              | 0     | 0     | 1     | 2     | 75,199                | 2     | 1.19   | 75,199      |
| Port Terminal Railroad Assoc.   | 9                              | 0     | 0     | 1     | 10    | 232,443               | 17    | 16.06  | 525,739     |
| Southeastern Pennsylvania Trans.  | 1                              | 0     | 0     | 2     | 3     | 119,653               | 5     | 1.01   | 205,728     |
| Southern Pacific, Chicago-St. Louis Co.                                 | 0                              | 0     | 0     | 4     | 4     | 23,000                | 12    | 6.56   | 83,410      |
| Springfield Terminal Railway Co.  | 1                              | 0     | 0     | 0     | 1     | 28,000                | 6     | 5.59   | 330,125     |
| Texas Mexican Railway Co.   | 0                              | 0     | 0     | 0     | 0     | 0                     | 2     | 8.88   | 33,400      |
| Terminal Railroad Assoc. Of State Dock                                  | 0                              | 0     | 0     | 0     | 0     | 0                     | 17    | 33.93  | 615,964     |
| Union Railroad Co. (Pittsburgh)   | 0                              | 0     | 0     | 0     | 0     | 0                     | 3     | 19.49  | 32,832      |
| Wisconsin Central Ltd. (also Railway)                                   | 10                             | 0     | 0     | 3     | 13    | 256,374               | 50    | 13.91  | 1,589,393   |
| Wheeling & Lake Erie Railway Co.  | 0                              | 0     | 0     | 0     | 0     | 0                     | 4     | 6.80   | 106,585     |
| Total Group II Railroads **.....  | 43                             | 6     | 27    | 47    | 123   | 3,606,771             | 459   | 7.45   | 16,931,613  |
| <b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b> |                                |       |       |       |       |                       |       |        |             |
| Class I Railroads   | 210                            | 23    | 51    | 190   | 474   | 20,458,921            | 2,018 | 3.52   | 152,344,229 |
| Group II Railroads **   | 39                             | 5     | 25    | 45    | 114   | 3,606,771             | 403   | 6.54   | 16,931,613  |
| All Other Railroads   | 5                              | 0     | 1     | 10    | 16    | 619,663               | 248   | 12.16  | 11,274,676  |
| Total All Railroads   | 254                            | 28    | 77    | 245   | 604   | 24,685,355            | 2,669 | 4.07   | 180,550,518 |

\* 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 CLASS tables, these situations appear as a single count. In this table, when an accident involves CLASS I or GROUP II railroads, a count is made against each railroad involved. However, this duplication does not appear in the total for CLASS I or GROUP II railroads shown in the recapitulation.



TABLE 38. PART I: FATALITIES BY RAILROAD AND TYPE OF ACCIDENT/INCIDENT, 1994

| Railroad  | <<.....TRAIN ACCIDENTS.....>> |      |      |      |      |       |       | <<.....TRAIN INCIDENTS.....>> |      |      |      |      |       |       |
|---|-------------------------------|------|------|------|------|-------|-------|-------------------------------|------|------|------|------|-------|-------|
|   | Eod                           | Enod | Psgr | Nont | Tres | Contr | Total | Eod                           | Enod | Psgr | Nont | Tres | Contr | Total |
| <b>CLASS I RAILROADS</b>  |                               |      |      |      |      |       |       |                               |      |      |      |      |       |       |
| Amtrak (Nat'l. Railroad Passenger Corp.)                                | 1                             | 0    | 0    | 7    | 7    | 0     | 15    | 0                             | 0    | 2    | 7    | 103  | 0     | 112   |
| Atchison, Topeka & Santa Fe Railway                                     | 0                             | 0    | 0    | 1    | 0    | 0     | 1     | 2                             | 0    | 0    | 22   | 33   | 0     | 57    |
| Burlington Northern Railroad Co.  | 2                             | 0    | 0    | 1    | 1    | 0     | 4     | 3                             | 0    | 0    | 79   | 50   | 0     | 132   |
| Chicago and North Western Railway Co.                                   | 0                             | 0    | 0    | 1    | 0    | 0     | 1     | 0                             | 0    | 0    | 17   | 33   | 0     | 50    |
| Consolidated Rail Corp.   | 0                             | 0    | 0    | 0    | 1    | 0     | 1     | 3                             | 0    | 0    | 56   | 30   | 0     | 89    |
| CSX Transportation  | 0                             | 0    | 2    | 2    | 1    | 0     | 5     | 2                             | 0    | 0    | 46   | 73   | 0     | 121   |
| Denver & Rio Grande Western Railroad                                    | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 4    | 3    | 0     | 7     |
| Grand Trunk Western Railroad Inc.                                       | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 11   | 5    | 0     | 16    |
| Illinois Central Railroad Co.   | 1                             | 0    | 0    | 0    | 0    | 0     | 1     | 0                             | 0    | 0    | 7    | 5    | 0     | 12    |
| Kansas City Southern Railway Co.  | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 8    | 4    | 0     | 12    |
| Norfolk Southern Corp.  | 0                             | 0    | 0    | 2    | 1    | 0     | 3     | 0                             | 0    | 0    | 65   | 80   | 0     | 145   |
| Soo Line Railroad Co.   | 0                             | 0    | 0    | 0    | 1    | 0     | 1     | 0                             | 0    | 0    | 6    | 4    | 0     | 10    |
| Southern Pacific Transportation Co.                                     | 4                             | 0    | 0    | 2    | 2    | 0     | 8     | 1                             | 0    | 0    | 21   | 48   | 0     | 70    |
| St. Louis Southwestern Railway Co.                                      | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 1                             | 0    | 0    | 18   | 5    | 0     | 24    |
| Union Pacific Railroad Co.  | 0                             | 0    | 0    | 3    | 0    | 0     | 3     | 4                             | 0    | 0    | 74   | 78   | 1     | 157   |
| Total Class I Railroads.....  | 8                             | 0    | 2    | 19   | 14   | 0     | 43    | 16                            | 0    | 2    | 441  | 554  | 1     | 1,014 |
| <b>GROUP II RAILROADS **</b>  |                               |      |      |      |      |       |       |                               |      |      |      |      |       |       |
| Alton & Southern Railroad   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 0    | 0    | 0     | 0     |
| Alaska Railroad Corp.   | 1                             | 0    | 0    | 0    | 0    | 0     | 1     | 0                             | 0    | 0    | 2    | 0    | 0     | 2     |
| Bangor & Aroostook Railroad   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 0    | 0    | 0     | 0     |
| Bessemer & Lake Erie Railroad Co.                                       | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 0    | 1    | 0     | 1     |
| Belt Railway Co. Of Chicago   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 0    | 0    | 0     | 0     |
| Birmingham Southern Railroad Co.  | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 0    | 0    | 0     | 0     |
| Chicago, Central & Pacific Railroad Co.                                 | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 1    | 0    | 0     | 1     |
| Cuyahoga Valley Railway Co.   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 0    | 0    | 0     | 0     |
| Delaware & Hudson Railway Co.   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 0    | 7    | 0     | 7     |
| Dakota, Minnesota & Eastern Railroad                                    | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 0    | 0    | 0     | 0     |
| Duluth, Missabe & Iron Range Railway                                    | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 2    | 0    | 0     | 2     |
| Elgin, Joliet & Eastern Railway Co.                                     | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 1    | 0    | 0     | 1     |
| Florida East Coast Railway Co.  | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 1    | 0    | 0     | 1     |
| Fox Valley & Western Ltd.   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 12   | 0    | 0     | 13    |
| 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    | 1    | 0    | 0     | 1     |
| Indiana Harbor Belt Railroad Co.  | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 0    | 0    | 0     | 0     |
| Long Island Rail Road   | 0                             | 0    | 0    | 0    | 1    | 0     | 1     | 0                             | 0    | 1    | 0    | 7    | 0     | 8     |
| Metro North Commuter Railroad Co.                                       | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 0    | 10   | 0     | 10    |
| Montana Rail Link   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 3    | 1    | 0     | 4     |
| Northern Indiana Commuter Trans.  | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 0    | 2    | 0     | 2     |
| Northeast Illinois Regional Comuter                                     | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 0    | 9    | 0     | 9     |
| New Jersey Transit Rail Operations                                      | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 1    | 19   | 0     | 20    |
| Paducah & Louisville Railway Co.  | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 0    | 0    | 0     | 0     |
| Port Authority Trans Hudson   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 0    | 0    | 0     | 0     |
| Port Terminal Railroad Assoc.   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 1                             | 0    | 0    | 0    | 0    | 0     | 1     |
| Southeastern Pennsylvania Trans.  | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 0    | 3    | 0     | 3     |
| Southern Pacific, Chicago-St. Louis                                     | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 0    | 1    | 0     | 1     |
| Springfield Terminal Railway Co.  | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 0    | 1    | 0     | 1     |
| Texas Mexican Railway Co.   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 0    | 1    | 0     | 1     |
| Terminal Railroad Assoc. Of State Dock                                  | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 1    | 1    | 0     | 2     |
| Union Railroad Co. (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    | 9    | 1    | 0     | 10    |
| Wheeling & Lake Erie Railway Co.  | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 2    | 0    | 0     | 2     |
| Total Group II Railroads **.....  | 1                             | 0    | 0    | 0    | 1    | 0     | 2     | 1                             | 0    | 1    | 24   | 77   | 0     | 103   |
| <b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b> |                               |      |      |      |      |       |       |                               |      |      |      |      |       |       |
| Class I Railroads   | 8                             | 0    | 2    | 19   | 14   | 0     | 43    | 16                            | 0    | 2    | 441  | 554  | 1     | 1,014 |
| Group II Railroads **   | 1                             | 0    | 0    | 0    | 1    | 0     | 2     | 1                             | 0    | 1    | 24   | 77   | 0     | 103   |
| All Other Railroads   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 11   | 21   | 0     | 32    |
| Total All Railroads   | 9                             | 0    | 2    | 19   | 15   | 0     | 45    | 17                            | 0    | 3    | 476  | 652  | 1     | 1,149 |

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

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

TABLE 38. PART II: FATALITIES BY RAILROAD AND TYPE OF ACCIDENT/INCIDENT, 1994

| Railroad  | << NON - TRAIN INCIDENTS >> |      |      |      |      |       |       | <<.....T O T A L S.....>> |      |      |      |      |       |       |
|---|-----------------------------|------|------|------|------|-------|-------|---------------------------|------|------|------|------|-------|-------|
|   | Eod                         | Enod | Psgr | Mont | Tres | Contr | Total | Eod                       | Enod | Psgr | Mont | Tres | Contr | Total |
| <b>CLASS I RAILROADS</b>  |                             |      |      |      |      |       |       |                           |      |      |      |      |       |       |
| Amtrak (Nat'l Railroad Passenger Corp.)                                 | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 1                         | 0    | 2    | 14   | 110  | 0     | 127   |
| Atchison, Topeka & Santa Fe Railway                                     | 0                           | 0    | 0    | 0    | 1    | 0     | 1     | 2                         | 0    | 0    | 23   | 34   | 0     | 59    |
| Burlington Northern Railroad Co.  | 1                           | 0    | 0    | 0    | 2    | 0     | 3     | 6                         | 0    | 0    | 80   | 53   | 0     | 139   |
| Chicago and North Western Railway Co.                                   | 0                           | 0    | 0    | 1    | 0    | 0     | 1     | 0                         | 0    | 0    | 19   | 33   | 0     | 52    |
| Consolidated Rail Corp.   | 0                           | 0    | 0    | 5    | 0    | 0     | 5     | 3                         | 0    | 0    | 61   | 31   | 0     | 95    |
| CSX Transportation  | 0                           | 0    | 0    | 1    | 0    | 0     | 1     | 2                         | 0    | 2    | 49   | 74   | 0     | 127   |
| Denver & Rio Grande Western Railroad                                    | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 4    | 3    | 0     | 7     |
| Grand Trunk Western Railroad Inc.                                       | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 11   | 5    | 0     | 16    |
| Illinois Central Railroad Co.   | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 1                         | 0    | 0    | 7    | 5    | 0     | 13    |
| Kansas City Southern Railway Co.  | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 8    | 4    | 0     | 12    |
| Norfolk Southern Corp.  | 0                           | 0    | 0    | 0    | 2    | 1     | 3     | 0                         | 0    | 0    | 67   | 83   | 1     | 151   |
| Soo Line Railroad Co.   | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 6    | 5    | 0     | 11    |
| Southern Pacific Transportation Co.                                     | 0                           | 0    | 0    | 0    | 0    | 1     | 1     | 5                         | 0    | 0    | 23   | 50   | 1     | 79    |
| St. Louis Southwestern Railway Co.                                      | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 1                         | 0    | 0    | 18   | 5    | 0     | 24    |
| Union Pacific Railroad Co.  | 1                           | 0    | 0    | 2    | 5    | 0     | 8     | 5                         | 0    | 0    | 79   | 83   | 1     | 168   |
| Total Class I Railroads.....  | 2                           | 0    | 0    | 9    | 10   | 2     | 23    | 26                        | 0    | 4    | 469  | 578  | 3     | 1,080 |
| <b>GROUP II RAILROADS **</b>  |                             |      |      |      |      |       |       |                           |      |      |      |      |       |       |
| Alton & Southern Railroad   | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 0    | 0    | 0     | 0     |
| Alaska Railroad Corp.   | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 1                         | 0    | 0    | 2    | 0    | 0     | 3     |
| Bangor & Aroostook Railroad   | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 0    | 0    | 0     | 0     |
| Bessemer & Lake Erie Railroad Co.                                       | 1                           | 0    | 0    | 0    | 0    | 0     | 1     | 1                         | 0    | 0    | 0    | 1    | 0     | 2     |
| Belt Railway Company Of Chicago   | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 0    | 0    | 0     | 0     |
| Birmingham Southern Railroad Co.  | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 0    | 0    | 0     | 0     |
| Chicago, Central & Pacific Railroad                                     | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 1    | 0    | 0     | 1     |
| Cuyahoga Valley Railway Co.   | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 0    | 0    | 0     | 0     |
| Delaware & Hudson Railway Co.   | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 0    | 7    | 0     | 7     |
| Dakota, Minnesota & Eastern Railroad                                    | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 0    | 0    | 0     | 0     |
| Duluth, Missabe & Iron Range Railway                                    | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 2    | 0    | 0     | 2     |
| Elgin, Joliet & Eastern Railway Co.                                     | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 1    | 0    | 0     | 1     |
| Florida East Coast Railway Co.  | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 1    | 12   | 0     | 13    |
| Fox Valley & Western Ltd.   | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 0    | 0    | 0     | 0     |
| Gateway Western Railway   | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 1    | 0    | 0     | 1     |
| Houston Belt & Terminal Railway Co.                                     | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 0    | 0    | 0     | 0     |
| Indiana Harbor Belt Railroad Co.  | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 0    | 2    | 0     | 2     |
| Long Island Rail Road   | 0                           | 0    | 0    | 0    | 1    | 0     | 1     | 0                         | 0    | 1    | 0    | 9    | 0     | 10    |
| Metro North Commuter Railroad Co.                                       | 1                           | 0    | 0    | 0    | 1    | 0     | 2     | 1                         | 0    | 0    | 0    | 11   | 0     | 12    |
| Montana Rail Link   | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 3    | 1    | 0     | 4     |
| Northern Indiana Commuter Transp.                                       | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 0    | 2    | 0     | 2     |
| Northeast Illinois Regional Comuter                                     | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 0    | 9    | 0     | 9     |
| New Jersey Transit Rail Operations                                      | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 1    | 19   | 0     | 20    |
| Paducah & Louisville Railway Co.  | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 0    | 0    | 0     | 0     |
| Port Authority Trans Hudson   | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 0    | 0    | 0     | 0     |
| Port Terminal Railroad Assoc.   | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 1                         | 0    | 0    | 0    | 0    | 0     | 1     |
| Southeastern Pennsylvania Transp.                                       | 0                           | 0    | 0    | 0    | 2    | 0     | 2     | 0                         | 0    | 0    | 0    | 5    | 0     | 5     |
| Southern Pacific, Chicago-St. Louis                                     | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 0    | 1    | 0     | 1     |
| Springfield Terminal Railway Co.  | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 0    | 1    | 0     | 1     |
| Texas Mexican Railway Co.   | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 1    | 1    | 0     | 2     |
| Terminal Railroad Assoc. Of St.   | 1                           | 0    | 0    | 0    | 0    | 0     | 1     | 1                         | 0    | 0    | 0    | 0    | 0     | 1     |
| Union Railroad Co. (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    | 9    | 1    | 0     | 10    |
| Wheeling & Lake Erie Railway Co.  | 0                           | 0    | 0    | 0    | 0    | 0     | 0     | 0                         | 0    | 0    | 2    | 0    | 0     | 2     |
| Total Group II Railroads **.....  | 3                           | 0    | 0    | 0    | 4    | 0     | 7     | 5                         | 0    | 1    | 24   | 82   | 0     | 112   |
| <b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b> |                             |      |      |      |      |       |       |                           |      |      |      |      |       |       |
| Class I Railroads   | 2                           | 0    | 0    | 9    | 10   | 2     | 23    | 26                        | 0    | 4    | 469  | 578  | 3     | 1,080 |
| Group II Railroads **   | 3                           | 0    | 0    | 0    | 4    | 0     | 7     | 5                         | 0    | 1    | 24   | 82   | 0     | 112   |
| All Other Railroads   | 0                           | 0    | 0    | 1    | 1    | 0     | 2     | 0                         | 0    | 0    | 12   | 22   | 0     | 34    |
| Total All Railroads   | 5                           | 0    | 0    | 10   | 15   | 2     | 32    | 31                        | 0    | 5    | 505  | 682  | 3     | 1,226 |

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

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

TABLE 39. PART I: NONFATAL CASUALTIES BY RAILROAD AND TYPE OF ACCIDENT/INCIDENT, 1994

| Railroad  | <<.....TRAIN ACCIDENTS.....>> |      |      |      |      |       |       | <<.....TRAIN INCIDENTS.....>> |      |      |       |      |       |       |
|---|-------------------------------|------|------|------|------|-------|-------|-------------------------------|------|------|-------|------|-------|-------|
|   | Eod                           | Enod | Psgr | Nont | Tres | Contr | Total | Eod                           | Enod | Psgr | Nont  | Tres | Contr | Total |
| <b>CLASS I RAILROADS</b>  |                               |      |      |      |      |       |       |                               |      |      |       |      |       |       |
| Amtrak (Nat'l Railroad Passenger Corp.)                                 | 29                            | 26   | 57   | 7    | 1    | 0     | 120   | 185                           | 8    | 32   | 9     | 24   | 0     | 258   |
| Atchison, Topeka & Santa Fe Railway                                     | 9                             | 0    | 0    | 3    | 0    | 0     | 12    | 29                            | 0    | 0    | 62    | 25   | 3     | 119   |
| Burlington Northern Railroad Co.  | 30                            | 0    | 0    | 3    | 4    | 1     | 38    | 141                           | 0    | 0    | 152   | 62   | 1     | 356   |
| Chicago and North Western Railway Co.                                   | 3                             | 0    | 0    | 1    | 0    | 0     | 4     | 25                            | 0    | 2    | 41    | 23   | 0     | 91    |
| Consolidated Rail Corp.   | 8                             | 0    | 0    | 1    | 3    | 0     | 12    | 130                           | 2    | 1    | 53    | 56   | 0     | 242   |
| CSX Transportation  | 12                            | 0    | 14   | 7    | 3    | 0     | 36    | 81                            | 0    | 0    | 206   | 82   | 0     | 369   |
| Denver & Rio Grande Western Railroad                                    | 3                             | 0    | 0    | 0    | 0    | 0     | 3     | 13                            | 0    | 0    | 8     | 3    | 0     | 24    |
| Grand Trunk Western Railroad Inc.                                       | 5                             | 0    | 0    | 0    | 0    | 0     | 5     | 21                            | 0    | 0    | 20    | 9    | 0     | 50    |
| Illinois Central Railroad Co.   | 3                             | 0    | 0    | 11   | 0    | 0     | 14    | 22                            | 0    | 0    | 41    | 12   | 0     | 75    |
| Kansas City Southern Railway Co.  | 9                             | 0    | 0    | 2    | 0    | 0     | 11    | 22                            | 0    | 0    | 81    | 2    | 0     | 105   |
| Norfolk Southern Corp.  | 12                            | 0    | 0    | 6    | 1    | 0     | 19    | 53                            | 1    | 0    | 178   | 83   | 5     | 320   |
| Soo Line Railroad Co.   | 6                             | 0    | 0    | 2    | 0    | 0     | 8     | 74                            | 0    | 0    | 35    | 6    | 0     | 115   |
| Southern Pacific Transportation Co.                                     | 11                            | 0    | 0    | 5    | 0    | 0     | 16    | 116                           | 0    | 0    | 69    | 70   | 0     | 255   |
| St. Louis Southwestern Railway Co.                                      | 1                             | 0    | 0    | 4    | 0    | 0     | 5     | 20                            | 0    | 0    | 30    | 7    | 0     | 57    |
| Union Pacific Railroad Co.  | 11                            | 0    | 0    | 7    | 2    | 0     | 20    | 240                           | 2    | 0    | 195   | 89   | 0     | 526   |
| Total Class I Railroads.....  | 152                           | 26   | 71   | 59   | 14   | 1     | 323   | 1,172                         | 13   | 35   | 1,180 | 553  | 9     | 2,962 |
| <b>GROUP II RAILROADS **</b>  |                               |      |      |      |      |       |       |                               |      |      |       |      |       |       |
| Alton & Southern Railroad   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 3                             | 0    | 0    | 3     | 1    | 0     | 7     |
| Alaska Railroad Corp.   | 3                             | 0    | 0    | 0    | 0    | 0     | 3     | 1                             | 0    | 0    | 0     | 0    | 1     | 2     |
| Bangor & Aroostook Railroad   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 5                             | 0    | 0    | 2     | 0    | 0     | 7     |
| Bessemer & Lake Erie Railroad Co.                                       | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 1                             | 0    | 0    | 0     | 0    | 0     | 1     |
| Belt Railway Co. Of Chicago   | 1                             | 0    | 0    | 0    | 0    | 0     | 1     | 7                             | 0    | 0    | 1     | 0    | 0     | 8     |
| Birmingham Southern Railroad Co.  | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 1                             | 0    | 0    | 0     | 0    | 0     | 1     |
| Chicago, Central & Pacific Railroad                                     | 2                             | 0    | 0    | 0    | 0    | 0     | 2     | 10                            | 0    | 0    | 12    | 5    | 0     | 27    |
| Cuyahoga Valley Railway Co.   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 5                             | 0    | 0    | 0     | 0    | 0     | 5     |
| Delaware & Hudson Railway Co.   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 4                             | 0    | 0    | 0     | 10   | 0     | 14    |
| Dakota, Minnesota & Eastern Railroad                                    | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 6                             | 0    | 0    | 8     | 0    | 0     | 14    |
| Duluth, Missabe & Iron Range Railway                                    | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 3                             | 0    | 0    | 2     | 0    | 0     | 5     |
| Elgin, Joliet & Eastern Railway Co.                                     | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 6                             | 0    | 0    | 2     | 1    | 0     | 9     |
| Florida East Coast Railway Co.  | 2                             | 0    | 0    | 0    | 0    | 0     | 2     | 12                            | 0    | 0    | 5     | 32   | 0     | 49    |
| Fox Valley & Western Ltd.   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 2                             | 0    | 0    | 7     | 1    | 0     | 10    |
| Gateway Western Railway   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 2                             | 0    | 0    | 1     | 0    | 0     | 3     |
| Houston Belt & Terminal Railway Co.                                     | 2                             | 0    | 0    | 0    | 0    | 0     | 2     | 4                             | 0    | 0    | 0     | 1    | 0     | 5     |
| Indiana Harbor Belt Railroad Co.  | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 8                             | 0    | 0    | 0     | 9    | 0     | 17    |
| Long Island Rail Road   | 11                            | 0    | 4    | 0    | 0    | 0     | 15    | 36                            | 0    | 11   | 1     | 7    | 0     | 55    |
| Metro North Commuter Railroad Co.                                       | 7                             | 0    | 0    | 0    | 0    | 0     | 7     | 42                            | 0    | 3    | 3     | 3    | 1     | 52    |
| Montana Rail Link   | 1                             | 0    | 0    | 0    | 0    | 0     | 1     | 11                            | 0    | 0    | 1     | 2    | 0     | 14    |
| Northern Indiana Commuter Transp.                                       | 0                             | 0    | 0    | 0    | 1    | 0     | 1     | 3                             | 0    | 0    | 0     | 0    | 0     | 3     |
| Northeast Illinois Regional Comuter                                     | 0                             | 0    | 75   | 0    | 1    | 0     | 76    | 6                             | 0    | 7    | 0     | 13   | 0     | 26    |
| New Jersey Transit Rail Operations                                      | 1                             | 0    | 2    | 0    | 2    | 0     | 5     | 26                            | 0    | 23   | 2     | 4    | 0     | 55    |
| Paducah & Louisville Railway Co.  | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 2                             | 0    | 0    | 0     | 3    | 0     | 5     |
| Port Authority Trans Hudson   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 10                            | 0    | 6    | 2     | 0    | 0     | 18    |
| Port Terminal Railroad Assoc.   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 6                             | 0    | 0    | 1     | 0    | 0     | 7     |
| Southeastern Pennsylvania Trans.  | 3                             | 0    | 0    | 0    | 1    | 0     | 4     | 31                            | 0    | 9    | 1     | 3    | 0     | 44    |
| Southern Pacific, Chicago-St. Louis                                     | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 0                             | 0    | 0    | 0     | 0    | 0     | 0     |
| Springfield Terminal Railway Co.  | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 5                             | 0    | 0    | 2     | 0    | 0     | 7     |
| Texas Mexican Railway Co.   | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 9                             | 0    | 0    | 2     | 0    | 0     | 11    |
| Terminal Railroad Assoc. Of State Dock                                  | 0                             | 0    | 0    | 0    | 0    | 0     | 0     | 1                             | 0    | 0    | 0     | 0    | 0     | 1     |
| Union Railroad Co. (Pittsburgh)   | 1                             | 0    | 0    | 0    | 0    | 0     | 1     | 4                             | 0    | 0    | 0     | 0    | 0     | 4     |
| Wisconsin Central Ltd. (also Railway)                                   | 2                             | 0    | 0    | 1    | 0    | 0     | 3     | 21                            | 0    | 0    | 33    | 3    | 0     | 57    |
| Wheeling & Lake Erie Railway Co.  | 1                             | 0    | 0    | 0    | 0    | 0     | 1     | 3                             | 0    | 0    | 19    | 0    | 0     | 22    |
| Total Group II Railroads **.....  | 37                            | 0    | 81   | 1    | 5    | 0     | 124   | 296                           | 0    | 59   | 110   | 98   | 2     | 565   |
| <b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b> |                               |      |      |      |      |       |       |                               |      |      |       |      |       |       |
| Class I Railroads   | 152                           | 26   | 71   | 59   | 14   | 1     | 323   | 1,172                         | 13   | 35   | 1,180 | 553  | 9     | 2,962 |
| Group II Railroads **   | 37                            | 0    | 81   | 1    | 5    | 0     | 124   | 296                           | 0    | 59   | 110   | 98   | 2     | 565   |
| All Other Railroads   | 7                             | 0    | 0    | 2    | 1    | 3     | 13    | 164                           | 0    | 13   | 114   | 39   | 0     | 330   |
| Total All Railroads   | 196                           | 26   | 152  | 62   | 20   | 4     | 460   | 1,632                         | 13   | 107  | 1,404 | 690  | 11    | 3,857 |

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

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

TABLE 39. PART II : NONFATAL CASUALTIES BY RAILROAD AND TYPE OF ACCIDENT/INCIDENT, 1994

| Railroad  | << NON-TRAIN INCIDENTS >> |      |      |      |      |       |        | <<.....T O T A L S.....>> |      |      |       |      |       |        |
|---|---------------------------|------|------|------|------|-------|--------|---------------------------|------|------|-------|------|-------|--------|
|   | Eod                       | Enod | Psgr | Mont | Tres | Contr | Total  | Eod                       | Enod | Psgr | Mont  | Tres | Contr | Total  |
| <b>CLASS I RAILROADS</b>  |                           |      |      |      |      |       |        |                           |      |      |       |      |       |        |
| Amtrak (Nat'l Railroad Passenger Corp.)                                 | 1,153                     | 61   | 23   | 26   | 2    | 1     | 1,266  | 1,367                     | 95   | 112  | 42    | 27   | 1     | 1,644  |
| Atchison, Topeka & Santa Fe Railway                                     | 386                       | 6    | 0    | 1    | 0    | 4     | 397    | 424                       | 6    | 0    | 66    | 25   | 7     | 528    |
| Burlington Northern Railroad Co.  | 1,023                     | 20   | 0    | 16   | 6    | 54    | 1,119  | 1,194                     | 20   | 0    | 171   | 72   | 56    | 1,513  |
| Chicago and North Western Railway Co.                                   | 239                       | 0    | 8    | 9    | 2    | 1     | 259    | 267                       | 0    | 10   | 51    | 25   | 1     | 354    |
| Consolidated Rail Corp.   | 1,098                     | 37   | 10   | 8    | 10   | 13    | 1,176  | 1,236                     | 39   | 11   | 62    | 69   | 13    | 1,430  |
| CSX Transportation  | 611                       | 34   | 0    | 11   | 2    | 0     | 658    | 704                       | 34   | 14   | 224   | 87   | 0     | 1,063  |
| Denver & Rio Grande Western Railroad                                    | 110                       | 3    | 0    | 0    | 0    | 0     | 113    | 126                       | 3    | 0    | 8     | 3    | 0     | 140    |
| Grand Trunk Western Railroad Inc.                                       | 221                       | 2    | 0    | 0    | 0    | 0     | 223    | 247                       | 2    | 0    | 20    | 9    | 0     | 278    |
| Illinois Central Railroad Co.   | 80                        | 3    | 0    | 1    | 0    | 0     | 84     | 105                       | 3    | 0    | 53    | 12   | 0     | 173    |
| Kansas City Southern Railway Co.  | 69                        | 0    | 0    | 2    | 0    | 0     | 71     | 100                       | 0    | 0    | 85    | 2    | 0     | 187    |
| Norfolk Southern Corp.  | 367                       | 17   | 0    | 12   | 4    | 85    | 485    | 432                       | 18   | 0    | 196   | 88   | 90    | 824    |
| Soo Line Railroad Co.   | 371                       | 1    | 0    | 0    | 2    | 0     | 374    | 451                       | 1    | 0    | 37    | 8    | 0     | 497    |
| Southern Pacific Transportation Co.                                     | 621                       | 9    | 0    | 6    | 1    | 1     | 638    | 748                       | 9    | 0    | 80    | 71   | 1     | 909    |
| St. Louis Southwestern Railway Co.                                      | 98                        | 2    | 0    | 0    | 0    | 0     | 100    | 119                       | 2    | 0    | 34    | 7    | 0     | 162    |
| Union Pacific Railroad Co.  | 1,033                     | 25   | 0    | 25   | 7    | 10    | 1,100  | 1,284                     | 27   | 0    | 227   | 98   | 10    | 1,646  |
| Total Class I Railroads.....  | 7,480                     | 220  | 41   | 117  | 36   | 169   | 8,063  | 8,804                     | 259  | 147  | 1,356 | 603  | 179   | 11,348 |
| <b>GROUP II RAILROADS **</b>  |                           |      |      |      |      |       |        |                           |      |      |       |      |       |        |
| Alton & Southern Railroad   | 11                        | 0    | 0    | 0    | 0    | 0     | 11     | 14                        | 0    | 0    | 3     | 1    | 0     | 18     |
| Alaska Railroad Corp.   | 32                        | 0    | 0    | 0    | 0    | 1     | 33     | 36                        | 0    | 0    | 0     | 0    | 2     | 38     |
| Bangor & Aroostook Railroad   | 25                        | 0    | 0    | 0    | 0    | 0     | 25     | 30                        | 0    | 0    | 2     | 0    | 0     | 32     |
| Bessemer & Lake Erie Railroad Co.                                       | 6                         | 0    | 0    | 0    | 0    | 0     | 6      | 7                         | 0    | 0    | 0     | 0    | 0     | 7      |
| Belt Railway Co. Of Chicago   | 47                        | 0    | 0    | 0    | 0    | 0     | 47     | 55                        | 0    | 0    | 1     | 0    | 0     | 56     |
| Birmingham Southern Railroad Co.  | 10                        | 0    | 0    | 1    | 0    | 0     | 11     | 11                        | 0    | 0    | 1     | 0    | 0     | 12     |
| Chicago, Central & Pacific Railroad Co.                                 | 48                        | 0    | 0    | 0    | 1    | 0     | 49     | 60                        | 0    | 0    | 12    | 6    | 0     | 78     |
| Cuyahoga Valley Railway Co.   | 22                        | 0    | 0    | 0    | 0    | 0     | 22     | 27                        | 0    | 0    | 0     | 0    | 0     | 27     |
| Delaware & Hudson Railway Co.   | 30                        | 0    | 0    | 0    | 0    | 0     | 30     | 34                        | 0    | 0    | 0     | 10   | 0     | 44     |
| Dakota, Minnesota & Eastern Railroad                                    | 13                        | 0    | 0    | 0    | 0    | 0     | 13     | 19                        | 0    | 0    | 8     | 0    | 0     | 27     |
| Duluth, Missabe & Iron Range Railway                                    | 38                        | 0    | 0    | 2    | 0    | 0     | 40     | 41                        | 0    | 0    | 4     | 0    | 0     | 45     |
| Elgin, Joliet & Eastern Railway Co.                                     | 30                        | 0    | 0    | 0    | 0    | 2     | 32     | 36                        | 0    | 0    | 2     | 1    | 2     | 41     |
| Florida East Coast Railway Co.  | 23                        | 0    | 0    | 3    | 5    | 2     | 33     | 37                        | 0    | 0    | 8     | 37   | 2     | 84     |
| Fox Valley & Western Ltd.   | 22                        | 0    | 0    | 0    | 0    | 0     | 22     | 24                        | 0    | 0    | 7     | 1    | 0     | 32     |
| Gateway Western Railway   | 9                         | 1    | 0    | 0    | 0    | 0     | 10     | 11                        | 1    | 0    | 1     | 0    | 0     | 13     |
| Houston Belt & Terminal Railway Co.                                     | 20                        | 0    | 0    | 0    | 0    | 0     | 20     | 26                        | 0    | 0    | 0     | 1    | 0     | 27     |
| Indiana Harbor Belt Railroad Co.  | 58                        | 2    | 0    | 1    | 0    | 2     | 63     | 66                        | 2    | 0    | 1     | 9    | 2     | 80     |
| Long Island Rail Road   | 646                       | 17   | 34   | 106  | 2    | 5     | 810    | 693                       | 17   | 49   | 107   | 9    | 5     | 880    |
| Metro North Commuter Railroad Co.                                       | 524                       | 7    | 5    | 15   | 0    | 20    | 571    | 573                       | 7    | 8    | 18    | 3    | 21    | 630    |
| Montana Rail Link   | 36                        | 0    | 0    | 0    | 1    | 0     | 37     | 48                        | 0    | 0    | 1     | 3    | 0     | 52     |
| Northern Indiana Commuter Trans.  | 43                        | 0    | 2    | 2    | 0    | 0     | 47     | 46                        | 0    | 2    | 2     | 1    | 0     | 51     |
| Northeast Illinois Regional Comuter                                     | 110                       | 5    | 38   | 10   | 1    | 12    | 176    | 116                       | 5    | 120  | 10    | 15   | 12    | 278    |
| New Jersey Transit Rail Operations                                      | 212                       | 7    | 58   | 78   | 1    | 2     | 358    | 239                       | 7    | 83   | 80    | 7    | 2     | 418    |
| Paducah & Louisville Railway Co.  | 24                        | 0    | 0    | 0    | 0    | 0     | 24     | 26                        | 0    | 0    | 0     | 3    | 0     | 29     |
| Port Authority Trans Hudson   | 128                       | 1    | 14   | 54   | 0    | 1     | 198    | 138                       | 1    | 20   | 56    | 0    | 1     | 216    |
| Port Terminal Railroad Assoc.   | 8                         | 0    | 0    | 0    | 0    | 0     | 8      | 14                        | 0    | 0    | 1     | 0    | 0     | 15     |
| Southeastern Pennsylvania Trans.  | 209                       | 3    | 25   | 41   | 1    | 1     | 280    | 243                       | 3    | 34   | 42    | 5    | 1     | 328    |
| Southern Pacific, Chicago-St. Louis                                     | 17                        | 0    | 0    | 0    | 0    | 0     | 17     | 17                        | 0    | 0    | 0     | 0    | 0     | 17     |
| Springfield Terminal Railway Co.  | 23                        | 0    | 0    | 0    | 0    | 0     | 23     | 28                        | 0    | 0    | 2     | 0    | 0     | 30     |
| Texas Mexican Railway Co.   | 50                        | 0    | 0    | 0    | 0    | 0     | 50     | 59                        | 0    | 0    | 2     | 0    | 0     | 61     |
| Terminal Railroad Assoc. Of State Dock                                  | 3                         | 0    | 0    | 0    | 0    | 0     | 3      | 4                         | 0    | 0    | 0     | 0    | 0     | 4      |
| Union Railroad Co. (Pittsburgh)   | 21                        | 0    | 0    | 0    | 0    | 0     | 21     | 26                        | 0    | 0    | 0     | 0    | 0     | 26     |
| Wisconsin Central Ltd. (also Railway)                                   | 106                       | 0    | 0    | 4    | 0    | 0     | 110    | 129                       | 0    | 0    | 38    | 3    | 0     | 170    |
| Wheeling & Lake Erie Railway Co.  | 6                         | 0    | 0    | 2    | 0    | 0     | 8      | 10                        | 0    | 0    | 21    | 0    | 0     | 31     |
| Total Group II Railroads **.....  | 2,610                     | 43   | 176  | 319  | 12   | 48    | 3,208  | 2,943                     | 43   | 316  | 430   | 115  | 50    | 3,897  |
| <b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b> |                           |      |      |      |      |       |        |                           |      |      |       |      |       |        |
| Class I Railroads   | 7,480                     | 220  | 41   | 117  | 36   | 169   | 8,063  | 8,804                     | 259  | 147  | 1,356 | 603  | 179   | 11,348 |
| Group II Railroads **   | 2,610                     | 43   | 176  | 319  | 12   | 48    | 3,208  | 2,943                     | 43   | 316  | 430   | 115  | 50    | 3,897  |
| All Other Railroads   | 1,162                     | 4    | 21   | 11   | 6    | 20    | 1,224  | 1,333                     | 4    | 34   | 127   | 46   | 23    | 1,567  |
| Total All Railroads   | 11,252                    | 267  | 238  | 447  | 54   | 237   | 12,495 | 13,080                    | 306  | 49   | 1,913 | 764  | 252   | 16,812 |

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

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

TABLE 40. PART I: INJURIES TO EMPLOYEES ON DUTY BY TYPE OF INJURY AND RAILROAD, 1994

| Railroad  | <<.....AMPUTATIONS.....>> |        |              |     |               |       | <<.....FRACTURES.....>> |        |              |     |               |       |
|---|---------------------------|--------|--------------|-----|---------------|-------|-------------------------|--------|--------------|-----|---------------|-------|
|   | Arm/<br>Hand              | Finger | Leg/<br>Foot | Toe | Other<br>Part | Total | Arm/<br>Hand            | Finger | Leg/<br>Foot | Toe | Other<br>Part | Total |
| <b>CLASS I RAILROADS</b>  |                           |        |              |     |               |       |                         |        |              |     |               |       |
| Amtrak (Nat'l Railroad Passenger Corp)                                  | 0                         | 2      | 0            | 0   | 0             | 2     | 12                      | 21     | 20           | 13  | 12            | 78    |
| Atchison, Topeka & Santa Fe Railway                                     | 0                         | 4      | 1            | 0   | 0             | 5     | 9                       | 13     | 10           | 1   | 7             | 40    |
| Burlington Northern Railroad Co.  | 0                         | 1      | 1            | 0   | 0             | 2     | 20                      | 32     | 37           | 4   | 18            | 111   |
| Chicago and North Western Railway Co.                                   | 0                         | 1      | 0            | 0   | 0             | 1     | 11                      | 12     | 6            | 4   | 2             | 35    |
| Consolidated Rail Corp.   | 0                         | 3      | 0            | 0   | 0             | 3     | 21                      | 23     | 30           | 10  | 16            | 100   |
| CSX Transportation  | 0                         | 1      | 4            | 0   | 0             | 5     | 14                      | 16     | 15           | 6   | 6             | 57    |
| Denver & Rio Grande Western Railroad                                    | 0                         | 1      | 0            | 0   | 0             | 1     | 2                       | 2      | 1            | 0   | 2             | 7     |
| Grand Trunk Western Railroad Inc.                                       | 0                         | 3      | 0            | 0   | 0             | 3     | 2                       | 5      | 4            | 0   | 3             | 14    |
| Illinois Central Railroad Co.   | 0                         | 1      | 1            | 1   | 0             | 3     | 4                       | 2      | 2            | 0   | 6             | 14    |
| Kansas City Southern Railway Co.  | 0                         | 0      | 0            | 0   | 0             | 0     | 3                       | 3      | 4            | 1   | 5             | 16    |
| Norfolk Southern Corp.  | 2                         | 2      | 1            | 0   | 0             | 5     | 8                       | 15     | 12           | 1   | 14            | 50    |
| Soo Line Railroad Co.   | 0                         | 0      | 0            | 0   | 0             | 0     | 11                      | 2      | 5            | 0   | 5             | 23    |
| Southern Pacific Transportation Co.                                     | 0                         | 0      | 1            | 0   | 0             | 1     | 13                      | 7      | 10           | 3   | 8             | 41    |
| St. Louis Southwestern Railway Co.                                      | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 2      | 2            | 0   | 3             | 7     |
| Union Pacific Railroad Co.  | 0                         | 4      | 4            | 1   | 0             | 9     | 19                      | 35     | 21           | 7   | 12            | 94    |
| Total Class I Railroads.....  | 2                         | 23     | 13           | 2   | 0             | 40    | 149                     | 190    | 179          | 50  | 119           | 687   |
| <b>GROUP II RAILROADS **</b>  |                           |        |              |     |               |       |                         |        |              |     |               |       |
| Alton & Southern Railroad   | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 0      | 0            | 0   | 0             | 0     |
| Alaska Railroad Corp.   | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 0      | 1            | 0   | 1             | 2     |
| Bangor & Aroostook Railroad   | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 0      | 0            | 0   | 0             | 0     |
| Bessemer & Lake Erie Railroad Co.                                       | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 0      | 0            | 0   | 0             | 0     |
| Belt Railway Co. Of Chicago   | 0                         | 0      | 0            | 0   | 0             | 0     | 2                       | 0      | 3            | 0   | 1             | 6     |
| Birmingham Southern Railroad Co.  | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 1      | 0            | 0   | 0             | 1     |
| Chicago, Central & Pacific Railroad                                     | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 3      | 4            | 0   | 1             | 8     |
| Cuyahoga Valley Railway Co.   | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 0      | 0            | 0   | 0             | 0     |
| Delaware & Hudson Railway Co.   | 0                         | 0      | 0            | 0   | 0             | 0     | 1                       | 0      | 3            | 0   | 0             | 4     |
| Dakota, Minnesota & Eastern Railroad                                    | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 1      | 0            | 0   | 0             | 1     |
| Duluth, Missabe & Iron Range Railway                                    | 1                         | 0      | 0            | 0   | 0             | 1     | 0                       | 1      | 0            | 0   | 0             | 1     |
| Elgin, Joliet & Eastern Railway Co.                                     | 0                         | 0      | 0            | 0   | 0             | 0     | 1                       | 1      | 0            | 0   | 0             | 2     |
| Florida East Coast Railway Co.  | 0                         | 0      | 0            | 0   | 0             | 0     | 1                       | 2      | 0            | 0   | 0             | 3     |
| Fox Valley & Western Ltd.   | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 0      | 0            | 0   | 0             | 0     |
| Gateway Western Railway   | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 1      | 0            | 0   | 0             | 1     |
| Houston Belt & Terminal Railway Co.                                     | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 0      | 0            | 0   | 0             | 0     |
| Indiana Harbor Belt Railroad Co.  | 0                         | 1      | 0            | 0   | 0             | 1     | 1                       | 1      | 0            | 3   | 2             | 7     |
| Long Island Rail Road   | 0                         | 0      | 0            | 0   | 0             | 0     | 2                       | 6      | 0            | 0   | 2             | 10    |
| Metro North Commuter Railroad Co.                                       | 0                         | 0      | 0            | 0   | 0             | 0     | 4                       | 5      | 2            | 4   | 8             | 23    |
| Montana Rail Link   | 0                         | 0      | 0            | 0   | 0             | 0     | 1                       | 1      | 0            | 0   | 1             | 3     |
| Northern Indiana Commuter Trans.  | 0                         | 0      | 0            | 0   | 0             | 0     | 1                       | 0      | 0            | 0   | 0             | 1     |
| Northeast Illinois Regional Commuter                                    | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 1      | 4            | 3   | 1             | 9     |
| New Jersey Transit Rail Operations                                      | 0                         | 0      | 0            | 0   | 0             | 0     | 8                       | 4      | 1            | 1   | 3             | 17    |
| Paducah & Louisville Railway Co.  | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 0      | 0            | 0   | 0             | 0     |
| Port Authority Trans Hudson   | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 0      | 0            | 2   | 0             | 2     |
| Port Terminal Railroad Assoc.   | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 2      | 2            | 0   | 0             | 4     |
| Southeastern Pennsylvania Trans.  | 0                         | 0      | 0            | 0   | 0             | 0     | 1                       | 5      | 4            | 2   | 1             | 13    |
| Southern Pacific, Chicago-St. Louis                                     | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 1      | 1            | 0   | 0             | 2     |
| Springfield Terminal Railway Co.  | 0                         | 0      | 0            | 0   | 0             | 0     | 1                       | 2      | 0            | 2   | 1             | 6     |
| Texas Mexican Railway Co.   | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 1      | 1            | 1   | 0             | 3     |
| Terminal Railroad Assoc. Of State Dock                                  | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 1      | 0            | 0   | 0             | 1     |
| Union Railroad Co. (Pittsburgh)   | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 1      | 0            | 1   | 1             | 3     |
| Wisconsin Central Ltd. (also Railway)                                   | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 2      | 2            | 1   | 4             | 9     |
| Wheeling & Lake Erie Railway Co.  | 0                         | 0      | 0            | 0   | 0             | 0     | 0                       | 0      | 1            | 0   | 0             | 1     |
| Total Group II Railroads **.....  | 1                         | 1      | 0            | 0   | 0             | 2     | 24                      | 43     | 29           | 20  | 27            | 143   |
| <b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b> |                           |        |              |     |               |       |                         |        |              |     |               |       |
| Class I Railroads   | 2                         | 23     | 13           | 2   | 0             | 40    | 149                     | 190    | 179          | 50  | 119           | 687   |
| Group II Railroads **   | 1                         | 1      | 0            | 0   | 0             | 2     | 24                      | 43     | 29           | 20  | 27            | 143   |
| All Other Railroads   | 1                         | 7      | 0            | 0   | 0             | 8     | 16                      | 25     | 27           | 9   | 18            | 95    |
| Total All Railroads   | 4                         | 31     | 13           | 2   | 0             | 50    | 189                     | 258    | 235          | 79  | 164           | 925   |

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

TABLE 40. PART II: INJURIES TO EMPLOYEES ON DUTY BY TYPE OF INJURY AND RAILROAD, 1994

| Railroad  | <<..... OTHER INJURIES .....>> |                   |       |              |                |                  |                  |       | Total  | TOTALS |
|---|--------------------------------|-------------------|-------|--------------|----------------|------------------|------------------|-------|--------|--------|
|   | Bruise                         | Sprain/<br>Strain | Cut   | Elec<br>Burn | Other<br>Burns | Dislo-<br>cation | Object<br>in-eye | Other |        |        |
| <b>CLASS I RAILROADS</b>  |                                |                   |       |              |                |                  |                  |       |        |        |
| Amtrak (Nat'l Railroad Passenger Corp.)                                 | 349                            | 618               | 152   | 14           | 19             | 7                | 20               | 97    | 1,276  | 1,356  |
| Atchison, Topeka & Santa Fe Railway                                     | 48                             | 188               | 62    | 1            | 6              | 5                | 13               | 40    | 363    | 408    |
| Burlington Northern Railroad Co.  | 154                            | 603               | 163   | 0            | 11             | 15               | 47               | 58    | 1,051  | 1,164  |
| Chicago and North Western Railway Co.                                   | 19                             | 145               | 24    | 1            | 1              | 0                | 17               | 11    | 218    | 254    |
| Consolidated Rail Corp.   | 222                            | 658               | 101   | 6            | 9              | 11               | 41               | 72    | 1,120  | 1,223  |
| CSX Transportation  | 99                             | 379               | 71    | 3            | 7              | 4                | 16               | 59    | 638    | 700    |
| Denver & Rio Grande Western Railroad                                    | 16                             | 61                | 8     | 1            | 2              | 0                | 7                | 8     | 103    | 111    |
| Grand Trunk Western Railroad Inc.                                       | 38                             | 138               | 19    | 0            | 1              | 0                | 7                | 20    | 223    | 240    |
| Illinois Central Railroad Co.   | 18                             | 37                | 15    | 2            | 4              | 0                | 5                | 7     | 88     | 105    |
| Kansas City Southern Railway Co.  | 20                             | 44                | 5     | 0            | 0              | 5                | 2                | 8     | 84     | 100    |
| Norfolk Southern Corp.  | 49                             | 180               | 65    | 0            | 6              | 6                | 9                | 60    | 375    | 430    |
| Soo Line Railroad Co.   | 62                             | 274               | 32    | 1            | 7              | 0                | 11               | 29    | 416    | 439    |
| Southern Pacific Transportation Co.                                     | 115                            | 397               | 58    | 2            | 6              | 2                | 36               | 64    | 680    | 722    |
| St. Louis Southwestern Railway Co.                                      | 24                             | 62                | 15    | 0            | 0              | 1                | 4                | 4     | 110    | 117    |
| Union Pacific Railroad Co.  | 133                            | 645               | 136   | 2            | 11             | 50               | 0                | 167   | 1,144  | 1,247  |
| Total Class I Railroads.....  | 1,366                          | 4,429             | 926   | 33           | 90             | 106              | 235              | 704   | 7,889  | 8,616  |
| <b>GROUP II RAILROADS **</b>  |                                |                   |       |              |                |                  |                  |       |        |        |
| Alton & Southern Railroad   | 3                              | 8                 | 2     | 0            | 0              | 1                | 0                | 0     | 14     | 14     |
| Alaska Railroad Corp.   | 6                              | 15                | 2     | 0            | 1              | 0                | 1                | 5     | 30     | 32     |
| Bangor & Aroostook Railroad   | 3                              | 11                | 4     | 0            | 2              | 0                | 5                | 5     | 30     | 30     |
| Bessemer & Lake Erie Railroad Co.                                       | 0                              | 3                 | 1     | 0            | 1              | 0                | 0                | 2     | 7      | 7      |
| Belt Railway Co. Of Chicago   | 17                             | 23                | 4     | 0            | 1              | 0                | 2                | 1     | 48     | 54     |
| Birmingham Southern Railroad Co.  | 1                              | 4                 | 2     | 0            | 0              | 0                | 1                | 2     | 10     | 11     |
| Chicago, Central & Pacific Railroad                                     | 11                             | 30                | 4     | 1            | 1              | 1                | 0                | 3     | 51     | 59     |
| Cuyahoga Valley Railway Co.   | 5                              | 9                 | 5     | 0            | 1              | 0                | 4                | 3     | 27     | 27     |
| Delaware & Hudson Railway Co.   | 4                              | 15                | 7     | 0            | 1              | 0                | 0                | 3     | 30     | 34     |
| Dakota, Minnesota & Eastern Railroad                                    | 1                              | 9                 | 2     | 0            | 0              | 0                | 6                | 0     | 18     | 19     |
| Duluth, Missabe & Iron Range Railway                                    | 5                              | 22                | 4     | 0            | 2              | 0                | 3                | 0     | 36     | 38     |
| Elgin, Joliet & Eastern Railway Co.                                     | 3                              | 14                | 6     | 0            | 0              | 0                | 9                | 1     | 33     | 35     |
| Florida East Coast Railway Co.  | 7                              | 24                | 0     | 0            | 0              | 0                | 1                | 2     | 34     | 37     |
| Fox Valley & Western Ltd.   | 4                              | 11                | 4     | 0            | 0              | 0                | 3                | 1     | 23     | 23     |
| Gateway Western Railway   | 5                              | 5                 | 0     | 0            | 0              | 0                | 0                | 0     | 10     | 11     |
| Houston Belt & Terminal Railway Co.                                     | 2                              | 19                | 3     | 0            | 0              | 0                | 0                | 2     | 26     | 26     |
| Indiana Harbor Belt Railroad Co.  | 10                             | 30                | 8     | 0            | 0              | 3                | 4                | 3     | 58     | 66     |
| Long Island Rail Road   | 113                            | 401               | 64    | 14           | 6              | 2                | 37               | 34    | 671    | 681    |
| Metro North Commuter Railroad Co.                                       | 116                            | 278               | 63    | 7            | 4              | 10               | 25               | 24    | 527    | 550    |
| Montana Rail Link   | 7                              | 23                | 6     | 0            | 1              | 0                | 3                | 3     | 43     | 46     |
| Northern Indiana Commuter Trans.  | 5                              | 20                | 5     | 2            | 0              | 0                | 2                | 11    | 45     | 46     |
| Northeast Illinois Regional Comuter                                     | 21                             | 52                | 13    | 1            | 3              | 1                | 5                | 9     | 105    | 114    |
| New Jersey Transit Rail Operations                                      | 41                             | 96                | 28    | 1            | 1              | 2                | 9                | 29    | 207    | 224    |
| Paducah & Louisville Railway Co.  | 1                              | 17                | 2     | 0            | 2              | 0                | 2                | 2     | 26     | 26     |
| Port Authority Trans Hudson   | 45                             | 60                | 12    | 2            | 1              | 1                | 8                | 6     | 135    | 137    |
| Port Terminal Railroad Assoc.   | 1                              | 6                 | 2     | 0            | 0              | 0                | 0                | 1     | 10     | 14     |
| Southeastern Pennsylvania Trans.  | 45                             | 121               | 17    | 1            | 1              | 1                | 12               | 28    | 226    | 239    |
| Southern Pacific, Chicago-St. Louis                                     | 3                              | 9                 | 1     | 0            | 0              | 0                | 0                | 2     | 15     | 17     |
| Springfield Terminal Railway Co.  | 5                              | 9                 | 7     | 0            | 0              | 0                | 0                | 1     | 22     | 28     |
| Texas Mexican Railway Co.   | 14                             | 23                | 0     | 0            | 1              | 0                | 10               | 5     | 53     | 56     |
| Terminal Railroad Assoc. Of State Dock                                  | 0                              | 2                 | 1     | 0            | 0              | 0                | 0                | 0     | 3      | 4      |
| Union Railroad Co. (Pittsburgh)   | 2                              | 7                 | 6     | 0            | 0              | 0                | 6                | 2     | 23     | 26     |
| Wisconsin Central Ltd. (also Railway)                                   | 15                             | 66                | 12    | 0            | 3              | 1                | 7                | 11    | 115    | 124    |
| Wheeling & Lake Erie Railway Co.  | 1                              | 2                 | 3     | 0            | 0              | 1                | 0                | 2     | 9      | 10     |
| Total Group II Railroads **.....  | 522                            | 1,444             | 300   | 29           | 33             | 24               | 165              | 203   | 2,720  | 2,865  |
| <b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b> |                                |                   |       |              |                |                  |                  |       |        |        |
| Class I Railroads   | 1,366                          | 4,429             | 926   | 33           | 90             | 106              | 235              | 704   | 7,889  | 8,616  |
| Group II Railroads **   | 522                            | 1,444             | 300   | 29           | 33             | 24               | 165              | 203   | 2,720  | 2,865  |
| All Other Railroads   | 219                            | 555               | 186   | 8            | 22             | 18               | 101              | 102   | 1,211  | 1,314  |
| Total All Railroads   | 2,107                          | 6,428             | 1,412 | 70           | 145            | 148              | 501              | 1,009 | 11,820 | 12,795 |

\*\* 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, 1994

| Railroad  | < COLLISIONS > |     | < DERAILMENTS > |     | <...OTHER...>  |     | < T O T A L >  |     | Rate* | Train Miles |
|---|----------------|-----|-----------------|-----|----------------|-----|----------------|-----|-------|-------------|
|   | Killed/Injured |     | Killed/Injured  |     | Killed/Injured |     | Killed/Injured |     |       |             |
| <b>CLASS I RAILROADS</b>  |                |     |                 |     |                |     |                |     |       |             |
| Amtrak (Nat'l Railroad Passenger Corp.)                                 | 1              | 46  | 0               | 52  | 14             | 22  | 15             | 120 | 3.13  | 43,066,839  |
| Atchison, Topeka & Santa Fe Railway                                     | 0              | 7   | 0               | 1   | 1              | 4   | 1              | 12  | 0.26  | 50,875,427  |
| Burlington Northern Railroad Co.  | 2              | 8   | 0               | 4   | 2              | 26  | 4              | 38  | 0.46  | 90,588,429  |
| Chicago and North Western Railway Co.                                   | 0              | 1   | 0               | 1   | 1              | 2   | 1              | 4   | 0.25  | 20,349,429  |
| Consolidated Rail Corp.   | 0              | 5   | 0               | 2   | 1              | 5   | 1              | 12  | 0.27  | 47,702,250  |
| CSX Transportation  | 0              | 1   | 2               | 15  | 3              | 20  | 5              | 36  | 0.51  | 80,544,932  |
| Denver & Rio Grande Western Railroad                                    | 0              | 0   | 0               | 3   | 0              | 0   | 0              | 3   | 0.46  | 6,507,693   |
| Grand Trunk Western Railroad Inc.                                       | 0              | 4   | 0               | 1   | 0              | 0   | 0              | 5   | 0.97  | 5,149,122   |
| Illinois Central Railroad Co.   | 1              | 3   | 0               | 11  | 0              | 0   | 1              | 14  | 1.74  | 8,611,009   |
| Kansas City Southern Railway Co.  | 0              | 5   | 0               | 2   | 0              | 4   | 0              | 11  | 1.57  | 6,985,387   |
| Norfolk Southern Corp.  | 0              | 4   | 0               | 5   | 3              | 10  | 3              | 19  | 0.37  | 58,750,451  |
| Soo Line Railroad Co.   | 0              | 6   | 0               | 2   | 1              | 0   | 1              | 8   | 0.97  | 9,311,163   |
| Southern Pacific Transportation Co.                                     | 4              | 3   | 0               | 6   | 4              | 7   | 8              | 16  | 0.61  | 39,043,395  |
| St. Louis Southwestern Railway Co.                                      | 0              | 0   | 0               | 0   | 0              | 5   | 0              | 5   | 0.53  | 9,484,812   |
| Union Pacific Railroad Co.  | 0              | 3   | 0               | 5   | 3              | 12  | 3              | 20  | 0.24  | 96,075,979  |
| Total Class I Railroads.....  | 8              | 96  | 2               | 110 | 33             | 117 | 43             | 323 | 0.64  | 573,046,317 |
| <b>GROUP II RAILROADS **</b>  |                |     |                 |     |                |     |                |     |       |             |
| Alton & Southern Railroad   | 0              | 0   | 0               | 0   | 0              | 0   | 0              | 0   | 0.00  | 744,291     |
| Alaska Railroad Corp.   | 0              | 0   | 0               | 0   | 1              | 3   | 1              | 3   | 4.65  | 859,403     |
| Bangor & Aroostook Railroad   | 0              | 0   | 0               | 0   | 0              | 0   | 0              | 0   | 0.00  | 417,775     |
| Bessemer & Lake Erie Railroad Co.                                       | 0              | 0   | 0               | 0   | 0              | 0   | 0              | 0   | 0.00  | 197,331     |
| Belt Railway Co. Of Chicago   | 0              | 1   | 0               | 0   | 0              | 0   | 0              | 1   | 2.68  | 373,736     |
| Birmingham Southern Railroad Co.  | 0              | 0   | 0               | 0   | 0              | 0   | 0              | 0   | 0.00  | 94,290      |
| Chicago, Central & Pacific Railroad                                     | 0              | 2   | 0               | 0   | 0              | 0   | 0              | 2   | 2.15  | 928,401     |
| Cuyahoga Valley Railway Co.   | 0              | 0   | 0               | 0   | 0              | 0   | 0              | 0   | 0.00  | 33,247      |
| Delaware & Hudson Railway Co.   | 0              | 0   | 0               | 0   | 0              | 0   | 0              | 0   | 0.00  | 2,055,180   |
| Dakota, Minnesota & Eastern Railroad                                    | 0              | 0   | 0               | 0   | 0              | 0   | 0              | 0   | 0.00  | 640,861     |
| Duluth, Missabe & Iron Range Railway                                    | 0              | 0   | 0               | 0   | 0              | 0   | 0              | 0   | 0.00  | 723,709     |
| Elgin, Joliet & Eastern Railway Co.                                     | 0              | 0   | 0               | 0   | 0              | 0   | 0              | 0   | 0.00  | 570,530     |
| Florida East Coast Railway Co.  | 0              | 2   | 0               | 0   | 0              | 0   | 0              | 2   | 0.54  | 3,673,434   |
| Fox Valley & Western Ltd.   | 0              | 0   | 0               | 0   | 0              | 0   | 0              | 0   | 0.00  | 513,215     |
| Gateway Western Railway   | 0              | 0   | 0               | 0   | 0              | 0   | 0              | 0   | 0.00  | 879,746     |
| Houston Belt & Terminal Railway Co.                                     | 0              | 1   | 0               | 0   | 0              | 1   | 0              | 2   | 2.30  | 870,084     |
| Indiana Harbor Belt Railroad Co.  | 0              | 0   | 0               | 0   | 0              | 0   | 0              | 0   | 0.00  | 1,287,574   |
| Long Island Rail Road   | 0              | 3   | 0               | 3   | 1              | 9   | 1              | 15  | 1.97  | 8,141,369   |
| Metro North Commuter Railroad Co.                                       | 0              | 2   | 0               | 0   | 0              | 5   | 0              | 7   | 0.95  | 7,374,073   |
| Montana Rail Link   | 0              | 1   | 0               | 0   | 0              | 0   | 0              | 1   | 0.28  | 3,524,089   |
| Northern Indiana Commuter Trans.  | 0              | 0   | 0               | 0   | 0              | 1   | 0              | 1   | 1.40  | 712,722     |
| Northeast Illinois Regional Comuter                                     | 0              | 0   | 0               | 0   | 0              | 76  | 0              | 76  | 23.50 | 3,233,688   |
| New Jersey Transit Rail Operations                                      | 0              | 1   | 0               | 1   | 0              | 3   | 0              | 5   | 0.67  | 7,442,993   |
| Paducah & Louisville Railway Co.  | 0              | 0   | 0               | 0   | 0              | 0   | 0              | 0   | 0.00  | 681,362     |
| Port Authority Trans Hudson   | 0              | 0   | 0               | 0   | 0              | 0   | 0              | 0   | 0.00  | 1,676,057   |
| Port Terminal Railroad Assoc.   | 0              | 0   | 0               | 0   | 0              | 0   | 0              | 0   | 0.00  | 1,058,496   |
| Southeastern Pennsylvania Trans.  | 0              | 2   | 0               | 0   | 0              | 2   | 0              | 4   | 0.81  | 4,964,483   |
| Southern Pacific, Chicago-St. Louis                                     | 0              | 0   | 0               | 0   | 0              | 0   | 0              | 0   | 0.00  | 1,829,507   |
| Springfield Terminal Railway Co.  | 0              | 0   | 0               | 0   | 0              | 0   | 0              | 0   | 0.00  | 1,073,151   |
| Texas Mexican Railway Co.   | 0              | 0   | 0               | 0   | 0              | 0   | 0              | 0   | 0.00  | 225,330     |
| Terminal Railroad Assoc. Of State Dock                                  | 0              | 0   | 0               | 0   | 0              | 0   | 0              | 0   | 0.00  | 501,008     |
| Union Railroad Co. (Pittsburgh)   | 0              | 0   | 0               | 1   | 0              | 0   | 0              | 1   | 6.50  | 153,964     |
| Wisconsin Central Ltd. (also Railway)                                   | 0              | 2   | 0               | 0   | 0              | 1   | 0              | 3   | 0.83  | 3,595,393   |
| Wheeling & Lake Erie Railway Co.  | 0              | 0   | 0               | 1   | 0              | 0   | 0              | 1   | 1.70  | 588,046     |
| Total Group II Railroads **.....  | 0              | 17  | 0               | 6   | 2              | 101 | 2              | 124 | 2.04  | 61,638,538  |
| <b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b> |                |     |                 |     |                |     |                |     |       |             |
| Class I Railroads   | 8              | 96  | 2               | 110 | 33             | 117 | 43             | 323 | 0.64  | 573,046,317 |
| Group II Railroads **   | 0              | 17  | 0               | 6   | 2              | 101 | 2              | 124 | 2.04  | 61,638,538  |
| All Other Railroads   | 0              | 5   | 0               | 4   | 0              | 4   | 0              | 13  | 0.64  | 20,398,201  |
| Total All Railroads   | 8              | 118 | 2               | 120 | 35             | 222 | 45             | 460 | 0.77  | 655,083,056 |

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

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

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TABLE 42. PART I: CASUALTIES TO EMPLOYEES ON-DUTY BY JOB CATEGORY AND RAILROAD, 1994

| Railroad  | I. Exec Office Staff<br>II. Prof, Clerical, Gen |         |         | III. Maintenance of<br>Way & Structures |         |         | IV. Maintenance of<br>Equipment & Stores |         |         |
|---|---|---------|---------|---|---------|---------|--|---------|---------|
|   | Killed  | Injured | Illness | Killed                                  | Injured | Illness | Killed                                   | Injured | Illness |
| <b>CLASS I RAILROADS</b>  |   |         |         |   |         |         |  |         |         |
| Amtrak (Nat'l Railroad Passenger Corp.)                                 | 0   | 112     | 0       | 0                                       | 279     | 3       | 0  | 390     | 2       |
| Atchison, Topeka & Santa Fe Railway                                     | 0   | 11      | 2       | 2                                       | 156     | 8       | 0  | 60      | 2       |
| Burlington Northern Railroad Co.  | 1   | 32      | 0       | 0                                       | 424     | 16      | 0  | 211     | 4       |
| Chicago and North Western Railway Co.                                   | 0   | 11      | 0       | 0                                       | 64      | 5       | 0  | 77      | 6       |
| Consolidated Rail Corp.   | 0   | 59      | 0       | 1                                       | 238     | 1       | 0  | 318     | 2       |
| CSX Transportation  | 0   | 34      | 0       | 1                                       | 169     | 2       | 0  | 119     | 0       |
| Denver & Rio Grande Western Railroad                                    | 0   | 3       | 0       | 0                                       | 12      | 2       | 0  | 48      | 11      |
| Grand Trunk Western Railroad Inc.                                       | 0   | 7       | 1       | 0                                       | 35      | 0       | 0  | 68      | 1       |
| Illinois Central Railroad Co.   | 0   | 2       | 0       | 0                                       | 39      | 0       | 0  | 21      | 0       |
| Kansas City Southern Railway Co.  | 0   | 0       | 0       | 0                                       | 37      | 0       | 0  | 12      | 0       |
| Norfolk Southern Corp.  | 0   | 18      | 0       | 0                                       | 85      | 0       | 0  | 149     | 2       |
| Soo Line Railroad Co.   | 0   | 5       | 2       | 0                                       | 131     | 4       | 0  | 63      | 2       |
| Southern Pacific Transportation Co.                                     | 0   | 72      | 9       | 0                                       | 138     | 8       | 0  | 120     | 2       |
| St. Louis Southwestern Railway Co.                                      | 0   | 8       | 0       | 0                                       | 25      | 0       | 0  | 22      | 2       |
| Union Pacific Railroad Co.  | 0   | 82      | 10      | 1                                       | 265     | 9       | 1  | 295     | 15      |
| Total Class I Railroads.....  | 1   | 456     | 24      | 5                                       | 2,097   | 58      | 1  | 1,973   | 51      |
| <b>GROUP II RAILROADS **</b>  |   |         |         |   |         |         |  |         |         |
| Alton & Southern Railroad   | 0   | 1       | 0       | 0                                       | 2       | 0       | 0  | 5       | 0       |
| Alaska Railroad Corp.   | 0   | 2       | 0       | 0                                       | 9       | 2       | 0  | 11      | 1       |
| Bangor & Aroostook Railroad   | 0   | 0       | 0       | 0                                       | 11      | 0       | 0  | 14      | 0       |
| Bessemer & Lake Erie Railroad Co.                                       | 1   | 0       | 0       | 0                                       | 5       | 0       | 0  | 1       | 0       |
| Belt Railway Co. Of Chicago   | 0   | 2       | 0       | 0                                       | 12      | 1       | 0  | 16      | 0       |
| Birmingham Southern Railroad Co.  | 0   | 0       | 0       | 0                                       | 6       | 0       | 0  | 4       | 0       |
| Chicago, Central & Pacific Railroad                                     | 0   | 2       | 0       | 0                                       | 21      | 1       | 0  | 9       | 0       |
| Cuyahoga Valley Railway Co.   | 0   | 0       | 0       | 0                                       | 4       | 0       | 0  | 12      | 0       |
| Delaware & Hudson Railway Co.   | 0   | 2       | 0       | 0                                       | 7       | 0       | 0  | 9       | 0       |
| Dakota, Minnesota & Eastern Railroad                                    | 0   | 0       | 0       | 0                                       | 5       | 0       | 0  | 4       | 0       |
| Duluth, Missabe & Iron Range Railway                                    | 0   | 0       | 0       | 0                                       | 19      | 1       | 0  | 12      | 2       |
| Elgin, Joliet & Eastern Railway Co.                                     | 0   | 2       | 0       | 0                                       | 13      | 0       | 0  | 2       | 0       |
| Florida East Coast Railway Co.  | 0   | 1       | 0       | 0                                       | 5       | 0       | 0  | 2       | 0       |
| Fox Valley & Western Ltd.   | 0   | 1       | 0       | 0                                       | 7       | 1       | 0  | 0       | 0       |
| Gateway Western Railway   | 0   | 0       | 0       | 0                                       | 3       | 0       | 0  | 1       | 0       |
| Houston Belt & Terminal Railway Co.                                     | 0   | 1       | 0       | 0                                       | 6       | 0       | 0  | 3       | 0       |
| Indiana Harbor Belt Railroad Co.  | 0   | 4       | 0       | 0                                       | 19      | 0       | 0  | 5       | 0       |
| Long Island Rail Road   | 0   | 72      | 3       | 0                                       | 186     | 7       | 0  | 244     | 2       |
| Metro North Commuter Railroad Co.                                       | 0   | 119     | 4       | 1                                       | 161     | 3       | 0  | 169     | 4       |
| Montana Rail Link   | 0   | 1       | 2       | 0                                       | 14      | 0       | 0  | 5       | 0       |
| Northern Indiana Commuter Trans.  | 0   | 1       | 0       | 0                                       | 33      | 0       | 0  | 9       | 0       |
| Northeast Illinois Regional Comuter                                     | 0   | 14      | 0       | 0                                       | 37      | 0       | 0  | 39      | 0       |
| New Jersey Transit Rail Operations                                      | 0   | 18      | 1       | 0                                       | 81      | 5       | 0  | 47      | 1       |
| Paducah & Louisville Railway Co.  | 0   | 0       | 0       | 0                                       | 9       | 0       | 0  | 7       | 0       |
| Port Authority Trans Hudson   | 0   | 8       | 0       | 0                                       | 52      | 1       | 0  | 38      | 0       |
| Port Terminal Railroad Assoc.   | 0   | 0       | 0       | 0                                       | 2       | 0       | 0  | 1       | 0       |
| Southeastern Pennsylvania Trans.  | 0   | 3       | 0       | 0                                       | 73      | 1       | 0  | 48      | 0       |
| Southern Pacific, Chicago-St. Louis                                     | 0   | 0       | 0       | 0                                       | 7       | 0       | 0  | 0       | 0       |
| Springfield Terminal Railway Co.  | 0   | 0       | 0       | 0                                       | 11      | 0       | 0  | 8       | 0       |
| Texas Mexican Railway Co.   | 0   | 6       | 0       | 0                                       | 16      | 2       | 0  | 19      | 0       |
| Terminal Railroad Assoc. Of State Dock                                  | 0   | 0       | 0       | 0                                       | 0       | 0       | 1  | 0       | 0       |
| Union Railroad Co. (Pittsburgh)   | 0   | 0       | 0       | 0                                       | 4       | 0       | 0  | 7       | 0       |
| Wisconsin Central Ltd. (also Railway)                                   | 0   | 3       | 1       | 0                                       | 40      | 2       | 0  | 28      | 0       |
| Wheeling & Lake Erie Railway Co.  | 0   | 0       | 0       | 0                                       | 2       | 0       | 0  | 2       | 0       |
| Total Group II Railroads **.....  | 1   | 263     | 11      | 1                                       | 882     | 27      | 1  | 781     | 10      |
| <b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b> |   |         |         |   |         |         |  |         |         |
| Class I Railroads   | 1   | 456     | 24      | 5                                       | 2,097   | 58      | 1  | 1,973   | 51      |
| Group II Railroads **   | 1   | 263     | 11      | 1                                       | 882     | 27      | 1  | 781     | 10      |
| All Other Railroads   | 0   | 33      | 1       | 0                                       | 506     | 11      | 0  | 291     | 1       |
| Total All Railroads   | 2   | 752     | 36      | 6                                       | 3,485   | 96      | 2  | 3,045   | 62      |

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

TABLE 42. PART II: CASUALTIES TO EMPLOYEES ON-DUTY BY JOB CATEGORY AND RAILROAD, 1994

| Railroad  | V. Transportation<br>Non-train & Engine |         |         | VI. Transportation<br>Train & Engine |         |         |
|---|---|---------|---------|--------------------------------------|---------|---------|
|   | Killed                                  | Injured | Illness | Killed                               | Injured | Illness |
| <b>CLASS I RAILROADS</b>  |   |         |         |                                      |         |         |
| Amtrak (Nat'l Railroad Passenger Corp)                                  | 0                                       | 392     | 4       | 1                                    | 183     | 2       |
| Atchison, Topeka & Santa Fe Railway                                     | 0                                       | 3       | 1       | 0                                    | 178     | 3       |
| Burlington Northern Railroad Co.  | 0                                       | 7       | 0       | 5                                    | 490     | 10      |
| Chicago and North Western Railway Co.                                   | 0                                       | 8       | 0       | 0                                    | 94      | 2       |
| Consolidated Rail Corp.   | 0                                       | 30      | 0       | 2                                    | 578     | 10      |
| CSX Transportation  | 0                                       | 19      | 0       | 1                                    | 359     | 2       |
| Denver & Rio Grande Western Railroad                                    | 0                                       | 1       | 1       | 0                                    | 47      | 1       |
| Grand Trunk Western Railroad Inc.                                       | 0                                       | 1       | 0       | 0                                    | 129     | 5       |
| Illinois Central Railroad Co.   | 0                                       | 1       | 0       | 1                                    | 42      | 0       |
| Kansas City Southern Railway Co.  | 0                                       | 1       | 0       | 0                                    | 50      | 0       |
| Norfolk Southern Corp.  | 0                                       | 5       | 0       | 0                                    | 173     | 0       |
| Soo Line Railroad Co.   | 0                                       | 5       | 0       | 0                                    | 235     | 4       |
| Southern Pacific Transportation Co.                                     | 0                                       | 16      | 2       | 5                                    | 376     | 5       |
| St. Louis Southwestern Railway Co.                                      | 0                                       | 1       | 0       | 1                                    | 61      | 0       |
| Union Pacific Railroad Co.  | 0                                       | 12      | 0       | 3                                    | 593     | 3       |
| Total Class I Railroads.....  | 0                                       | 502     | 8       | 19                                   | 3,588   | 47      |
| <b>GROUP II RAILROADS **</b>  |   |         |         |                                      |         |         |
| Alton & Southern Railroad   | 0                                       | 0       | 0       | 0                                    | 6       | 0       |
| Alaska Railroad Corp.   | 0                                       | 1       | 0       | 1                                    | 9       | 1       |
| Bangor & Aroostook Railroad   | 0                                       | 0       | 0       | 0                                    | 5       | 0       |
| Bessemer & Lake Erie Railroad Co.                                       | 0                                       | 0       | 0       | 0                                    | 1       | 0       |
| Belt Railway Co. Of Chicago   | 0                                       | 0       | 0       | 0                                    | 24      | 0       |
| Birmingham Southern Railroad Co.  | 0                                       | 0       | 0       | 0                                    | 1       | 0       |
| Chicago, Central & Pacific Railroad                                     | 0                                       | 0       | 0       | 0                                    | 27      | 0       |
| Cuyahoga Valley Railway Co.   | 0                                       | 0       | 0       | 0                                    | 11      | 0       |
| Delaware & Hudson Railway Co.   | 0                                       | 1       | 0       | 0                                    | 15      | 0       |
| Dakota, Minnesota & Eastern Railroad                                    | 0                                       | 0       | 0       | 0                                    | 10      | 0       |
| Duluth, Missabe & Iron Range Railway                                    | 0                                       | 0       | 0       | 0                                    | 7       | 0       |
| Elgin, Joliet & Eastern Railway Co.                                     | 0                                       | 4       | 0       | 0                                    | 14      | 1       |
| Florida East Coast Railway Co.  | 0                                       | 1       | 0       | 0                                    | 28      | 0       |
| Fox Valley & Western Ltd.   | 0                                       | 2       | 0       | 0                                    | 13      | 0       |
| Gateway Western Railway   | 0                                       | 0       | 0       | 0                                    | 7       | 0       |
| Houston Belt & Terminal Railway Co.                                     | 0                                       | 0       | 0       | 0                                    | 16      | 0       |
| Indiana Harbor Belt Railroad Co.  | 0                                       | 2       | 0       | 0                                    | 36      | 0       |
| Long Island Rail Road   | 0                                       | 11      | 0       | 0                                    | 168     | 0       |
| Metro North Commuter Railroad Co.                                       | 0                                       | 1       | 1       | 0                                    | 100     | 11      |
| Montana Rail Link   | 0                                       | 0       | 0       | 0                                    | 26      | 0       |
| Northern Indiana Commuter Trans.  | 0                                       | 0       | 0       | 0                                    | 3       | 0       |
| Northeast Illinois Regional Comuter                                     | 0                                       | 1       | 0       | 0                                    | 23      | 2       |
| New Jersey Transit Rail Operations                                      | 0                                       | 3       | 0       | 0                                    | 75      | 8       |
| Paducah & Louisville Railway Co.  | 0                                       | 0       | 0       | 0                                    | 10      | 0       |
| Port Authority Trans Hudson   | 0                                       | 2       | 0       | 0                                    | 37      | 0       |
| Port Terminal Railroad Assoc.   | 0                                       | 0       | 0       | 1                                    | 11      | 0       |
| Southeastern Pennsylvania Trans.  | 0                                       | 18      | 1       | 0                                    | 97      | 2       |
| Southern Pacific, Chicago-St. Louis                                     | 0                                       | 0       | 0       | 0                                    | 10      | 0       |
| Springfield Terminal Railway Co.  | 0                                       | 2       | 0       | 0                                    | 7       | 0       |
| Texas Mexican Railway Co.   | 0                                       | 1       | 0       | 0                                    | 14      | 1       |
| Terminal Railroad Assoc. Of State Dock                                  | 0                                       | 0       | 0       | 0                                    | 4       | 0       |
| Union Railroad Co. (Pittsburgh)   | 0                                       | 1       | 0       | 0                                    | 14      | 0       |
| Wisconsin Central Ltd. (also Railway)                                   | 0                                       | 1       | 0       | 0                                    | 52      | 2       |
| Wheeling & Lake Erie Railway Co.  | 0                                       | 0       | 0       | 0                                    | 6       | 0       |
| Total Group II Railroads **.....  | 0                                       | 52      | 2       | 2                                    | 887     | 28      |
| <b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b> |   |         |         |                                      |         |         |
| Class I Railroads   | 0                                       | 502     | 8       | 19                                   | 3,588   | 47      |
| Group II Railroads **   | 0                                       | 52      | 2       | 2                                    | 887     | 28      |
| All Other Railroads   | 0                                       | 35      | 0       | 0                                    | 449     | 6       |
| Total All Railroads   | 0                                       | 589     | 10      | 21                                   | 4,924   | 81      |

\*\* 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, 1994

| Railroad  | Fatalities |       | Injuries |       | Illnesses |       | TOTAL  |       | Employee Manhours |
|---|------------|-------|----------|-------|-----------|-------|--------|-------|-------------------|
|   | #          | Rate* | #        | Rate* | #         | Rate* | #      | Rate* |                   |
| <b>CLASS I RAILROADS</b>  |            |       |          |       |           |       |        |       |                   |
| Amtrak (Nat'l Railroad Passenger Corp)                                  | 1          | 0.00  | 1,356    | 5.53  | 11        | 0.04  | 1,368  | 5.58  | 49,017,343        |
| Atchison, Topeka & Santa Fe Railway                                     | 2          | 0.01  | 408      | 2.87  | 16        | 0.11  | 426    | 2.99  | 28,465,380        |
| Burlington Northern Railroad Co.  | 6          | 0.02  | 1,164    | 3.90  | 30        | 0.10  | 1,200  | 4.02  | 59,643,917        |
| Chicago and North Western Railway Co.                                   | 0          | 0.00  | 254      | 3.51  | 13        | 0.18  | 267    | 3.69  | 14,459,425        |
| Consolidated Rail Corp.   | 3          | 0.01  | 1,223    | 5.06  | 13        | 0.05  | 1,239  | 5.13  | 48,325,790        |
| CSX Transportation  | 2          | 0.01  | 700      | 2.40  | 4         | 0.01  | 706    | 2.42  | 58,343,504        |
| Denver & Rio Grande Western Railroad                                    | 0          | 0.00  | 111      | 4.81  | 15        | 0.65  | 126    | 5.46  | 4,618,824         |
| Grand Trunk Western Railroad Inc.                                       | 0          | 0.00  | 240      | 8.30  | 7         | 0.24  | 247    | 8.54  | 5,781,462         |
| Illinois Central Railroad Co.   | 1          | 0.03  | 105      | 3.08  | 0         | 0.00  | 106    | 3.11  | 6,808,724         |
| Kansas City Southern Railway Co.  | 0          | 0.00  | 100      | 3.71  | 0         | 0.00  | 100    | 3.71  | 5,394,981         |
| Norfolk Southern Corp.  | 0          | 0.00  | 430      | 1.82  | 2         | 0.01  | 432    | 1.83  | 47,282,976        |
| Soo Line Railroad Co.   | 0          | 0.00  | 439      | 10.50 | 12        | 0.29  | 451    | 10.79 | 8,361,930         |
| Southern Pacific Transportation Co.                                     | 5          | 0.03  | 722      | 4.92  | 26        | 0.18  | 753    | 5.14  | 29,321,028        |
| St. Louis Southwestern Railway Co.                                      | 1          | 0.04  | 117      | 5.21  | 2         | 0.09  | 120    | 5.34  | 4,495,365         |
| Union Pacific Railroad Co.  | 5          | 0.02  | 1,247    | 4.47  | 37        | 0.13  | 1,289  | 4.62  | 55,807,358        |
| Total Class I Railroads.....  | 26         | 0.01  | 8,616    | 4.04  | 188       | 0.09  | 8,830  | 4.14  | 426,128,007       |
| <b>GROUP II RAILROADS **</b>  |            |       |          |       |           |       |        |       |                   |
| Alton & Southern Railroad   | 0          | 0.00  | 14       | 4.03  | 0         | 0.00  | 14     | 4.03  | 695,297           |
| Alaska Railroad Corp.   | 1          | 0.20  | 32       | 6.26  | 4         | 0.78  | 37     | 7.24  | 1,022,019         |
| Bangor & Aroostook Railroad   | 0          | 0.00  | 30       | 9.04  | 0         | 0.00  | 30     | 9.04  | 663,607           |
| Bessemer & Lake Erie Railroad Co.                                       | 1          | 0.31  | 7        | 2.17  | 0         | 0.00  | 8      | 2.48  | 645,641           |
| Belt Railway Co. Of Chicago   | 0          | 0.00  | 54       | 9.01  | 1         | 0.17  | 55     | 9.18  | 1,198,603         |
| Birmingham Southern Railroad Co.  | 0          | 0.00  | 11       | 5.04  | 0         | 0.00  | 11     | 5.04  | 436,603           |
| Chicago, Central & Pacific Railroad                                     | 0          | 0.00  | 59       | 13.04 | 1         | 0.22  | 60     | 13.26 | 904,939           |
| Cuyahoga Valley Railway Co.   | 0          | 0.00  | 27       | 13.48 | 0         | 0.00  | 27     | 13.48 | 400,630           |
| Delaware & Hudson Railway Co.   | 0          | 0.00  | 34       | 4.55  | 0         | 0.00  | 34     | 4.55  | 1,494,466         |
| Dakota, Minnesota & Eastern Railroad                                    | 0          | 0.00  | 19       | 7.00  | 0         | 0.00  | 19     | 7.00  | 543,026           |
| Duluth, Missabe & Iron Range Railway                                    | 0          | 0.00  | 38       | 6.13  | 3         | 0.48  | 41     | 6.61  | 1,240,406         |
| Elgin, Joliet & Eastern Railway Co.                                     | 0          | 0.00  | 35       | 4.69  | 1         | 0.13  | 36     | 4.82  | 1,493,838         |
| Florida East Coast Railway Co.  | 0          | 0.00  | 37       | 3.77  | 0         | 0.00  | 37     | 3.77  | 1,962,381         |
| Fox Valley & Western Ltd.   | 0          | 0.00  | 23       | 9.80  | 1         | 0.43  | 24     | 10.23 | 469,358           |
| Gateway Western Railway   | 0          | 0.00  | 11       | 4.60  | 0         | 0.00  | 11     | 4.60  | 478,497           |
| Houston Belt & Terminal Railway Co.                                     | 0          | 0.00  | 26       | 5.78  | 0         | 0.00  | 26     | 5.78  | 899,352           |
| Indiana Harbor Belt Railroad Co.  | 0          | 0.00  | 66       | 8.02  | 0         | 0.00  | 66     | 8.02  | 1,646,718         |
| Long Island Rail Road   | 0          | 0.00  | 681      | 11.08 | 12        | 0.20  | 693    | 11.27 | 12,294,503        |
| Metro North Commuter Railroad Co.                                       | 1          | 0.02  | 550      | 10.22 | 23        | 0.43  | 574    | 10.66 | 10,765,789        |
| Montana Rail Link   | 0          | 0.00  | 46       | 4.95  | 2         | 0.22  | 48     | 5.17  | 1,857,550         |
| Northern Indiana Commuter Trans.  | 0          | 0.00  | 46       | 18.45 | 0         | 0.00  | 46     | 18.45 | 498,767           |
| Northeast Illinois Regional Comuter                                     | 0          | 0.00  | 114      | 4.83  | 2         | 0.08  | 116    | 4.91  | 4,720,979         |
| New Jersey Transit Rail Operations                                      | 0          | 0.00  | 224      | 6.10  | 15        | 0.41  | 239    | 6.51  | 7,345,156         |
| Paducah & Louisville Railway Co.  | 0          | 0.00  | 26       | 8.22  | 0         | 0.00  | 26     | 8.22  | 632,404           |
| Port Authority Trans Hudson   | 0          | 0.00  | 137      | 12.75 | 1         | 0.09  | 138    | 12.85 | 2,148,459         |
| Port Terminal Railroad Assoc.   | 1          | 0.25  | 14       | 3.48  | 0         | 0.00  | 15     | 3.73  | 803,718           |
| Southeastern Pennsylvania Trans.  | 0          | 0.00  | 239      | 14.43 | 4         | 0.24  | 243    | 14.67 | 3,313,114         |
| Southern Pacific, Chicago-St. Louis                                     | 0          | 0.00  | 17       | 6.21  | 0         | 0.00  | 17     | 6.21  | 547,129           |
| Springfield Terminal Railway Co.  | 0          | 0.00  | 28       | 2.56  | 0         | 0.00  | 28     | 2.56  | 2,183,724         |
| Texas Mexican Railway Co.   | 0          | 0.00  | 56       | 24.33 | 3         | 1.30  | 59     | 25.63 | 460,353           |
| Terminal Railroad Assoc. Of State Dock                                  | 1          | 0.34  | 4        | 1.38  | 0         | 0.00  | 5      | 1.72  | 580,726           |
| Union Railroad Co. (Pittsburgh)   | 0          | 0.00  | 26       | 7.10  | 0         | 0.00  | 26     | 7.10  | 731,897           |
| Wisconsin Central Ltd. (also Railway)                                   | 0          | 0.00  | 124      | 7.82  | 5         | 0.32  | 129    | 8.13  | 3,172,142         |
| Wheeling & Lake Erie Railway Co.  | 0          | 0.00  | 10       | 2.77  | 0         | 0.00  | 10     | 2.77  | 722,699           |
| Total Group II Railroads **.....  | 5          | 0.01  | 2,865    | 8.31  | 78        | 0.23  | 2,948  | 8.55  | 68,974,490        |
| <b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b> |            |       |          |       |           |       |        |       |                   |
| Class I Railroads   | 26         | 0.01  | 8,616    | 4.04  | 188       | 0.09  | 8,830  | 4.14  | 426,128,007       |
| Group II Railroads **   | 5          | 0.01  | 2,865    | 8.31  | 78        | 0.23  | 2,948  | 8.55  | 68,974,490        |
| All Other Railroads   | 0          | 0.00  | 1,314    | 11.17 | 19        | 0.16  | 1,333  | 11.33 | 23,531,559        |
| Total All Railroads   | 31         | 0.01  | 12,795   | 4.93  | 285       | 0.11  | 13,111 | 5.06  | 518,634,056       |

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

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

TABLE 44: SUMMARY OF NON-FATAL INJURIES TO EMPLOYEES ON-DUTY BY RAILROAD, 1994

| Railroad  | TOTAL<br>CASES* | <CASES with DAYS-AWAY-FROM-WORK or DAYS-OF-RESTRICTION> |                   |                     |                          |                    | Other<br>Cases |
|---|-----------------|---|-------------------|---------------------|--------------------------|--------------------|----------------|
|   |                 | < Total<br>Cases  | Lost-Day<br>Cases | Restricted<br>Cases | Away-fr-<br>work<br>Days | Restricted<br>Days |                |
| <b>CLASS I RAILROADS</b>  |                 |   |                   |                     |                          |                    |                |
| Amtrak (Nat'l Railroad Passenger Corp.)                                 | 1,367           | 950   | 938               | 12                  | 30,836                   | 432                | 417            |
| Atchison, Topeka & Santa Fe Railway                                     | 424             | 323   | 217               | 106                 | 17,817                   | 9,677              | 101            |
| Burlington Northern Railroad Co.  | 1,194           | 864   | 644               | 220                 | 36,046                   | 15,863             | 330            |
| Chicago and North Western Railway Co.                                   | 267             | 191   | 190               | 1                   | 15,590                   | 10                 | 76             |
| Consolidated Rail Corp.   | 1,236           | 1,019   | 985               | 34                  | 100,359                  | 1,955              | 217            |
| CSX Transportation  | 704             | 571   | 568               | 3                   | 49,631                   | 89                 | 133            |
| Denver & Rio Grande Western Railroad                                    | 126             | 94  | 87                | 7                   | 4,686                    | 157                | 32             |
| Grand Trunk Western Railroad Inc.                                       | 247             | 202   | 194               | 8                   | 7,206                    | 102                | 45             |
| Illinois Central Railroad Co.   | 105             | 65  | 59                | 6                   | 2,407                    | 395                | 40             |
| Kansas City Southern Railway Co.  | 100             | 88  | 88                | 0                   | 4,418                    | 7                  | 12             |
| Norfolk Southern Corp.  | 432             | 318   | 289               | 29                  | 30,993                   | 1,156              | 114            |
| Soo Line Railroad Co.   | 451             | 362   | 317               | 45                  | 17,085                   | 1,006              | 89             |
| Southern Pacific Transportation Co.                                     | 748             | 568   | 542               | 26                  | 43,368                   | 642                | 180            |
| St. Louis Southwestern Railway Co.                                      | 119             | 87  | 84                | 3                   | 9,525                    | 97                 | 32             |
| Union Pacific Railroad Co.  | 1,284           | 992   | 729               | 263                 | 41,793                   | 9,852              | 292            |
| Total Class I Railroads.....  | 8,804           | 6,694   | 5,931             | 763                 | 411,760                  | 41,440             | 2,110          |
| <b>GROUP II RAILROADS **</b>  |                 |   |                   |                     |                          |                    |                |
| Alton & Southern Railroad   | 14              | 13  | 12                | 1                   | 373                      | 3                  | 1              |
| Alaska Railroad Corp.   | 36              | 32  | 28                | 4                   | 690                      | 245                | 4              |
| Bangor & Aroostook Railroad   | 30              | 17  | 16                | 1                   | 475                      | 1                  | 13             |
| Bessemer & Lake Erie Railroad Co.                                       | 7               | 3   | 3                 | 0                   | 49                       | 1                  | 4              |
| Belt Railway Co. Of Chicago   | 55              | 44  | 42                | 2                   | 1,284                    | 24                 | 11             |
| Birmingham Southern Railroad Co.  | 11              | 6   | 3                 | 3                   | 417                      | 73                 | 5              |
| Chicago, Central & Pacific Railroad                                     | 60              | 53  | 39                | 14                  | 1,217                    | 154                | 7              |
| Cuyahoga Valley Railway Co.   | 27              | 20  | 17                | 3                   | 911                      | 19                 | 7              |
| Delaware & Hudson Railway Co.   | 34              | 29  | 22                | 7                   | 781                      | 676                | 5              |
| Dakota, Minnesota & Eastern Railroad                                    | 19              | 13  | 12                | 1                   | 716                      | 72                 | 6              |
| Duluth, Missabe & Iron Range Railway                                    | 41              | 33  | 9                 | 24                  | 375                      | 656                | 8              |
| Elgin, Joliet & Eastern Railway Co.                                     | 36              | 16  | 8                 | 8                   | 614                      | 341                | 20             |
| Florida East Coast Railway Co.  | 37              | 32  | 31                | 1                   | 1,681                    | 107                | 5              |
| Fox Valley & Western Ltd.   | 24              | 14  | 9                 | 5                   | 58                       | 119                | 10             |
| Gateway Western Railway   | 11              | 7   | 7                 | 0                   | 284                      | 0                  | 4              |
| Houston Belt & Terminal Railway Co.                                     | 26              | 23  | 22                | 1                   | 903                      | 14                 | 3              |
| Indiana Harbor Belt Railroad Co.  | 66              | 57  | 54                | 3                   | 4,074                    | 25                 | 9              |
| Long Island Rail Road   | 693             | 675   | 673               | 2                   | 15,922                   | 861                | 18             |
| Metro North Commuter Railroad Co.                                       | 573             | 464   | 320               | 144                 | 12,158                   | 2,889              | 109            |
| Montana Rail Link   | 48              | 33  | 31                | 2                   | 660                      | 624                | 15             |
| Northern Indiana Commuter Trans.  | 46              | 35  | 25                | 10                  | 409                      | 526                | 11             |
| Northeast Illinois Regional Comuter                                     | 116             | 97  | 95                | 2                   | 2,326                    | 16                 | 19             |
| New Jersey Transit Rail Operations                                      | 239             | 180   | 179               | 1                   | 6,593                    | 125                | 59             |
| Paducah & Louisville Railway Co.  | 26              | 16  | 15                | 1                   | 546                      | 101                | 10             |
| Port Authority Trans Hudson   | 138             | 137   | 136               | 1                   | 2,103                    | 140                | 1              |
| Port Terminal Railroad Assoc.   | 14              | 9   | 8                 | 1                   | 653                      | 9                  | 5              |
| Southeastern Pennsylvania Trans.  | 243             | 188   | 185               | 3                   | 5,687                    | 126                | 55             |
| Southern Pacific, Chicago-St. Louis                                     | 17              | 13  | 12                | 1                   | 750                      | 6                  | 4              |
| Springfield Terminal Railway Co.  | 28              | 22  | 16                | 6                   | 721                      | 301                | 6              |
| Texas Mexican Railway Co.   | 59              | 42  | 35                | 7                   | 822                      | 557                | 17             |
| Terminal Railroad Assoc. Of State Dock                                  | 4               | 3   | 0                 | 3                   | 0                        | 173                | 1              |
| Union Railroad Co. (Pittsburgh)   | 26              | 10  | 10                | 0                   | 937                      | 4                  | 16             |
| Wisconsin Central Ltd. (also Railway)                                   | 129             | 90  | 78                | 12                  | 1,169                    | 843                | 39             |
| Wheeling & Lake Erie Railway Co.  | 10              | 8   | 7                 | 1                   | 210                      | 110                | 2              |
| TOTAL GROUP II RAILROADS.....   | 2,943           | 2,434   | 2,159             | 275                 | 66,568                   | 9,941              | 509            |
| <b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b> |                 |   |                   |                     |                          |                    |                |
| Class I Railroads   | 8,804           | 6,694   | 5,931             | 763                 | 411,760                  | 41,440             | 2,110          |
| Group II Railroads **   | 2,943           | 2,434   | 2,159             | 275                 | 66,568                   | 9,941              | 509            |
| All Other Railroads   | 1,333           | 846   | 668               | 178                 | 14,076                   | 5,962              | 487            |
| Total All Railroads   | 13,080          | 9,974   | 8,758             | 1,216               | 492,404                  | 57,343             | 3,106          |

\* 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, 1994

| Railroad  | TOTAL CASES | Fatalities | < INJURY C A S E S REPORTED FOR FOLLOWING REASONS > |                     |                     |              |                    | Occupational Illnesses |
|---|-------------|------------|---|---------------------|---------------------|--------------|--------------------|------------------------|
|   |             |            | <Total <Injuries                                    | Days-Away From-Work | Restricted Activity | Medi- cation | Medical Treatment> |                        |
| <b>CLASS I RAILROADS</b>  |             |            |   |                     |                     |              |                    |                        |
| Amtrak (Nat'l Railroad Passenger Corp.)                                 | 1,368       | 1          | 1,356   | 931                 | 12                  | 165          | 248                | 11                     |
| Atchison, Topeka & Santa Fe Railway                                     | 426         | 2          | 408   | 211                 | 104                 | 5            | 88                 | 16                     |
| Burlington Northern Railroad Co.  | 1,200       | 6          | 1,164   | 631                 | 214                 | 3            | 316                | 30                     |
| Chicago and North Western Railway Co.                                   | 267         | 0          | 254   | 182                 | 1                   | 27           | 44                 | 13                     |
| Consolidated Rail Corp.   | 1,239       | 3          | 1,223   | 974                 | 34                  | 4            | 211                | 13                     |
| CSX Transportation  | 706         | 2          | 700   | 565                 | 3                   | 34           | 98                 | 4                      |
| Denver & Rio Grande Western Railroad                                    | 126         | 0          | 111   | 77                  | 7                   | 0            | 27                 | 15                     |
| Grand Trunk Western Railroad Inc.                                       | 247         | 0          | 240   | 188                 | 8                   | 14           | 30                 | 7                      |
| Illinois Central Railroad Co.   | 106         | 1          | 105   | 59                  | 6                   | 15           | 25                 | 0                      |
| Kansas City Southern Railway Co.  | 100         | 0          | 100   | 88                  | 0                   | 0            | 12                 | 0                      |
| Norfolk Southern Corp.  | 432         | 0          | 430   | 289                 | 29                  | 25           | 87                 | 2                      |
| Soo Line Railroad Co.   | 451         | 0          | 439   | 308                 | 45                  | 23           | 63                 | 12                     |
| Southern Pacific Transportation Co.                                     | 753         | 5          | 722   | 531                 | 25                  | 0            | 166                | 26                     |
| St. Louis Southwestern Railway Co.                                      | 120         | 1          | 117   | 83                  | 3                   | 0            | 31                 | 2                      |
| Union Pacific Railroad Co.  | 1,289       | 5          | 1,247   | 710                 | 256                 | 100          | 181                | 37                     |
| Total Class I Railroads.....  | 8,830       | 26         | 8,616   | 5,827               | 747                 | 415          | 1,627              | 188                    |
| <b>GROUP II RAILROADS **</b>  |             |            |   |                     |                     |              |                    |                        |
| Alton & Southern Railroad   | 14          | 0          | 14  | 12                  | 1                   | 0            | 1                  | 0                      |
| Alaska Railroad Corp.   | 37          | 1          | 32  | 25                  | 4                   | 3            | 0                  | 4                      |
| Bangor & Aroostook Railroad   | 30          | 0          | 30  | 16                  | 1                   | 4            | 9                  | 0                      |
| Bessemer & Lake Erie Railroad Co.                                       | 8           | 1          | 7   | 3                   | 0                   | 3            | 1                  | 0                      |
| Belt Railway Co. Of Chicago   | 55          | 0          | 54  | 42                  | 2                   | 1            | 9                  | 1                      |
| Birmingham Southern Railroad Co.  | 11          | 0          | 11  | 3                   | 3                   | 1            | 4                  | 0                      |
| Chicago, Central & Pacific Railroad                                     | 60          | 0          | 59  | 38                  | 14                  | 4            | 3                  | 1                      |
| Cuyahoga Valley Railway Co.   | 27          | 0          | 27  | 17                  | 3                   | 2            | 5                  | 0                      |
| Delaware & Hudson Railway Co.   | 34          | 0          | 34  | 22                  | 7                   | 1            | 4                  | 0                      |
| Dakota, Minnesota & Eastern Railroad                                    | 19          | 0          | 19  | 12                  | 1                   | 0            | 6                  | 0                      |
| Duluth, Missabe & Iron Range Railway                                    | 41          | 0          | 38  | 9                   | 22                  | 1            | 6                  | 3                      |
| Elgin, Joliet & Eastern Railway Co.                                     | 36          | 0          | 35  | 8                   | 8                   | 9            | 10                 | 1                      |
| Florida East Coast Railway Co.  | 37          | 0          | 37  | 31                  | 1                   | 3            | 2                  | 0                      |
| Fox Valley & Western Ltd.   | 24          | 0          | 23  | 8                   | 5                   | 3            | 7                  | 1                      |
| Gateway Western Railway   | 11          | 0          | 11  | 7                   | 0                   | 3            | 1                  | 0                      |
| Houston Belt & Terminal Railway Co.                                     | 26          | 0          | 26  | 22                  | 1                   | 2            | 1                  | 0                      |
| Indiana Harbor Belt Railroad Co.  | 66          | 0          | 66  | 54                  | 3                   | 1            | 8                  | 0                      |
| Long Island Rail Road   | 693         | 0          | 681   | 664                 | 2                   | 0            | 15                 | 12                     |
| Metro North Commuter Railroad Co.                                       | 574         | 1          | 550   | 305                 | 141                 | 60           | 44                 | 23                     |
| Montana Rail Link   | 48          | 0          | 46  | 30                  | 2                   | 7            | 7                  | 2                      |
| Northern Indiana Commuter Trans.  | 46          | 0          | 46  | 25                  | 10                  | 9            | 2                  | 0                      |
| Northeast Illinois Regional Comuter                                     | 116         | 0          | 114   | 95                  | 2                   | 8            | 9                  | 2                      |
| New Jersey Transit Rail Operations                                      | 239         | 0          | 224   | 169                 | 1                   | 24           | 30                 | 15                     |
| Paducah & Louisville Railway Co.  | 26          | 0          | 26  | 15                  | 1                   | 0            | 10                 | 0                      |
| Port Authority Trans Hudson   | 138         | 0          | 137   | 135                 | 1                   | 0            | 1                  | 1                      |
| Port Terminal Railroad Assoc.   | 15          | 1          | 14  | 8                   | 1                   | 2            | 3                  | 0                      |
| Southeastern Pennsylvania Trans.  | 243         | 0          | 239   | 182                 | 3                   | 0            | 54                 | 4                      |
| Southern Pacific, Chicago-St. Louis                                     | 17          | 0          | 17  | 12                  | 1                   | 0            | 4                  | 0                      |
| Springfield Terminal Railway Co.  | 28          | 0          | 28  | 16                  | 6                   | 0            | 6                  | 0                      |
| Texas Mexican Railway Co.   | 59          | 0          | 56  | 32                  | 7                   | 8            | 9                  | 3                      |
| Terminal Railroad Assoc. Of State Dock                                  | 5           | 1          | 4   | 0                   | 3                   | 0            | 1                  | 0                      |
| Union Railroad Co. (Pittsburgh)   | 26          | 0          | 26  | 10                  | 0                   | 7            | 9                  | 0                      |
| Wisconsin Central Ltd. (also Railway)                                   | 129         | 0          | 124   | 76                  | 12                  | 6            | 30                 | 5                      |
| Wheeling & Lake Erie Railway Co.  | 10          | 0          | 10  | 7                   | 1                   | 0            | 2                  | 0                      |
| TOTAL GROUP II RAILROADS.....   | 2,948       | 5          | 2,865   | 2,110               | 270                 | 172          | 313                | 78                     |
| <b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b> |             |            |   |                     |                     |              |                    |                        |
| Class I Railroads   | 8,830       | 26         | 8,616   | 5,827               | 747                 | 415          | 1,627              | 188                    |
| Group II Railroads **   | 2,948       | 5          | 2,865   | 2,110               | 270                 | 172          | 313                | 78                     |
| All Other Railroads   | 1,333       | 0          | 1,314   | 658                 | 178                 | 80           | 398                | 19                     |
| Total All Railroads   | 13,111      | 31         | 12,795  | 8,595               | 1,195               | 667          | 2,338              | 285                    |

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

TABLE 46: FATALITIES BY TYPE OF ACCIDENT/INCIDENT, TYPE OF RAILROAD,  
AND TYPE OF PERSON, 1994

| Type of Accident/Incident                                     | TOTAL*<br>A/I | Fatal<br>A/I | Total<br>Killed | <EMPLOYEES-ON-DUTY><br>Trmmen/Other/Total |    |    | Enod | Psgr | Mont | Contr | Tres |
|---|---------------|--------------|-----------------|---|----|----|------|------|------|-------|------|
| <b>TRAIN ACCIDENTS</b>  |               |              |                 |   |    |    |      |      |      |       |      |
| Class I Railroads   | 63            | 7            | 12              | 8   | 0  | 8  | 0    | 2    | 2    | 0     | 0    |
| Group II Railroads **   | 24            | 0            | 0               | 0   | 0  | 0  | 0    | 0    | 0    | 0     | 0    |
| All Other Railroads   | 6             | 0            | 0               | 0   | 0  | 0  | 0    | 0    | 0    | 0     | 0    |
| Total All Railroads   | 93            | 7            | 12              | 8   | 0  | 8  | 0    | 2    | 2    | 0     | 0    |
| <b>TRAIN INCIDENTS</b>  |               |              |                 |   |    |    |      |      |      |       |      |
| Class I Railroads   | 1,933         | 474          | 486             | 11  | 5  | 16 | 0    | 2    | 35   | 1     | 432  |
| Group II Railroads **   | 486           | 71           | 71              | 1   | 0  | 1  | 0    | 1    | 1    | 0     | 68   |
| All Other Railroads   | 202           | 13           | 14              | 0   | 0  | 0  | 0    | 0    | 0    | 0     | 14   |
| Total All Railroads   | 2,621         | 558          | 571             | 12  | 5  | 17 | 0    | 3    | 36   | 1     | 514  |
| <b>NON-TRAIN INCIDENTS</b>                                    |               |              |                 |   |    |    |      |      |      |       |      |
| Class I Railroads   | 7,954         | 20           | 20              | 0   | 2  | 2  | 0    | 0    | 6    | 2     | 10   |
| Group II Railroads **   | 3,200         | 6            | 7               | 0   | 3  | 3  | 0    | 0    | 0    | 0     | 4    |
| All Other Railroads   | 1,214         | 1            | 1               | 0   | 0  | 0  | 0    | 0    | 0    | 0     | 1    |
| Total All Railroads   | 12,368        | 27           | 28              | 0   | 5  | 5  | 0    | 0    | 6    | 2     | 15   |
| <b>HIGHWAY-RAIL CROSSING (Excluded from above categories)</b> |               |              |                 |   |    |    |      |      |      |       |      |
| Class I Railroads   | 1,597         | 463          | 562             | 0   | 0  | 0  | 0    | 0    | 426  | 0     | 136  |
| Group II Railroads **   | 153           | 30           | 34              | 1   | 0  | 1  | 0    | 0    | 23   | 0     | 10   |
| All Other Railroads   | 147           | 19           | 19              | 0   | 0  | 0  | 0    | 0    | 12   | 0     | 7    |
| Total All Railroads   | 1,897         | 512          | 615             | 1   | 0  | 1  | 0    | 0    | 461  | 0     | 153  |
| <b>T O T A L S</b>  |               |              |                 |   |    |    |      |      |      |       |      |
| Class I Railroads   | 11,547        | 964          | 1,080           | 19  | 7  | 26 | 0    | 4    | 469  | 3     | 578  |
| Group II Railroads **   | 3,863         | 107          | 112             | 2   | 3  | 5  | 0    | 1    | 24   | 0     | 82   |
| All Other Railroads   | 1,569         | 33           | 34              | 0   | 0  | 0  | 0    | 0    | 12   | 0     | 22   |
| Total All Railroads   | 16,979        | 1,104        | 1,226           | 21  | 10 | 31 | 0    | 5    | 505  | 3     | 682  |

\* 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  
Mont = 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, 1994

| Type of Accident/Incident                                     | TOTAL*<br>A/I | Injury<br>A/I | Total<br>Injured | <EMPLOYEES-ON-DUTY><br>Trmmen/Other/Total |       |        | Enod | Psgr | Nont  | Contr | Tres |
|---|---------------|---------------|------------------|---|-------|--------|------|------|-------|-------|------|
| <b>TRAIN ACCIDENTS</b>  |               |               |                  |   |       |        |      |      |       |       |      |
| Class I Railroads   | 63            | 55            | 215              | 91  | 15    | 106    | 26   | 64   | 18    | 1     | 0    |
| Group II Railroads **   | 24            | 24            | 37               | 26  | 5     | 31     | 0    | 6    | 0     | 0     | 0    |
| All Other Railroads   | 6             | 6             | 9                | 6   | 0     | 6      | 0    | 0    | 0     | 3     | 0    |
| Total All Railroads   | 93            | 85            | 261              | 123                                       | 20    | 143    | 26   | 70   | 18    | 4     | 0    |
| <b>TRAIN INCIDENTS</b>  |               |               |                  |   |       |        |      |      |       |       |      |
| Class I Railroads   | 1,933         | 1,449         | 1,515            | 831                                       | 262   | 1,093  | 12   | 34   | 40    | 8     | 328  |
| Group II Railroads **   | 486           | 408           | 412              | 230                                       | 47    | 277    | 0    | 58   | 10    | 2     | 65   |
| All Other Railroads   | 202           | 189           | 190              | 131                                       | 32    | 163    | 0    | 13   | 4     | 0     | 10   |
| Total All Railroads   | 2,621         | 2,046         | 2,117            | 1,192                                     | 341   | 1,533  | 12   | 105  | 54    | 10    | 403  |
| <b>NON-TRAIN INCIDENTS</b>                                    |               |               |                  |   |       |        |      |      |       |       |      |
| Class I Railroads   | 7,954         | 7,767         | 7,857            | 2,566                                     | 4,744 | 7,310  | 219  | 41   | 86    | 169   | 32   |
| Group II Railroads **   | 3,200         | 3,132         | 3,140            | 626                                       | 1,922 | 2,548  | 43   | 176  | 313   | 48    | 12   |
| All Other Railroads   | 1,214         | 1,194         | 1,196            | 309                                       | 833   | 1,142  | 4    | 21   | 4     | 20    | 5    |
| Total All Railroads   | 12,368        | 12,093        | 12,193           | 3,501                                     | 7,499 | 11,000 | 266  | 238  | 403   | 237   | 49   |
| <b>HIGHWAY-RAIL CROSSING (Excluded from above categories)</b> |               |               |                  |   |       |        |      |      |       |       |      |
| Class I Railroads   | 1,597         | 1,134         | 1,572            | 100                                       | 7     | 107    | 1    | 8    | 1,212 | 1     | 243  |
| Group II Railroads **   | 153           | 121           | 230              | 5   | 4     | 9      | 0    | 76   | 107   | 0     | 38   |
| All Other Railroads   | 147           | 128           | 153              | 3   | 0     | 3      | 0    | 0    | 119   | 0     | 31   |
| Total All Railroads   | 1,897         | 1,383         | 1,955            | 108                                       | 11    | 119    | 1    | 84   | 1,438 | 1     | 312  |
| <b>TOTALS</b>   |               |               |                  |   |       |        |      |      |       |       |      |
| Class I Railroads   | 11,547        | 10,405        | 11,159           | 3,588                                     | 5,028 | 8,616  | 258  | 147  | 1,356 | 179   | 603  |
| Group II Railroads **   | 3,863         | 3,685         | 3,819            | 887                                       | 1,978 | 2,865  | 43   | 316  | 430   | 50    | 115  |
| All Other Railroads   | 1,569         | 1,517         | 1,548            | 449                                       | 865   | 1,314  | 4    | 34   | 127   | 23    | 46   |
| Total All Railroads   | 16,979        | 15,607        | 16,526           | 4,924                                     | 7,871 | 12,795 | 305  | 497  | 1,913 | 252   | 764  |

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

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

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

TABLE 48: ILLNESSES BY TYPE OF ACCIDENT/INCIDENT, TYPE OF RAILROAD,  
AND TYPE OF PERSON, 1994

| Type of Accident/Incident                                     | TOTAL* | Illness | Total   | <EMPLOYEES-ON-DUTY> |       |       | Enod | Psgr | Mont | Contr | Tres |
|---|--------|---------|---------|---------------------|-------|-------|------|------|------|-------|------|
|   | A/I    | A/I     | Illness | Trmmen              | Other | Total |      |      |      |       |      |
| <b>TRAIN ACCIDENTS</b>  |        |         |         |                     |       |       |      |      |      |       |      |
| Class I Railroads   | 63     | 1       | 1       | 1                   | 0     | 1     | 0    | 0    | 0    | 0     | 0    |
| Group II Railroads **   | 24     | 0       | 0       | 0                   | 0     | 0     | 0    | 0    | 0    | 0     | 0    |
| All Other Railroads   | 6      | 0       | 0       | 0                   | 0     | 0     | 0    | 0    | 0    | 0     | 0    |
| Total All Railroads   | 93     | 1       | 1       | 1                   | 0     | 1     | 0    | 0    | 0    | 0     | 0    |
| <b>TRAIN INCIDENTS</b>  |        |         |         |                     |       |       |      |      |      |       |      |
| Class I Railroads   | 1,933  | 10      | 13      | 10                  | 3     | 13    | 0    | 0    | 0    | 0     | 0    |
| Group II Railroads **   | 486    | 7       | 13      | 12                  | 1     | 13    | 0    | 0    | 0    | 0     | 0    |
| All Other Railroads   | 202    | 0       | 0       | 0                   | 0     | 0     | 0    | 0    | 0    | 0     | 0    |
| Total All Railroads   | 2,621  | 17      | 26      | 22                  | 4     | 26    | 0    | 0    | 0    | 0     | 0    |
| <b>NON-TRAIN INCIDENTS</b>                                    |        |         |         |                     |       |       |      |      |      |       |      |
| Class I Railroads   | 7,954  | 167     | 171     | 32                  | 138   | 170   | 1    | 0    | 0    | 0     | 0    |
| Group II Railroads **   | 3,200  | 62      | 62      | 13                  | 49    | 62    | 0    | 0    | 0    | 0     | 0    |
| All Other Railroads   | 1,214  | 19      | 19      | 6                   | 13    | 19    | 0    | 0    | 0    | 0     | 0    |
| Total All Railroads   | 12,368 | 248     | 252     | 51                  | 200   | 251   | 1    | 0    | 0    | 0     | 0    |
| <b>HIGHWAY-RAIL CROSSING (Excluded from above categories)</b> |        |         |         |                     |       |       |      |      |      |       |      |
| Class I Railroads   | 1,597  | 0       | 4       | 4                   | 0     | 4     | 0    | 0    | 0    | 0     | 0    |
| Group II Railroads **   | 153    | 2       | 3       | 3                   | 0     | 3     | 0    | 0    | 0    | 0     | 0    |
| All Other Railroads   | 147    | 0       | 0       | 0                   | 0     | 0     | 0    | 0    | 0    | 0     | 0    |
| Total All Railroads   | 1,897  | 2       | 7       | 7                   | 0     | 7     | 0    | 0    | 0    | 0     | 0    |
| <b>TOTALS</b>   |        |         |         |                     |       |       |      |      |      |       |      |
| Class I Railroads   | 11,547 | 178     | 189     | 47                  | 141   | 188   | 1    | 0    | 0    | 0     | 0    |
| Group II Railroads **   | 3,863  | 71      | 78      | 28                  | 50    | 78    | 0    | 0    | 0    | 0     | 0    |
| All Other Railroads   | 1,569  | 19      | 19      | 6                   | 13    | 19    | 0    | 0    | 0    | 0     | 0    |
| Total All Railroads   | 16,979 | 268     | 286     | 81                  | 204   | 285   | 1    | 0    | 0    | 0     | 0    |

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

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

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



TABLE 49. NONFATAL INJURIES BY OCCURRENCE, 1994

| Type of Accident/Incident               | Amputations  |        |              |     |               | Fractures |              |        |              |     |               |       |
|---|--------------|--------|--------------|-----|---------------|-----------|--------------|--------|--------------|-----|---------------|-------|
|   | Arm/<br>Hand | Finger | Leg/<br>Foot | Toe | Other<br>Part | Total     | Arm/<br>Hand | Finger | Leg/<br>Foot | Toe | Other<br>Part | Total |
| <b>TRAIN ACCIDENTS</b>                  |              |        |              |     |               |           |              |        |              |     |               |       |
| Collisions                              | ---          | ---    | ---          | --- | ---           | ---       | 1            | 1      | 2            | --- | 10            | 14    |
| Derailments                             | ---          | ---    | ---          | --- | ---           | ---       | ---          | ---    | 6            | --- | 2             | 8     |
| Highway-rail x-ing                      | ---          | ---    | ---          | --- | ---           | ---       | ---          | ---    | 3            | 1   | 13            | 17    |
| Miscellaneous                           | ---          | ---    | 1            | --- | ---           | 1         | 1            | ---    | ---          | --- | ---           | 1     |
| Total                                   | ---          | ---    | 1            | --- | ---           | 1         | 2            | 1      | 11           | 1   | 25            | 40    |
| <b>TRAIN INCIDENTS</b>                  |              |        |              |     |               |           |              |        |              |     |               |       |
| Coupling and uncoupling locomotives or  | ---          | 1      | ---          | --- | ---           | 1         | 6            | 3      | 3            | --- | 1             | 13    |
| Coupling/uncoupling air/steam hose, saf | 1            | ---    | 2            | --- | ---           | 3         | ---          | 1      | ---          | --- | ---           | 1     |
| Operating or on locomotives             | ---          | ---    | ---          | --- | ---           | ---       | 1            | 3      | 1            | 1   | 2             | 8     |
| Operating rail motorcars                | ---          | ---    | ---          | --- | ---           | ---       | ---          | 1      | ---          | --- | 1             | 2     |
| Operating hand brakes                   | ---          | ---    | ---          | --- | ---           | ---       | 2            | ---    | 1            | --- | 3             | 6     |
| Operating switches or derails           | ---          | ---    | 1            | --- | ---           | 1         | 1            | ---    | ---          | --- | ---           | 1     |
| Contacting fixed objects while on loco  | ---          | ---    | 1            | --- | ---           | 1         | ---          | ---    | 2            | --- | 1             | 3     |
| Getting on or off cars or locomotives   | 4            | 1      | 8            | 2   | ---           | 15        | 7            | 1      | 14           | 1   | 11            | 34    |
| Collisions, derailments, etc. (below \$ | ---          | ---    | 3            | --- | ---           | 3         | 3            | ---    | 3            | --- | 6             | 12    |
| Highway-rail crossing accidents/incide  | 4            | ---    | 3            | 1   | ---           | 8         | 31           | 4      | 58           | 1   | 104           | 198   |
| Struck by/ran into loco/car(not at hwy  | 11           | 3      | 65           | 12  | ---           | 91        | 17           | 1      | 29           | 2   | 38            | 87    |
| Servicing or maintenance of equipment   | ---          | ---    | 4            | --- | ---           | 4         | 3            | 1      | 3            | 1   | ---           | 8     |
| Maintenance of way and structures       | ---          | ---    | ---          | --- | ---           | ---       | 3            | 3      | 1            | 3   | 1             | 11    |
| Freight, baggage, express or mail       | ---          | ---    | ---          | --- | ---           | ---       | ---          | ---    | 2            | --- | ---           | 2     |
| Windows, doors, etc., on on-track equi  | ---          | 2      | ---          | --- | ---           | 2         | 2            | 4      | ---          | --- | ---           | 6     |
| Passenger car doors                     | ---          | ---    | ---          | --- | ---           | ---       | ---          | ---    | ---          | --- | ---           | ---   |
| Stumbling, slipping, falling, caught,   | 1            | ---    | 5            | --- | ---           | 6         | 5            | 3      | 9            | 2   | 1             | 20    |
| Flying or falling objects, burns, etc.  | ---          | ---    | ---          | --- | ---           | ---       | ---          | ---    | 1            | --- | ---           | 1     |
| Operation of on-track work equipment    | ---          | ---    | 1            | --- | ---           | 1         | ---          | ---    | 2            | --- | ---           | 2     |
| Assault                                 | ---          | ---    | ---          | --- | ---           | ---       | ---          | ---    | ---          | --- | 2             | 2     |
| Other occurrences                       | 3            | 1      | 5            | --- | ---           | 9         | 4            | 1      | 10           | 4   | 3             | 22    |
| Total                                   | 24           | 8      | 98           | 15  | ---           | 145       | 85           | 26     | 139          | 15  | 174           | 439   |
| <b>NONTRAIN INCIDENTS</b>               |              |        |              |     |               |           |              |        |              |     |               |       |
| Coupling and uncoupling locomotives or  | ---          | 1      | ---          | 1   | ---           | 2         | 8            | 5      | 7            | 3   | 1             | 24    |
| Coupling/uncoupling air/steam hose, saf | ---          | ---    | ---          | --- | ---           | ---       | ---          | 7      | ---          | --- | 3             | 10    |
| Operating or on locomotives             | ---          | 1      | ---          | --- | ---           | 1         | 5            | 3      | 5            | 3   | 4             | 20    |
| Operating rail motorcars                | ---          | 1      | ---          | --- | ---           | 1         | 1            | ---    | ---          | --- | 1             | 2     |
| Operating hand brakes                   | ---          | ---    | ---          | --- | ---           | ---       | 2            | 6      | 3            | 1   | 2             | 14    |
| Operating switches or derails           | ---          | ---    | ---          | --- | ---           | ---       | 3            | 10     | 2            | 3   | 4             | 22    |
| Contacting fixed objects while on loco  | ---          | ---    | ---          | --- | ---           | ---       | ---          | 10     | 1            | --- | 1             | 2     |
| Getting on or off cars or locomotives   | ---          | ---    | 1            | --- | ---           | 1         | 26           | 6      | 38           | --- | 17            | 87    |
| Collisions, derailments, etc. (below \$ | ---          | ---    | ---          | --- | ---           | ---       | ---          | ---    | ---          | --- | ---           | ---   |
| Highway-rail crossing accidents/incide  | ---          | ---    | ---          | --- | ---           | ---       | 1            | 1      | ---          | --- | 3             | 5     |
| Struck by/ran into loco/car(not at hwy  | ---          | ---    | 1            | --- | ---           | 1         | 1            | 1      | ---          | --- | 1             | 3     |
| Servicing or maintenance of equipment   | 1            | 9      | 1            | --- | ---           | 11        | 49           | 64     | 43           | 13  | 22            | 191   |
| Maintenance of way and structures       | 1            | 9      | ---          | --- | ---           | 10        | 31           | 93     | 57           | 33  | 35            | 249   |
| Freight, baggage, express or mail       | ---          | ---    | ---          | --- | ---           | ---       | ---          | ---    | 1            | --- | 1             | 2     |
| Windows, doors, etc., on on-track equi  | ---          | 4      | ---          | --- | ---           | 4         | 5            | 18     | ---          | 2   | 3             | 28    |
| Passenger car doors                     | ---          | ---    | ---          | --- | ---           | ---       | ---          | 3      | ---          | --- | ---           | 3     |
| Stumbling, slipping, falling, caught,   | ---          | 1      | ---          | --- | ---           | 1         | 85           | 16     | 117          | 5   | 60            | 283   |
| Flying or falling objects, burns, etc.  | ---          | ---    | ---          | --- | ---           | ---       | 1            | 2      | 2            | 5   | 4             | 14    |
| Operation of on-track work equipment    | ---          | 2      | ---          | --- | ---           | 2         | 1            | 2      | 2            | --- | ---           | 5     |
| Assault                                 | ---          | ---    | ---          | --- | ---           | ---       | ---          | 4      | 1            | 2   | 2             | 9     |
| Other occurrences                       | ---          | 2      | ---          | --- | ---           | 2         | 7            | 20     | 25           | 7   | 24            | 83    |
| Total                                   | 2            | 30     | 3            | 1   | ---           | 36        | 226          | 261    | 303          | 78  | 188           | 1,056 |
| Grand Total                             | 26           | 38     | 102          | 16  | ---           | 182       | 313          | 288    | 453          | 94  | 387           | 1,535 |

TABLE 49. NONFATAL INJURIES BY OCCURRENCE, CONT., 1994

| Type of Accident/Incident   | Other Injuries |                   |       |               |             |                   |                  | Total Injured |        |        |
|---|----------------|-------------------|-------|---------------|-------------|-------------------|------------------|---------------|--------|--------|
|   | Bruise         | Sprain/<br>Strain | Cut   | Elec.<br>Burn | Other Burns | Disloc-<br>Cation | Object<br>In Eye |               | Other  |        |
| <b>TRAIN ACCIDENTS</b>  |                |                   |       |               |             |                   |                  |               |        |        |
| Collisions  | 42             | 52                | 4     | ---           | ---         | 1                 | ---              | 5             | 104    | 118    |
| Deraillments  | 53             | 19                | 7     | ---           | 2           | 1                 | ---              | 29            | 111    | 119    |
| Highway-rail x-ing  | 34             | 105               | 18    | ---           | ---         | 1                 | ---              | 22            | 180    | 197    |
| Miscellaneous   | 3              | 11                | 1     | 2             | ---         | ---               | ---              | 5             | 22     | 24     |
| Total.....  | 132            | 187               | 30    | 2             | 2           | 3                 | ---              | 61            | 417    | 458    |
| <b>TRAIN INCIDENTS</b>  |                |                   |       |               |             |                   |                  |               |        |        |
| Coupling and uncoupling locomotives or<br>Coupling/uncoupling air/steam hose, saf | 23             | 73                | 14    | ---           | ---         | 2                 | ---              | 6             | 118    | 132    |
| Operating or on locomotives.....  | 53             | 152               | 31    | 4             | 3           | 5                 | 71               | 55            | 374    | 382    |
| Operating rail motorcars.....   | 7              | 6                 | ---   | ---           | ---         | ---               | ---              | 1             | 14     | 16     |
| Operating hand brakes.....  | 13             | 18                | ---   | ---           | ---         | ---               | ---              | 3             | 34     | 40     |
| Operating switches or derails.....  | 1              | 3                 | ---   | ---           | ---         | ---               | ---              | 1             | 5      | 7      |
| Contacting fixed objects while on loco  | 25             | 11                | 7     | ---           | ---         | 1                 | ---              | 1             | 45     | 49     |
| Getting on or off cars or locomotives.  | 63             | 160               | 35    | ---           | 3           | 5                 | ---              | 13            | 279    | 328    |
| Collisions, derailments, etc. (below \$   | 14             | 33                | 7     | ---           | ---         | 1                 | ---              | 12            | 67     | 82     |
| Highway-rail crossing accidents/incide  | 394            | 211               | 361   | ---           | 3           | 13                | ---              | 520           | 1,502  | 1,708  |
| Struck by/ran into loco/car(not at hwy  | 44             | 10                | 77    | ---           | ---         | 3                 | ---              | 62            | 196    | 374    |
| Servicing or maintenance of equipment.  | 8              | 18                | 1     | ---           | ---         | 1                 | ---              | 1             | 29     | 41     |
| Maintenance of way and structures.....  | 21             | 26                | 6     | ---           | ---         | 1                 | ---              | 7             | 61     | 72     |
| Freight, baggage, express or mail.....  | 2              | 6                 | ---   | ---           | ---         | ---               | ---              | 1             | 9      | 11     |
| Windows, doors, etc., on on-track equi  | 24             | 18                | 18    | ---           | ---         | 1                 | ---              | 2             | 63     | 71     |
| Passenger car doors.....  | 2              | 1                 | 3     | ---           | ---         | ---               | ---              | ---           | 6      | 6      |
| Stumbling, slipping, falling, caught,   | 34             | 47                | 18    | ---           | ---         | ---               | 1                | 3             | 103    | 129    |
| Flying or falling objects, burns, etc.  | 14             | 2                 | 10    | 1             | 13          | ---               | 19               | 30            | 89     | 90     |
| Operation of on-track work equipment..  | 4              | 13                | 1     | ---           | ---         | 2                 | ---              | 1             | 21     | 24     |
| Assault.....  | 11             | 7                 | 15    | ---           | ---         | 1                 | 3                | 10            | 47     | 49     |
| Other occurrences.....  | 50             | 70                | 27    | ---           | 2           | 3                 | ---              | 17            | 169    | 200    |
| Total.....  | 812            | 889               | 631   | 5             | 25          | 39                | 94               | 746           | 3,241  | 3,825  |
| <b>NONTRAIN INCIDENTS</b>   |                |                   |       |               |             |                   |                  |               |        |        |
| Coupling and uncoupling locomotives or  | 53             | 203               | 26    | ---           | ---         | 6                 | 5                | 10            | 303    | 329    |
| Coupling/uncoupling air/steam hose, saf   | 45             | 96                | 21    | ---           | 1           | 6                 | 4                | 14            | 187    | 197    |
| Operating or on locomotives.....  | 59             | 149               | 21    | 6             | 1           | 2                 | 37               | 54            | 329    | 350    |
| Operating rail motorcars.....   | 5              | 21                | 5     | ---           | ---         | ---               | ---              | 1             | 32     | 35     |
| Operating hand brakes.....  | 29             | 162               | 10    | ---           | ---         | 2                 | 1                | 12            | 216    | 230    |
| Operating switches or derails.....  | 54             | 509               | 13    | ---           | ---         | 6                 | 3                | 30            | 615    | 637    |
| Contacting fixed objects while on loco  | 7              | 3                 | 3     | ---           | ---         | ---               | ---              | ---           | 13     | 15     |
| Getting on or off cars or locomotives.  | 159            | 438               | 52    | 1             | 1           | 11                | ---              | 26            | 688    | 776    |
| Collisions, derailments, etc. (below \$   | ---            | ---               | ---   | ---           | ---         | ---               | ---              | ---           | ---    | ---    |
| Highway-rail crossing accidents/incide  | 10             | 5                 | 14    | ---           | ---         | 1                 | ---              | 15            | 45     | 50     |
| Struck by/ran into loco/car(not at hwy  | 4              | 5                 | 2     | ---           | ---         | ---               | 1                | 2             | 14     | 18     |
| Servicing or maintenance of equipment.  | 294            | 1,054             | 344   | 32            | 69          | 28                | 153              | 181           | 2,155  | 2,357  |
| Maintenance of way and structures.....  | 393            | 1,367             | 518   | 22            | 37          | 30                | 122              | 224           | 2,713  | 2,972  |
| Freight, baggage, express or mail.....  | 14             | 84                | 7     | ---           | ---         | ---               | ---              | 5             | 110    | 112    |
| Windows, doors, etc., on on-track equi  | 54             | 115               | 46    | ---           | ---         | 3                 | 1                | 14            | 233    | 265    |
| Passenger car doors.....  | 3              | 7                 | 1     | ---           | ---         | ---               | ---              | ---           | 11     | 14     |
| Stumbling, slipping, falling, caught,   | 445            | 939               | 169   | ---           | 1           | 32                | ---              | 77            | 1,663  | 1,947  |
| Flying or falling objects, burns, etc.  | 37             | 6                 | 39    | 10            | 14          | ---               | 81               | 54            | 241    | 255    |
| Operation of on-track work equipment..  | 7              | 30                | 12    | ---           | 1           | 1                 | 1                | 2             | 54     | 61     |
| Assault.....  | 44             | 46                | 24    | ---           | ---         | 3                 | 1                | 14            | 132    | 141    |
| Other occurrences.....  | 224            | 720               | 154   | 2             | 2           | 10                | 13               | 272           | 1,397  | 1,482  |
| Total.....  | 1,940          | 5,959             | 1,481 | 73            | 127         | 141               | 423              | 1,007         | 11,151 | 12,243 |
| Grand Total.....  | 2,884          | 7,035             | 2,142 | 80            | 154         | 183               | 517              | 1,814         | 14,809 | 16,526 |

TABLE 50. NATURE OF INJURIES BY PERSON, 1994

| Type Person               | Amputations  |        |              |     |               | Fractures |              |        |              |     |               |       |
|---------------------------|--------------|--------|--------------|-----|---------------|-----------|--------------|--------|--------------|-----|---------------|-------|
|                           | Arm/<br>Hand | Finger | Leg/<br>Foot | Toe | Other<br>Part | Total     | Arm/<br>Hand | Finger | Leg/<br>Foot | Toe | Other<br>Part | Total |
| <b>EMPLOYEES ON DUTY</b>  |              |        |              |     |               |           |              |        |              |     |               |       |
| <b>YARD SERVICE:</b>      |              |        |              |     |               |           |              |        |              |     |               |       |
| Engineers and Motormen    | ---          | 1      | ---          | --- | ---           | 1         | 3            | 4      | 7            | 2   | 2             | 18    |
| Firemen and Helpers       | ---          | ---    | ---          | --- | ---           | ---       | ---          | ---    | ---          | --- | ---           | ---   |
| Conductors and Foremen    | 1            | 1      | 2            | --- | ---           | 4         | 9            | 5      | 12           | 2   | 10            | 38    |
| Brakemen and Helpers      | ---          | ---    | 1            | 2   | ---           | 3         | 14           | 10     | 11           | 2   | 11            | 48    |
| Total.....                | 1            | 2      | 3            | 2   | ---           | 8         | 26           | 19     | 30           | 6   | 23            | 104   |
| <b>FREIGHT SERVICE:</b>   |              |        |              |     |               |           |              |        |              |     |               |       |
| Engineers and Motormen    | ---          | 1      | ---          | --- | ---           | 1         | 8            | 6      | 6            | 1   | 9             | 30    |
| Firemen and Helpers       | ---          | ---    | ---          | --- | ---           | ---       | ---          | ---    | 6            | --- | ---           | ---   |
| Conductors and Foremen    | ---          | 2      | 4            | --- | ---           | 6         | 17           | 17     | 31           | 6   | 25            | 96    |
| Brakemen and Helpers      | ---          | 1      | 3            | --- | ---           | 4         | 8            | 9      | 12           | 3   | 8             | 40    |
| Total.....                | ---          | 4      | 7            | --- | ---           | 11        | 33           | 32     | 49           | 10  | 42            | 166   |
| <b>PASSENGER SERVICE:</b> |              |        |              |     |               |           |              |        |              |     |               |       |
| Engineers and Motormen    | ---          | ---    | ---          | --- | ---           | ---       | 1            | 2      | 2            | --- | 1             | 6     |
| Firemen and Helpers       | ---          | ---    | ---          | --- | ---           | ---       | ---          | ---    | ---          | --- | ---           | ---   |
| Conductors and Foremen    | ---          | 1      | ---          | --- | ---           | 1         | 3            | 3      | 2            | 5   | 5             | 18    |
| Baggagemen                | ---          | ---    | ---          | --- | ---           | ---       | ---          | ---    | ---          | --- | ---           | ---   |
| Brakemen and Helpers      | ---          | ---    | ---          | --- | ---           | ---       | 1            | 1      | ---          | --- | 1             | 3     |
| Total.....                | ---          | 1      | ---          | --- | ---           | 1         | 5            | 6      | 4            | 5   | 8             | 28    |
| <b>HOSTLERS</b>           | ---          | ---    | ---          | --- | ---           | ---       | ---          | 1      | ---          | --- | ---           | 1     |
| <b>--SUMMARY--</b>        |              |        |              |     |               |           |              |        |              |     |               |       |
| Total employees on duty   | 4            | 31     | 13           | 2   | ---           | 50        | 189          | 258    | 235          | 79  | 164           | 925   |
| Employees not on duty     | ---          | ---    | ---          | --- | ---           | ---       | 9            | 1      | 14           | --- | 8             | 32    |
| Passengers                | ---          | ---    | 1            | --- | ---           | 1         | 13           | 8      | 29           | 2   | 14            | 66    |
| Nontrespassers            | 4            | 3      | 6            | 1   | ---           | 14        | 76           | 19     | 115          | 10  | 142           | 362   |
| Trespassers               | 18           | 4      | 82           | 13  | ---           | 117       | 26           | 2      | 60           | 3   | 59            | 150   |
| Grand total               | 26           | 38     | 102          | 16  | ---           | 182       | 313          | 288    | 453          | 94  | 387           | 1,535 |

TABLE 50. NATURE OF INJURIES BY PERSON, CONT., 1994

| Type Person               | .....Other Injuries..... |           |            |               |             |                   |                  |            | Total Injured |           |
|---------------------------|--------------------------|-----------|------------|---------------|-------------|-------------------|------------------|------------|---------------|-----------|
|                           | Sprain/<br>Bruise        | Strain    | Cut        | Elec.<br>Burn | Other Burns | Disloc-<br>Cation | Object<br>In Eye | Other      |               |           |
| <b>EMPLOYEES ON DUTY</b>  |                          |           |            |               |             |                   |                  |            |               |           |
| <b>YARD SERVICE:</b>      |                          |           |            |               |             |                   |                  |            |               |           |
| Engineers and Motormen    | 50                       | 169       | 17         | 2             | ---         | 2                 | 23               | 15         | 278           | 297       |
| Firemen and Helpers       | 1                        | 2         | ---        | ---           | ---         | ---               | ---              | 1          | 4             | 4         |
| Conductors and Foremen    | 127                      | 308       | 39         | ---           | 3           | 5                 | 19               | 45         | 546           | 588       |
| Brakemen and Helpers      | 129                      | 473       | 56         | ---           | 7           | 10                | 32               | 42         | 749           | 800       |
| Total.....                | 307                      | 952       | 112        | 2             | 10          | 17                | 74               | 103        | 1,577         | 1,689     |
| <b>FREIGHT SERVICE:</b>   |                          |           |            |               |             |                   |                  |            |               |           |
| Engineers and Motormen    | 117                      | 339       | 43         | 3             | 4           | 9                 | 23               | 77         | 615           | 646       |
| Firemen and Helpers       | 3                        | 5         | 1          | ---           | 1           | ---               | ---              | 1          | 11            | 11        |
| Conductors and Foremen    | 193                      | 690       | 76         | ---           | 4           | 16                | 31               | 83         | 1,093         | 1,195     |
| Brakemen and Helpers      | 89                       | 356       | 35         | ---           | 3           | 8                 | 17               | 33         | 541           | 585       |
| Total.....                | 402                      | 1,390     | 155        | 3             | 12          | 33                | 71               | 194        | 2,260         | 2,437     |
| <b>PASSENGER SERVICE:</b> |                          |           |            |               |             |                   |                  |            |               |           |
| Engineers and Motormen    | 40                       | 69        | 11         | 1             | ---         | 1                 | 20               | 25         | 167           | 173       |
| Firemen and Helpers       | ---                      | ---       | ---        | ---           | ---         | 1                 | 1                | ---        | 2             | 3         |
| Conductors and Foremen    | 101                      | 250       | 34         | 2             | ---         | 5                 | 22               | 30         | 444           | 463       |
| Baggagemen                | 3                        | 2         | ---        | ---           | ---         | ---               | ---              | ---        | 5             | 5         |
| Brakemen and Helpers      | 7                        | 36        | 5          | ---           | ---         | ---               | 5                | 4          | 57            | 60        |
| Total.....                | 151                      | 357       | 50         | 3             | ---         | 7                 | 48               | 59         | 675           | 704       |
| <b>HOSTLERS</b>           | <b>6</b>                 | <b>27</b> | <b>---</b> | <b>---</b>    | <b>---</b>  | <b>---</b>        | <b>---</b>       | <b>---</b> | <b>33</b>     | <b>34</b> |
| <b>--SUMMARY--</b>        |                          |           |            |               |             |                   |                  |            |               |           |
| Total employees on duty   | 2,107                    | 6,428     | 1,412      | 70            | 145         | 148               | 501              | 1,009      | 11,820        | 12,795    |
| Employees not on duty     | 81                       | 115       | 35         | ---           | ---         | 2                 | 6                | 34         | 273           | 305       |
| Passengers                | 137                      | 142       | 83         | 1             | 1           | 7                 | 1                | 58         | 430           | 497       |
| Nontrespassers            | 445                      | 299       | 458        | 4             | 6           | 18                | 8                | 551        | 1,789         | 2,165     |
| Trespassers               | 114                      | 51        | 154        | 5             | 2           | 8                 | 1                | 162        | 497           | 764       |
| Grand total               | 2,884                    | 7,035     | 2,142      | 80            | 154         | 183               | 517              | 1,814      | 14,809        | 16,526    |

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**INTENTIONALLY**

TABLE 51. EMPLOYEE ON DUTY CASUALTIES BY TYPE OF CASUALTY, 1994

| Type/Location<br>Of Casualty      | Total<br>Cases | CASES WITH DAYS AWAY FROM WORK OR DAYS OF RESTRICTION |                   |                     |                        |                        | Other<br>Cases |
|-----------------------------------|----------------|---|-------------------|---------------------|------------------------|------------------------|----------------|
|                                   |                | Total<br>Cases  | Lost Day<br>Cases | Restricted<br>Cases | Days Away<br>From Work | Days Of<br>Restriction |                |
| <b>INJURIES</b>                   |                |   |                   |                     |                        |                        |                |
| Bruise - Contusion                |                |   |                   |                     |                        |                        |                |
| Arm or Hand..                     | 573            | 387   | 311               | 76                  | 10,730                 | 1,408                  | 186            |
| Leg or Foot..                     | 660            | 550   | 497               | 53                  | 18,797                 | 2,541                  | 110            |
| Head or Face..                    | 203            | 155   | 149               | 6                   | 7,173                  | 244                    | 48             |
| Torso.....                        | 578            | 492   | 446               | 46                  | 29,387                 | 2,303                  | 86             |
| Other Parts..                     | 93             | 81  | 80                | 1                   | 4,145                  | 22                     | 12             |
| Subtotal                          | 2,107          | 1,665   | 1,483             | 182                 | 70,232                 | 6,518                  | 442            |
| Sprain - Strain                   |                |   |                   |                     |                        |                        |                |
| Arm or Hand..                     | 655            | 527   | 410               | 117                 | 19,413                 | 4,898                  | 128            |
| Leg or Foot..                     | 1,532          | 1,356   | 1,205             | 151                 | 67,476                 | 6,776                  | 176            |
| Head or Face..                    | 378            | 318   | 291               | 27                  | 20,252                 | 1,996                  | 60             |
| Torso.....                        | 3,714          | 3,211   | 2,866             | 345                 | 191,197                | 18,630                 | 503            |
| Other Parts..                     | 149            | 134   | 124               | 10                  | 6,180                  | 295                    | 15             |
| Subtotal                          | 6,428          | 5,546   | 4,896             | 650                 | 304,518                | 32,595                 | 882            |
| Cut or Laceration                 |                |   |                   |                     |                        |                        |                |
| Arm or Hand..                     | 706            | 319   | 224               | 95                  | 4,833                  | 2,186                  | 387            |
| Leg or Foot..                     | 200            | 124   | 104               | 20                  | 3,069                  | 421                    | 76             |
| Head or Face..                    | 469            | 182   | 165               | 17                  | 5,949                  | 1,129                  | 287            |
| Torso.....                        | 23             | 17  | 16                | 1                   | 1,591                  | 101                    | 6              |
| Other Parts..                     | 14             | 11  | 11                | 0                   | 551                    | 0                      | 3              |
| Subtotal                          | 1,412          | 653   | 520               | 133                 | 15,993                 | 3,837                  | 759            |
| Puncture.....                     | 221            | 89  | 78                | 11                  | 1,820                  | 306                    | 132            |
| Electric Shock or Burn.....       | 70             | 54  | 52                | 2                   | 2,014                  | 147                    | 16             |
| Other Burn.....                   | 145            | 86  | 72                | 14                  | 1,362                  | 271                    | 59             |
| Dislocation.....                  | 148            | 132   | 115               | 17                  | 9,151                  | 1,883                  | 16             |
| Fracture                          |                |   |                   |                     |                        |                        |                |
| Arm or Hand..                     | 447            | 345   | 258               | 87                  | 18,088                 | 4,985                  | 102            |
| Leg or Foot..                     | 314            | 295   | 270               | 25                  | 21,770                 | 2,484                  | 19             |
| Head or Face..                    | 32             | 25  | 24                | 1                   | 2,589                  | 47                     | 7              |
| Torso.....                        | 127            | 115   | 108               | 7                   | 8,959                  | 571                    | 12             |
| Other Parts..                     | 5              | 5   | 5                 | 0                   | 374                    | 55                     | 0              |
| Subtotal                          | 925            | 785   | 665               | 120                 | 51,780                 | 8,142                  | 140            |
| Dental.....                       | 49             | 17  | 15                | 2                   | 150                    | 26                     | 32             |
| Amputation                        |                |   |                   |                     |                        |                        |                |
| Arm or Hand..                     | 35             | 32  | 28                | 4                   | 1,285                  | 349                    | 3              |
| Leg or Foot..                     | 15             | 15  | 15                | 0                   | 3,778                  | 0                      | 0              |
| Other Parts..                     | 0              | 0   | 0                 | 0                   | 0                      | 0                      | 0              |
| Subtotal                          | 50             | 47  | 43                | 4                   | 5,063                  | 349                    | 3              |
| Foreign Object in Eye.....        | 501            | 195   | 170               | 25                  | 1,040                  | 237                    | 306            |
| Hernia.....                       | 111            | 104   | 100               | 4                   | 6,416                  | 411                    | 7              |
| Concussion.....                   | 40             | 36  | 36                | 0                   | 1,699                  | 312                    | 4              |
| Nervous Shock (Injury Related)..  | 9              | 6   | 5                 | 1                   | 477                    | 2                      | 3              |
| Internal Injury.....              | 28             | 26  | 25                | 1                   | 1,998                  | 228                    | 2              |
| Loss of Eye.....                  | 1              | 0   | 0                 | 0                   | 0                      | 0                      | 1              |
| Reaction 1 Time Exposure (Chem).. | 49             | 20  | 19                | 1                   | 76                     | 3                      | 29             |
| One Time Exposure to Noise.....   | 24             | 18  | 16                | 2                   | 970                    | 24                     | 6              |
| One Time Exposure to Fumes.....   | 122            | 97  | 95                | 2                   | 1,142                  | 23                     | 25             |
| Other -Not Elsewhere Classified.. | 355            | 214   | 190               | 24                  | 9,538                  | 1,111                  | 141            |
| Total Nonfatal Injuries           | 12,795         | 9,790   | 8,595             | 1,195               | 485,439                | 56,425                 | 3,005          |
| <b>ILLNESSES</b>                  |                |   |                   |                     |                        |                        |                |
| Occu. Skin Diseases or Disorders  | 55             | 24  | 23                | 1                   | 91                     | 103                    | 31             |
| Dust Diseases of the Lungs.....   | 1              | 1   | 1                 | 0                   | 10                     | 0                      | 0              |
| Respiratory-Due to Toxic Agents.. | 22             | 20  | 20                | 0                   | 662                    | 1                      | 2              |
| Poison-Systemic Effect of Toxin   | 5              | 3   | 3                 | 0                   | 267                    | 0                      | 2              |
| Disorders Due to Physical Agents  | 44             | 30  | 29                | 1                   | 609                    | 103                    | 14             |
| Disorders Due to Repeated Trauma  | 127            | 80  | 64                | 16                  | 4,772                  | 657                    | 47             |
| Other Occupational Illnesses....  | 31             | 26  | 23                | 3                   | 554                    | 54                     | 5              |
| Total Nonfatal Illnesses          | 285            | 184   | 163               | 21                  | 6,965                  | 918                    | 101            |

\*\*\*Fatal INJURIES > 31

\*\*\*Fatal ILLNESSES > 0

\*\*\*TOTAL FATALITIES > 31

TABLE 52. EMPLOYEE ON DUTY CASUALTIES BY JOB CATEGORY, 1994

|  | Killed | Injured | Illness | Total |
|--|--------|---------|---------|-------|
| <b>EXECUTIVES, OFFICIALS, AND STAFF ASSISTANTS</b>                   |        |         |         |       |
| Executives, officials, and staff assistants (miscellaneous).....     | ---    | 2       | ---     | 2     |
| Executives and general officers.....                                 | ---    | 3       | ---     | 3     |
| Corporate staff managers.....  | ---    | 6       | 1       | 7     |
| Regional and division officers, assistants and staff assistants....  | ---    | 16      | ---     | 16    |
| Transportation officers/managers.....                                | ---    | 16      | ---     | 16    |
| Subtotal.....  | ---    | 43      | 1       | 44    |
| <b>PROFESSIONAL AND ADMINISTRATIVE</b>                               |        |         |         |       |
| Professional and administrative (miscellaneous).....                 | ---    | 6       | ---     | 6     |
| Professional.....  | ---    | 18      | 2       | 20    |
| Subprofessionals.....  | ---    | 14      | 2       | 16    |
| Auditors, traveling auditors or accountants.....                     | ---    | 7       | ---     | 7     |
| General and administrative supervisors.....                          | ---    | 13      | ---     | 13    |
| Sales and traffic representatives and agents.....                    | ---    | 31      | ---     | 31    |
| Freight and other claim agents and investigators.....                | ---    | 7       | ---     | 7     |
| Supervising and chief claim agents.....                              | ---    | 1       | ---     | 1     |
| Lieutenants and sergeants of police.....                             | ---    | 31      | 1       | 32    |
| Police officers, watchmen and guards (except crossing & bridge)....  | ---    | 149     | 4       | 153   |
| Inspectors, (except MOW & MOE), other investigators, examiners, etc  | 1      | 5       | ---     | 6     |
| Buyers, and sales agents.....  | ---    | 9       | ---     | 9     |
| Clerical technicians and clerical specialists.....                   | ---    | 68      | 10      | 78    |
| Office machine and data equipment operators.....                     | ---    | 19      | 2       | 21    |
| Secretaries, stenographers, and typists.....                         | ---    | 14      | 4       | 18    |
| General and other clerks (except yard clerk and crew dispatcher)...  | ---    | 181     | 5       | 186   |
| Telephone and switchboard operators.....                             | ---    | 1       | ---     | 1     |
| Building and office attendants.....                                  | ---    | 77      | 3       | 80    |
| Messengers and office persons.....                                   | ---    | 4       | ---     | 4     |
| Motor vehicle operators.....   | 1      | 54      | 2       | 57    |
| Subtotal.....  | 2      | 709     | 35      | 746   |
| <b>MAINTENANCE OF WAY AND STRUCTURES</b>                             |        |         |         |       |
| Maintenance of way and structures (miscellaneous).....               | ---    | 16      | ---     | 16    |
| Supervisors, maintenance of way, structures, communication & signals | ---    | 75      | ---     | 75    |
| Maintenance of way, structures, comm. & signals, & scale inspectors  | ---    | 70      | 1       | 71    |
| Bridge and building gang foreman.....                                | ---    | 66      | 3       | 69    |
| Bridge and building carpenters.....                                  | ---    | 132     | 4       | 136   |
| Bridge and building ironworkers.....                                 | ---    | 42      | 3       | 45    |
| Bridge and building painters.....                                    | ---    | 3       | ---     | 3     |
| Masons, bricklayers, plasterers, and plumbers.....                   | ---    | 125     | 1       | 126   |
| Bridge and building helpers and apprentices.....                     | ---    | 62      | 3       | 65    |
| Bridge and building gang and bridge and building dept laborers.....  | 1      | 54      | 1       | 56    |
| Track gang foremen (extra gang work train laborers).....             | ---    | 110     | 2       | 112   |
| Gang or section foreman.....   | ---    | 250     | 6       | 256   |
| Extra gang laborers.....   | 2      | 451     | 13      | 466   |
| Section laborers.....  | ---    | 897     | 30      | 927   |
| Machine operators.....   | ---    | 575     | 13      | 588   |
| Gang foremen, communications and signals.....                        | ---    | 35      | 1       | 36    |
| Signalmen and signal maintainers.....                                | 3      | 343     | 10      | 356   |
| Linemen and groundmen and communications craftsman.....              | ---    | 110     | 3       | 113   |
| Assistant signalmen and assistant signal maintainers.....            | ---    | 40      | 2       | 42    |
| Signal helpers and signal maintainer helpers.....                    | ---    | 18      | ---     | 18    |
| Camp car cooks.....  | ---    | 11      | ---     | 11    |
| Subtotal.....  | 6      | 3,485   | 96      | 3,587 |
| <b>MAINTENANCE OF EQUIPMENT AND STORES</b>                           |        |         |         |       |
| Maintenance of equipment and stores (miscellaneous).....             | ---    | 9       | ---     | 9     |
| Supervisors and general foremen, maintenance of equipment.....       | 1      | 55      | 1       | 57    |
| Supervisors and general foremen, materials and stores.....           | ---    | 10      | ---     | 10    |
| Equipment, shop, electrical inspectors.....                          | ---    | 20      | ---     | 20    |
| Materials and supplies inspectors.....                               | ---    | 2       | 1       | 3     |
| Storekeeper.....   | ---    | 43      | 1       | 44    |
| Gang foremen, maintenance of equipment.....                          | ---    | 63      | ---     | 63    |
| Blacksmiths.....   | ---    | 11      | ---     | 11    |
| Boilermakers.....  | ---    | 52      | 4       | 56    |
| Carmen (freight).....  | ---    | 829     | 14      | 843   |
| Carmen (other).....  | 1      | 287     | 1       | 289   |

TABLE 52. EMPLOYEE ON DUTY CASUALTIES BY JOB CATEGORY, CONT., 1994

|  | Killed | Injured | Illness | Total  |
|--|--------|---------|---------|--------|
| <b>MAINTENANCE OF EQUIPMENT AND STORES (cont.)</b>                     |        |         |         |        |
| Electrical workers (A).....  | ---    | 383     | 9       | 392    |
| Electrical workers (B).....  | ---    | 11      | ---     | 11     |
| Electrical workers (C).....  | ---    | 6       | 1       | 7      |
| Machinists.....  | ---    | 554     | 13      | 567    |
| Sheet metal workers.....   | ---    | 110     | 9       | 119    |
| Skilled trades, helpers, maintenance of equipment and stores.....      | ---    | 103     | 1       | 104    |
| Apprentices, maintenance of equipment and stores.....                  | ---    | 18      | ---     | 18     |
| Coach cleaners.....  | ---    | 177     | ---     | 177    |
| Laborers: shops, enginehouses and power plants.....                    | ---    | 233     | 6       | 239    |
| Gang foremen, materials and stores.....                                | ---    | 5       | ---     | 5      |
| Equipment operators and general laborers, materials and stores.....    | ---    | 60      | 1       | 61     |
| Stationary engineers.....  | ---    | 1       | ---     | 1      |
| Stationary firemen.....  | ---    | 3       | ---     | 3      |
| Subtotal.....  | 2      | 3,045   | 62      | 3,109  |
| <b>TRANSPORTATION, OTHER THAN TRAIN AND ENGINE</b>                     |        |         |         |        |
| Transportation, other than train and engine (miscellaneous).....       | ---    | 3       | ---     | 3      |
| Transportation supervisor and chief train dispatcher.....              | ---    | 7       | ---     | 7      |
| Train dispatchers.....   | ---    | 7       | 2       | 9      |
| Station, freight and passenger agents.....                             | ---    | 55      | 1       | 56     |
| Clerk operators, towerman, train directors.....                        | ---    | 27      | ---     | 27     |
| Station masters & assts, supervising bag. agents, bag. agents, etc.    | ---    | 4       | ---     | 4      |
| Baggage, parcel room and station attendants.....                       | ---    | 66      | 1       | 67     |
| General & asst gnrl foremen, stations, warehouses, grain elev., docks. | ---    | 1       | ---     | 1      |
| Gang foremen, stations, warehouses, grain elevators and docks.....     | ---    | 1       | ---     | 1      |
| Grain elevator, and dock laborers.....                                 | ---    | 10      | ---     | 10     |
| Station, and warehouse laborers.....                                   | ---    | 50      | 1       | 51     |
| Truckers (station, warehouse and platforms).....                       | ---    | 7       | ---     | 7      |
| Food and lodging manager, supervisors.....                             | ---    | 11      | ---     | 11     |
| Transportation and dining-service inspectors.....                      | ---    | 2       | ---     | 2      |
| Waiters and kitchen helpers (restaurant and dining car).....           | ---    | 12      | ---     | 12     |
| Chefs and cooks (restaurant and dining car).....                       | ---    | 56      | 1       | 57     |
| Train attendants.....  | ---    | 184     | 1       | 185    |
| Bridge operators and helpers.....                                      | ---    | 9       | ---     | 9      |
| Bridge and crossing flagmen and gatemen.....                           | ---    | 1       | ---     | 1      |
| Yards clerks.....  | ---    | 32      | 2       | 34     |
| Crew dispatchers.....  | ---    | 14      | ---     | 14     |
| Yardmasters and assistant yardmasters.....                             | ---    | 30      | 1       | 31     |
| Subtotal.....  | ---    | 589     | 10      | 599    |
| <b>TRANSPORTATION, TRAIN AND ENGINE</b>                                |        |         |         |        |
| Transportation, train and engine (miscellaneous).....                  | ---    | 12      | ---     | 12     |
| Switchtenders.....   | ---    | 35      | ---     | 35     |
| Car retarder operators and ground service employees.....               | ---    | 3       | ---     | 3      |
| Outside hostlers.....  | ---    | 25      | ---     | 25     |
| Outside hostler helpers.....   | ---    | 9       | ---     | 9      |
| Inside hostler.....  | ---    | 10      | ---     | 10     |
| Road passenger conductors.....   | ---    | 379     | 7       | 386    |
| Assistant road passenger conductors and ticket collectors.....         | ---    | 84      | 2       | 86     |
| Road freight conductors (through freight).....                         | 3      | 736     | 11      | 750    |
| Road freight conductors (local and way freight).....                   | 2      | 459     | 6       | 467    |
| Road passenger baggageperson.....                                      | ---    | 5       | ---     | 5      |
| Road Passenger brakemen and flagmen.....                               | ---    | 60      | ---     | 60     |
| Road freight brakemen and flagmen (through freight).....               | 2      | 198     | ---     | 200    |
| Road freight brakemen and flagmen (local and way freight).....         | 5      | 387     | 5       | 397    |
| Yard conductors and yard foremen.....                                  | 2      | 588     | 8       | 598    |
| Yard brakemen and yard helpers.....                                    | 2      | 800     | 9       | 811    |
| Road passenger engineers and motormen.....                             | 1      | 173     | 16      | 190    |
| Road freight engineers (through freight).....                          | 4      | 416     | 9       | 429    |
| Road freight engineers (local and way freight).....                    | ---    | 230     | 4       | 234    |
| Yard engineers.....  | ---    | 297     | 4       | 301    |
| Road passenger firemen and helpers.....                                | ---    | 3       | ---     | 3      |
| Road freight firemen and helpers (through freight).....                | ---    | 10      | ---     | 10     |
| Road freight firemen and helpers (local and way freight).....          | ---    | 1       | ---     | 1      |
| Yard firemen and helpers.....  | ---    | 4       | ---     | 4      |
| Subtotal.....  | 21     | 4,924   | 81      | 5,026  |
| Total.....   | 31     | 12,795  | 285     | 13,111 |



TABLE 53. EMPLOYEE FATALITIES BY JOB GROUPS, 1994

| Type accident/incident                             | I*  | II  | III | IV  | V   | VI  | Total |
|--|-----|-----|-----|-----|-----|-----|-------|
| <b>TRAIN ACCIDENTS</b>                             |     |     |     |     |     |     |       |
| Collisions   | --- | --- | --- | --- | --- | 8   | 8     |
| Deraillments                                       | --- | --- | --- | --- | --- | --- | ---   |
| Highway-rail x-ing                                 | --- | --- | --- | --- | --- | 1   | 1     |
| Miscellaneous                                      | --- | --- | --- | --- | --- | --- | ---   |
| Total.....   | --- | --- | --- | --- | --- | 9   | 9     |
| <b>TRAIN INCIDENTS</b>                             |     |     |     |     |     |     |       |
| Coupling and uncoupling locomotives or cars.....   | --- | --- | --- | --- | --- | 4   | 4     |
| Coupling/uncoupling air/steam hose, safety chains. | --- | --- | --- | --- | --- | --- | ---   |
| Operating or on locomotives.....                   | --- | --- | --- | --- | --- | 1   | 1     |
| Operating rail motorcars.....                      | --- | --- | --- | --- | --- | --- | ---   |
| Operating hand brakes.....                         | --- | --- | --- | --- | --- | 1   | 1     |
| Operating switches or derails.....                 | --- | --- | --- | --- | --- | --- | ---   |
| Contacting fixed objects while on locos or cars..  | --- | --- | --- | --- | --- | 1   | 1     |
| Getting on or off cars or locomotives.....         | --- | --- | --- | --- | --- | --- | ---   |
| Collisions, derailments, etc. (below \$ threshold) | --- | --- | 1   | --- | --- | 3   | 4     |
| Highway-rail crossing accidents/incidents.....     | --- | --- | --- | --- | --- | --- | ---   |
| Struck by/ran into loco/car(not at hwy-rr x-ing).  | --- | --- | 2   | --- | --- | 1   | 3     |
| Servicing or maintenance of equipment.....         | --- | --- | --- | 1   | --- | --- | 1     |
| Maintenance of way and structures.....             | --- | --- | 1   | --- | --- | --- | 1     |
| Freight, baggage, express or mail.....             | --- | --- | --- | --- | --- | --- | ---   |
| Windows, doors, etc., on on-track equipment.....   | --- | --- | --- | --- | --- | --- | ---   |
| Passenger car doors.....                           | --- | --- | --- | --- | --- | --- | ---   |
| Stumbling, slipping, falling, caught, N.O.C.....   | --- | --- | --- | --- | --- | 1   | 1     |
| Flying or falling objects, burns, etc., N.O.C....  | --- | --- | --- | --- | --- | --- | ---   |
| Operation of on-track work equipment.....          | --- | --- | --- | --- | --- | --- | ---   |
| Assault.....                                       | --- | --- | --- | --- | --- | --- | ---   |
| Other occurrences.....                             | --- | --- | --- | --- | --- | --- | ---   |
| Total.....   | --- | --- | 4   | 1   | --- | 12  | 17    |
| <b>NONTRAIN INCIDENTS</b>                          |     |     |     |     |     |     |       |
| Coupling and uncoupling locomotives or cars.....   | --- | --- | --- | --- | --- | --- | ---   |
| Coupling/uncoupling air/steam hose, safety chains. | --- | --- | --- | --- | --- | --- | ---   |
| Operating or on locomotives.....                   | --- | --- | --- | --- | --- | --- | ---   |
| Operating rail motorcars.....                      | --- | --- | --- | --- | --- | --- | ---   |
| Operating hand brakes.....                         | --- | --- | --- | --- | --- | --- | ---   |
| Operating switches or derails.....                 | --- | --- | --- | --- | --- | --- | ---   |
| Contacting fixed objects while on locos or cars..  | --- | --- | --- | --- | --- | --- | ---   |
| Getting on or off cars or locomotives.....         | --- | --- | --- | --- | --- | --- | ---   |
| Collisions, derailments, etc. (below \$ threshold) | --- | --- | --- | --- | --- | --- | ---   |
| Highway-rail crossing accidents/incidents.....     | --- | --- | --- | --- | --- | --- | ---   |
| Struck by/ran into loco/car(not at hwy-rr x-ing).  | --- | --- | --- | --- | --- | --- | ---   |
| Servicing or maintenance of equipment.....         | --- | --- | --- | --- | --- | --- | ---   |
| Maintenance of way and structures.....             | --- | --- | 1   | --- | --- | --- | 1     |
| Freight, baggage, express or mail.....             | --- | --- | --- | --- | --- | --- | ---   |
| Windows, doors, etc., on on-track equipment.....   | --- | --- | --- | --- | --- | --- | ---   |
| Passenger car doors.....                           | --- | --- | --- | --- | --- | --- | ---   |
| Stumbling, slipping, falling, caught, N.O.C.....   | --- | --- | --- | --- | --- | --- | ---   |
| Flying or falling objects, burns, etc., N.O.C....  | --- | --- | --- | --- | --- | --- | ---   |
| Operation of on-track work equipment.....          | --- | --- | --- | --- | --- | --- | ---   |
| Assault.....                                       | --- | --- | --- | --- | --- | --- | ---   |
| Other occurrences.....                             | --- | --- | --- | --- | --- | --- | ---   |
| Total.....   | --- | 2   | 1   | 1   | --- | --- | 4     |
| Total.....   | --- | 2   | 2   | 1   | --- | --- | 5     |
| Grand total.....                                   | --- | 2   | 6   | 2   | --- | 21  | 31    |

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

TABLE 54. EMPLOYEE INJURIES BY JOB GROUPS, 1994

| Type accident/incident                             | I*  | II  | III   | IV    | V   | VI    | Total  |
|--|-----|-----|-------|-------|-----|-------|--------|
| <b>TRAIN ACCIDENTS</b>                             |     |     |       |       |     |       |        |
| Collisions   | --- | --- | 1     | 3     | 3   | 76    | 83     |
| Derailments  | --- | 1   | 1     | 1     | 4   | 38    | 45     |
| Highway-rail x-ing                                 | --- | --- | 2     | ---   | 3   | 46    | 51     |
| Miscellaneous                                      | --- | 1   | 2     | 3     | --- | 9     | 15     |
| Total  | --- | 2   | 6     | 7     | 10  | 169   | 194    |
| <b>TRAIN INCIDENTS</b>                             |     |     |       |       |     |       |        |
| Coupling and uncoupling locomotives or cars.....   | 1   | --- | ---   | 5     | --- | 126   | 132    |
| Coupling/uncoupling air/steam hose, safety chains. | --- | --- | ---   | 1     | --- | 13    | 14     |
| Operating or on locomotives.....                   | --- | --- | 1     | 3     | 15  | 360   | 379    |
| Operating rail motorcars.....                      | --- | 1   | 9     | ---   | --- | 6     | 16     |
| Operating hand brakes.....                         | --- | --- | ---   | 1     | --- | 39    | 40     |
| Operating switches or derails.....                 | --- | --- | ---   | ---   | --- | 7     | 7      |
| Contacting fixed objects while on locos or cars..  | --- | --- | ---   | 2     | 2   | 41    | 45     |
| Getting on or off cars or locomotives.....         | --- | --- | 3     | 1     | 8   | 243   | 255    |
| Collisions, derailments, etc. (below \$ threshold) | --- | --- | 11    | 3     | 3   | 47    | 64     |
| Highway-rail crossing accidents/incidents.....     | --- | 1   | 5     | ---   | --- | 61    | 67     |
| Struck by/ran into loco/car(not at hwy-rr x-ing).  | --- | 2   | 4     | 4     | 1   | 19    | 30     |
| Servicing or maintenance of equipment.....         | --- | --- | 6     | 30    | --- | 4     | 40     |
| Maintenance of way and structures.....             | 1   | --- | 66    | 3     | --- | 1     | 71     |
| Freight, baggage, express or mail.....             | --- | --- | 1     | ---   | 7   | 2     | 10     |
| Windows, doors, etc., on on-track equipment.....   | --- | --- | 1     | 2     | 14  | 44    | 61     |
| Passenger car doors.....                           | --- | --- | ---   | ---   | 2   | ---   | 2      |
| Stumbling, slipping, falling, caught, N.O.C.....   | --- | 1   | 3     | 6     | 15  | 53    | 78     |
| Flying or falling objects, burns, etc., N.O.C....  | --- | 1   | 2     | 1     | 14  | 59    | 77     |
| Operation of on-track work equipment.....          | --- | --- | 19    | ---   | 1   | 3     | 23     |
| Assault.....                                       | --- | 1   | 2     | 1     | 1   | 40    | 45     |
| Other occurrences.....                             | --- | --- | 3     | 12    | 44  | 85    | 144    |
| Total  | 2   | 7   | 136   | 75    | 127 | 1,253 | 1,600  |
| <b>NONTRAIN INCIDENTS</b>                          |     |     |       |       |     |       |        |
| Coupling and uncoupling locomotives or cars.....   | --- | --- | 1     | 15    | 1   | 310   | 327    |
| Coupling/uncoupling air/steam hose, safety chains. | --- | --- | 2     | 21    | 3   | 171   | 197    |
| Operating or on locomotives.....                   | --- | --- | ---   | 34    | 1   | 312   | 347    |
| Operating rail motorcars.....                      | --- | 1   | 16    | 1     | 1   | 16    | 35     |
| Operating hand brakes.....                         | --- | --- | 1     | 11    | 1   | 217   | 230    |
| Operating switches or derails.....                 | --- | --- | 27    | 32    | 5   | 572   | 636    |
| Contacting fixed objects while on locos or cars..  | --- | --- | 2     | 4     | 1   | 7     | 14     |
| Getting on or off cars or locomotives.....         | 2   | 6   | 9     | 99    | 18  | 512   | 646    |
| Collisions, derailments, etc. (below \$ threshold) | --- | --- | ---   | ---   | --- | 1     | 1      |
| Highway-rail crossing accidents/incidents.....     | --- | --- | 1     | ---   | 1   | 3     | 5      |
| Struck by/ran into loco/car(not at hwy-rr x-ing).  | --- | --- | 1     | ---   | --- | ---   | ---    |
| Servicing or maintenance of equipment.....         | 3   | 40  | 148   | 2,054 | 24  | 51    | 2,320  |
| Maintenance of way and structures.....             | 3   | 62  | 2,595 | 223   | 15  | 18    | 2,916  |
| Freight, baggage, express or mail.....             | --- | 6   | 1     | 7     | 77  | 20    | 111    |
| Windows, doors, etc., on on-track equipment.....   | 1   | 6   | 21    | 63    | 14  | 132   | 237    |
| Passenger car doors.....                           | --- | --- | ---   | 1     | --- | 3     | 4      |
| Stumbling, slipping, falling, caught, N.O.C.....   | 12  | 135 | 210   | 220   | 121 | 657   | 1,355  |
| Flying or falling objects, burns, etc., N.O.C....  | 1   | 34  | 12    | 27    | 37  | 97    | 208    |
| Operation of on-track work equipment.....          | --- | 2   | 43    | 13    | --- | 2     | 60     |
| Assault.....                                       | --- | 61  | 4     | 10    | 9   | 34    | 118    |
| Other occurrences.....                             | 19  | 347 | 250   | 128   | 123 | 367   | 1,234  |
| Total  | 41  | 700 | 3,343 | 2,963 | 452 | 3,502 | 11,001 |
| Grand total.....                                   | 43  | 709 | 3,485 | 3,045 | 589 | 4,924 | 12,795 |

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

TABLE 55. SUMMARY OF NONFATAL EMPLOYEE INJURIES BY OCCURRENCE, 1994

| Type of Occurrence                                 | Total Cases | Cases With Days Away From Work Or Days Of Restriction |                |                       |                     | Other Cases |       |
|--|-------------|---|----------------|-----------------------|---------------------|-------------|-------|
|  |             | Total Cases   | Lost Day Cases | Restricted Days Cases | Days Of Restriction |             |       |
| <b>TRAIN ACCIDENTS</b>                             |             |   |                |                       |                     |             |       |
| Collisions   | 83          | 73  | 73             | ---                   | 6,209               | 295         | 10    |
| Derailments  | 45          | 36  | 36             | ---                   | 3,401               | 136         | 9     |
| Highway-rail x-ing                                 | 51          | 44  | 44             | ---                   | 3,907               | 116         | 7     |
| Miscellaneous                                      | 15          | 13  | 13             | ---                   | 437                 | ---         | 2     |
| Total.....   | 194         | 166   | 166            | ---                   | 13,954              | 547         | 28    |
| <b>TRAIN INCIDENTS</b>                             |             |   |                |                       |                     |             |       |
| Coupling and uncoupling locomotives or cars.....   | 132         | 118   | 104            | 14                    | 6,527               | 633         | 14    |
| Coupling/uncoupling air/steam hose, safety chains. | 14          | 10  | 10             | ---                   | 1,203               | ---         | 4     |
| Operating or on locomotives.....                   | 379         | 285   | 266            | 19                    | 16,776              | 728         | 94    |
| Operating rail motorcars.....                      | 16          | 14  | 13             | 1                     | 689                 | 50          | 2     |
| Operating hand brakes.....                         | 40          | 39  | 33             | 6                     | 1,856               | 361         | 1     |
| Operating switches or derails.....                 | 7           | 7   | 6              | 1                     | 756                 | 2           | ---   |
| Contacting fixed objects while on locos or cars..  | 45          | 42  | 37             | 5                     | 2,915               | 413         | 3     |
| Getting on or off cars or locomotives.....         | 255         | 226   | 206            | 20                    | 10,962              | 1,300       | 29    |
| Collisions, derailments, etc. (below \$ threshold) | 64          | 55  | 52             | 3                     | 5,301               | 1,152       | 9     |
| Highway-rail crossing accidents/incidents.....     | 67          | 55  | 50             | 5                     | 6,030               | 209         | 12    |
| Struck by/ran into loco/car(not at hwy-rr x-ing).  | 30          | 26  | 23             | 3                     | 3,148               | 288         | 4     |
| Servicing or maintenance of equipment.....         | 40          | 32  | 27             | 5                     | 2,177               | 120         | 8     |
| Maintenance of way and structures.....             | 71          | 57  | 52             | 5                     | 2,929               | 387         | 14    |
| Freight, baggage, express or mail.....             | 10          | 8   | 7              | 1                     | 73                  | 38          | 2     |
| Windows, doors, etc., on on-track equipment.....   | 61          | 50  | 46             | 4                     | 1,766               | 56          | 11    |
| Passenger car doors.....                           | 2           | 1   | 1              | ---                   | 16                  | ---         | 1     |
| Stumbling, slipping, falling, caught, N.O.C.....   | 78          | 60  | 58             | 2                     | 4,880               | 227         | 18    |
| Flying or falling objects, burns, etc., N.O.C....  | 77          | 49  | 48             | 1                     | 1,252               | 12          | 28    |
| Operation of on-track work equipment.....          | 23          | 19  | 18             | 1                     | 958                 | 5           | 4     |
| Assault.....                                       | 45          | 32  | 31             | 1                     | 1,363               | 28          | 13    |
| Other occurrences.....                             | 144         | 122   | 112            | 10                    | 7,466               | 702         | 22    |
| Total.....   | 1,600       | 1,307   | 1,200          | 107                   | 79,043              | 6,711       | 293   |
| <b>NONTRAIN INCIDENTS</b>                          |             |   |                |                       |                     |             |       |
| Coupling and uncoupling locomotives or cars.....   | 327         | 276   | 245            | 31                    | 15,494              | 2,102       | 51    |
| Coupling/uncoupling air/steam hose, safety chains. | 197         | 155   | 138            | 17                    | 8,573               | 616         | 42    |
| Operating or on locomotives.....                   | 347         | 279   | 254            | 25                    | 17,209              | 1,298       | 68    |
| Operating rail motorcars.....                      | 35          | 26  | 21             | 5                     | 1,174               | 209         | 9     |
| Operating hand brakes.....                         | 230         | 208   | 186            | 22                    | 14,209              | 1,258       | 22    |
| Operating switches or derails.....                 | 636         | 574   | 528            | 46                    | 37,604              | 2,791       | 62    |
| Contacting fixed objects while on locos or cars..  | 14          | 8   | 8              | ---                   | 530                 | ---         | 6     |
| Getting on or off cars or locomotives.....         | 646         | 553   | 508            | 45                    | 32,413              | 2,693       | 93    |
| Collisions, derailments, etc. (below \$ threshold) | ---         | ---   | ---            | ---                   | ---                 | ---         | ---   |
| Highway-rail crossing accidents/incidents.....     | 1           | 1   | 1              | ---                   | 37                  | 8           | ---   |
| Struck by/ran into loco/car(not at hwy-rr x-ing).  | 5           | 4   | 4              | ---                   | 185                 | ---         | 1     |
| Servicing or maintenance of equipment.....         | 2,320       | 1,651   | 1,365          | 286                   | 67,127              | 11,589      | 669   |
| Maintenance of way and structures.....             | 2,916       | 2,015   | 1,628          | 387                   | 80,492              | 14,674      | 901   |
| Freight, baggage, express or mail.....             | 111         | 80  | 79             | 1                     | 1,725               | 52          | 31    |
| Windows, doors, etc., on on-track equipment.....   | 237         | 186   | 164            | 22                    | 6,573               | 914         | 51    |
| Passenger car doors.....                           | 4           | 4   | 4              | ---                   | 78                  | ---         | ---   |
| Stumbling, slipping, falling, caught, N.O.C.....   | 1,355       | 1,161   | 1,063          | 98                    | 64,548              | 5,739       | 194   |
| Flying or falling objects, burns, etc., N.O.C....  | 208         | 122   | 116            | 6                     | 2,107               | 151         | 86    |
| Operation of on-track work equipment.....          | 60          | 47  | 31             | 16                    | 1,856               | 408         | 13    |
| Assault.....                                       | 118         | 108   | 103            | 5                     | 2,639               | 237         | 10    |
| Other occurrences.....                             | 1,234       | 859   | 783            | 76                    | 37,869              | 4,428       | 375   |
| Total.....   | 11,001      | 8,317   | 7,229          | 1,088                 | 392,442             | 49,167      | 2,684 |
| Grand total.....                                   | 12,795      | 9,790   | 8,595          | 1,195                 | 485,439             | 56,425      | 3,005 |

TABLE 56. EMPLOYEE ILLNESSES BY JOB GROUPS, 1994

| Type accident/incident                             | I*       | II        | III       | IV        | V         | VI        | Total      |
|--|----------|-----------|-----------|-----------|-----------|-----------|------------|
| <b>TRAIN ACCIDENTS</b>                             |          |           |           |           |           |           |            |
| Collisions   | ---      | ---       | ---       | ---       | ---       | ---       | ---        |
| Derailements                                       | ---      | ---       | ---       | ---       | ---       | 1         | 1          |
| Highway-rail x-ing                                 | ---      | ---       | ---       | ---       | ---       | 1         | 1          |
| Miscellaneous                                      | ---      | ---       | ---       | ---       | ---       | ---       | ---        |
| Total.....   | ---      | ---       | ---       | ---       | ---       | 2         | 2          |
| <b>TRAIN INCIDENTS</b>                             |          |           |           |           |           |           |            |
| Coupling and uncoupling locomotives or cars.....   | ---      | ---       | ---       | ---       | ---       | 2         | 2          |
| Coupling/uncoupling air/steam hose, safety chains. | ---      | ---       | ---       | ---       | ---       | ---       | ---        |
| Operating or on locomotives.....                   | ---      | ---       | ---       | ---       | ---       | 10        | 10         |
| 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) | ---      | ---       | 1         | ---       | ---       | 1         | 2          |
| Highway-rail crossing accidents/incidents.....     | ---      | ---       | ---       | ---       | ---       | 6         | 6          |
| Struck by/ran into loco/car(not at hwy-rr x-ing).  | ---      | 1         | ---       | ---       | ---       | 7         | 8          |
| Servicing or maintenance of equipment.....         | ---      | ---       | ---       | ---       | ---       | ---       | ---        |
| Maintenance of way and structures.....             | ---      | ---       | 2         | ---       | ---       | ---       | 2          |
| Freight, baggage, express or mail.....             | ---      | ---       | ---       | ---       | ---       | ---       | ---        |
| Windows, doors, etc., on on-track equipment.....   | ---      | ---       | ---       | ---       | ---       | ---       | ---        |
| Passenger car doors.....                           | ---      | ---       | ---       | ---       | ---       | ---       | ---        |
| Stumbling, slipping, falling, caught, N.O.C.....   | ---      | ---       | ---       | ---       | ---       | ---       | ---        |
| Flying or falling objects, burns, etc., N.O.C....  | ---      | ---       | ---       | ---       | ---       | ---       | ---        |
| Operation of on-track work equipment.....          | ---      | ---       | ---       | ---       | ---       | ---       | ---        |
| Assault.....                                       | ---      | ---       | ---       | ---       | ---       | 1         | 1          |
| Other occurrences.....                             | ---      | ---       | ---       | ---       | ---       | 1         | 1          |
| Total.....   | ---      | 1         | 3         | ---       | ---       | 28        | 32         |
| <b>NONTRAIN INCIDENTS</b>                          |          |           |           |           |           |           |            |
| Coupling and uncoupling locomotives or cars.....   | ---      | ---       | ---       | ---       | ---       | 3         | 3          |
| Coupling/uncoupling air/steam hose, safety chains. | ---      | ---       | ---       | ---       | ---       | 4         | 4          |
| Operating or on locomotives.....                   | ---      | ---       | ---       | ---       | ---       | 11        | 11         |
| Operating rail motorcars.....                      | ---      | ---       | ---       | ---       | ---       | ---       | ---        |
| Operating hand brakes.....                         | ---      | ---       | ---       | ---       | ---       | ---       | ---        |
| Operating switches or derails.....                 | ---      | ---       | ---       | ---       | ---       | 5         | 5          |
| Contacting fixed objects while on locos or cars..  | ---      | ---       | ---       | ---       | ---       | ---       | ---        |
| Getting on or off cars or locomotives.....         | ---      | ---       | ---       | ---       | ---       | 2         | 2          |
| Collisions, derailments, etc. (below \$ threshold) | ---      | ---       | ---       | ---       | ---       | ---       | ---        |
| Highway-rail crossing accidents/incidents.....     | ---      | ---       | ---       | ---       | ---       | ---       | ---        |
| Struck by/ran into loco/car(not at hwy-rr x-ing).  | ---      | ---       | ---       | ---       | ---       | ---       | ---        |
| Servicing or maintenance of equipment.....         | ---      | 1         | 1         | 50        | ---       | ---       | 52         |
| Maintenance of way and structures.....             | ---      | 1         | 60        | 4         | ---       | ---       | 65         |
| Freight, baggage, express or mail.....             | ---      | ---       | ---       | ---       | 1         | ---       | 1          |
| Windows, doors, etc., on on-track equipment.....   | ---      | ---       | ---       | 1         | ---       | 2         | 3          |
| Passenger car doors.....                           | ---      | ---       | ---       | ---       | ---       | ---       | ---        |
| Stumbling, slipping, falling, caught, N.O.C.....   | ---      | ---       | ---       | ---       | 1         | ---       | 1          |
| Flying or falling objects, burns, etc., N.O.C....  | ---      | ---       | 1         | ---       | 2         | 7         | 10         |
| Operation of on-track work equipment.....          | ---      | ---       | 1         | ---       | ---       | ---       | 1          |
| Assault.....                                       | ---      | 3         | ---       | ---       | ---       | ---       | 3          |
| Other occurrences.....                             | 1        | 29        | 30        | 7         | 6         | 17        | 90         |
| Total.....   | 1        | 34        | 93        | 62        | 10        | 51        | 251        |
| <b>Grand total.....</b>                            | <b>1</b> | <b>35</b> | <b>96</b> | <b>62</b> | <b>10</b> | <b>81</b> | <b>285</b> |

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

TABLE 57: SUMMARY OF NON-FATAL EMPLOYEE-ON-DUTY INJURIES DUE TO ASSAULTS, 1994

| Railroad  | <STRUCK by THROWN/PROPELLED OBJECT WHILE:> |            |         |                | <<OTHER ASSAULTS>> |                 | TOTAL CASES |
|---|--|------------|---------|----------------|--------------------|-----------------|-------------|
|   | On Locomotive                              | On Caboose | On Cars | NOT on Consist | On Consists        | NOT on Consists |             |
| <b>CLASS I RAILROADS</b>  |  |            |         |                |                    |                 |             |
| Amtrak (Nat'l Railroad Passenger Corp.)                                 | 2  | 0          | 0       | 2              | 1                  | 26              | 31          |
| Atchison, Topeka & Santa Fe Railway                                     | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Burlington Northern Railroad Co.  | 0  | 0          | 0       | 0              | 0                  | 1               | 1           |
| Chicago and North Western Railway Co.                                   | 1  | 0          | 0       | 0              | 1                  | 0               | 2           |
| Consolidated Rail Corp.   | 3  | 0          | 1       | 0              | 2                  | 8               | 14          |
| CSX Transportation  | 2  | 0          | 0       | 0              | 2                  | 1               | 5           |
| Denver & Rio Grande Western Railroad                                    | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Grand Trunk Western Railroad Inc.                                       | 0  | 0          | 0       | 0              | 1                  | 0               | 1           |
| Illinois Central Railroad Co.   | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Kansas City Southern Railway Co.  | 0  | 0          | 0       | 0              | 1                  | 1               | 2           |
| Norfolk Southern Corp.  | 4  | 0          | 0       | 0              | 2                  | 0               | 6           |
| Soo Line Railroad Co.   | 0  | 0          | 0       | 1              | 0                  | 0               | 1           |
| Southern Pacific Transportation Co.                                     | 5  | 0          | 0       | 0              | 0                  | 3               | 8           |
| St. Louis Southwestern Railway Co.                                      | 1  | 0          | 0       | 0              | 0                  | 1               | 2           |
| Union Pacific Railroad Co.  | 4  | 0          | 0       | 1              | 2                  | 4               | 11          |
| Total Class I Railroads.....  | 22   | 0          | 1       | 4              | 12                 | 45              | 84          |
| <b>GROUP II RAILROADS **</b>  |  |            |         |                |                    |                 |             |
| Alton & Southern Railroad   | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Alaska Railroad Corp.   | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Bangor & Aroostook Railroad   | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Bessemer & Lake Erie Railroad Co.                                       | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Belt Railway Co. Of Chicago   | 0  | 0          | 0       | 0              | 1                  | 0               | 1           |
| Birmingham Southern Railroad Co.  | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Chicago, Central & Pacific Railroad                                     | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Cuyahoga Valley Railway Co.   | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Delaware & Hudson Railway Co.   | 1  | 0          | 0       | 0              | 0                  | 0               | 1           |
| Dakota, Minnesota & Eastern Railroad                                    | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Duluth, Missabe & Iron Range Railway                                    | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Elgin, Joliet & Eastern Railway Co.                                     | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Florida East Coast Railway Co.  | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Fox Valley & Western Ltd.   | 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 Co.  | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Long Island Rail Road   | 0  | 0          | 0       | 0              | 0                  | 19              | 19          |
| Metro North Commuter Railroad Co.                                       | 0  | 0          | 0       | 0              | 4                  | 39              | 43          |
| Montana Rail Link   | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Northern Indiana Commuter Trans.  | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Northeast Illinois Regional Comuter                                     | 0  | 0          | 0       | 0              | 0                  | 3               | 3           |
| New Jersey Transit Rail Operations                                      | 0  | 0          | 0       | 0              | 2                  | 2               | 4           |
| Paducah & Louisville Railway Co.  | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Port Authority Trans Hudson   | 0  | 0          | 0       | 0              | 0                  | 2               | 2           |
| Port Terminal Railroad Assoc.   | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Southeastern Pennsylvania Trans.  | 0  | 0          | 1       | 0              | 1                  | 2               | 4           |
| Southern Pacific, Chicago-St. Louis                                     | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Springfield Terminal Railway Co.  | 1  | 0          | 0       | 0              | 0                  | 0               | 1           |
| Texas Mexican Railway Co.   | 0  | 0          | 0       | 0              | 0                  | 1               | 1           |
| Terminal Railroad Assoc. Of State Dock                                  | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Union Railroad Co. (Pittsburgh)   | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Wisconsin Central Ltd. (also Railway)                                   | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Wheeling & Lake Erie Railway Co.  | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| TOTAL GROUP II RAILROADS.....   | 2  | 0          | 1       | 0              | 8                  | 68              | 79          |
| <b>RECAPITULATION (INCLUDES CLASS I, GROUP II, AND OTHER RAILROADS)</b> |  |            |         |                |                    |                 |             |
| Class I Railroads   | 22   | 0          | 1       | 4              | 12                 | 45              | 84          |
| Group II Railroads **   | 2  | 0          | 1       | 0              | 8                  | 68              | 79          |
| All Other Railroads   | 0  | 0          | 0       | 0              | 0                  | 0               | 0           |
| Total All Railroads   | 24   | 0          | 2       | 4              | 20                 | 113             | 163         |

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

TABLE 58. FATALITIES IN ACCIDENTS RESULTING FROM MISCELLANEOUS CAUSES BY CAUSE, 1994

| Cause  | Total Killed | ...Employees On Duty... |       | Emp Not On Duty | Passengers | Nontrespassers | Trespassers |
|--|--------------|-------------------------|-------|-----------------|------------|----------------|-------------|
|  |              | Trainmen                | Other | Total           |            |                |             |
| <b>HIGHWAY-RAIL GRADE CROSSING ACCIDENTS</b> |              |                         |       |                 |            |                |             |
| M302 Highway user inattentiveness            | 12           | ---                     | ---   | ---             | ---        | 7              | 5           |
| M303 Hwy user misjudgement                   | 13           | ---                     | ---   | ---             | ---        | 7              | 6           |
| M304 Highway user cited for violation        | 2            | ---                     | ---   | ---             | ---        | ---            | 2           |
| M399 Other causes (highway-rail collisions)  | 5            | ---                     | ---   | ---             | ---        | 3              | 2           |
| SUBTOTAL.....                                | 32           | ---                     | ---   | ---             | ---        | 17             | 15          |
| <b>OTHER MISCELLANEOUS</b>                   |              |                         |       |                 |            |                |             |
| M505 Cause under investigation               | 3            | 3                       | ---   | 3               | ---        | ---            | ---         |
| M599 Other miscellaneous causes              | 1            | 1                       | ---   | 1               | ---        | ---            | ---         |
| SUBTOTAL.....                                | 4            | 4                       | ---   | 4               | ---        | ---            | ---         |
| GRAND TOTAL.....                             | 36           | 4                       | ---   | 4               | ---        | 17             | 15          |

TABLE 59. INJURIES IN ACCIDENTS RESULTING FROM MISCELLANEOUS CAUSES BY CAUSE, 1994

| Cause  | Total Injured | ...Employees On Duty... |       | Emp Not On Duty | Passengers | Nontrespassers | Trespassers |
|--|---------------|-------------------------|-------|-----------------|------------|----------------|-------------|
|  |               | Trainmen                | Other | Total           |            |                |             |
| <b>ENVIRONMENTAL CONDITIONS</b>                |               |                         |       |                 |            |                |             |
| M101 Snow, ice, mud, gravel, coal, etc. on trk | 2             | 2                       | ---   | 2               | ---        | ---            | ---         |
| M103 Extreme environmental - FLOOD             | 2             | 2                       | ---   | 2               | ---        | ---            | ---         |
| M199 Other extreme environmental conditions    | 2             | 2                       | ---   | 2               | ---        | ---            | ---         |
| SUBTOTAL.....                                  | 6             | 6                       | ---   | 6               | ---        | ---            | ---         |
| <b>HIGHWAY-RAIL GRADE CROSSING ACCIDENTS</b>   |               |                         |       |                 |            |                |             |
| M302 Highway user inattentiveness              | 125           | 21                      | ---   | 21              | ---        | 75             | 23          |
| M303 Hwy user misjudgement                     | 22            | 5                       | ---   | 5               | ---        | 6              | 8           |
| M304 Highway user cited for violation          | 21            | 6                       | 2     | 8               | ---        | 1              | 5           |
| M399 Other causes (highway-rail collisions)    | 26            | 14                      | ---   | 14              | ---        | ---            | 8           |
| SUBTOTAL.....                                  | 194           | 46                      | 2     | 48              | ---        | 82             | 44          |
| <b>UNUSUAL OPERATIONAL SITUATIONS</b>          |               |                         |       |                 |            |                |             |
| M404 Obj/equip on/fouling track, other         | 7             | 6                       | 1     | 7               | ---        | ---            | ---         |
| M406 Fire, other than vandalism                | 1             | ---                     | 1     | 1               | ---        | ---            | ---         |
| M408 Yard skate slid and failed to stop car    | 1             | 1                       | ---   | 1               | ---        | ---            | ---         |
| SUBTOTAL.....                                  | 9             | 7                       | 2     | 9               | ---        | ---            | ---         |
| <b>OTHER MISCELLANEOUS</b>                     |               |                         |       |                 |            |                |             |
| M503 Vandalism of track or track appliances    | 8             | 2                       | 2     | 4               | ---        | 4              | ---         |
| M504 Fail by non-rr empto control spd of ca    | 1             | 1                       | ---   | 1               | ---        | ---            | ---         |
| M505 Cause under investigation                 | 88            | 9                       | 7     | 16              | 26         | 46             | ---         |
| M599 Other miscellaneous causes                | 6             | 4                       | 2     | 6               | ---        | ---            | ---         |
| SUBTOTAL.....                                  | 103           | 16                      | 11    | 27              | 26         | 50             | ---         |
| GRAND TOTAL.....                               | 312           | 75                      | 15    | 90              | 26         | 132            | 44          |

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

TABLE 60. FATALITIES IN ACCIDENTS RESULTING FROM OPERATING PRACTICES  
(HUMAN FACTORS) BY CAUSE, 1994

| Cause                                    | Total Killed | ...Employees On Duty...<br>Trainmen Other | Total | Emp Not On Duty | Passen-<br>gers | Nontres-<br>passers | Tres-<br>passers |
|--|--------------|---|-------|-----------------|-----------------|---------------------|------------------|
| <b>MAIN TRACK AUTHORITY</b>              |              |   |       |                 |                 |                     |                  |
| H404 Fail to comply with trn order, etc. | 1            | 1   | ---   | 1               | ---             | ---                 | ---              |
| SUBTOTAL.....                            | 1            | 1   | ---   | 1               | ---             | ---                 | ---              |
| <b>MISCELLANEOUS</b>                     |              |   |       |                 |                 |                     |                  |
| H999 Other train operation/human factors | 4            | 4   | ---   | 4               | ---             | ---                 | ---              |
| SUBTOTAL.....                            | 4            | 4   | ---   | 4               | ---             | ---                 | ---              |
| GRAND TOTAL.....                         | 5            | 5   | ---   | 5               | ---             | ---                 | ---              |

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

TABLE 61. INJURIES IN ACCIDENTS RESULTING FROM OPERATING PRACTICES  
(HUMAN FACTORS) BY CAUSE, 1994

| Cause  | Total Injured | ...Employees On Duty... |       | Emp Not On Duty | Passengers | Nontrespassers | Trespassers |  |
|--|---------------|-------------------------|-------|-----------------|------------|----------------|-------------|--|
|  |               | Trainmen                | Other |                 |            |                |             |  |
| <b>BRAKES, USE OF</b>                          |               |                         |       |                 |            |                |             |  |
| H008 Bottling the Air                          | 1             | 1                       | ---   | 1               | ---        | ---            | ---         |  |
| H018 Fail to secure car hnd brk -rr emp        | 5             | 5                       | ---   | 5               | ---        | ---            | ---         |  |
| H020 Fail to apply suff. hand brakes -rr em    | 1             | 1                       | ---   | 1               | ---        | ---            | ---         |  |
| H022 Fail to secure equip - not rr emp         | 1             | 1                       | ---   | 1               | ---        | ---            | ---         |  |
| H025 Fail to ctrl car spd use hnd brk-r emp    | 1             | ---                     | 1     | 1               | ---        | ---            | ---         |  |
| H099 Use of brakes, other                      | 1             | ---                     | 1     | 1               | ---        | ---            | ---         |  |
| SUBTOTAL.....                                  | 10            | 8                       | 2     | 10              | ---        | ---            | ---         |  |
| <b>EMPLOYEE PHYSICAL CONDITION</b>             |               |                         |       |                 |            |                |             |  |
| H104 Employee asleep                           | 2             | 2                       | ---   | 2               | ---        | ---            | ---         |  |
| SUBTOTAL.....                                  | 2             | 2                       | ---   | 2               | ---        | ---            | ---         |  |
| <b>FLAGGING, FIXED, HAND AND RADIO SIGNALS</b> |               |                         |       |                 |            |                |             |  |
| H204 Fixed signal, failure to comply           | 3             | 3                       | ---   | 3               | ---        | ---            | ---         |  |
| H206 Flagging signal, failure to comply        | 4             | 4                       | ---   | 4               | ---        | ---            | ---         |  |
| H210 Radio communication, failure to comply    | 1             | 1                       | ---   | 1               | ---        | ---            | ---         |  |
| H215 Block signal, failure to comply           | 3             | 3                       | ---   | 3               | ---        | ---            | ---         |  |
| H216 Interlocking signal, failure to comply    | 1             | ---                     | ---   | ---             | ---        | 1              | ---         |  |
| H299 Other signal causes                       | 2             | 2                       | ---   | 2               | ---        | ---            | ---         |  |
| SUBTOTAL.....                                  | 14            | 13                      | ---   | 13              | ---        | 1              | ---         |  |
| <b>GENERAL SWITCHING RULES</b>                 |               |                         |       |                 |            |                |             |  |
| H305 Instruction to trn/rd crew improper       | 1             | 1                       | ---   | 1               | ---        | ---            | ---         |  |
| H306 Shoving movement, absence of man          | 1             | 1                       | ---   | 1               | ---        | ---            | ---         |  |
| H307 Shoving movement, failure to control      | 3             | 3                       | ---   | 3               | ---        | ---            | ---         |  |
| H313 Retarder, improper manual operation       | 2             | 2                       | ---   | 2               | ---        | ---            | ---         |  |
| H399 Other general switching rules             | 4             | 4                       | ---   | 4               | ---        | ---            | ---         |  |
| SUBTOTAL.....                                  | 11            | 11                      | ---   | 11              | ---        | ---            | ---         |  |
| <b>MAIN TRACK AUTHORITY</b>                    |               |                         |       |                 |            |                |             |  |
| H401 Failure to stop train in clear            | 2             | ---                     | 2     | 2               | ---        | ---            | ---         |  |
| H402 Motor car/on-trk rules, fail to comply    | 1             | ---                     | ---   | ---             | ---        | 1              | ---         |  |
| H403 Movement without authority - rr emp       | 2             | 2                       | ---   | 2               | ---        | ---            | ---         |  |
| H404 Fail to comply with trn order, etc.       | 4             | 3                       | 1     | 4               | ---        | ---            | ---         |  |
| H499 Other main track authority causes         | 16            | 12                      | ---   | 12              | ---        | 4              | ---         |  |
| SUBTOTAL.....                                  | 25            | 17                      | 3     | 20              | ---        | 4              | 1           |  |
| <b>TRAIN HANDLING/TRAIN MAKE-UP</b>            |               |                         |       |                 |            |                |             |  |
| H503 Buff/slack action excess, trn handling    | 2             | 2                       | ---   | 2               | ---        | ---            | ---         |  |
| H516 Fail to cut-in brake valves-loco          | 2             | 2                       | ---   | 2               | ---        | ---            | ---         |  |
| H599 Other train handling/makeup               | 2             | 2                       | ---   | 2               | ---        | ---            | ---         |  |
| SUBTOTAL.....                                  | 6             | 6                       | ---   | 6               | ---        | ---            | ---         |  |
| <b>SPEED</b>                                   |               |                         |       |                 |            |                |             |  |
| H603 Train inside yard limits, excess speed    | 3             | 2                       | 1     | 3               | ---        | ---            | ---         |  |
| H605 Failure to comply with restricted spee    | 14            | 13                      | 1     | 14              | ---        | ---            | ---         |  |
| H699 Speed, other                              | 2             | 2                       | ---   | 2               | ---        | ---            | ---         |  |
| SUBTOTAL.....                                  | 19            | 17                      | 2     | 19              | ---        | ---            | ---         |  |
| <b>SWITCHES, USE OF</b>                        |               |                         |       |                 |            |                |             |  |
| H702 Switch improperly lined                   | 7             | 7                       | ---   | 7               | ---        | ---            | ---         |  |
| SUBTOTAL.....                                  | 7             | 7                       | ---   | 7               | ---        | ---            | ---         |  |
| GRAND TOTAL.....                               | 94            | 81                      | 7     | 88              | ---        | 5              | 1           |  |

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



TABLE 62. FATALITIES IN ACCIDENTS RESULTING FROM MECHANICAL AND ELECTRICAL FAILURES BY CAUSE, 1994

| Cause                                   | Total Killed | ...Employees On Duty... |       | Emp Not On Duty | Passengers | Nontrespassers | Trespassers |
|---|--------------|-------------------------|-------|-----------------|------------|----------------|-------------|
|   |              | Trainmen                | Other |                 |            |                |             |
| <b>BRAKES</b>                           |              |                         |       |                 |            |                |             |
| E0HC Hnd brk link and/or connect defect | 1            | ---                     | ---   | ---             | ---        | 1              | ---         |
| SUBTOTAL.....                           | 1            | ---                     | ---   | ---             | ---        | 1              | ---         |
| <b>WHEELS</b>                           |              |                         |       |                 |            |                |             |
| E69C Other wheel defects (CAR)          | 2            | ---                     | ---   | ---             | 2          | ---            | ---         |
| SUBTOTAL.....                           | 2            | ---                     | ---   | ---             | 2          | ---            | ---         |
| <b>LOCOMOTIVES</b>                      |              |                         |       |                 |            |                |             |
| E79L Other locomotive defects           | 1            | ---                     | ---   | ---             | ---        | 1              | ---         |
| SUBTOTAL.....                           | 1            | ---                     | ---   | ---             | ---        | 1              | ---         |
| GRAND TOTAL.....                        | 4            | ---                     | ---   | ---             | 2          | 2              | ---         |

TABLE 63. INJURIES IN ACCIDENTS RESULTING FROM MECHANICAL AND ELECTRICAL FAILURES BY CAUSE, 1994

| Cause   | Total Injured | ...Employees On Duty... |       | Emp Not On Duty | Passengers | Nontrespassers | Trespassers |
|---|---------------|-------------------------|-------|-----------------|------------|----------------|-------------|
|   |               | Trainmen                | Other |                 |            |                |             |
| <b>BRAKES</b>                                     |               |                         |       |                 |            |                |             |
| E0HC Hnd brk link and/or connect defect           | 4             | ---                     | ---   | ---             | ---        | 4              | ---         |
| E03C Obstructed brake pipe                        | 3             | 3                       | ---   | ---             | ---        | ---            | ---         |
| E04C Oth brk component dmg, worn, broke, etc.     | 11            | ---                     | ---   | ---             | ---        | 11             | ---         |
| E05C Brk valve malf. (undesired emergency)        | 1             | ---                     | ---   | ---             | 1          | ---            | ---         |
| SUBTOTAL.....                                     | 19            | 3                       | ---   | ---             | 1          | 15             | ---         |
| <b>WHEELS</b>                                     |               |                         |       |                 |            |                |             |
| E69C Other wheel defects (CAR)                    | 14            | ---                     | ---   | ---             | 14         | ---            | ---         |
| SUBTOTAL.....                                     | 14            | ---                     | ---   | ---             | 14         | ---            | ---         |
| <b>LOCOMOTIVES</b>                                |               |                         |       |                 |            |                |             |
| E74L Electrically caused fire (LOCOMOTIVE)        | 1             | ---                     | 1     | 1               | ---        | ---            | ---         |
| SUBTOTAL.....                                     | 1             | ---                     | 1     | 1               | ---        | ---            | ---         |
| <b>GENERAL MECHANICAL AND ELECTRICAL FAILURES</b> |               |                         |       |                 |            |                |             |
| E99C Other mechanical/electrical failures         | 1             | ---                     | 1     | 1               | ---        | ---            | ---         |
| SUBTOTAL.....                                     | 1             | ---                     | 1     | 1               | ---        | ---            | ---         |
| GRAND TOTAL.....                                  | 35            | 3                       | 2     | 5               | 15         | 15             | ---         |

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

**TABLE 64. FATALITIES RESULTING FROM TRAIN ACCIDENTS CAUSED BY DEFECTS IN TRACK ROADBED AND STRUCTURE, 1994**

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

**TABLE 65. INJURIES IN ACCIDENTS RESULTING FROM TRACK, ROADBED, AND STRUCTURES BY CAUSE, 1994**

| Cause  | Total Injured | ...Employees On Duty...<br>Trainmen Other | Emp Not On Duty | Passen-<br>gers | Nontres-<br>passers | Tres-<br>passers |
|--|---------------|---|-----------------|-----------------|---------------------|------------------|
| <b>ROADBED DEFECTS</b>                       |               |   |                 |                 |                     |                  |
| T002 Washout/rain/slide/etc. dmg -track      | 5             | 4 1                                       | 5               | ---             | ---                 | ---              |
| SUBTOTAL.....                                | 5             | 4 1                                       | 5               | ---             | ---                 | ---              |
| <b>TRACK GEOMETRY DEFECTS</b>                |               |   |                 |                 |                     |                  |
| T102 Cross level track irreg.(not at joints) | 1             | 1 ---                                     | 1               | ---             | ---                 | ---              |
| SUBTOTAL.....                                | 1             | 1 ---                                     | 1               | ---             | ---                 | ---              |
| <b>RAIL AND JOINT BAR DEFECTS</b>            |               |   |                 |                 |                     |                  |
| T201 Bolt hole crack or break                | 1             | 1 ---                                     | 1               | ---             | ---                 | ---              |
| T299 Other rail and joint bar defects        | 3             | ---                                       | ---             | ---             | 3                   | ---              |
| SUBTOTAL.....                                | 4             | 1 ---                                     | 1               | ---             | 3                   | ---              |
| <b>FROGS, SWITCHES AND TRACK APPLIANCES</b>  |               |   |                 |                 |                     |                  |
| T306 Retarder yard skate defective           | 2             | 2 ---                                     | 2               | ---             | ---                 | ---              |
| T319 Switch pt gap(btwm swt pt & stock rail) | 2             | 2 ---                                     | 2               | ---             | ---                 | ---              |
| SUBTOTAL.....                                | 4             | 4 ---                                     | 4               | ---             | ---                 | ---              |
| <b>OTHER WAY AND STRUCTURES</b>              |               |   |                 |                 |                     |                  |
| T402 Flangeway clogged                       | 2             | 2 ---                                     | 2               | ---             | ---                 | ---              |
| SUBTOTAL.....                                | 2             | 2 ---                                     | 2               | ---             | ---                 | ---              |
| <b>SIGNAL AND COMMUNICATION FAILURES</b>     |               |   |                 |                 |                     |                  |
| S013 Other communication equipment failure   | 3             | ---                                       | ---             | ---             | 3                   | ---              |
| SUBTOTAL.....                                | 3             | ---                                       | ---             | ---             | 3                   | ---              |
| GRAND TOTAL.....                             | 19            | 12 1                                      | 13              | ---             | 6                   | ---              |

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

TABLE 66. FATALITIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1994

| Occurrence   | Total Killed | ...Employees On Duty...<br>Trainmen Other | Emp Not On Duty | Passengers | Nontrespassers | Trespassers |
|--|--------------|---|-----------------|------------|----------------|-------------|
| <b>COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS</b>                         |              |   |                 |            |                |             |
| 001T Adjusting coupler, equipment moving unexpectedly                      | 1            | 1   | ---             | 1          | ---            | ---         |
| 002T Adjusting coupler - equipment moving                                  | 1            | 1   | ---             | 1          | ---            | ---         |
| 003T Crossing over, under or between on-track equipment, equipment moving  | 1            | 1   | ---             | 1          | ---            | ---         |
| 008T Stumbled,slipped,fell,etc. on foreign obj/irreg surface-eqp moving    | 1            | 1   | ---             | 1          | ---            | ---         |
| SUBTOTAL.....  | 4            | 4   | ---             | 4          | ---            | ---         |
| <b>OPERATING OR ON LOCOMOTIVES</b>   |              |   |                 |            |                |             |
| 119T Other accidents/incidents while operating locomotives - eqp moving    | 1            | 1   | ---             | 1          | ---            | ---         |
| SUBTOTAL.....  | 1            | 1   | ---             | 1          | ---            | ---         |
| <b>OPERATING HAND BRAKES</b>   |              |   |                 |            |                |             |
| 207T Losing hold, slipping, or falling - equipment moving                  | 1            | 1   | ---             | 1          | ---            | ---         |
| SUBTOTAL.....  | 1            | 1   | ---             | 1          | ---            | ---         |
| <b>CONTACTING FIXED OBJECTS WHILE ON LOCOMOTIVES OR CARS</b>               |              |   |                 |            |                |             |
| 402T Persons on side/end of locos/cars contacting fixed objects - eqp mov  | 1            | 1   | ---             | 1          | ---            | ---         |
| SUBTOTAL.....  | 1            | 1   | ---             | 1          | ---            | ---         |
| <b>GETTING ON OR OFF CARS OR LOCOMOTIVES</b>                               |              |   |                 |            |                |             |
| 501T Slip/fell due to lost/missed hold of grabiron,handhold,etc.-eqp mov   | 1            | ---                                       | ---             | ---        | ---            | 1           |
| 507T Falling, slipping, tripping, not elsewhere classified - eqp moving    | 2            | ---                                       | ---             | ---        | 1              | 1           |
| 513T Jumping from equipment - equipment moving                             | 4            | ---                                       | ---             | ---        | 2              | 2           |
| 519T Other acc/inc while getting on or off cars or locos - equipment mov   | 3            | ---                                       | ---             | ---        | ---            | 3           |
| SUBTOTAL.....  | 10           | ---                                       | ---             | ---        | 3              | 7           |
| <b>COLLISIONS, DERAILMENTS, ETC.(\$0MG BELOW THRESHOLD)</b>                |              |   |                 |            |                |             |
| 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 | 3            | 3   | ---             | 3          | ---            | ---         |
| 603T Casualty resulting fm oth than Rail Equip A/I(not at hwy-rail X-ing)  | 9            | ---                                       | ---             | ---        | ---            | 9           |
| SUBTOTAL.....  | 13           | 3   | 1               | 4          | ---            | 9           |
| <b>RAIL-HIGHWAY CROSSING ACCIDENTS/INCIDENTS</b>                           |              |   |                 |            |                |             |
| 609T Casualty at public hwy-rail X-ing (not rptd on form 6180-54)-eqp mov  | 540          | ---                                       | ---             | ---        | ---            | 404         |
| 610T Casualty at private hwy-rail X-ing (Not rptd on form 6180-54)-eqp mov | 38           | ---                                       | ---             | ---        | ---            | 36          |
| SUBTOTAL.....  | 578          | ---                                       | ---             | ---        | ---            | 440         |

**TABLE 66. FATALITIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1994**

| Occurrence  | Total Killed | ...Employees On Duty... |       | Emp Not On Duty | Passengers | Nontrespassers | Trespassers |
|---|--------------|-------------------------|-------|-----------------|------------|----------------|-------------|
|   |              | Trainmen                | Other |                 |            |                |             |
| <b>STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT HWY-RAIL X-INGS)</b> |              |                         |       |                 |            |                |             |
| 701T Standing, walking or running on or along track - equipment moving    | 230          | 1                       | ---   | 1               | ---        | 13             | 216         |
| 702T Crossing track at private highway-rail crossing - equipment moving   | 9            | ---                     | ---   | ---             | ---        | ---            | 9           |
| 703T Crossing track not at a crossing - equipment moving                  | 37           | ---                     | ---   | ---             | ---        | 3              | 34          |
| 704T While on public thoroughfare - equipment moving                      | 5            | ---                     | ---   | ---             | ---        | ---            | 5           |
| 705T On bridges or trestles - equipment moving                            | 24           | ---                     | ---   | ---             | ---        | ---            | 24          |
| 706T Sitting or lying on track or near track, not in clear - eqp moving   | 176          | ---                     | ---   | ---             | ---        | 16             | 160         |
| 707T While working on or along track - equipment moving                   | 2            | ---                     | 2     | 2               | ---        | ---            | ---         |
| 708T Passing over, through, or under cars - equipment moving              | 9            | ---                     | ---   | ---             | ---        | ---            | 9           |
| 709T Struck by or ran into loco/car (not at hwy x-ing), misc-eqp mov      | 28           | ---                     | ---   | ---             | ---        | 4              | 24          |
| SUBTOTAL.....   | 520          | 1                       | 2     | 3               | ---        | 36             | 481         |
| <b>SERVICING OR MAINTENANCE OF EQUIPMENT</b>                              |              |                         |       |                 |            |                |             |
| 803T Striking or being struck by eqp, structures, or material-eqp mov     | 1            | ---                     | 1     | 1               | ---        | ---            | ---         |
| SUBTOTAL.....   | 1            | ---                     | 1     | 1               | ---        | ---            | ---         |
| <b>MAINTENANCE OF WAY AND STRUCTURES</b>                                  |              |                         |       |                 |            |                |             |
| 853T Striking or being struck by eqp, structures, or material-eqp mov     | 1            | ---                     | 1     | 1               | ---        | ---            | ---         |
| SUBTOTAL.....   | 1            | ---                     | 1     | 1               | ---        | ---            | ---         |
| <b>STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED</b>     |              |                         |       |                 |            |                |             |
| 932T Stumbling/slipping, etc. on parts of track in place-equipment moving | 1            | ---                     | ---   | ---             | ---        | ---            | 1           |
| 938T While on locomotive or car-equipment moving                          | 1            | 1                       | ---   | 1               | ---        | ---            | ---         |
| SUBTOTAL.....   | 2            | 1                       | ---   | 1               | ---        | ---            | 1           |
| <b>ASSAULT</b>  |              |                         |       |                 |            |                |             |
| 96GT Other unprovoked assaults to persons on moving on-track equipment    | 1            | ---                     | ---   | ---             | ---        | ---            | 1           |
| SUBTOTAL.....   | 1            | ---                     | ---   | ---             | ---        | ---            | 1           |
| <b>OTHER OCCURRENCES</b>  |              |                         |       |                 |            |                |             |
| 989T Other accidents/incidents-equipment moving                           | 16           | ---                     | ---   | ---             | ---        | 1              | 15          |
| SUBTOTAL.....   | 16           | ---                     | ---   | ---             | ---        | 1              | 15          |
| GRAND TOTAL.....  | 1,149        | 12                      | 5     | 17              | ---        | 477            | 652         |

NOTE: Contractor employees are included with nontrespassers.

TABLE 67. INJURIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1994

| Occurrence  | Total Injured | ...Employees On Duty...<br>Trainmen Other | Emp Not On Duty | Passengers | Montres-passers | Tres-passers |
|---|---------------|---|-----------------|------------|-----------------|--------------|
| <b>COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS</b>                        |               |   |                 |            |                 |              |
| 001T Adjusting coupler, equipment moving unexpectedly                     | 8             | 7   | 1               | 8          | ---             | ---          |
| 002T Adjusting coupler - equipment moving                                 | 7             | 6   | 1               | 7          | ---             | ---          |
| 004T Adjusting coupler, part of coupler fell striking person - eqp moving | 2             | ---                                       | 2               | 2          | ---             | ---          |
| 005T Use of uncoupling lever - equipment moving                           | 36            | 36  | ---             | 36         | ---             | ---          |
| 007T Striking parts of body against equipment - equipment moving          | 12            | 10  | 2               | 12         | ---             | ---          |
| 008T Stumbled,slipped,fell,etc. on foreign obj/irreg surface-eqp moving   | 31            | 31  | ---             | 31         | ---             | ---          |
| 009T Other acc/inc while coupling/uncoupling cars or locos - equip moving | 36            | 36  | ---             | 36         | ---             | ---          |
| SUBTOTAL.....   | 132           | 126                                       | 6               | 132        | ---             | ---          |
| <b>COUPLING/UNCOUPLING AIR OR STEAM HOSE, SAFETY CHAINS ETC.</b>          |               |   |                 |            |                 |              |
| 052T Uncoupl air hose,struck by hose due to sudden release of air-eqp mov | 2             | 2   | ---             | 2          | ---             | ---          |
| 055T Defective equipment - equipment moving                               | 4             | 4   | ---             | 4          | ---             | ---          |
| 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 | 4             | 4   | ---             | 4          | ---             | ---          |
| SUBTOTAL.....   | 14            | 13  | 1               | 14         | ---             | ---          |
| <b>OPERATING OR ON LOCOMOTIVES</b>  |               |   |                 |            |                 |              |
| 101T Burn or electrical shock - equipment moving                          | 6             | 5   | 1               | 6          | ---             | ---          |
| 102T Striking parts of body against equipment, moving about loco-eqp mov  | 24            | 24  | ---             | 24         | ---             | ---          |
| 103T Struck by tools or other objects falling - equipment moving          | 9             | 7   | 2               | 9          | ---             | ---          |
| 104T Stumbled, slipped, fell, stepped on foreign obj, etc., - eqp moving  | 12            | 11  | 1               | 12         | ---             | ---          |
| 105T Checking, oiling, servicing locomotive, etc. - equipment moving      | 1             | ---                                       | ---             | ---        | ---             | 1            |
| 106T Unexpected movement of locomotive, other than slack action           | 45            | 35  | 10              | 45         | ---             | ---          |
| 107T Slack action in locomotive   | 53            | 51  | 2               | 53         | ---             | ---          |
| 108T Striking parts of body against equipment due to sudden stop of loco  | 39            | 39  | ---             | 39         | ---             | ---          |
| 109T Inhalation of or contact with fumes or gases - equipment moving      | 39            | 37  | 2               | 39         | ---             | ---          |
| 110T Defective locomotive seat - equipment moving                         | 14            | 13  | ---             | 13         | 1               | ---          |
| 111T Adjusting locomotive seat - equipment moving                         | 3             | 2   | 1               | 3          | ---             | ---          |
| 112T Foreign object in eye - equipment moving                             | 74            | 74  | ---             | 74         | ---             | ---          |
| 119T Other accidents/incidents while operating locomotives - eqp moving   | 63            | 62  | ---             | 62         | 1               | ---          |
| SUBTOTAL.....   | 382           | 360                                       | 19              | 379        | 2               | 1            |
| <b>OPERATING RAIL MOTORCARS</b>   |               |   |                 |            |                 |              |
| 151T Striking parts of body against equipment - equipment moving          | 10            | 3   | 7               | 10         | ---             | ---          |
| 152T Struck by tools or other objects falling - equipment moving          | 1             | 1   | ---             | 1          | ---             | ---          |
| 159T Other accidents/incidents while operating rail motorcars - eqp mov   | 5             | 2   | 3               | 5          | ---             | ---          |
| SUBTOTAL.....   | 16            | 6   | 10              | 16         | ---             | ---          |

TABLE 67. INJURIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1994

| Occurrence  | Total Injured | ...Employees On Duty... |       | Emp Not On Duty | Passengers | Montres-passers | Tres-passers |
|---|---------------|-------------------------|-------|-----------------|------------|-----------------|--------------|
|   |               | Trainmen                | Other |                 |            |                 |              |
| <b>OPERATING HAND BRAKES</b>  |               |                         |       |                 |            |                 |              |
| 200T Manipulating hand brakes, no defects, equipment moving               | 12            | 12                      | ---   | 12              | ---        | ---             | ---          |
| 201T Defective equipment - equipment moving                               | 3             | 3                       | ---   | 3               | ---        | ---             | ---          |
| 203T Striking body due to movement of equipment                           | 3             | 3                       | ---   | 3               | ---        | ---             | ---          |
| 204T Losing hold, slipping or falling due to coupling impact              | 3             | 3                       | ---   | 3               | ---        | ---             | ---          |
| 205T Caught between parts of equipment or lading - equipment moving       | 2             | 2                       | ---   | 2               | ---        | ---             | ---          |
| 207T Losing hold, slipping, or falling - equipment moving                 | 7             | 7                       | ---   | 7               | ---        | ---             | ---          |
| 208T Caught hand or fingers in spinning brake wheel - equipment moving    | 2             | 2                       | ---   | 2               | ---        | ---             | ---          |
| 209T Other accidents/incidents while operating hand brakes - eqp moving   | 8             | 7                       | 1     | 8               | ---        | ---             | ---          |
| SUBTOTAL.....   | 40            | 39                      | 1     | 40              | ---        | ---             | ---          |
| <b>OPERATING SWITCHES OR DERAILS</b>                                      |               |                         |       |                 |            |                 |              |
| 304T Struck by moving on-track equipment                                  | 2             | 2                       | ---   | 2               | ---        | ---             | ---          |
| 309T Other acc/inc while operating switches/derails - equipment moving    | 5             | 5                       | ---   | 5               | ---        | ---             | ---          |
| SUBTOTAL.....   | 7             | 7                       | ---   | 7               | ---        | ---             | ---          |
| <b>CONTACTING FIXED OBJECTS WHILE ON LOCOMOTIVES OR CARS</b>              |               |                         |       |                 |            |                 |              |
| 401T Persons on top locos/cars contacting fixed objects - equipment mov   | 4             | 3                       | 1     | 4               | ---        | ---             | ---          |
| 402T Persons on side/end of locos/cars contacting fixed objects - eqp mov | 29            | 28                      | 1     | 29              | ---        | ---             | ---          |
| 409T Persons on loco/car coming in contact with fixed obj(other)-eqp mov  | 16            | 10                      | 2     | 12              | ---        | 4               | ---          |
| SUBTOTAL.....   | 49            | 41                      | 4     | 45              | ---        | 4               | ---          |

TABLE 67. INJURIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1994

| Occurrence   | Total Injured | ...Employees On Duty... |       | Emp Not On Duty | Passengers | Nontrespassers | Trespassers |
|--|---------------|-------------------------|-------|-----------------|------------|----------------|-------------|
|  |               | Trainmen                | Other |                 |            |                |             |
| <b>GETTING ON OR OFF CARS OR LOCOMOTIVES</b>                               |               |                         |       |                 |            |                |             |
| 501T Slip/fell due to lost/missed hold of grabiron,handhold,etc.-eqp mov   | 26            | 20                      | 1     | 21              | ---        | ---            | 5           |
| 502T Slip/fell due to losing/missing footing on step,stirrup,etc.-eqp mov  | 47            | 37                      | 1     | 38              | ---        | 5              | 4           |
| 503T Stepping or tripping on parts of track in place - equipment moving    | 5             | 5                       | ---   | 5               | ---        | ---            | ---         |
| 504T Stepping or tripping on foreign material or irreg surface - eqp mov   | 29            | 29                      | ---   | 29              | ---        | ---            | ---         |
| 505T Slipping on ice or snow on ground - equipment moving                  | 5             | 4                       | ---   | 4               | ---        | 1              | ---         |
| 506T Slipping on ice/snow on cars or locomotives - equipment moving        | 4             | 4                       | ---   | 4               | ---        | ---            | ---         |
| 507T Falling, slipping, tripping, not elsewhere classified - eqp moving    | 35            | 24                      | 4     | 28              | ---        | 1              | 6           |
| 508T Slipping/falling while boarding/alighting fm passenger eqp (moving)   | 11            | 4                       | 1     | 5               | ---        | 5              | 1           |
| 510T Striking body or falling due to sudden movement of equipment          | 18            | 15                      | ---   | 15              | ---        | 3              | ---         |
| 511T Strike/struck by eqp/structures(not bridge/trestle), or mat -eqp mov  | 11            | 6                       | 3     | 9               | ---        | 1              | 1           |
| 513T Jumping from equipment - equipment moving                             | 62            | 32                      | 1     | 33              | ---        | 18             | 2           |
| 514T Defective equipment - equipment moving                                | 10            | 10                      | ---   | 10              | ---        | ---            | ---         |
| 519T Other acc/inc while getting on or off cars or locos - equipment mov   | 65            | 53                      | 1     | 54              | ---        | 3              | 2           |
| SUBTOTAL.....  | 328           | 243                     | 12    | 255             | ---        | 35             | 7           |
| <b>COLLISIONS, DERAILMENTS, ETC.(\$DMG BELOW THRESHOLD)</b>                |               |                         |       |                 |            |                |             |
| 601T Casualty resulting fm a collision which did not satisfy \$ threshold  | 29            | 18                      | 6     | 24              | 1          | ---            | 1           |
| 602T Casualty resulting fm a derailment which did not satisfy \$ threshold | 16            | 14                      | 2     | 16              | ---        | ---            | ---         |
| 603T Casualty resulting fm oth than Rail Equip A/I(not at rail-hwy X-ing)  | 37            | 15                      | 9     | 24              | ---        | 1              | 12          |
| SUBTOTAL.....  | 82            | 47                      | 17    | 64              | 1          | 1              | 1           |
| <b>HIGHWAY-RAIL CROSSING ACCIDENTS/INCIDENTS</b>                           |               |                         |       |                 |            |                |             |
| 609T Casualty at public hwy-rail X-ing (not rptd on form 6180-54)-eqp mov  | 1,593         | 51                      | 4     | 55              | ---        | 2              | 1,255       |
| 610T Casualty at private hwy-rail X-ing (Not rptd on form 6180-54)-eqp mov | 115           | 10                      | 2     | 12              | 1          | ---            | 96          |
| SUBTOTAL.....  | 1,708         | 61                      | 6     | 67              | 1          | 2              | 1,351       |
| <b>STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT HWY-RAIL X-INGS)</b>  |               |                         |       |                 |            |                |             |
| 701T Standing, walking or running on or along track - equipment moving     | 153           | 10                      | 3     | 13              | ---        | ---            | 10          |
| 702T Crossing track at private highway-rail crossing - equipment moving    | 4             | 1                       | ---   | 1               | ---        | ---            | 3           |
| 703T Crossing track not at a crossing - equipment moving                   | 20            | 1                       | ---   | 1               | ---        | ---            | 3           |
| 704T While on public thoroughfare - equipment moving                       | 1             | ---                     | 1     | 1               | ---        | ---            | ---         |
| 705T On bridges or trestles - equipment moving                             | 23            | ---                     | ---   | ---             | ---        | ---            | 4           |
| 706T Sitting or lying on track or near track, not in clear - eqp moving    | 89            | ---                     | ---   | ---             | ---        | ---            | 6           |
| 707T While working on or along track - equipment moving                    | 16            | 6                       | 6     | 12              | ---        | ---            | 4           |
| 708T Passing over, through, or under cars - equipment moving               | 36            | ---                     | 1     | 1               | ---        | ---            | 1           |
| 709T Struck by or ran into loco/car (not at hwy x-ing), misc-eqp mov       | 32            | 1                       | ---   | 1               | ---        | ---            | 6           |
| SUBTOTAL.....  | 374           | 19                      | 11    | 30              | ---        | ---            | 37          |

TABLE 67. INJURIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1994

| Occurrence  | Total Injured | ...Employees On Duty...<br>Trainmen Other | Emp Not On Duty | Passen-<br>gers | Montres-<br>passers | Tres-<br>passers |
|---|---------------|---|-----------------|-----------------|---------------------|------------------|
| <b>SERVICING OR MAINTENANCE OF EQUIPMENT</b>                                    |               |   |                 |                 |                     |                  |
| 800T Absence of fixed signal (Blue Signal) - equipment moving                   | 1             | ---                                       | 1               | 1               | ---                 | ---              |
| 802T Crossing over, under, or between locos or cars - equipment moving          | 1             | 1   | ---             | 1               | ---                 | ---              |
| 803T Striking or being struck by eqp, structures, or material-eqp mov           | 21            | 2   | 18              | 20              | 1                   | ---              |
| 815T Moving equipment for repairs   | 17            | 1   | 16              | 17              | ---                 | ---              |
| 825T Other acc/inc while servicing or maintaining eqp-eqp moving                | 1             | ---                                       | 1               | 1               | ---                 | ---              |
| SUBTOTAL.....   | 41            | 4   | 36              | 40              | 1                   | ---              |
| <b>MAINTENANCE OF WAY AND STRUCTURES</b>  |               |   |                 |                 |                     |                  |
| 853T Striking or being struck by eqp, structures, or material-eqp mov           | 51            | ---                                       | 50              | 50              | 1                   | ---              |
| 899T Other accs/incs while maintaining way and structures - eqp moving          | 21            | 1   | 20              | 21              | ---                 | ---              |
| SUBTOTAL.....   | 72            | 1   | 70              | 71              | 1                   | ---              |
| <b>FREIGHT, BAGGAGE, EXPRESS OR MAIL</b>  |               |   |                 |                 |                     |                  |
| 901T Handling freight, baggage, express or mail-eqp moving                      | 8             | 1   | 7               | 8               | ---                 | ---              |
| 902T Struck or caught by shifted lading-eqp moving                              | 2             | 1   | ---             | 1               | ---                 | ---              |
| 904T Other acc/inc involving freight, baggage, express, or mail - eqp mov       | 1             | ---                                       | 1               | 1               | ---                 | ---              |
| SUBTOTAL.....   | 11            | 2   | 8               | 10              | ---                 | 1                |
| <b>WINDOWS, DOORS, ETC., ON ON-TRACK EQUIPMENT</b>                              |               |   |                 |                 |                     |                  |
| 907T Opening/closing hopper or gondola hatches, end or bottom doors, eqp moving | 1             | ---                                       | 1               | 1               | ---                 | ---              |
| 909T Clo/opn frt/bag car doors, exc plug type car doors, no def-eqp mov         | 3             | 1   | 2               | 3               | ---                 | ---              |
| 911T Closing or opening plug type car doors, no defects-equipment mov           | 1             | ---                                       | 1               | 1               | ---                 | ---              |
| 912T Closing or opening coach trap doors-equipment moving                       | 4             | 4   | ---             | 4               | ---                 | ---              |
| 913T Interior doors-equipment moving  | 25            | 7   | 11              | 18              | 1                   | 4                |
| 914T Opening or closing locomotive doors-equipment moving                       | 20            | 19  | 1               | 20              | ---                 | ---              |
| 915T Opening or closing locomotive windows-equipment moving                     | 3             | 3   | ---             | 3               | ---                 | ---              |
| 918T Opening and closing other windows-equipment moving                         | 4             | 1   | ---             | 1               | ---                 | 3                |
| 919T Other accidents/incidents involving windows or doors-eqp mov               | 10            | 9   | 1               | 10              | ---                 | ---              |
| SUBTOTAL.....   | 71            | 44  | 17              | 61              | 1                   | 7                |
| <b>PASSENGER CAR DOORS</b>  |               |   |                 |                 |                     |                  |
| 920T Caught by side doors while entering coach-equipment moving                 | 1             | ---                                       | 1               | 1               | ---                 | ---              |
| 921T Caught by side doors while exiting coach-equipment moving                  | 1             | ---                                       | 1               | 1               | ---                 | ---              |
| 922T Dragged by train while caught in side doors, entering coach                | 2             | ---                                       | ---             | ---             | ---                 | 2                |
| 925T Struck by side doors while exiting coach-equipment moving                  | 2             | ---                                       | ---             | ---             | ---                 | 2                |
| SUBTOTAL.....   | 6             | ---                                       | 2               | 2               | ---                 | 4                |



TABLE 67. INJURIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1994

| Occurrence  | Total Injured | ...Employees On Duty...<br>Trainmen Other | Emp Not On Duty | Passengers | Montrespassers | Trespassers |
|---|---------------|---|-----------------|------------|----------------|-------------|
| <b>STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED</b>     |               |   |                 |            |                |             |
| 930T Stumbling/slipping, etc. on snow or ice - equipment moving           | 2             | 1 1                                       | 2               | ---        | ---            | ---         |
| 931T Stumbling/slipping, etc. on foreign mat./irregular surface-eqp mov   | 20            | 15 4                                      | 19              | ---        | 1              | ---         |
| 932T Stumbling/slipping, etc. on parts of track in place-equipment moving | 2             | 1 1                                       | 2               | ---        | ---            | ---         |
| 934T Slip/fall, etc. between loco/car and other cars and struct-eqp mov   | 10            | 3 1                                       | 4               | ---        | 2              | 4           |
| 935T From bridges of trestles-equipment moving                            | 2             | ---                                       | ---             | ---        | ---            | 2           |
| 936T From structures other than bridges or trestles-equipment moving      | 2             | 1 1                                       | 2               | ---        | ---            | ---         |
| 937T Into depressions - equipment moving                                  | 1             | 1   | ---             | 1          | ---            | ---         |
| 938T While on locomotive or car-equipment moving                          | 77            | 26 14                                     | 40              | ---        | 30             | 2 5         |
| 939T Other, stumbling, slipping, falling, caught, etc. - equipment moving | 13            | 5 3                                       | 8               | ---        | 2              | 2 1         |
| SUBTOTAL.....   | 129           | 53 25                                     | 78              | ---        | 35             | 4 12        |
| <b>FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.</b>   |               |   |                 |            |                |             |
| 940T Foreign object in eye-equipment moving                               | 24            | 22 1                                      | 23              | 1          | ---            | ---         |
| 941T Struck by flying of falling object (except assaults)-eqp mov         | 32            | 16 8                                      | 24              | ---        | 7              | 1           |
| 944T Other fire or explosion-equipment moving                             | 7             | 4   | ---             | 4          | ---            | 3           |
| 945T Burned by hot or corrosive substances-equipment moving               | 14            | 7 6                                       | 13              | ---        | 1              | ---         |
| 946T Inhalation of or contact with fumes or gases-equipment moving        | 12            | 10 2                                      | 12              | ---        | ---            | ---         |
| 949T Other A/I resulting from flying/falling objs, burns, etc. - eqp mov  | 1             | ---                                       | 1               | 1          | ---            | ---         |
| SUBTOTAL.....   | 90            | 59 18                                     | 77              | 1          | 11             | 1           |
| <b>OPERATION OF ON-TRACK WORK EQUIPMENT</b>                               |               |   |                 |            |                |             |
| 950T Collision with train or car  | 2             | 1 1                                       | 2               | ---        | ---            | ---         |
| 951T Collision with other on-track work equipment                         | 6             | ---                                       | 6               | ---        | ---            | ---         |
| 952T Jumping from equipment in anticipation of a collision                | 2             | ---                                       | 2               | ---        | ---            | ---         |
| 953T Derailment that does not satisfy monetary threshold                  | 6             | ---                                       | 6               | ---        | ---            | ---         |
| 954T Getting on/off on-track work equipment - equipment moving            | 3             | 1 1                                       | 2               | ---        | ---            | 1           |
| 959T Other A/I involving on-track work equipment - equipment moving       | 5             | 1 4                                       | 5               | ---        | ---            | ---         |
| SUBTOTAL.....   | 24            | 3 20                                      | 23              | ---        | ---            | 1           |
| <b>ASSAULT</b>  |               |   |                 |            |                |             |
| 96AT Shot while on moving on-track equipment                              | 9             | 8 1                                       | 9               | ---        | ---            | ---         |
| 96CT Struck by other propelled object while on locomotive - equip moving  | 23            | 23  | ---             | 23         | ---            | ---         |
| 96DT Struck by other propelled object while on car - equip moving         | 2             | 1 1                                       | 2               | ---        | ---            | ---         |
| 96GT Other unprovoked assaults to persons on moving on-track equipment    | 12            | 6 2                                       | 8               | ---        | 2              | ---         |
| 96MT All other assaults involving moving on-track equipment               | 3             | 2 1                                       | 3               | ---        | ---            | ---         |
| SUBTOTAL.....   | 49            | 40 5                                      | 45              | ---        | 2              | ---         |

**TABLE 67. INJURIES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND  
TYPE OF PERSON, CONT., 1994**

| Occurrence   | Total<br>Injured | ...Employees On Duty... |       | Emp Not<br>On Duty | Passen-<br>gers | Nontres-<br>passers | Tres-<br>passers |
|--|------------------|-------------------------|-------|--------------------|-----------------|---------------------|------------------|
|  |                  | Trainmen                | Other |                    |                 |                     |                  |
| <b>OTHER OCCURRENCES</b>   |                  |                         |       |                    |                 |                     |                  |
| 970T Performing rerailing or other clearing<br>operations-equipment moving | 1                | ---                     | 1     | 1                  | ---             | ---                 | ---              |
| 971T Loco or car coming against car placed for loading<br>or unloading     | 1                | ---                     | ---   | ---                | ---             | 1                   | ---              |
| 972T Sudden movement of car, not otherwise classified                      | 55               | 15                      | 37    | 52                 | 2               | 1                   | ---              |
| 974T Slack action in caboose   | 4                | 4                       | ---   | 4                  | ---             | ---                 | ---              |
| 975T Slack action, other   | 35               | 28                      | 3     | 31                 | ---             | ---                 | 4                |
| 976T Emergency or severe application of air brakes due<br>to def eqp       | 2                | 1                       | 1     | 2                  | ---             | ---                 | ---              |
| 977T Emergency or severe application of air brakes not<br>due to def eqp   | 11               | 7                       | 4     | 11                 | ---             | ---                 | ---              |
| 988T Other accidents/incidents while in caboose,<br>equipment moving       | 5                | 4                       | 1     | 5                  | ---             | ---                 | ---              |
| 989T Other accidents/incidents-equipment moving                            | 86               | 26                      | 12    | 38                 | 3               | 5                   | 10               |
| SUBTOTAL.....  | 200              | 85                      | 59    | 144                | 5               | 6                   | 11               |
| GRAND TOTAL.....   | 3,825            | 1,253                   | 347   | 1,600              | 13              | 107                 | 1,415            |

NOTE: Contractor employees are included with nontrespassers.

TABLE 68. ILLNESSES IN TRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1994

| Occurrence   | Total Illness | ...Employees On Duty...<br>Trainmen Other | Emp Not On Duty | Passengers | Nontrespassers | Trespassers |
|--|---------------|---|-----------------|------------|----------------|-------------|
| <b>COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS</b>                         |               |   |                 |            |                |             |
| 005T Use of uncoupling lever - equipment moving                            | 2             | 2 ---                                     | 2               | ---        | ---            | ---         |
| SUBTOTAL.....  | 2             | 2 ---                                     | 2               | ---        | ---            | ---         |
| <b>OPERATING OR ON LOCOMOTIVES</b>   |               |   |                 |            |                |             |
| 109T Inhalation of or contact with fumes or gases - equipment moving       | 2             | 2 ---                                     | 2               | ---        | ---            | ---         |
| 119T Other accidents/incidents while operating locomotives - eqp moving    | 8             | 8 ---                                     | 8               | ---        | ---            | ---         |
| SUBTOTAL.....  | 10            | 10 ---                                    | 10              | ---        | ---            | ---         |
| <b>COLLISIONS, DERAILMENTS, ETC.(\$DMG BELOW THRESHOLD)</b>                |               |   |                 |            |                |             |
| 601T Casualty resulting fm a collision which did not satisfy \$ threshold  | 2             | 1 1                                       | 2               | ---        | ---            | ---         |
| SUBTOTAL.....  | 2             | 1 1                                       | 2               | ---        | ---            | ---         |
| <b>HIGHWAY-RAIL CROSSING ACCIDENTS/INCIDENTS</b>                           |               |   |                 |            |                |             |
| 609T Casualty at public hwy-rail X-ing (not rptd on form 6180-54)-eqp mov  | 5             | 5 ---                                     | 5               | ---        | ---            | ---         |
| 610T Casualty at private hwy-rail X-ing (Not rptd on form 6180-54)-eqp mov | 1             | 1 ---                                     | 1               | ---        | ---            | ---         |
| SUBTOTAL.....  | 6             | 6 ---                                     | 6               | ---        | ---            | ---         |
| <b>STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT HWY-RAIL X-INGS)</b>  |               |   |                 |            |                |             |
| 701T Standing, walking or running on or along track - equipment moving     | 6             | 6 ---                                     | 6               | ---        | ---            | ---         |
| 702T Crossing track at private highway-rail crossing - equipment moving    | 1             | 1 ---                                     | 1               | ---        | ---            | ---         |
| 709T Struck by or ran into loco/car (not at hwy x-ing), misc-eqp mov       | 1             | --- 1                                     | 1               | ---        | ---            | ---         |
| SUBTOTAL.....  | 8             | 7 1                                       | 8               | ---        | ---            | ---         |
| <b>MAINTENANCE OF WAY AND STRUCTURES</b>                                   |               |   |                 |            |                |             |
| 899T Other accs/incs while maintaining way and structures - eqp moving     | 2             | --- 2                                     | 2               | ---        | ---            | ---         |
| SUBTOTAL.....  | 2             | --- 2                                     | 2               | ---        | ---            | ---         |
| <b>ASSAULT</b>   |               |   |                 |            |                |             |
| 96CT Struck by other propelled object while on locomotive - equip moving   | 1             | 1 ---                                     | 1               | ---        | ---            | ---         |
| SUBTOTAL.....  | 1             | 1 ---                                     | 1               | ---        | ---            | ---         |
| <b>OTHER OCCURRENCES</b>   |               |   |                 |            |                |             |
| 989T Other accidents/incidents-equipment moving                            | 1             | 1 ---                                     | 1               | ---        | ---            | ---         |
| SUBTOTAL.....  | 1             | 1 ---                                     | 1               | ---        | ---            | ---         |
| GRAND TOTAL.....   | 32            | 28 4                                      | 32              | ---        | ---            | ---         |

NOTE: Contractor employees are included with nontrespassers.

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TABLE 69. FATALITIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1994

| Occurrence   | Total Killed | ...Employees On Duty...<br>Trainmen Other | Emp Not On Duty | Passengers | Nontrespassers | Trespassers |
|--|--------------|---|-----------------|------------|----------------|-------------|
| <b>HIGHWAY-RAIL CROSSING ACCIDENTS/INCIDENTS</b>                           |              |   |                 |            |                |             |
| 609 Casualty at public hwy-rail X-ing (not rptd on form 6180-54)-eqp std   | 4            | ---                                       | ---             | ---        | 4              | ---         |
| SUBTOTAL.....  | 4            | ---                                       | ---             | ---        | 4              | ---         |
| <b>STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT HWY-RAIL X-INGS)</b>  |              |   |                 |            |                |             |
| 701 Standing, walking or running on or along track - equipment standing    | 5            | ---                                       | ---             | ---        | 1              | 4           |
| 709 Struck by or ran into loco/car (not at hwy x-ing), misc-eqp std        | 1            | ---                                       | ---             | ---        | ---            | 1           |
| SUBTOTAL.....  | 6            | ---                                       | ---             | ---        | 1              | 5           |
| <b>MAINTENANCE OF WAY AND STRUCTURES</b>                                   |              |   |                 |            |                |             |
| 863 Loading and unloading materials  | 1            | ---                                       | 1               | 1          | ---            | ---         |
| SUBTOTAL.....  | 1            | ---                                       | 1               | 1          | ---            | ---         |
| <b>STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED</b>      |              |   |                 |            |                |             |
| 935 From bridges or trestles   | 2            | ---                                       | ---             | ---        | ---            | 2           |
| SUBTOTAL.....  | 2            | ---                                       | ---             | ---        | ---            | 2           |
| <b>FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.</b>    |              |   |                 |            |                |             |
| 941 Struck by flying of falling object (except assaults)                   | 1            | ---                                       | ---             | ---        | 1              | ---         |
| 947 Electrical injury due to contact with catenary, pantograph or 3rd rail | 1            | ---                                       | ---             | ---        | ---            | 1           |
| SUBTOTAL.....  | 2            | ---                                       | ---             | ---        | 1              | 1           |
| <b>ASSAULT</b>   |              |   |                 |            |                |             |
| 96G All other unprovoked assaults  | 1            | ---                                       | ---             | ---        | ---            | 1           |
| SUBTOTAL.....  | 1            | ---                                       | ---             | ---        | ---            | 1           |
| <b>OTHER OCCURRENCES</b>   |              |   |                 |            |                |             |
| 978 Motor vehicle acc/inc (other than rail-highway grade crossing)         | 5            | ---                                       | 2               | 2          | 2              | 1           |
| 989 Other accidents/incidents  | 11           | ---                                       | 2               | 2          | 4              | 5           |
| SUBTOTAL.....  | 16           | ---                                       | 4               | 4          | 6              | 6           |
| GRAND TOTAL.....   | 32           | ---                                       | 5               | 5          | 12             | 15          |

NOTE: Contractor employees are included with nontrespassers.

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**INTENTIONALLY**

TABLE 70. INJURIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1994

| Occurrence   | Total Injured | ...Employees On Duty...<br>Trainmen Other | Emp Not On Duty | Passengers | Montres-passers | Tres-passers |
|--|---------------|---|-----------------|------------|-----------------|--------------|
| <b>COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS</b>                         |               |   |                 |            |                 |              |
| 002 Adjusting coupler - equipment standing                                 | 73            | 72  | 1               | 73         | ---             | ---          |
| 003 Crossing over, under or between on-track equipment, equipment standing | 9             | 8   | ---             | 8          | ---             | 1            |
| 004 Adjusting coupler, part of coupler fell striking person-eqp standing   | 12            | 12  | ---             | 12         | ---             | ---          |
| 005 Use of uncoupling lever - equipment standing                           | 51            | 47  | 4               | 51         | ---             | ---          |
| 007 Striking parts of body against equipment - equipment standing          | 31            | 27  | 4               | 31         | ---             | ---          |
| 008 Stumbled, slipped, fell, stepped on foreign obj/irreg surface-eqp std  | 101           | 98  | 3               | 101        | ---             | ---          |
| 009 Other acc/inc while coupling/uncoupling cars or locos - equip std      | 52            | 46  | 5               | 51         | ---             | 1            |
| SUBTOTAL.....  | 329           | 310                                       | 17              | 327        | ---             | 2            |
| <b>COUPLING/UNCOUPLING AIR OR STEAM HOSE, SAFETY CHAINS ETC.</b>           |               |   |                 |            |                 |              |
| 051 Crossing over, under or between on-track equipment, equipment standing | 1             | 1   | ---             | 1          | ---             | ---          |
| 052 Uncoupl air hose, struck by hose due to sudden release of air-eqp std  | 19            | 16  | 3               | 19         | ---             | ---          |
| 053 Coupling air hose, stk by hose due to sudden release of air - eqp std  | 8             | 7   | 1               | 8          | ---             | ---          |
| 054 Stumbled, slipped, fell, or stepped on foreign obj, etc., eqp standing | 53            | 47  | 6               | 53         | ---             | ---          |
| 055 Defective equipment - equipment standing                               | 3             | 3   | ---             | 3          | ---             | ---          |
| 056 Burned by hot water or steam from hose - equipment standing            | 1             | 1   | ---             | 1          | ---             | ---          |
| 057 Opening or closing angle cocks - equipment standing                    | 24            | 21  | 3               | 24         | ---             | ---          |
| 059 Oth A/I while coupl/uncoupl air/steam hose or turn angl cock-eqp std   | 88            | 75  | 13              | 88         | ---             | ---          |
| SUBTOTAL.....  | 197           | 171                                       | 26              | 197        | ---             | ---          |
| <b>OPERATING OR ON LOCOMOTIVES</b>   |               |   |                 |            |                 |              |
| 101 Burn or electrical shock - equipment standing                          | 7             | 5   | 2               | 7          | ---             | ---          |
| 102 Striking parts of body against equipment, moving about loco-eqp std    | 37            | 36  | 1               | 37         | ---             | ---          |
| 103 Struck by tools or other objects falling - equipment standing          | 7             | 4   | 2               | 6          | ---             | 1            |
| 104 Stumbled, slipped, fell, stepped on foreign obj, etc., - eqp std       | 104           | 93  | 10              | 103        | 1               | ---          |
| 105 Checking, oiling, servicing locomotive, etc. - equipment standing      | 14            | 8   | 6               | 14         | ---             | ---          |
| 109 Inhalation of or contact with fumes or gases - equipment standing      | 43            | 41  | 2               | 43         | ---             | ---          |
| 110 Defective locomotive seat - equipment standing                         | 14            | 13  | 1               | 14         | ---             | ---          |
| 111 Adjusting locomotive seat - equipment standing                         | 12            | 12  | ---             | 12         | ---             | ---          |
| 112 Foreign object in eye - equipment standing                             | 37            | 33  | 4               | 37         | ---             | ---          |
| 119 Other accidents/incidents while operating locomotives - eqp standing   | 75            | 67  | 7               | 74         | 1               | ---          |
| SUBTOTAL.....  | 350           | 312                                       | 35              | 347        | 2               | 1            |
| <b>OPERATING RAIL MOTORCARS</b>  |               |   |                 |            |                 |              |
| 151 Striking parts of body against equipment - equipment standing          | 9             | 5   | 4               | 9          | ---             | ---          |
| 152 Struck by tools or other objects falling - equipment standing          | 3             | ---                                       | 3               | 3          | ---             | ---          |
| 153 Stumbled, slipped, fell or stepped on foreign obj, etc., - eqp std     | 10            | 9   | 1               | 10         | ---             | ---          |
| 155 Placing or removing rail motorcar on or off rail                       | 9             | ---                                       | 9               | 9          | ---             | ---          |
| 159 Other accidents/incidents while operating rail motorcars - eqp std     | 4             | 2   | 2               | 4          | ---             | ---          |
| SUBTOTAL.....  | 35            | 16  | 19              | 35         | ---             | ---          |

TABLE 70. INJURIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1994

| Occurrence   | Total Injured | ...Employees On Duty...<br>Trainmen Other | Emp Not On Duty | Passen-<br>gers | Nontres-<br>passers | Tres-<br>passers |
|--|---------------|---|-----------------|-----------------|---------------------|------------------|
| <b>OPERATING HAND BRAKES</b>   |               |   |                 |                 |                     |                  |
| 200 Manipulating hand brakes, no defects, equipment standing               | 122           | 117                                       | 5               | 122             | ---                 | ---              |
| 201 Defective equipment - equipment standing                               | 17            | 16  | 1               | 17              | ---                 | ---              |
| 202 Pawl slipping or accidentally knocked out of ratchet - eqp standing    | 1             | 1   | ---             | 1               | ---                 | ---              |
| 203 Striking body not due to movement of equipment                         | 5             | 3   | 2               | 5               | ---                 | ---              |
| 205 Caught between parts of equipment or lading - equipment standing       | 4             | 4   | ---             | 4               | ---                 | ---              |
| 206 Brake chains or bolts, breaking or giving way - equipment standing     | 10            | 8   | 2               | 10              | ---                 | ---              |
| 207 Losing hold, slipping, or falling - equipment standing                 | 25            | 24  | 1               | 25              | ---                 | ---              |
| 208 Caught hand or fingers in spinning brake wheel - equipment standing    | 3             | 3   | ---             | 3               | ---                 | ---              |
| 209 Other accidents/incidents while operating hand brakes - eqp standing   | 43            | 41  | 2               | 43              | ---                 | ---              |
| SUBTOTAL.....  | 230           | 217                                       | 13              | 230             | ---                 | ---              |
| <b>OPERATING SWITCHES OR DERAILS</b>                                       |               |   |                 |                 |                     |                  |
| 301 Slipped, tripped or fell due to ice or snow                            | 36            | 29  | 6               | 35              | 1                   | ---              |
| 302 Slipped, tripped or fell not due to ice or snow                        | 44            | 42  | 2               | 44              | ---                 | ---              |
| 303 Parts of body struck or caught by mechanism of switch                  | 22            | 18  | 4               | 22              | ---                 | ---              |
| 305 Lining switches, defective equipment                                   | 110           | 98  | 12              | 110             | ---                 | ---              |
| 306 Lining switches, no defects  | 286           | 257                                       | 29              | 286             | ---                 | ---              |
| 307 Manipulating derail, no defects  | 22            | 19  | 3               | 22              | ---                 | ---              |
| 308 Manipulating derail, defective equipment                               | 5             | 5   | ---             | 5               | ---                 | ---              |
| 309 Other acc/inc while operating switches/derails - equipment standing    | 112           | 104                                       | 8               | 112             | ---                 | ---              |
| SUBTOTAL.....  | 637           | 572                                       | 64              | 636             | 1                   | ---              |
| <b>CONTACTING FIXED OBJECTS WHILE ON LOCOMOTIVES OR CARS</b>               |               |   |                 |                 |                     |                  |
| 401 Persons on top locos/cars contacting fixed objects - equipment std     | 1             | ---                                       | 1               | 1               | ---                 | ---              |
| 402 Persons on side/end of locos/cars contacting fixed objects - eqp std   | 4             | 2   | 2               | 4               | ---                 | ---              |
| 409 Persons on loco/car coming in contact with fixed obj(other)-eqp std    | 10            | 5   | 4               | 9               | ---                 | 1                |
| SUBTOTAL.....  | 15            | 7   | 7               | 14              | ---                 | 1                |
| <b>GETTING ON OR OFF CARS OR LOCOMOTIVES</b>                               |               |   |                 |                 |                     |                  |
| 501 Slip/fell due to lost/missed hold of grabiron, handhold, etc.-eqp std  | 41            | 27  | 10              | 37              | ---                 | 4                |
| 502 Slip/fell due to losing/missing footing on step, stirrup, etc.-eqp std | 134           | 89  | 31              | 120             | 2                   | 10               |
| 503 Stepping or tripping on parts of track in place - equipment standing   | 18            | 14  | 4               | 18              | ---                 | ---              |
| 504 Stepping or tripping on foreign material or irreg surface - eqp std    | 148           | 116                                       | 20              | 136             | ---                 | 12               |
| 505 Slipping on ice or snow on ground - equipment standing                 | 47            | 35  | 5               | 40              | ---                 | 7                |
| 506 Slipping on ice/snow on cars or locomotives - equipment standing       | 43            | 32  | 3               | 35              | 1                   | 7                |
| 507 Falling, slipping, tripping, not elsewhere classified - eqp std        | 87            | 61  | 17              | 78              | 2                   | 5                |
| 508 Slipping/falling while boarding/alighting fm passenger eqp(standing)   | 76            | 12  | 10              | 22              | 1                   | 51               |
| 511 Strike/struck by eqp/structures(not bridge/trestle), or mat -eqp std   | 20            | 9   | 3               | 12              | ---                 | 8                |
| 513 Jumping from equipment - equipment standing                            | 12            | 2   | 6               | 8               | ---                 | 1                |
| 514 Defective equipment - equipment standing                               | 9             | 9   | ---             | 9               | ---                 | ---              |
| 519 Other acc/inc while getting on or off cars or locos - equipment std    | 141           | 106                                       | 25              | 131             | ---                 | 8                |
| SUBTOTAL.....  | 776           | 512                                       | 134             | 646             | 6                   | 113              |



TABLE 70. INJURIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1994

| Occurrence  | Total Injured | ...Employees On Duty... Trainmen | Other | Total | Emp Not On Duty | Passengers | Nontrain-passers | Trespassers |
|---|---------------|----------------------------------|-------|-------|-----------------|------------|------------------|-------------|
| <b>HIGHWAY-RAIL CROSSING ACCIDENTS/INCIDENTS</b>                          |               |                                  |       |       |                 |            |                  |             |
| 609 Casualty at public hwy-rail X-ing (not rptd on form 6180-54)-eqp std  | 49            | ---                              | ---   | ---   | ---             | ---        | 44               | 5           |
| 610 Casualty at private hwy-rail X-ing (Not rptd on form 6180-54)-eqp std | 1             | 1                                | ---   | 1     | ---             | ---        | ---              | ---         |
| SUBTOTAL.....   | 50            | 1                                | ---   | 1     | ---             | ---        | 44               | 5           |
| <b>STRUCK BY OR RAN INTO LOCOMOTIVES OR CARS (NOT AT HWY-RAIL X-INGS)</b> |               |                                  |       |       |                 |            |                  |             |
| 701 Standing, walking or running on or along track - equipment standing   | 8             | 2                                | 1     | 3     | ---             | ---        | 2                | 3           |
| 703 Crossing track not at a crossing - equipment standing                 | 1             | ---                              | ---   | ---   | ---             | ---        | 1                | ---         |
| 708 Passing over, through, or under cars - equipment standing             | 6             | 1                                | ---   | 1     | ---             | ---        | 3                | 2           |
| 709 Struck by or ran into loco/car (not at hwy x-ing), misc-eqp std       | 3             | ---                              | 1     | 1     | ---             | ---        | ---              | 2           |
| SUBTOTAL.....   | 18            | 3                                | 2     | 5     | ---             | ---        | 6                | 7           |
| <b>SERVICING OR MAINTENANCE OF EQUIPMENT</b>                              |               |                                  |       |       |                 |            |                  |             |
| 802 Crossing over, under, or between locos or cars - equipment standing   | 26            | ---                              | 25    | 25    | ---             | ---        | 1                | ---         |
| 803 Striking or being struck by eqp, structures, or material-eqp std      | 186           | 3                                | 182   | 185   | 1               | ---        | ---              | ---         |
| 804 Use of hand tools   | 274           | 10                               | 262   | 272   | 1               | ---        | 1                | ---         |
| 805 Use of portable power tools   | 58            | 1                                | 56    | 57    | ---             | ---        | 1                | ---         |
| 806 Use of welding equipment  | 24            | ---                              | 24    | 24    | ---             | ---        | ---              | ---         |
| 807 Use of oxygen-acetylene, natural gas cutting equipment                | 27            | ---                              | 27    | 27    | ---             | ---        | ---              | ---         |
| 808 Use of grinding equipment   | 15            | ---                              | 14    | 14    | ---             | ---        | 1                | ---         |
| 809 Use of scaffolds, ladders, etc.                                       | 29            | ---                              | 27    | 27    | ---             | ---        | 2                | ---         |
| 81A Lifting parts to install while making repairs                         | 71            | 2                                | 68    | 70    | ---             | ---        | 1                | ---         |
| 810 Use of cranes, hoists, derricks, piledrivers, etc.                    | 31            | ---                              | 28    | 28    | ---             | ---        | 3                | ---         |
| 811 Use of lift trucks and other portable material handling eqp           | 48            | 1                                | 47    | 48    | ---             | ---        | ---              | ---         |
| 812 Use of shop machinery not elsewhere classified                        | 32            | ---                              | 32    | 32    | ---             | ---        | ---              | ---         |
| 813 Loading and unloading materials                                       | 103           | 5                                | 96    | 101   | 1               | ---        | 1                | ---         |
| 814 Handling material by hand   | 287           | 6                                | 279   | 285   | 1               | ---        | 1                | ---         |
| 816 Inhalation of or contact with fumes or gases                          | 22            | 1                                | 21    | 22    | ---             | ---        | ---              | ---         |
| 817 Foreign object in eye, using eye protection                           | 125           | 4                                | 119   | 123   | 1               | ---        | 1                | ---         |
| 818 Foreign object in eye, not using eye protection                       | 32            | 2                                | 30    | 32    | ---             | ---        | ---              | ---         |
| 819 Struck by flying or falling object                                    | 113           | 5                                | 107   | 112   | ---             | ---        | 1                | ---         |
| 820 Electrical flash, shock, or burn                                      | 33            | 1                                | 32    | 33    | ---             | ---        | ---              | ---         |
| 822 Other fire or explosion   | 5             | ---                              | 5     | 5     | ---             | ---        | ---              | ---         |
| 823 Burned or irritated by hot, corrosive, or toxic substances            | 26            | ---                              | 26    | 26    | ---             | ---        | ---              | ---         |
| 824 Stumbling, slipping, falling, caught, not elsewhere classified        | 414           | 5                                | 397   | 402   | 11              | ---        | 1                | ---         |
| 825 Other acc/inc while servicing or maintaining eqp-eqp std              | 376           | 5                                | 365   | 370   | 3               | ---        | 3                | ---         |
| SUBTOTAL.....   | 2,357         | 51                               | 2,269 | 2,320 | 19              | ---        | 18               | ---         |

TABLE 70. INJURIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1994

| Occurrence   | Total Injured | ...Employees On Duty... |       | Emp Not On Duty | Passengers | Montrespassers | Trespassers |
|--|---------------|-------------------------|-------|-----------------|------------|----------------|-------------|
|  |               | Trainmen                | Other |                 |            |                |             |
| <b>MAINTENANCE OF WAY AND STRUCTURES</b>   |               |                         |       |                 |            |                |             |
| 852 Crossing over, under, or between locos or cars-eqp std                           | 4             | ---                     | 4     | 4               | ---        | ---            | ---         |
| 853 Striking or being struck by eqp, structures, or material-eqp std                 | 163           | ---                     | 157   | 157             | 1          | ---            | 5           |
| 854 Use of hand tools  | 401           | ---                     | 397   | 397             | 1          | ---            | 3           |
| 855 Use of portable power tools  | 127           | ---                     | 125   | 125             | ---        | ---            | 2           |
| 856 Use of welding equipment   | 19            | ---                     | 19    | 19              | ---        | ---            | ---         |
| 857 Use of oxygen-acytelene, natural gas cutting equipment                           | 9             | ---                     | 9     | 9               | ---        | ---            | ---         |
| 858 Use of grinding equipment  | 29            | ---                     | 29    | 29              | ---        | ---            | ---         |
| 859 Use of scaffolds, ladders, etc.  | 24            | ---                     | 22    | 22              | ---        | ---            | 2           |
| 860 Use of cranes, hoists, derricks, piledrivers, etc.                               | 37            | ---                     | 37    | 37              | ---        | ---            | ---         |
| 861 Use of lift trucks and other portable material handling eqp                      | 37            | ---                     | 36    | 36              | ---        | ---            | 1           |
| 862 Use of shop machinery not elsewhere classified                                   | 16            | ---                     | 16    | 16              | ---        | ---            | ---         |
| 863 Loading and unloading materials  | 213           | 1                       | 210   | 211             | ---        | ---            | 2           |
| 864 Handling material by hand  | 380           | 10                      | 365   | 375             | ---        | ---            | 5           |
| 866 Inhalation of or contact with fumes or gases                                     | 16            | 2                       | 12    | 14              | 2          | ---            | ---         |
| 867 Foreign object in eye, using eye protection                                      | 72            | ---                     | 71    | 71              | 1          | ---            | ---         |
| 868 Foreign object in eye, not using eye protection                                  | 24            | ---                     | 22    | 22              | ---        | ---            | 2           |
| 869 Struck by flying or falling object   | 120           | ---                     | 116   | 116             | ---        | ---            | 4           |
| 870 Electrical flash, shock, or burn   | 20            | 1                       | 19    | 20              | ---        | ---            | ---         |
| 871 Fire or explosion of fusees or torpedoes   | 1             | 1                       | ---   | 1               | ---        | ---            | ---         |
| 872 Other fire or explosion  | 10            | ---                     | 10    | 10              | ---        | ---            | ---         |
| 873 Burned or irritated by hot, corrosive or toxic substances                        | 16            | ---                     | 15    | 15              | 1          | ---            | ---         |
| 874 Stumbling, slipping, falling, caught, not elsewhere classified                   | 401           | 2                       | 386   | 388             | 9          | ---            | 4           |
| 875 Use of maintenance of way equipment not elsewhere classified                     | 79            | ---                     | 78    | 78              | ---        | ---            | 1           |
| 876 Inserting or removing ties, switch timbers and tie plates by use of hand tools   | 93            | ---                     | 92    | 92              | ---        | ---            | 1           |
| 877 Insert/remove ties, switch timbers and tie plates using portable power tools     | 17            | ---                     | 17    | 17              | ---        | ---            | ---         |
| 878 Loading/unloading ties, switch timbers, tie plates and fastenings                | 70            | ---                     | 68    | 68              | ---        | ---            | 2           |
| 879 Handling rail by use of power tools  | 24            | ---                     | 24    | 24              | ---        | ---            | ---         |
| 880 Handling rail by use of hand tools   | 34            | ---                     | 34    | 34              | ---        | ---            | ---         |
| 890 Handling/inserting/removing rail anchors (includes being struck by anchors)      | 34            | ---                     | 34    | 34              | ---        | ---            | ---         |
| 891 Handling/inserting/removing track spikes (includes being struck by flying spike) | 147           | ---                     | 145   | 145             | ---        | ---            | 2           |
| 892 Working on or about sgnl or comm. poles, sgnl masts,sgnl cantilevers or catenary | 57            | 1                       | 56    | 57              | ---        | ---            | ---         |
| 893 Servicing or repairing MOW equipment at work site                                | 67            | ---                     | 67    | 67              | ---        | ---            | ---         |
| 899 Other accs/incs while maintaining way and structures - eqp standing              | 211           | ---                     | 206   | 206             | 1          | ---            | 3           |
| SUBTOTAL.....  | 2,972         | 18                      | 2,898 | 2,916           | 16         | ---            | 39          |
| <b>FREIGHT, BAGGAGE, EXPRESS OR MAIL</b>   |               |                         |       |                 |            |                |             |
| 901 Handling freight, baggage, express or mail                                       | 86            | 13                      | 72    | 85              | ---        | 1              | ---         |
| 902 Struck or caught by shifted lading   | 2             | ---                     | 2     | 2               | ---        | ---            | ---         |
| 903 Tripping over, or struck by falling baggage in passenger car-eqp std             | 4             | 2                       | 2     | 4               | ---        | ---            | ---         |
| 904 Other accident/incident involving freight, baggage, express, or mail             | 20            | 5                       | 15    | 20              | ---        | ---            | ---         |
| SUBTOTAL.....  | 112           | 20                      | 91    | 111             | ---        | 1              | ---         |

TABLE 70. INJURIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1994

| Occurrence   | Total Injured | ...Employees On Duty...<br>Trainmen Other | Emp Not On Duty | Passengers | Nontravellers | Trespassers |
|--|---------------|---|-----------------|------------|---------------|-------------|
| <b>WINDOWS, DOORS, ETC., ON ON-TRACK EQUIPMENT</b>                               |               |   |                 |            |               |             |
| 907 Opening/closing hopper or gondola hatches, end or bottom doors, eqp standing | 15            | ---                                       | 13              | 13         | ---           | 2           |
| 908 Clo/opn frt/bag car doors, exc plug type car doors, def eqp-eqp std          | 11            | 5   | 3               | 8          | ---           | 2           |
| 909 Clo/opn frt/bag car doors, exc plug type car doors, no def-eqp std           | 28            | 4   | 24              | 28         | ---           | ---         |
| 910 Closing or opening plug type car doors, defective equipment-eqp std          | 3             | ---                                       | 3               | 3          | ---           | ---         |
| 911 Closing or opening plug type car doors, no defects-equipment std             | 15            | 2   | 13              | 15         | ---           | ---         |
| 912 Closing or opening coach trap doors-equipment standing                       | 36            | 27  | 4               | 31         | ---           | 5           |
| 913 Interior doors-equipment standing  | 26            | 14  | 9               | 23         | ---           | 3           |
| 914 Opening or closing locomotive doors-equipment standing                       | 43            | 31  | 12              | 43         | ---           | ---         |
| 915 Opening or closing locomotive windows-equipment standing                     | 10            | 9   | 1               | 10         | ---           | ---         |
| 916 Opening or closing caboose doors-equipment standing                          | 2             | ---                                       | 2               | 2          | ---           | ---         |
| 918 Opening and closing other windows  | 3             | 2   | 1               | 3          | ---           | ---         |
| 919 Other accidents/incidents involving windows or doors                         | 73            | 38  | 20              | 58         | 2             | 10          |
| SUBTOTAL.....  | 265           | 132                                       | 105             | 237        | 2             | 18          |
| <b>PASSENGER CAR DOORS</b>   |               |   |                 |            |               |             |
| 920 Caught by side doors while entering coach-equipment standing                 | 3             | ---                                       | 1               | 1          | ---           | 2           |
| 921 Caught by side doors while exiting coach-equipment standing                  | 4             | 1   | ---             | 1          | ---           | 3           |
| 924 Struck by side doors while entering coach-equipment standing                 | 2             | ---                                       | ---             | ---        | ---           | 2           |
| 925 Struck by side doors while exiting coach-equipment standing                  | 5             | 2   | ---             | 2          | ---           | 3           |
| SUBTOTAL.....  | 14            | 3   | 1               | 4          | ---           | 10          |
| <b>STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED</b>            |               |   |                 |            |               |             |
| 930 Stumbling/slipping, etc. on snow or ice                                      | 556           | 173                                       | 233             | 406        | 61            | 3           |
| 931 Stumbling/slipping, etc. on foreign material or irregular surface            | 467           | 266                                       | 133             | 399        | 29            | 2           |
| 932 Stumbling/slipping, etc. on parts of track in place                          | 136           | 56  | 63              | 119        | 3             | 6           |
| 933 Stumbling/slipping, etc. on stairways, ramps or platforms                    | 362           | 39  | 88              | 127        | 26            | 25          |
| 934 Slip/fall, etc. between loco/car and other cars and struct-eqp std           | 48            | 9   | 14              | 23         | ---           | 23          |
| 935 From bridges or trestles   | 22            | 2   | 9               | 11         | 1             | ---         |
| 936 From structures other than bridges or trestles                               | 25            | 3   | 19              | 22         | 1             | ---         |
| 937 Into depressions   | 79            | 40  | 34              | 74         | 2             | ---         |
| 938 While on locomotive or car-equipment standing                                | 86            | 21  | 33              | 54         | ---           | 12          |
| 939 Other, stumbling, slipping, falling, caught, etc.                            | 166           | 48  | 72              | 120        | 13            | 2           |
| SUBTOTAL.....  | 1,947         | 657                                       | 698             | 1,355      | 136           | 73          |

TABLE 70. INJURIES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1994

| Occurrence   | Total Injured | ...Employees On Duty...<br>Trainmen Other | Emp Not On Duty | Passengers | Nontrespassers | Trespassers |     |     |
|--|---------------|---|-----------------|------------|----------------|-------------|-----|-----|
| <b>FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.</b>              |               |   |                 |            |                |             |     |     |
| 940 Foreign object in eye  | 84            | 50  | 28              | 78         | 4              | ---         | 2   | --- |
| 941 Struck by flying of falling object (except assaults)                             | 86            | 11  | 44              | 55         | 2              | 1           | 28  | --- |
| 942 Electrical flash, shock, or burn   | 9             | 1   | 4               | 5          | ---            | ---         | 2   | 2   |
| 943 Fire or explosion of fusees or torpedoes   | 1             | 1   | ---             | 1          | ---            | ---         | --- | --- |
| 944 Other fire or explosion  | 5             | 2   | 3               | 5          | ---            | ---         | --- | --- |
| 945 Burned by hot or corrosive substances  | 11            | 4   | 7               | 11         | ---            | ---         | --- | --- |
| 946 Inhalation of or contact with fumes or gases                                     | 36            | 21  | 15              | 36         | ---            | ---         | --- | --- |
| 947 Electrical injury due to contact with catenary, pantograph or 3rd rail           | 5             | ---                                       | 1               | 1          | ---            | ---         | 1   | 3   |
| 949 Other acc/inc resulting from flying/falling objs, burns, etc.                    | 18            | 7   | 9               | 16         | ---            | 1           | 1   | --- |
| SUBTOTAL.....  | 255           | 97  | 111             | 208        | 6              | 2           | 34  | 5   |
| <b>OPERATION OF ON-TRACK WORK EQUIPMENT</b>  |               |   |                 |            |                |             |     |     |
| 954 Getting on/off on-track work equipment - equipment standing                      | 36            | 1   | 35              | 36         | ---            | ---         | --- | --- |
| 959 Other A/I involving on-track work equipment - equipment standing                 | 25            | 1   | 23              | 24         | ---            | ---         | 1   | --- |
| SUBTOTAL.....  | 61            | 2   | 58              | 60         | ---            | ---         | 1   | --- |
| <b>ASSAULT</b>   |               |   |                 |            |                |             |     |     |
| 96B Shooting incidents not involving persons on on-track equipment                   | 4             | ---                                       | 2               | 2          | 2              | ---         | --- | --- |
| 96C Struck by other propelled object while on locomotive - equip standing            | 1             | 1   | ---             | 1          | ---            | ---         | --- | --- |
| 96F Struck by other propelled object, not on on-track equipment                      | 5             | 2   | 2               | 4          | ---            | ---         | 1   | --- |
| 96G All other unprovoked assaults  | 54            | 24  | 19              | 43         | 7              | 1           | 3   | --- |
| 96K Shooting incidents that did not involve persons on on-track equipment            | 1             | ---                                       | ---             | ---        | ---            | ---         | 1   | --- |
| 96L Other assaults connected with the protection of RR property - eqp standing       | 17            | ---                                       | 16              | 16         | ---            | ---         | 1   | --- |
| 96M All other assaults not involving moving on-track equipment                       | 57            | 7   | 43              | 50         | 2              | 2           | 3   | --- |
| 96N Injuries sustained by ther perpetrator of an assault                             | 2             | ---                                       | 2               | 2          | ---            | ---         | --- | --- |
| SUBTOTAL.....  | 141           | 34  | 84              | 118        | 11             | 3           | 9   | --- |
| <b>OTHER OCCURRENCES</b>   |               |   |                 |            |                |             |     |     |
| 970 Performing rerailing or other clearing operations                                | 24            | 2   | 21              | 23         | ---            | ---         | 1   | --- |
| 978 Motor vehicle acc/inc (other than highway-rail grade crossing)                   | 484           | 145                                       | 265             | 410        | 22             | 1           | 43  | 8   |
| 979 Servicing and maintenance of highway vehicles                                    | 9             | ---                                       | 9               | 9          | ---            | ---         | --- | --- |
| 980 Horseplay  | 9             | 1   | 3               | 4          | 2              | 1           | 2   | --- |
| 981 Animal bites, including snake bites  | 8             | 2   | 5               | 7          | 1              | ---         | --- | --- |
| 982 Insect bites   | 112           | 33  | 67              | 100        | 11             | ---         | 1   | --- |
| 983 Incidents occurring in office setting involving clerical, staff, etc., personnel | 269           | 6   | 251             | 257        | 10             | ---         | 2   | --- |
| 984 Contact with poisonous plants  | 10            | 2   | 8               | 10         | ---            | ---         | --- | --- |
| 985 Stepping on nails or other sharp objects   | 24            | 7   | 15              | 22         | 1              | ---         | --- | 1   |
| 988 Other accidents/incidents while in caboose, equipment standing                   | 3             | 1   | 2               | 3          | ---            | ---         | --- | --- |
| 989 Other accidents/incidents  | 530           | 168                                       | 221             | 389        | 20             | 15          | 93  | 13  |
| SUBTOTAL.....  | 1,482         | 367                                       | 867             | 1,234      | 67             | 17          | 142 | 22  |
| GRAND TOTAL.....   | 12,243        | 3,502                                     | 7,499           | 11,001     | 266            | 238         | 684 | 54  |

NOTE: Contractor employees are included with nontrespassers.

TABLE 71. ILLNESSES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, 1994

| Occurrence   | Total Illness | ...Employees On Duty...<br>Trainmen Other | Emp Not On Duty | Passengers | Montrespassers | Trespassers |
|--|---------------|---|-----------------|------------|----------------|-------------|
| <b>COUPLING AND UNCOUPLING LOCOMOTIVES OR CARS</b>                       |               |   |                 |            |                |             |
| 009 Other acc/inc while coupling/uncoupling cars or locos - equip std    | 3             | 3   | ---             | ---        | ---            | ---         |
| SUBTOTAL.....  | 3             | 3   | ---             | ---        | ---            | ---         |
| <b>COUPLING/UNCOUPLING AIR OR STEAM HOSE, SAFETY CHAINS ETC.</b>         |               |   |                 |            |                |             |
| 057 Opening or closing angle cocks - equipment standing                  | 1             | 1   | ---             | ---        | ---            | ---         |
| 059 Oth A/I while coupl/uncoupl air/steam hose or turn angl cock-eqp std | 3             | 3   | ---             | ---        | ---            | ---         |
| SUBTOTAL.....  | 4             | 4   | ---             | ---        | ---            | ---         |
| <b>OPERATING OR ON LOCOMOTIVES</b>                                       |               |   |                 |            |                |             |
| 102 Striking parts of body against equipment, moving about loco-eqp std  | 1             | 1   | ---             | ---        | ---            | ---         |
| 109 Inhalation of or contact with fumes or gases - equipment standing    | 6             | 6   | ---             | ---        | ---            | ---         |
| 119 Other accidents/incidents while operating locomotives - eqp standing | 4             | 4   | ---             | ---        | ---            | ---         |
| SUBTOTAL.....  | 11            | 11  | ---             | ---        | ---            | ---         |
| <b>OPERATING SWITCHES OR DERAILS</b>                                     |               |   |                 |            |                |             |
| 305 Lining switches, defective equipment                                 | 1             | 1   | ---             | ---        | ---            | ---         |
| 306 Lining switches, no defects  | 3             | 3   | ---             | ---        | ---            | ---         |
| 309 Other acc/inc while operating switches/derails - equipment standing  | 1             | 1   | ---             | ---        | ---            | ---         |
| SUBTOTAL.....  | 5             | 5   | ---             | ---        | ---            | ---         |
| <b>GETTING ON OR OFF CARS OR LOCOMOTIVES</b>                             |               |   |                 |            |                |             |
| 519 Other acc/inc while getting on or off cars or locos - equipment std  | 2             | 2   | ---             | ---        | ---            | ---         |
| SUBTOTAL.....  | 2             | 2   | ---             | ---        | ---            | ---         |
| <b>SERVICING OR MAINTENANCE OF EQUIPMENT</b>                             |               |   |                 |            |                |             |
| 804 Use of hand tools  | 10            | ---                                       | 10              | 10         | ---            | ---         |
| 805 Use of portable power tools  | 10            | ---                                       | 10              | 10         | ---            | ---         |
| 806 Use of welding equipment   | 1             | ---                                       | 1               | 1          | ---            | ---         |
| 81A Lifting parts to install while making repairs                        | 1             | ---                                       | 1               | 1          | ---            | ---         |
| 810 Use of cranes, hoists, derricks, piledrivers, etc.                   | 1             | ---                                       | 1               | 1          | ---            | ---         |
| 814 Handling material by hand  | 3             | ---                                       | 3               | 3          | ---            | ---         |
| 816 Inhalation of or contact with fumes or gases                         | 3             | ---                                       | 3               | 3          | ---            | ---         |
| 817 Foreign object in eye, using eye protection                          | 1             | ---                                       | 1               | 1          | ---            | ---         |
| 820 Electrical flash, shock, or burn                                     | 1             | ---                                       | 1               | 1          | ---            | ---         |
| 823 Burned or irritated by hot, corrosive, or toxic substances           | 2             | ---                                       | 2               | 2          | ---            | ---         |
| 825 Other acc/inc while servicing or maintaining eqp-eqp std             | 19            | ---                                       | 19              | 19         | ---            | ---         |
| SUBTOTAL.....  | 52            | ---                                       | 52              | 52         | ---            | ---         |

TABLE 71. ILLNESSES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1994

| Occurrence   | Total Illness | ...Employees On Duty...<br>Trainmen Other | Total | Emp Not On Duty | Passengers | Montrespassers | Trespassers |
|--|---------------|---|-------|-----------------|------------|----------------|-------------|
| <b>MAINTENANCE OF WAY AND STRUCTURES</b>   |               |   |       |                 |            |                |             |
| 854 Use of hand tools  | 10            | ---                                       | 10    | 10              | ---        | ---            | ---         |
| 855 Use of portable power tools  | 5             | ---                                       | 5     | 5               | ---        | ---            | ---         |
| 857 Use of oxygen-acetylene, natural gas cutting equipment                           | 4             | ---                                       | 4     | 4               | ---        | ---            | ---         |
| 863 Loading and unloading materials  | 1             | ---                                       | 1     | 1               | ---        | ---            | ---         |
| 864 Handling material by hand  | 5             | ---                                       | 5     | 5               | ---        | ---            | ---         |
| 866 Inhalation of or contact with fumes or gases                                     | 6             | ---                                       | 6     | 6               | ---        | ---            | ---         |
| 873 Burned or irritated by hot, corrosive or toxic substances                        | 4             | ---                                       | 4     | 4               | ---        | ---            | ---         |
| 875 Use of maintenance of way equipment not elsewhere classified                     | 5             | ---                                       | 5     | 5               | ---        | ---            | ---         |
| 890 Handling/inserting/removing rail anchors (includes being struck by anchors)      | 1             | ---                                       | 1     | 1               | ---        | ---            | ---         |
| 891 Handling/inserting/removing track spikes (includes being struck by flying spike) | 2             | ---                                       | 2     | 2               | ---        | ---            | ---         |
| 893 Servicing or repairing MOW equipment at work site                                | 2             | ---                                       | 2     | 2               | ---        | ---            | ---         |
| 899 Other accs/incs while maintaining way and structures - eqp standing              | 20            | ---                                       | 20    | 20              | ---        | ---            | ---         |
| SUBTOTAL.....  | 65            | ---                                       | 65    | 65              | ---        | ---            | ---         |
| <b>FREIGHT, BAGGAGE, EXPRESS OR MAIL</b>   |               |   |       |                 |            |                |             |
| 901 Handling freight, baggage, express or mail                                       | 1             | ---                                       | 1     | 1               | ---        | ---            | ---         |
| SUBTOTAL.....  | 1             | ---                                       | 1     | 1               | ---        | ---            | ---         |
| <b>WINDOWS, DOORS, ETC., ON ON-TRACK EQUIPMENT</b>                                   |               |   |       |                 |            |                |             |
| 907 Opening/closing hopper or gondola hatches, end or bottom doors, eqp standing     | 1             | 1   | ---   | 1               | ---        | ---            | ---         |
| 909 Clo/opn frt/bag car doors, exc plug type car doors, no def-eqp std               | 1             | ---                                       | 1     | 1               | ---        | ---            | ---         |
| 913 Interior doors-equipment standing  | 1             | 1   | ---   | 1               | ---        | ---            | ---         |
| SUBTOTAL.....  | 3             | 2   | 1     | 3               | ---        | ---            | ---         |
| <b>STUMBLING, SLIPPING, FALLING, CAUGHT, NOT ELSEWHERE CLASSIFIED</b>                |               |   |       |                 |            |                |             |
| 939 Other, stumbling, slipping, falling, caught, etc.                                | 1             | ---                                       | 1     | 1               | ---        | ---            | ---         |
| SUBTOTAL.....  | 1             | ---                                       | 1     | 1               | ---        | ---            | ---         |
| <b>FLYING OR FALLING OBJECTS, BURNS AND SIMILAR OCCURRENCES, N.O.C.</b>              |               |   |       |                 |            |                |             |
| 944 Other fire or explosion  | 1             | 1   | ---   | 1               | ---        | ---            | ---         |
| 945 Burned by hot or corrosive substances  | 1             | ---                                       | 1     | 1               | ---        | ---            | ---         |
| 946 Inhalation of or contact with fumes or gases                                     | 6             | 6   | ---   | 6               | ---        | ---            | ---         |
| 949 Other acc/inc resulting from flying/falling objs, burns, etc.                    | 2             | ---                                       | 2     | 2               | ---        | ---            | ---         |
| SUBTOTAL.....  | 10            | 7   | 3     | 10              | ---        | ---            | ---         |

TABLE 71. ILLNESSES IN NONTRAIN INCIDENTS BY SPECIFIC OCCURRENCES AND TYPE OF PERSON, CONT., 1994

| Occurrence                                  |  | Total Illness | ...Employees On Duty... |       | Emp Not On Duty | Passengers | Nontrespassers | Trespassers |
|---|--|---------------|-------------------------|-------|-----------------|------------|----------------|-------------|
|   |  |               | Trainmen                | Other | Total           |            |                |             |
| <b>OPERATION OF ON-TRACK WORK EQUIPMENT</b> |  |               |                         |       |                 |            |                |             |
| 959   | Other A/I involving on-track work equipment - equipment standing                 | 1             | ---                     | 1     | 1               | ---        | ---            | ---         |
|   | SUBTOTAL.....  | 1             | ---                     | 1     | 1               | ---        | ---            | ---         |
| <b>ASSAULT</b>                              |  |               |                         |       |                 |            |                |             |
| 96M   | All other assaults not involving moving on-track equipment                       | 3             | ---                     | 3     | 3               | ---        | ---            | ---         |
|   | SUBTOTAL.....  | 3             | ---                     | 3     | 3               | ---        | ---            | ---         |
| <b>OTHER OCCURRENCES</b>                    |  |               |                         |       |                 |            |                |             |
| 982   | Insect bites   | 10            | ---                     | 10    | 10              | ---        | ---            | ---         |
| 983   | Incidents occurring in office setting involving clerical, staff, etc., personnel | 29            | ---                     | 29    | 29              | ---        | ---            | ---         |
| 984   | Contact with poisonous plants  | 21            | 3                       | 18    | 21              | ---        | ---            | ---         |
| 989   | Other accidents/incidents  | 31            | 14                      | 16    | 30              | 1          | ---            | ---         |
|   | SUBTOTAL.....  | 91            | 17                      | 73    | 90              | 1          | ---            | ---         |
|   | GRAND TOTAL.....   | 252           | 51                      | 200   | 251             | 1          | ---            | ---         |

NOTE: Contractor employees are included with nontrespassers.

**APPENDIX A**  
**REPORTABILITY**  
**REQUIREMENTS**  
**AND**  
**DEFINITIONS**





## **REPORTABILITY REQUIREMENTS**

**The rules governing the monthly reporting of railroad accidents/incidents in effect at the end of 1994 define a reportable accident/incident as an event arising from the operation of a railroad which, with minor exceptions results in one or more of the following circumstances:**

**(a) Any impact between railroad on-track equipment and an automobile, bus, truck, motorcycle, bicycle, farm vehicle, pedestrian, or other highway user at a highway-rail crossing;**

**(b) Any collision, derailment, fire, explosion, act of God, or other event involving the operation of railroad on-track equipment, standing or moving, which results in more than \$6,300 in damages to railroad on-track equipment, signals, track, track structures, and roadbed; and**

**(c) Any event arising from the operation of a railroad which results in:**

**(i) the death of one or more persons;**

**(ii) an injury to one or more employee 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.**

## **DEFINITIONS**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**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.

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

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

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

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

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

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

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

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

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

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

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

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

**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.

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

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

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

**APPENDIX B**

**REPORTING**

**FORMS**



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

*Form Approved  
OMB No. 2130-0500*

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

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

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

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

7. **MILES RUN DURING MONTH**

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

8.

|                             |                             |                                     |                         |
|-----------------------------|-----------------------------|-------------------------------------|-------------------------|
| A. EMPLOYEE MANHOURS WORKED | B. PASSENGER MILES OPERATED | C. NUMBER OF PASSENGERS TRANSPORTED |                         |
| TOTAL TRAIN ACCIDENTS       | TOTAL FRA FORMS 6180-55A    | TOTAL FRA FORMS 6180-54             | TOTAL FRA FORMS 6180-57 |

| SECTION A—RECAPITULATION OF ALL CASUALTIES INCLUDING HIGHWAY GRADE CROSSING ACCIDENT/INCIDENT CASUALTIES |     |                 |     |                    |     |       |     | CLASS OF PERSON FOR SECTIONS A AND B | SECTION B—RECAPITULATION OF ALL HIGHWAY GRADE CROSSING ACCIDENT/INCIDENT CASUALTIES |     |                 |     |                    |     |       |     |
|--|-----|-----------------|-----|--------------------|-----|-------|-----|--------------------------------------|---|-----|-----------------|-----|--------------------|-----|-------|-----|
| TRAIN ACCIDENTS  |     | TRAIN INCIDENTS |     | NONTRAIN INCIDENTS |     | TOTAL |     |                                      | TRAIN ACCIDENTS   |     | TRAIN INCIDENTS |     | NONTRAIN INCIDENTS |     | TOTAL |     |
| Kid  | Inj | Kid             | Inj | Kid                | Inj | Kid   | Inj |                                      | Kid   | Inj | Kid             | Inj | Kid                | Inj | Kid   | 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<br><div style="text-align: right;">Amtrak<br/>Autotrain</div>   |                       | 1a. Alphabetic Code                                | 1b. Railroad Accident/Incident No.  |                          |                             |                     |                      |                |                             |                     |                      |                   |                           |                      |                          |  |  |
| 2. NAME OF OTHER RAILROAD INVOLVED IN TRAIN ACCIDENT/INCIDENT   |                       | 2a. Alphabetic Code                                | 2b. Railroad Accident/Incident No.  |                          |                             |                     |                      |                |                             |                     |                      |                   |                           |                      |                          |  |  |
| 3. NAME OF RAILROAD RESPONSIBLE FOR TRACK MAINTENANCE (single entry)  |                       | 3a. Alphabetic Code                                | 3b. Railroad Accident/Incident No.  |                          |                             |                     |                      |                |                             |                     |                      |                   |                           |                      |                          |  |  |
| 4. U. S. DOT-AAR GRADE CROSSING IDENTIFICATION NUMBER   |                       | 5. DATE OF ACCIDENT/INCIDENT<br>month   day   year | 6. TIME OF ACCIDENT/INCIDENT<br>am <input type="checkbox"/> pm <input type="checkbox"/> |                          |                             |                     |                      |                |                             |                     |                      |                   |                           |                      |                          |  |  |
| 7. TYPE OF ACCIDENT/INCIDENT (enter number in code box, single entry)   |                       |  |   |                          |                             |                     |                      |                |                             |                     |                      |                   |                           |                      |                          |  |  |
| <table style="width:100%; border: none;"> <tr> <td>1. Derailment</td> <td>3. Rear end collision</td> <td>5. Raking collision</td> <td>7. Rail-Hwy crossing</td> <td>9. Obstruction</td> <td>11. Fire or violent rupture</td> <td>12. Other (specify)</td> </tr> <tr> <td>2. Head on collision</td> <td>4. Side collision</td> <td>6. Broken train collision</td> <td>8. RR grade crossing</td> <td>10. Explosion-Detonation</td> <td></td> <td></td> </tr> </table> |                       |  |   | 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 |  |  |
| 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)<br>°F | 17. VISIBILITY (single entry)<br>1. Dawn 3. Dusk<br>2. Day 4. Dark | 18. WEATHER (single entry)<br>1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow | CODE |

| OPERATIONAL DATA   |   |                                       |  |
|--|---|---------------------------------------|--|
| 19. METHOD (place X in appropriate box(es))                |   |                                       |  |
| 1 <input type="checkbox"/> Manual block                    | 4 <input type="checkbox"/> Automatic block  | 7 <input type="checkbox"/> Yard rules | 10 <input type="checkbox"/> Auto. train control                    |
| 2 <input type="checkbox"/> Interlocking                    | 5 <input type="checkbox"/> Traffic control  | 8 <input type="checkbox"/> Time table | 11 <input type="checkbox"/> Verbal permission                      |
| 3 <input type="checkbox"/> Cab signal                      | 6 <input type="checkbox"/> Auto. train stop | 9 <input type="checkbox"/> Radio      | 12 <input type="checkbox"/> Train orders                           |
| 20. SPEED (recorded speed, if available) Est. MPH Recorded |   | 21. TRAIN NUMBER                      | 22. TIME TABLE DIRECTION<br>1. North 2. South 3. East 4. West CODE |

| EQUIPMENT  |   |   |  |
|--|---|---|--|
| 23. TRAILING TONS (gross tonnage, excluding power units) | 24. TYPE OF EQUIPMENT CONSIST (single entry)<br>1. Freight train 3. Mixed train 5. Single car 7. Yard/switching<br>2. Passenger train 4. Work train 6. Cut of cars 8. Light loco(s) | CODE  | 25. WAS THE EQUIPMENT IDENTIFIED IN ITEM 24 UNATTENDED?<br>1. Yes 2. No CODE |
| 26. TRACK NUMBER OR NAME                                 | 27. FRA TRACK CLASSIFICATION  | 28. ANNUAL TRACK DENSITY (gross tons in millions) | 29. TYPE OF TRACK<br>1. Main 3. Siding<br>2. Yard 4. Industry CODE           |

|  |                                       |                                     |  |
|--|---------------------------------------|-------------------------------------|--|
| 30. PRINCIPLE CAR/UNIT<br><br>(1) First Involved (derailed, struck, striking, etc.)<br><br>(2) Causing (mechanical failures) | 30a. Initial and Number               | 30b. Position in Train              | 30c. Loaded (yes or no)  |
| 31. LOCOMOTIVE UNITS (no. of)  | a. Head End<br>b. Manual<br>c. Remote | Mid Train<br>d. Manual<br>e. Remote | Rear End<br>32. CARS (no. of)<br>Loaded<br>a. Freight b. Pass. c. Freight d. Pass. e. Caboose<br>Empty |
| (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<br>(to be reported for this equipment consist only) | 34. TRACK, SIGNAL, WAY AND STRUCTURES DAMAGE<br>(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<br>Hrs: Mins: | 46. CONDUCTOR<br>Hrs: Mins: |  |  |

|                          |               |          |
|--------------------------|---------------|----------|
| 47. TYPED NAME AND TITLE | 48. SIGNATURE | 49. DATE |
|--------------------------|---------------|----------|

50. NARRATIVE DESCRIPTION - Describe the cause, nature and circumstances of accident/incident

**RAIL-HIGHWAY GRADE CROSSING  
ACCIDENT/INCIDENT REPORT**

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

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

|  |  |  |      |
|--|--|--|------|
| <b>ACCIDENT/INCIDENT SITUATION</b>   |  |  |      |
| <b>HIGHWAY USER INVOLVED</b>   |  | <b>RAILROAD EQUIPMENT INVOLVED</b>   |      |
| 12. TYPE<br>1. Auto      3. Truck-Trailer      6. Motorcycle<br>2. Truck      4. Bus      7. Pedestrian<br>5. School Bus      8. Other (specify) | CODE   | 16. EQUIPMENT<br>1. Train (units pulling)      3. Train (standing)      6. Light loco(s) (moving)<br>2. Train (units pushing)      4. Car(s) (moving)      7. Light loco(s) (standing)<br>5. Car(s) (standing)      8. Other (specify) | CODE |
| 13. SPEED (estimated mph at impact)  | 14. DIRECTION (geographical)<br>1. North      3. East<br>2. South      4. West | 17. POSITION OF CAR/UNIT IN TRAIN  | CODE |
| 15. POSITION<br>1. Stalled on crossing      2. Stopped on crossing      3. Moving over crossing  | CODE   | 18. CIRCUMSTANCE<br>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  |      |

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

|   |  |   |      |
|---|--|---|------|
| <b>TRAIN AND TRACK</b>  |  |   |      |
| 23. TYPE OF TRAIN<br>1. Freight      3. Mixed      5. Yard/Switching<br>2. Passenger      4. Work      6. Light Locomotive(s) | CODE   | 24. TRACK TYPE USED BY TRAIN INVOLVED<br>1. Main      3. Siding<br>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)<br>MPH      Est      Recorded | 30. TIME TABLE DIRECTION<br>1. North      3. East<br>2. South      4. West                  |      |

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

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

|  |   |   |      |
|--|---|---|------|
| <b>HIGHWAY VEHICLE PROPERTY DAMAGE/CASUALTIES</b>        |   |   |      |
| 40. HIGHWAY VEHICLE PROPERTY DAMAGE (est. dollar damage) | 41. DRIVER WAS<br>1. Killed      2. Injured      3. Uninjured | 42. WAS DRIVER IN THE VEHICLE?<br>1. Yes      2. No | CODE |
| 43. TOTAL NUMBER OF OCCUPANTS KILLED                     | 44. TOTAL NUMBER OF OCCUPANTS INJURED                         | 45. TOTAL NUMBER OF OCCUPANTS (include driver)      |      |

|   |               |          |
|---|---------------|----------|
| 46. IS A RAIL EQUIPMENT ACCIDENT/INCIDENT REPORT BEING FILED? 1. Yes      2. No |               | CODE     |
| 47. TYPED NAME AND TITLE  | 48. SIGNATURE | 49. DATE |

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

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

**I. ESTABLISHMENTS INCLUDED IN THIS REPORT**  
This report should include all establishments located in, or identified by, the reporting railroad. Enter the number of establishments (see definition in the FRA Guide).

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

(Round to the nearest  
whole number)

**III. TOTAL HOURS WORKED IN REPORTING YEAR**  
Enter the total number of hours actually worked by all employees. DO NOT include any non-work time even

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

(Round to the nearest  
whole number)

**IV. REPORTABLE INJURIES AND ILLNESSES**

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

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

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

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

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

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CORPORATE NAME AND MAIL-  
ING ADDRESS OF REPORTING  
RAILROAD →

|        |       |  |
|--------|-------|--|
| Name   |       | Alphabetic Railroad<br>Code (See FRA Guide,<br>Appendix A) |
| STREET |       |  |
| CITY   | STATE | ZIP CODE   |

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

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

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

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ANNUAL RAILROAD REPORT  
OF  
MANHOURS BY STATE

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

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



U.S. Department  
of Transportation  
**Federal Railroad  
Administration**

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