

**HIGHWAY-RAIL CROSSING ACCIDENT/INCIDENT AND
INVENTORY BULLETIN**

**NO. 17
CALENDAR YEAR 1994**

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

Office of Safety

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INTRODUCTION

The seventeenth annual report, issued by the Federal Railroad Administration (FRA) Office of Safety, combines highway-rail crossing accident/incident statistics with the National highway-rail crossing inventory. Accident/incident data is compiled from monthly reports filed by railroads. The National highway-rail crossing inventory contains sight-survey data about individual crossings and is provided voluntarily by states and railroads.

The Federal Railroad Safety Act of 1970 (P.L. 91-458) and the Accident Reports Act (45 U.S.C. 38-34) require railroads to file accident/incident reports with the FRA. The National highway-rail crossing inventory was developed in response to the Federal Railroad Safety Act of 1970 and the Federal Highway Safety Acts of 1970 and 1973, which require the Secretary of Transportation to work towards improving safety at highway-rail crossings.

* * * * *

Tables and figures retain the number identification used in prior years. Information on accidents/incidents and crossings is presented in the following sequence:

Historical data on highway-rail crossing accidents/incidents at public crossings.

Summary of 1994 accidents/incidents that occurred at public crossing sites.

Physical and operational statistics for all public at-grade highway-rail crossings as described in the inventory on June 9, 1995.

Summary of 1994 accidents/incidents occurring at private highway-rail crossings and tabulations of private crossings in the inventory.

The tables in each Section furnish data on public highway-rail crossings; although tables 33 and 34 include counts of the number of private crossings. The majority of the accident tables shown in this bulletin provide information on motor vehicle accidents. Those tables that do not refer to motor vehicle in their title contain data for all accidents/incidents.

**1992/3 ACCIDENT PREDICTION AND
RESOURCE ALLOCATION PROCEDURE CONSTANTS**

The U.S. DOT Highway-Rail Crossing Resource Allocation Procedure, described in the Rail-Highway Crossing Resource Allocation Procedure User's Guide, Third Edition, DOT/FRA/OS-87/10, August 1987, uses three "normalizing constants" in the accident prediction formulas, Formula A, Section 3.2.4, Page 17. These constants have been adjusted periodically in order to keep the formulas matched with current accident trends. The last readjustment was made for Calendar Year 1992 and was published in Bulletin No. 14.

The process of determining the three (3) current normalizing constants for 1992 was performed so that the sum of the December 1991, predictions using only accident history data for Calendar Years 1986 to 1990 for the top 20 percent of each of the three classes of crossings (gates, flashing lights, passive) for the respective three formulas is made equal to the actual number of accidents that occurred for those same crossings in 1991. This process was performed for each of the three warning device groups, (1) passive, (2) flashing lights, and (3) gates.

These constants were redetermined for the "national" model using the crossings in the inventory as of December 31, 1991. Organizations using the "DOT Model" should update their models by replacing the old constants with the recalculated constants. The constants referenced here are located in the computer program ACPD.NEW as shown in the coding at the top of page A-4, Appendix A1 of the User's Guide Third Edition and in RESAL.NEW on page B-3, Appendix B1.

These constants will be used in fulfilling requests for accident prediction and resource allocation procedure listings. The table below lists the current and prior constants.

ACCIDENT PREDICTION AND RESOURCE ALLOCATION
PROCEDURE NORMALIZING CONSTANTS

| WARNING DEVICE GROUPS | CURRENT 1992 | PRIOR YEARS | | |
|--------------------------|-----------------|-------------|-------|-------|
| | | 1990 | 1988 | 1986 |
| (1) Passive | .8239 | .9417 | .8778 | .8644 |
| (2) Flashing Lights | .6935 | .8345 | .8013 | .8887 |
| (3) Gates | .6714 | .8901 | .8911 | .8131 |

The Resource Allocation Procedure is currently being reviewed and, if merited, may be revised. (This project is one of 55 actions identified within the Department of Transportation's recently released Highway-Rail Crossing Safety Action Plan.) As such, recalculation of the "normalizing constants" for the existing accident prediction formulas has been deferred until this review is complete. Users of the "DOT Model" should continue to use the 1992 constants detailed above.

TABLE-S. SUMMARY OF HIGHWAY-RAIL CROSSING ACCIDENT STATISTICS FOR THE NATION

| YEAR | TOTAL | | | MOTOR VEHICLES | | | NON-MOTOR VEHICLES | | |
|-------------|-------|-------|-------|----------------|-------|-------|--------------------|-------|-----|
| | ACCI | FATAL | INJ | ACCI | FATAL | INJ | ACCI | FATAL | INJ |
| 1989 | | | | | | | | | |
| PUBLIC | 5,979 | 757 | 2,683 | 5,772 | 682 | 2,615 | 207 | 75 | 68 |
| PRIVATE | 546 | 44 | 185 | 524 | 43 | 176 | 22 | 1 | 9 |
| TOTAL | 6,525 | 801 | 2,868 | 6,296 | 725 | 2,791 | 229 | 76 | 77 |
| 1990 | | | | | | | | | |
| PUBLIC | 5,233 | 648 | 2,254 | 5,022 | 568 | 2,186 | 211 | 80 | 68 |
| PRIVATE | 480 | 50 | 153 | 458 | 46 | 146 | 22 | 4 | 7 |
| TOTAL | 5,713 | 698 | 2,407 | 5,480 | 614 | 2,332 | 233 | 84 | 75 |
| 1991 | | | | | | | | | |
| PUBLIC | 4,861 | 565 | 1,923 | 4,677 | 497 | 1,866 | 184 | 68 | 57 |
| PRIVATE | 525 | 43 | 171 | 495 | 38 | 163 | 30 | 5 | 8 |
| TOTAL | 5,386 | 608 | 2,094 | 5,172 | 535 | 2,029 | 214 | 73 | 65 |
| 1992 | | | | | | | | | |
| PUBLIC | 4,465 | 536 | 1,830 | 4,269 | 466 | 1,752 | 196 | 70 | 78 |
| PRIVATE | 445 | 43 | 145 | 415 | 40 | 139 | 30 | 3 | 6 |
| TOTAL | 4,910 | 579 | 1,975 | 4,684 | 506 | 1,891 | 226 | 73 | 84 |
| 1993 | | | | | | | | | |
| PUBLIC | 4,437 | 584 | 1,744 | 4,240 | 517 | 1,677 | 197 | 67 | 67 |
| PRIVATE | 455 | 42 | 93 | 421 | 37 | 83 | 34 | 5 | 10 |
| TOTAL | 4,892 | 626 | 1,837 | 4,661 | 554 | 1,760 | 231 | 72 | 77 |
| 1994 | | | | | | | | | |
| PUBLIC | 4,503 | 572 | 1,829 | 4,296 | 501 | 1,764 | 207 | 71 | 65 |
| PRIVATE | 476 | 43 | 132 | 450 | 41 | 121 | 26 | 2 | 11 |
| TOTAL | 4,979 | 615 | 1,961 | 4,746 | 542 | 1,885 | 233 | 73 | 76 |

**TABLE 1. SUMMARY OF ACCIDENTS/INCIDENTS AND CASUALTIES
AT HIGHWAY-RAIL PUBLIC CROSSINGS**

| YEAR | NUMBER OF ACCIDENTS | CASUALTIES | | | PER ACCIDENT |
|------|------------------------|------------|---------|----------------------|-----------------|
| | | KILLED | INJURED | TOTAL.....CASUALTIES | |
| 1989 | 5,979 | 757 | 2,683 | 3,440 | 0.58 |
| 1990 | 5,233 | 648 | 2,254 | 2,902 | 0.55 |
| 1991 | 4,861 | 565 | 1,923 | 2,488 | 0.51 |
| 1992 | 4,465 | 536 | 1,830 | 2,366 | 0.52 |
| 1993 | 4,437 | 584 | 1,744 | 2,328 | 0.52 |
| 1994 | 4,503 | 572 | 1,829 | 2,401 | 0.53 |

**TABLE 2. SUMMARY OF ACCIDENTS/INCIDENTS AND ACCIDENT RATES AT
HIGHWAY-RAIL PUBLIC CROSSINGS INVOLVING MOTOR VEHICLES**

| YEAR | MOTOR VEHICLES | ACCIDENTS | VEHICLES |
|------|-------------------------|-----------------------------------|----------|
| | REGISTERED ACCIDENTS | PER MILLION (000) ¹ | |
| 1989 | 5,772 | 190,940 | 30.23 |
| 1990 | 5,022 | 192,123 | 26.14 |
| 1991 | 4,677 | 191,743 | 24.39 |
| 1992 | 4,269 | 193,430 | 22.07 |
| 1993 | 4,240 | 197,254 | 21.49 |
| 1994 | 4,296 | 198,620 | 21.63 |

**TABLE 3. ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY STATE, 1994**

| State | No. Of Acc/Inc | ----Killed---- | | ---Injured--- | | Total -Casualties-- | |
|-------------------|-------------------|----------------|--------|---------------|--------|------------------------|--------|
| | | No. | % | No. | % | No. | % |
| Alabama..... | 172 | 12 | 2.10 | 74 | 4.05 | 86 | 3.58 |
| Alaska..... | 3 | 3 | .52 | 3 | .16 | 6 | .25 |
| Arizona..... | 24 | 2 | .35 | 9 | .49 | 11 | .46 |
| Arkansas..... | 139 | 19 | 3.32 | 65 | 3.55 | 84 | 3.50 |
| California..... | 183 | 34 | 5.94 | 52 | 2.84 | 86 | 3.58 |
| Colorado..... | 43 | 11 | 1.92 | 11 | .60 | 22 | .92 |
| Connecticut..... | 4 | --- | --- | 1 | .05 | 1 | .04 |
| Delaware..... | 5 | 1 | .17 | 4 | .22 | 5 | .21 |
| Dist. of Columbia | --- | --- | --- | --- | --- | --- | --- |
| Florida..... | 114 | 16 | 2.80 | 46 | 2.52 | 62 | 2.58 |
| Georgia..... | 148 | 12 | 2.10 | 53 | 2.90 | 65 | 2.71 |
| Idaho..... | 39 | 9 | 1.57 | 12 | .66 | 21 | .87 |
| Illinois..... | 308 | 49 | 8.57 | 181 | 9.90 | 230 | 9.58 |
| Indiana..... | 273 | 27 | 4.72 | 123 | 6.72 | 150 | 6.25 |
| Iowa..... | 157 | 19 | 3.32 | 56 | 3.06 | 75 | 3.12 |
| Kansas..... | 94 | 16 | 2.80 | 31 | 1.69 | 47 | 1.96 |
| Kentucky..... | 80 | 10 | 1.75 | 36 | 1.97 | 46 | 1.92 |
| Louisiana..... | 202 | 16 | 2.80 | 97 | 5.30 | 113 | 4.71 |
| Maine..... | 5 | --- | --- | 3 | .16 | 3 | .12 |
| Maryland..... | 12 | --- | --- | 5 | .27 | 5 | .21 |
| Massachusetts.... | 16 | --- | --- | 3 | .16 | 3 | .12 |
| Michigan..... | 158 | 24 | 4.20 | 79 | 4.32 | 103 | 4.29 |
| Minnesota..... | 138 | 18 | 3.15 | 64 | 3.50 | 82 | 3.42 |
| Mississippi..... | 163 | 25 | 4.37 | 66 | 3.61 | 91 | 3.79 |
| Missouri..... | 115 | 12 | 2.10 | 43 | 2.35 | 55 | 2.29 |
| Montana..... | 18 | --- | --- | 9 | .49 | 9 | .37 |
| Nebraska..... | 86 | 20 | 3.50 | 23 | 1.26 | 43 | 1.79 |
| Nevada..... | 7 | 2 | .35 | 3 | .16 | 5 | .21 |
| New Hampshire.... | 2 | --- | --- | --- | --- | --- | --- |
| New Jersey..... | 34 | 6 | 1.05 | 10 | .55 | 16 | .67 |
| New Mexico..... | 17 | 5 | .87 | 6 | .33 | 11 | .46 |
| New York..... | 37 | 6 | 1.05 | 12 | .66 | 18 | .75 |
| North Carolina... | 145 | 11 | 1.92 | 46 | 2.52 | 57 | 2.37 |
| North Dakota.... | 20 | 2 | .35 | 12 | .66 | 14 | .58 |
| Ohio..... | 229 | 37 | 6.47 | 82 | 4.48 | 119 | 4.96 |
| Oklahoma..... | 116 | 16 | 2.80 | 66 | 3.61 | 82 | 3.42 |
| Oregon..... | 38 | 1 | .17 | 11 | .60 | 12 | .50 |
| Pennsylvania..... | 73 | 8 | 1.40 | 19 | 1.04 | 27 | 1.12 |
| Rhode Island..... | --- | --- | --- | --- | --- | --- | --- |
| South Carolina... | 87 | 8 | 1.40 | 37 | 2.02 | 45 | 1.87 |
| South Dakota.... | 29 | 1 | .17 | 15 | .82 | 16 | .67 |
| Tennessee..... | 99 | 12 | 2.10 | 25 | 1.37 | 37 | 1.54 |
| Texas..... | 502 | 55 | 9.62 | 227 | 12.41 | 282 | 11.75 |
| Utah..... | 26 | 17 | 2.97 | 5 | .27 | 22 | .92 |
| Vermont..... | 3 | --- | --- | 2 | .11 | 2 | .08 |
| Virginia..... | 56 | 5 | .87 | 9 | .49 | 14 | .58 |
| Washington..... | 60 | 3 | .52 | 15 | .82 | 18 | .75 |
| West Virginia.... | 41 | 3 | .52 | 6 | .33 | 9 | .37 |
| Wisconsin..... | 176 | 14 | 2.45 | 72 | 3.94 | 86 | 3.58 |
| Wyoming..... | 7 | 5 | .87 | --- | --- | 5 | .21 |
| Unknown..... | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 4,503 | 572 | 100.00 | 1,829 | 100.00 | 2,401 | 100.00 |

**TABLE 4. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY STATE, 1994**

| State | No. Of Acc/Inc | -----Casualties----- | | | Vehicles Registered | --Per 10,000 Registration-- | | |
|-------------------|-------------------|----------------------|-------|-------|------------------------|-----------------------------|-----|-----|
| | | Kld | Inj | Total | | Acc/Inc | Kld | Inj |
| Alabama..... | 167 | 12 | 71 | 83 | 3,422,000 | .49 | .04 | .21 |
| Alaska..... | 3 | 3 | 3 | 6 | 508,000 | .06 | .06 | .06 |
| Arizona..... | 23 | 1 | 9 | 10 | 2,980,000 | .08 | --- | .03 |
| Arkansas..... | 134 | 18 | 63 | 81 | 1,560,000 | .86 | .12 | .40 |
| California..... | 163 | 22 | 48 | 70 | 23,518,000 | .07 | .01 | .02 |
| Colorado..... | 41 | 11 | 10 | 21 | 3,144,000 | .13 | .03 | .03 |
| Connecticut..... | 4 | --- | 1 | 1 | 2,638,000 | .02 | --- | --- |
| Delaware..... | 5 | 1 | 4 | 5 | 568,000 | .09 | .02 | .07 |
| Dist. of Columbia | --- | --- | --- | --- | 270,000 | --- | --- | --- |
| Florida..... | 104 | 11 | 43 | 54 | 10,132,000 | .10 | .01 | .04 |
| Georgia..... | 144 | 11 | 52 | 63 | 5,638,000 | .26 | .02 | .09 |
| Idaho..... | 38 | 7 | 12 | 19 | 1,062,000 | .36 | .07 | .11 |
| Illinois..... | 276 | 35 | 170 | 205 | 8,331,000 | .33 | .04 | .20 |
| Indiana..... | 265 | 26 | 119 | 145 | 4,850,000 | .55 | .05 | .25 |
| Iowa..... | 152 | 19 | 54 | 73 | 2,929,000 | .52 | .06 | .18 |
| Kansas..... | 89 | 14 | 31 | 45 | 1,965,000 | .45 | .07 | .16 |
| Kentucky..... | 80 | 10 | 36 | 46 | 2,615,000 | .31 | .04 | .14 |
| Louisiana..... | 196 | 15 | 95 | 110 | 3,242,000 | .60 | .05 | .29 |
| Maine..... | 5 | --- | 3 | 3 | 1,071,000 | .05 | --- | .03 |
| Maryland..... | 12 | --- | 5 | 5 | 3,543,000 | .03 | --- | .01 |
| Massachusetts.... | 15 | --- | 3 | 3 | 3,956,000 | .04 | --- | .01 |
| Michigan..... | 143 | 15 | 74 | 89 | 7,599,000 | .19 | .02 | .10 |
| Minnesota..... | 132 | 17 | 62 | 79 | 3,869,000 | .34 | .04 | .16 |
| Mississippi..... | 158 | 24 | 65 | 89 | 2,056,000 | .77 | .12 | .32 |
| Missouri..... | 111 | 12 | 41 | 53 | 4,179,000 | .27 | .03 | .10 |
| Montana..... | 18 | --- | 9 | 9 | 967,000 | .19 | --- | .09 |
| Nebraska..... | 73 | 16 | 20 | 36 | 1,490,000 | .49 | .11 | .13 |
| Nevada..... | 4 | --- | 2 | 2 | 983,000 | .04 | --- | .02 |
| New Hampshire.... | 2 | --- | --- | --- | 1,013,000 | .02 | --- | --- |
| New Jersey..... | 30 | 3 | 9 | 12 | 5,752,000 | .05 | .01 | .02 |
| New Mexico..... | 17 | 5 | 6 | 11 | 1,472,000 | .12 | .03 | .04 |
| New York..... | 33 | 5 | 10 | 15 | 10,428,000 | .03 | --- | .01 |
| North Carolina... | 139 | 11 | 45 | 56 | 5,462,000 | .25 | .02 | .08 |
| North Dakota..... | 18 | 2 | 10 | 12 | 687,000 | .26 | .03 | .15 |
| Ohio..... | 225 | 35 | 81 | 116 | 9,647,000 | .23 | .04 | .08 |
| Oklahoma..... | 111 | 15 | 64 | 79 | 2,863,000 | .39 | .05 | .22 |
| Oregon..... | 38 | 1 | 11 | 12 | 2,748,000 | .14 | --- | .04 |
| Pennsylvania..... | 72 | 7 | 19 | 26 | 8,557,000 | .08 | .01 | .02 |
| Rhode Island..... | --- | --- | --- | --- | 728,000 | --- | --- | --- |
| South Carolina... | 85 | 7 | 37 | 44 | 2,764,000 | .31 | .03 | .13 |
| South Dakota..... | 28 | 1 | 15 | 16 | 845,000 | .33 | .01 | .18 |
| Tennessee..... | 96 | 11 | 25 | 36 | 5,150,000 | .19 | .02 | .05 |
| Texas..... | 494 | 55 | 221 | 276 | 13,287,000 | .37 | .04 | .17 |
| Utah..... | 25 | 16 | 5 | 21 | 1,381,000 | .18 | .12 | .04 |
| Vermont..... | 3 | --- | 2 | 2 | 502,000 | .06 | --- | .04 |
| Virginia..... | 53 | 4 | 9 | 13 | 5,593,000 | .09 | .01 | .02 |
| Washington..... | 58 | 3 | 14 | 17 | 4,654,000 | .12 | .01 | .03 |
| West Virginia.... | 40 | 2 | 6 | 8 | 1,375,000 | .29 | .01 | .04 |
| Wisconsin..... | 168 | 13 | 70 | 83 | 4,044,000 | .42 | .03 | .17 |
| Wyoming..... | 6 | 5 | --- | 5 | 583,000 | .10 | .09 | --- |
| Unknown..... | --- | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 4,296 | 501 | 1,764 | 2,265 | 198,620,000 | .22 | .03 | .09 |

Note: Vehicle registration figures are for 1994 and were supplied by the Federal Highway Administration. Registration figures for Hawaii are omitted because it does not have any reporting railroads.

TABLE 5. ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY TYPE OF MOTOR VEHICLE, 1994

| State | --Automobile-- | | | ---Truck--- | | | -Truck Trailer- | | | -----Bus----- | | | --School Bus-- | | | -Motorcycle- | | |
|-------------------|----------------|-----|-------|-------------|-----|-----|-----------------|-----|-----|---------------|-----|-----|----------------|-----|-----|--------------|-----|-----|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| Alabama..... | 108 | 10 | 50 | 33 | 1 | 15 | 26 | 1 | 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Alaska..... | --- | --- | --- | 2 | 2 | --- | 1 | 1 | 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arizona..... | 17 | 1 | 9 | 4 | --- | --- | 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arkansas..... | 72 | 13 | 37 | 40 | 5 | 18 | 22 | --- | 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| California..... | 97 | 18 | 28 | 36 | 2 | 15 | 26 | 1 | 4 | --- | --- | --- | --- | --- | 4 | 1 | 1 | --- |
| Colorado..... | 26 | 9 | 4 | 10 | 2 | 4 | 5 | --- | 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Connecticut..... | 3 | --- | 1 | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Delaware..... | --- | --- | --- | 2 | 1 | 1 | 3 | --- | 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Dist. of Columbia | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Florida..... | 77 | 8 | 32 | 20 | 1 | 9 | 5 | --- | 2 | --- | --- | --- | --- | --- | 2 | 2 | --- | --- |
| Georgia..... | 94 | 7 | 39 | 27 | 3 | 11 | 23 | 1 | 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Idaho..... | 23 | 2 | 7 | 12 | 5 | 4 | 3 | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Illinois..... | 183 | 25 | 56 | 67 | 10 | 32 | 24 | --- | 82 | --- | --- | --- | --- | --- | 2 | --- | --- | --- |
| Indiana..... | 179 | 18 | 89 | 68 | 8 | 23 | 18 | --- | 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Iowa..... | 99 | 17 | 36 | 35 | 1 | 14 | 17 | --- | 4 | --- | --- | --- | --- | --- | 1 | 1 | --- | --- |
| Kansas..... | 58 | 9 | 19 | 23 | 5 | 11 | 7 | --- | 1 | --- | --- | --- | --- | --- | 1 | --- | --- | --- |
| Kentucky..... | 52 | 10 | 25 | 15 | --- | 4 | 11 | --- | 5 | --- | --- | 2 | --- | 2 | --- | --- | --- | --- |
| Louisiana..... | 113 | 11 | 65 | 56 | 4 | 22 | 27 | --- | 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Maine..... | 2 | --- | 1 | 3 | --- | 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Maryland..... | 9 | --- | 3 | 3 | --- | 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Massachusetts.... | 12 | --- | 3 | 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Michigan..... | 105 | 10 | 54 | 32 | 4 | 18 | 5 | --- | 2 | --- | --- | --- | --- | --- | 1 | 1 | --- | --- |
| Minnesota..... | 84 | 14 | 40 | 37 | 3 | 18 | 11 | --- | 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mississippi..... | 111 | 18 | 41 | 31 | 6 | 16 | 16 | --- | 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Missouri..... | 66 | 9 | 21 | 33 | 2 | 19 | 12 | 1 | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Montana..... | 8 | --- | --- | 8 | --- | 6 | 2 | --- | 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Nebraska..... | 51 | 8 | 11 | 17 | 6 | 8 | 4 | 2 | 1 | --- | --- | --- | --- | --- | 1 | --- | --- | --- |
| Nevada..... | 2 | --- | --- | 2 | --- | 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| New Hampshire.... | 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| New Jersey..... | 20 | 2 | 5 | 8 | 1 | 4 | 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| New Mexico..... | 9 | 3 | --- | 7 | 2 | 5 | 1 | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| New York..... | 29 | 5 | 10 | 3 | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- |
| North Carolina... | 96 | 9 | 34 | 27 | 2 | 7 | 16 | --- | 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North Dakota.... | 13 | 2 | 8 | 4 | --- | 2 | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ohio..... | 149 | 26 | 52 | 55 | 7 | 23 | 18 | 2 | 5 | --- | --- | --- | --- | --- | 3 | --- | 1 | --- |
| Oklahoma..... | 68 | 10 | 36 | 32 | 4 | 15 | 10 | 1 | 12 | --- | --- | --- | --- | --- | 1 | --- | 1 | --- |
| Oregon..... | 17 | 1 | 6 | 11 | --- | 5 | 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pennsylvania.... | 39 | 6 | 6 | 24 | 1 | 13 | 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Rhode Island.... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Carolina... | 52 | 6 | 26 | 21 | 1 | 6 | 12 | --- | 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Dakota.... | 18 | --- | 9 | 6 | 1 | 5 | 3 | --- | --- | --- | --- | --- | --- | --- | 1 | --- | 1 | --- |
| Tennessee..... | 67 | 8 | 21 | 21 | 1 | 4 | 7 | --- | --- | --- | --- | --- | --- | --- | 1 | 2 | --- | --- |
| Texas..... | 282 | 27 | 131 | 159 | 27 | 65 | 51 | --- | 24 | 1 | --- | 1 | --- | --- | 1 | 1 | --- | --- |
| Utah..... | 17 | 14 | 4 | 3 | 1 | --- | 3 | --- | --- | 1 | --- | 1 | --- | --- | 1 | 1 | --- | --- |
| Vermont..... | 1 | --- | 1 | 2 | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Virginia..... | 37 | 2 | 6 | 9 | 1 | 3 | 7 | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Washington..... | 40 | 3 | 12 | 11 | --- | 2 | 6 | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- |
| West Virginia.... | 30 | 2 | 3 | 8 | --- | 3 | 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Wisconsin..... | 109 | 10 | 48 | 46 | 2 | 20 | 12 | 1 | 2 | --- | --- | --- | --- | --- | 1 | --- | --- | --- |
| Wyoming..... | 3 | 5 | --- | 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Unknown..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 2,749 | 358 | 1,089 | 1,079 | 122 | 457 | 441 | 12 | 210 | 3 | --- | 2 | 3 | --- | 2 | 21 | 9 | 4 |

**TABLE 6. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY TYPE OF CONSIST, 1994**

| State | ----Freight---- | | | ---Passenger--- | | | -Yard Switching | | | -----Other----- | | |
|-------------------|-----------------|-----|-------|-----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| Alabama..... | 134 | 12 | 58 | 4 | --- | 1 | 18 | --- | 6 | 11 | --- | 6 |
| Alaska..... | 1 | 2 | --- | --- | --- | --- | 1 | --- | --- | 1 | 1 | 3 |
| Arizona..... | 10 | --- | 5 | --- | --- | --- | 10 | 1 | 4 | 3 | --- | --- |
| Arkansas..... | 115 | 17 | 55 | --- | --- | --- | 9 | --- | 4 | 10 | 1 | 4 |
| California..... | 103 | 13 | 29 | 27 | 9 | 6 | 19 | --- | 6 | 14 | --- | 7 |
| Colorado..... | 33 | 9 | 5 | 3 | 2 | 2 | 3 | --- | 1 | 2 | --- | 2 |
| Connecticut..... | --- | --- | --- | 4 | --- | 1 | --- | --- | --- | --- | --- | --- |
| Delaware..... | 4 | 1 | 2 | --- | --- | --- | 1 | --- | 2 | --- | --- | --- |
| Dist. of Columbia | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Florida..... | 60 | 7 | 31 | 26 | 3 | 7 | 10 | --- | 4 | 8 | 1 | 1 |
| Georgia..... | 115 | 9 | 45 | 5 | 1 | --- | 9 | --- | 2 | 15 | 1 | 5 |
| Idaho..... | 34 | 7 | 11 | --- | --- | --- | 3 | --- | 1 | 1 | --- | --- |
| Illinois..... | 186 | 23 | 76 | 36 | 11 | 83 | 24 | 1 | 7 | 30 | --- | 4 |
| Indiana..... | 214 | 22 | 93 | 13 | 3 | 6 | 14 | 1 | 5 | 24 | --- | 15 |
| Iowa..... | 116 | 19 | 44 | 2 | --- | --- | 19 | --- | 4 | 15 | --- | 6 |
| Kansas..... | 75 | 13 | 26 | 2 | 1 | --- | 6 | --- | 3 | 6 | --- | 2 |
| Kentucky..... | 71 | 10 | 29 | --- | --- | --- | 6 | --- | 1 | 3 | --- | 6 |
| Louisiana..... | 150 | 14 | 83 | 3 | --- | 1 | 26 | --- | 3 | 17 | 1 | 8 |
| Maine..... | 4 | --- | 3 | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| Maryland..... | 7 | --- | 1 | --- | --- | --- | 1 | --- | --- | 4 | --- | 4 |
| Massachusetts.... | 9 | --- | 3 | 5 | --- | --- | --- | --- | --- | 1 | --- | --- |
| Michigan..... | 118 | 14 | 68 | 3 | --- | 1 | 11 | --- | 2 | 11 | 1 | 3 |
| Minnesota..... | 91 | 17 | 47 | --- | --- | --- | 20 | --- | 2 | 21 | --- | 13 |
| Mississippi..... | 115 | 20 | 56 | 18 | 3 | 6 | 11 | --- | 1 | 14 | 1 | 2 |
| Missouri..... | 90 | 11 | 39 | 1 | --- | --- | 10 | 1 | 1 | 10 | --- | 1 |
| Montana..... | 14 | --- | 9 | --- | --- | --- | 2 | --- | --- | 2 | --- | --- |
| Nebraska..... | 65 | 14 | 17 | 1 | --- | 1 | 2 | --- | 1 | 5 | 2 | 1 |
| Nevada..... | 3 | --- | 2 | 1 | --- | --- | --- | --- | --- | --- | --- | --- |
| New Hampshire.... | 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| New Jersey..... | 15 | 2 | 3 | 9 | 1 | 4 | 2 | --- | --- | 4 | --- | 2 |
| New Mexico..... | 15 | 5 | 6 | --- | --- | --- | --- | --- | --- | 2 | --- | --- |
| New York..... | 23 | 2 | 10 | 7 | 3 | --- | 1 | --- | --- | 2 | --- | --- |
| North Carolina... | 103 | 10 | 38 | 5 | --- | --- | 17 | 1 | 5 | 14 | --- | 2 |
| North Dakota..... | 16 | 2 | 10 | --- | --- | --- | 2 | --- | --- | --- | --- | --- |
| Ohio..... | 193 | 31 | 76 | 3 | 1 | 1 | 15 | --- | 3 | 14 | 3 | 1 |
| Oklahoma..... | 98 | 15 | 60 | --- | --- | --- | 5 | --- | 1 | 8 | --- | 3 |
| Oregon..... | 29 | --- | 10 | 1 | --- | --- | 5 | 1 | --- | 3 | --- | 1 |
| Pennsylvania..... | 52 | 6 | 15 | 6 | --- | 2 | 6 | --- | --- | 8 | 1 | 2 |
| Rhode Island..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Carolina... | 69 | 7 | 30 | --- | --- | --- | 9 | --- | 4 | 7 | --- | 3 |
| South Dakota..... | 17 | --- | 9 | 1 | --- | 2 | 3 | --- | --- | 7 | 1 | 4 |
| Tennessee..... | 70 | 8 | 22 | 1 | --- | 1 | 12 | --- | --- | 13 | 3 | 2 |
| Texas..... | 375 | 52 | 180 | 7 | --- | 1 | 61 | 2 | 18 | 51 | 1 | 22 |
| Utah..... | 18 | 12 | 3 | 1 | 1 | --- | 1 | 2 | --- | 5 | 1 | 2 |
| Vermont..... | 3 | --- | 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Virginia..... | 45 | 4 | 8 | 2 | --- | 1 | 2 | --- | --- | 4 | --- | --- |
| Washington..... | 31 | 2 | 10 | 3 | --- | --- | 16 | --- | --- | 8 | 1 | 4 |
| West Virginia.... | 36 | 2 | 6 | --- | --- | --- | 1 | --- | --- | 3 | --- | --- |
| Wisconsin..... | 129 | 10 | 54 | 1 | --- | --- | 20 | 1 | 9 | 18 | 2 | 7 |
| Wyoming..... | 5 | 5 | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| Unknown..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 3,281 | 429 | 1,389 | 201 | 39 | 127 | 413 | 11 | 100 | 401 | 22 | 148 |

Note: "Other" includes mixed trains, work trains, light locomotives, single car or cut of cars.

**TABLE 7. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY WARNING DEVICE, 1994**

| Railroad | Gates | Flashing Lights | Hwy Sig. | | Cross- Bucks | Stop Signs | Other Signs | No Signs Or Signals | | Total |
|--|-------|--------------------|------------------|---------|-----------------|---------------|----------------|---------------------------|-----|-------|
| | | | Wigwags Bells | Special | | | | | | |
| Alaska Railroad Corp. | --- | 3 | --- | --- | --- | --- | --- | --- | --- | 3 |
| Alton & Southern Railroad | 1 | 2 | --- | --- | --- | --- | --- | --- | --- | 3 |
| Amtrak (Nat'l Railroad Passenger Corp.) | 71 | 11 | 3 | --- | 34 | 7 | --- | --- | --- | 126 |
| Atchison, Topeka And Santa Fe Railway Co. | 54 | 38 | --- | 1 | 65 | 1 | --- | --- | --- | 159 |
| Bangor And Aroostook Railroad | --- | 2 | --- | --- | --- | --- | --- | --- | --- | 2 |
| Belt Railway Co. of Chicago | --- | 2 | --- | --- | --- | --- | --- | --- | --- | 2 |
| Bessemer & Lake Erie Railroad Co. | --- | --- | --- | --- | 1 | --- | --- | --- | --- | 1 |
| Birmingham Southern Railroad Co. | --- | 1 | --- | --- | --- | --- | --- | --- | --- | 1 |
| Burlington Northern Railroad Co. | 63 | 102 | 3 | 1 | 193 | 63 | --- | --- | --- | 425 |
| Chicago And North Western Transp. | 34 | 54 | 4 | 2 | 73 | 14 | --- | 3 | --- | 184 |
| Chicago, Central & Pacific Railroad Co. | 4 | 11 | --- | 1 | 16 | 1 | --- | 1 | --- | 34 |
| Consolidated Rail Corp. | 79 | 72 | 6 | 6 | 82 | 9 | 3 | 13 | --- | 270 |
| Cuyahoga Valley Railway Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CSX Transp. | 82 | 141 | 22 | 7 | 185 | 36 | --- | 3 | --- | 476 |
| Dakota, Minnesota & Eastern Railroad | 1 | 4 | --- | --- | 9 | 1 | --- | --- | --- | 15 |
| Delaware And Hudson Railroad Co. | 4 | 1 | --- | --- | --- | --- | --- | --- | --- | 5 |
| Denver And Rio Grande Western Railroad Co. | 2 | 4 | --- | --- | 6 | --- | --- | --- | --- | 12 |
| Duluth, Missabe & Iron Range Railway Co. | --- | 1 | --- | --- | 1 | 1 | --- | --- | --- | 3 |
| Elgin, Joliet And Eastern Railway Co. | 1 | 1 | --- | --- | 1 | --- | --- | --- | --- | 3 |
| Florida East Coast Railway Co. | 23 | --- | --- | --- | --- | 2 | --- | --- | --- | 25 |
| Fox Valley & Western Ltd. | --- | 6 | --- | --- | 10 | --- | --- | --- | --- | 16 |
| Gateway Western Railway | --- | 3 | --- | --- | 5 | 1 | --- | --- | --- | 9 |
| Grand Trunk Western Railroad Co. | 20 | 14 | --- | --- | 6 | 10 | --- | --- | --- | 50 |
| Houston Belt & Terminal Railway Co. | 4 | --- | --- | --- | 1 | --- | --- | --- | --- | 5 |
| Illinois Central Railroad Co. | 6 | 34 | --- | --- | 47 | 3 | --- | 1 | --- | 91 |
| Indiana Harbor Belt Railroad Co. | 8 | 4 | --- | 1 | 2 | 1 | --- | --- | --- | 16 |
| Kansas City Southern Railway Co. | 10 | 44 | 2 | 2 | 104 | 1 | --- | --- | --- | 163 |
| Long Island Rail Road | 4 | --- | --- | 1 | --- | --- | --- | --- | --- | 5 |
| Metro North Commuter Railroad Co. | 1 | 1 | --- | --- | 1 | --- | --- | --- | --- | 3 |
| Montana Rail Link | 1 | --- | --- | --- | 6 | 3 | --- | --- | --- | 10 |
| New Jersey Transit Rail Operations | 8 | --- | --- | --- | --- | --- | --- | --- | --- | 8 |
| Norfolk Southern Corp. | 150 | 184 | 8 | 4 | 230 | 66 | --- | 2 | --- | 644 |
| Northeast Illinois Regional Commuter Rail | 17 | 4 | --- | --- | --- | --- | --- | --- | --- | 21 |
| Northern Indiana Commuter Trans. | 3 | 3 | --- | --- | --- | 1 | --- | --- | --- | 7 |
| Paducah & Louisville Railway Co. | --- | 3 | --- | --- | 1 | --- | --- | --- | --- | 4 |
| Port Authority Trans Hudson | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Port Terminal Railroad Assoc. | --- | 1 | --- | --- | 2 | --- | --- | --- | --- | 3 |
| Soo Line Railroad Co. | 11 | 24 | --- | --- | 36 | 5 | --- | 1 | --- | 77 |
| Southeastern Pennsylvania Transp. | 4 | --- | --- | --- | --- | --- | --- | --- | --- | 4 |
| Southern Pacific Transp. Co. | 100 | 41 | 12 | 9 | 71 | 3 | --- | --- | --- | 236 |
| Southern Pacific, Chicago-St. Louis Corp. | 1 | 2 | 1 | --- | 4 | --- | --- | --- | --- | 8 |
| Springfield Terminal Railway Co. | 1 | 3 | --- | 1 | 1 | --- | --- | --- | --- | 6 |
| St. Louis Southwestern Railway Co. | 10 | 19 | 1 | --- | 42 | 4 | --- | --- | --- | 76 |
| Terminal Railroad Assoc. of St. Louis | --- | 2 | --- | --- | 1 | --- | --- | --- | --- | 3 |
| Texas Mexican Railway Co. | --- | 4 | --- | --- | 2 | --- | --- | --- | --- | 6 |
| Union Pacific Railroad Co. | 133 | 101 | 2 | 4 | 266 | 42 | --- | 16 | --- | 564 |
| Union Railroad Company (Pittsburgh) | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Wheeling & Lake Erie Railway Co. | --- | 6 | --- | --- | 24 | --- | --- | --- | --- | 30 |
| Wisconsin Central Ltd. | 9 | 34 | 1 | --- | 28 | 12 | --- | --- | --- | 84 |
| All Other Railroads..... | 39 | 111 | 6 | 8 | 190 | 38 | 1 | 5 | --- | 398 |
| Total..... | 959 | 1,098 | 71 | 48 | 1,746 | 325 | 4 | 45 | --- | 4,296 |

Note: "Special" are crossings protected by watchmen or members of train crew.

TABLE 7A. ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY RAILROAD, 1994

| Railroad | -----Motor Vehicle----- | | | ----Other Highway Users---- | | | -----Total----- | | |
|--|-------------------------|--------|---------|-----------------------------|--------|---------|-----------------|--------|---------|
| | Acc/Inc | Killed | Injured | Acc/Inc | Killed | Injured | Acc/Inc | Killed | Injured |
| Alaska Railroad Corp. | 3 | 3 | 3 | --- | --- | --- | 3 | 3 | 3 |
| Alton & Southern Railroad | 3 | --- | 3 | --- | --- | --- | 3 | --- | 3 |
| Amtrak (Nat'l Railroad Passenger Corp.) | 126 | 26 | 34 | 21 | 14 | 2 | 147 | 40 | 36 |
| Atchison, Topeka And Santa Fe Railway Co. | 159 | 15 | 57 | 13 | 6 | 5 | 172 | 21 | 62 |
| Bangor And Aroostook Railroad | 2 | --- | 1 | --- | --- | --- | 2 | --- | 1 |
| Belt Railway Co. of Chicago | 2 | --- | 1 | --- | --- | --- | 2 | --- | 1 |
| Bessemer & Lake Erie Railroad Co. | 1 | --- | --- | --- | --- | --- | 1 | --- | --- |
| Birmingham Southern Railroad Co. | 1 | --- | --- | --- | --- | --- | 1 | --- | --- |
| Burlington Northern Railroad Co. | 425 | 79 | 198 | 28 | 5 | 9 | 453 | 84 | 207 |
| Chicago And North Western Transp. | 184 | 24 | 54 | 8 | 5 | 2 | 192 | 29 | 56 |
| Chicago, Central & Pacific Railroad Co. | 34 | 1 | 12 | 1 | --- | 1 | 35 | 1 | 13 |
| Consolidated Rail Corp. | 270 | 41 | 83 | 13 | 5 | 4 | 283 | 46 | 87 |
| Cuyahoga Valley Railway Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CSX Transp. | 476 | 44 | 241 | 18 | 7 | 6 | 494 | 51 | 247 |
| Dakota, Minnesota & Eastern Railroad | 15 | --- | 8 | --- | --- | --- | 15 | --- | 8 |
| Delaware And Hudson Railroad Co. | 5 | 1 | 6 | --- | --- | --- | 5 | 1 | 6 |
| Denver And Rio Grande Western Railroad Co. | 12 | 4 | 6 | --- | --- | --- | 12 | 4 | 6 |
| Duluth, Missabe & Iron Range Railway Co. | 3 | 2 | 2 | --- | --- | --- | 3 | 2 | 2 |
| Elgin, Joliet And Eastern Railway Co. | 3 | --- | 2 | --- | --- | --- | 3 | --- | 2 |
| Florida East Coast Railway Co. | 25 | 2 | 14 | 3 | 1 | 2 | 28 | 3 | 16 |
| Fox Valley & Western Ltd. | 16 | --- | 7 | --- | --- | --- | 16 | --- | 7 |
| Gateway Western Railway | 9 | 1 | 1 | 1 | --- | 1 | 10 | 1 | 2 |
| Grand Trunk Western Railroad Co. | 50 | 8 | 26 | 7 | 5 | 3 | 57 | 13 | 29 |
| Houston Belt & Terminal Railway Co. | 5 | --- | --- | --- | --- | --- | 5 | --- | --- |
| Illinois Central Railroad Co. | 91 | 7 | 41 | 2 | --- | 1 | 93 | 7 | 42 |
| Indiana Harbor Belt Railroad Co. | 16 | --- | 6 | 1 | --- | 1 | 17 | --- | 7 |
| Kansas City Southern Railway Co. | 163 | 8 | 83 | 3 | --- | --- | 166 | 8 | 83 |
| Long Island Rail Road | 5 | 2 | --- | --- | --- | --- | 5 | 2 | --- |
| Metro North Commuter Railroad Co. | 3 | --- | --- | --- | --- | --- | 3 | --- | --- |
| Montana Rail Link | 10 | 3 | 1 | --- | --- | --- | 10 | 3 | 1 |
| New Jersey Transit Rail Operations | 8 | 1 | 4 | 1 | 1 | --- | 9 | 2 | 4 |
| Norfolk Southern Corp. | 644 | 70 | 191 | 23 | 5 | 7 | 667 | 75 | 198 |
| Northeast Illinois Regional Commuter Rail | 21 | 3 | 82 | 2 | --- | 2 | 23 | 3 | 84 |
| Northern Indiana Commuter Trans. | 7 | --- | 1 | --- | --- | --- | 7 | --- | 1 |
| Paducah & Louisville Railway Co. | 4 | --- | --- | --- | --- | --- | 4 | --- | --- |
| Port Authority Trans Hudson | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Port Terminal Railroad Assoc. | 3 | --- | --- | --- | --- | --- | 3 | --- | --- |
| Soo Line Railroad Co. | 77 | 10 | 34 | 7 | --- | 2 | 84 | 10 | 36 |
| Southeastern Pennsylvania Transp. | 4 | --- | 1 | --- | --- | --- | 4 | --- | 1 |
| Southern Pacific Transp. Co. | 236 | 23 | 92 | 10 | 2 | 6 | 246 | 25 | 98 |
| Southern Pacific, Chicago-St. Louis Corp. | 8 | --- | --- | --- | --- | --- | 8 | --- | --- |
| Springfield Terminal Railway Co. | 6 | --- | 3 | 1 | --- | --- | 7 | --- | 3 |
| St. Louis Southwestern Railway Co. | 76 | 19 | 37 | 1 | --- | --- | 77 | 19 | 37 |
| Terminal Railroad Assoc. of St. Louis | 3 | --- | --- | --- | --- | --- | 3 | --- | --- |
| Texas Mexican Railway Co. | 6 | 1 | 2 | --- | --- | --- | 6 | 1 | 2 |
| Union Pacific Railroad Co. | 564 | 78 | 229 | 27 | 12 | 7 | 591 | 90 | 236 |
| Union Railroad Company (Pittsburgh) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Wheeling & Lake Erie Railway Co. | 30 | 2 | 21 | --- | --- | --- | 30 | 2 | 21 |
| Wisconsin Central Ltd. | 84 | 8 | 35 | 4 | --- | 1 | 88 | 8 | 36 |
| All Other Railroads..... | 398 | 15 | 142 | 12 | 3 | 3 | 410 | 18 | 145 |
| Total..... | 4,296 | 501 | 1,764 | 207 | 71 | 65 | 4,503 | 572 | 1,829 |

**TABLE 8. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY WARNING DEVICE, 1994**

| State | Gates | Flashing Lights | Hwy Sig. Wigwags Bells | Special | Cross- Bucks | Stop Signs | Other Signs | No Signs Or Signals | Total |
|-------------------|-------|--------------------|------------------------------|---------|-----------------|---------------|----------------|---------------------------|-------|
| Alabama..... | 9 | 35 | 6 | 1 | 85 | 31 | --- | --- | 167 |
| Alaska..... | --- | 3 | --- | --- | --- | --- | --- | --- | 3 |
| Arizona..... | 11 | 9 | --- | 1 | 2 | --- | --- | --- | 23 |
| Arkansas..... | 24 | 36 | --- | --- | 70 | 3 | --- | 1 | 134 |
| California..... | 95 | 26 | 5 | 7 | 23 | 6 | --- | 1 | 163 |
| Colorado..... | 6 | 9 | 2 | --- | 17 | 7 | --- | --- | 41 |
| Connecticut..... | 2 | 1 | --- | --- | --- | 1 | --- | --- | 4 |
| Delaware..... | 1 | 3 | --- | --- | 1 | --- | --- | --- | 5 |
| Dist. of Columbia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Florida..... | 67 | 18 | 1 | 1 | 13 | 4 | --- | --- | 104 |
| Georgia..... | 52 | 13 | 2 | 1 | 56 | 20 | --- | --- | 144 |
| Idaho..... | 1 | 3 | 2 | 1 | 17 | 14 | --- | --- | 38 |
| Illinois..... | 104 | 72 | 1 | 3 | 84 | 4 | --- | 8 | 276 |
| Indiana..... | 66 | 87 | 8 | 1 | 78 | 22 | --- | 3 | 265 |
| Iowa..... | 18 | 36 | 2 | 1 | 82 | 9 | --- | 4 | 152 |
| Kansas..... | 21 | 9 | --- | 1 | 53 | 4 | --- | 1 | 89 |
| Kentucky..... | 17 | 32 | 3 | 2 | 23 | 1 | --- | 2 | 80 |
| Louisiana..... | 26 | 68 | 7 | 1 | 88 | 4 | --- | 2 | 196 |
| Maine..... | --- | 4 | --- | --- | 1 | --- | --- | --- | 5 |
| Maryland..... | 2 | 2 | 1 | 2 | 3 | 2 | --- | --- | 12 |
| Massachusetts.... | 6 | 7 | --- | 1 | 1 | --- | --- | --- | 15 |
| Michigan..... | 25 | 56 | --- | 1 | 38 | 23 | --- | --- | 143 |
| Minnesota..... | 10 | 35 | --- | --- | 46 | 40 | --- | 1 | 132 |
| Mississippi..... | 8 | 51 | 1 | --- | 80 | 16 | --- | 2 | 158 |
| Missouri..... | 18 | 25 | 1 | 2 | 59 | 6 | --- | --- | 111 |
| Montana..... | 2 | 1 | --- | --- | 7 | 8 | --- | --- | 18 |
| Nebraska..... | 14 | 7 | --- | --- | 42 | 9 | --- | 1 | 73 |
| Nevada..... | 3 | --- | --- | --- | 1 | --- | --- | --- | 4 |
| New Hampshire.... | 1 | --- | --- | --- | 1 | --- | --- | --- | 2 |
| New Jersey..... | 10 | 13 | --- | 3 | 1 | 1 | 1 | 1 | 30 |
| New Mexico..... | 5 | 4 | --- | --- | 8 | --- | --- | --- | 17 |
| New York..... | 20 | 5 | --- | 2 | 6 | --- | --- | --- | 33 |
| North Carolina... | 29 | 31 | 2 | 1 | 73 | 1 | --- | 2 | 139 |
| North Dakota..... | 2 | 4 | --- | --- | 8 | 4 | --- | --- | 18 |
| Ohio..... | 39 | 43 | 5 | 1 | 123 | 9 | 1 | 4 | 225 |
| Oklahoma..... | 13 | 23 | 1 | --- | 67 | 7 | --- | --- | 111 |
| Oregon..... | 10 | 3 | 1 | 2 | 12 | 9 | --- | 1 | 38 |
| Pennsylvania..... | 18 | 23 | 2 | 1 | 20 | 2 | 1 | 5 | 72 |
| Rhode Island..... | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Carolina... | 12 | 28 | 5 | 4 | 28 | 8 | --- | --- | 85 |
| South Dakota..... | --- | 8 | 1 | --- | 11 | 8 | --- | --- | 28 |
| Tennessee..... | 16 | 27 | 3 | --- | 47 | 2 | --- | 1 | 96 |
| Texas..... | 120 | 113 | 3 | 3 | 233 | 18 | --- | 4 | 494 |
| Utah..... | 6 | 2 | --- | --- | 17 | --- | --- | --- | 25 |
| Vermont..... | --- | 1 | --- | 1 | --- | --- | 1 | --- | 3 |
| Virginia..... | 16 | 24 | 1 | 2 | 9 | 1 | --- | --- | 53 |
| Washington..... | 13 | 14 | --- | 1 | 23 | 6 | --- | 1 | 58 |
| West Virginia.... | 10 | 14 | 1 | --- | 13 | 2 | --- | --- | 40 |
| Wisconsin..... | 9 | 69 | 4 | --- | 73 | 13 | --- | --- | 168 |
| Wyoming..... | 2 | 1 | --- | --- | 3 | --- | --- | --- | 6 |
| Unknown..... | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 959 | 1,098 | 71 | 48 | 1,746 | 325 | 4 | 45 | 4,296 |

Note: "Special" are crossings protected by watchmen or members of train crew.

**TABLE 9. ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY HIGHWAY USER, 1994**

| Type Of Vehicle | ----Acc/Inc---- | | -----Killed----- | | ----Injured---- | | Fatal Acc/Inc | Injury Acc/Inc |
|-------------------|-----------------|--------|------------------|--------|-----------------|--------|------------------|-------------------|
| | No. | % | No. | % | No. | % | | |
| Automobile..... | 2,749 | 61.05 | 358 | 62.59 | 1,089 | 59.54 | 284 | 774 |
| Truck..... | 1,079 | 23.96 | 122 | 21.33 | 457 | 24.99 | 104 | 348 |
| Truck-trailer.... | 441 | 9.79 | 12 | 2.10 | 210 | 11.48 | 12 | 95 |
| Bus..... | 3 | .07 | --- | --- | 2 | .11 | --- | 2 |
| School bus..... | 3 | .07 | --- | --- | 2 | .11 | --- | 1 |
| Motorcycle..... | 21 | .47 | 9 | 1.57 | 4 | .22 | 8 | 4 |
| Pedestrian..... | 76 | 1.69 | 49 | 8.57 | 30 | 1.64 | 49 | 27 |
| Other..... | 131 | 2.91 | 22 | 3.85 | 35 | 1.91 | 20 | 31 |
| Total..... | 4,503 | 100.00 | 572 | 100.00 | 1,829 | 100.00 | 477 | 1,282 |

**TABLE 10. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY CIRCUMSTANCE, 1994**

| Circumstance | ----Acc/Inc---- | | -----Killed----- | | ----Injured---- | | Fatal Acc/Inc | Injury Acc/Inc |
|-------------------|-----------------|--------|------------------|--------|-----------------|--------|------------------|-------------------|
| | No. | % | No. | % | No. | % | | |
| Struck by consist | 3,161 | 73.58 | 424 | 84.63 | 1,265 | 71.71 | 341 | 845 |
| Ran into consist. | 1,135 | 26.42 | 77 | 15.37 | 499 | 28.29 | 67 | 379 |
| Total..... | 4,296 | 100.00 | 501 | 100.00 | 1,764 | 100.00 | 408 | 1,224 |

**TABLE 11. ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS BY
TYPE OF VEHICLE AND NUMBER OF OCCUPANTS, 1994**

| Vehicle | # of A/I | # of Occupants | Occupants | | Killed | | Injured | | Vehicle Damage | Damage Per A/I |
|---------------|-------------|-------------------|-----------|--------|---------|---------|---------|------------|-------------------|-------------------|
| | | | Per A/I | Killed | Per A/I | injured | Per A/I | | | |
| Automobile... | 2,749 | 3,425 | 1.25 | 358 | .13 | 1,075 | .39 | 6,560,147 | 2,386 | |
| Truck..... | 1,079 | 1,261 | 1.17 | 122 | .11 | 442 | .41 | 4,983,806 | 4,619 | |
| Truck-trailer | 441 | 410 | .93 | 11 | .02 | 67 | .15 | 4,972,413 | 11,275 | |
| Bus..... | 3 | 2 | .67 | 0 | .00 | 0 | .00 | 203,500 | 67,833 | |
| School bus... | 3 | 3 | 1.00 | 0 | .00 | 2 | .67 | | | |
| Motorcycle... | 21 | 19 | .90 | 9 | .43 | 4 | .19 | 19,500 | 929 | |
| Total | 4,296 | 5,120 | 1.19 | 500 | .12 | 1,590 | .37 | 16,739,366 | 3,897 | |

TABLE 12. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY CIRCUMSTANCE, 1994

| Type Of Vehicle | -----Dawn----- | | | -----Day----- | | | -----Dusk----- | | | -----Dark----- | | |
|--|----------------|-----|-----|---------------|-----|-------|----------------|-----|-----|----------------|-----|-----|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| R A I L C O N S I S T S T R U C K H I G H W A Y U S E R | | | | | | | | | | | | |
| Automobile..... | 45 | 7 | 22 | 1,093 | 172 | 459 | 80 | 18 | 40 | 755 | 111 | 242 |
| Truck..... | 20 | 3 | 6 | 524 | 79 | 205 | 22 | 2 | 12 | 208 | 22 | 80 |
| Truck-trailer.... | 10 | --- | 3 | 307 | 7 | 173 | 12 | --- | --- | 73 | 1 | 18 |
| Bus..... | --- | --- | --- | 3 | --- | 2 | --- | --- | --- | --- | --- | --- |
| School bus..... | --- | --- | --- | 3 | --- | 2 | --- | --- | --- | --- | --- | --- |
| Motorcycle..... | --- | --- | --- | 5 | 2 | 1 | --- | --- | --- | 1 | --- | --- |
| Total..... | 75 | 10 | 31 | 1,935 | 260 | 842 | 114 | 20 | 52 | 1,037 | 134 | 340 |
| H I G H W A Y U S E R S T R U C K R A I L C O N S I S T | | | | | | | | | | | | |
| Automobile..... | 25 | --- | 12 | 345 | 15 | 126 | 23 | --- | 9 | 383 | 35 | 179 |
| Truck..... | 19 | 1 | 11 | 150 | 8 | 62 | 9 | --- | 3 | 127 | 7 | 78 |
| Truck-trailer.... | 1 | --- | 3 | 26 | 2 | 10 | --- | --- | --- | 12 | 2 | 3 |
| Bus..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| School bus..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Motorcycle..... | --- | --- | --- | 7 | 2 | 1 | 1 | 1 | --- | 7 | 4 | 2 |
| Total..... | 45 | 1 | 26 | 528 | 27 | 199 | 33 | 1 | 12 | 529 | 48 | 262 |
| G R A N D T O T A L | | | | | | | | | | | | |
| Automobile..... | 70 | 7 | 34 | 1,438 | 187 | 585 | 103 | 18 | 49 | 1,138 | 146 | 421 |
| Truck..... | 39 | 4 | 17 | 674 | 87 | 267 | 31 | 2 | 15 | 335 | 29 | 158 |
| Truck-trailer.... | 11 | --- | 6 | 333 | 9 | 183 | 12 | --- | --- | 85 | 3 | 21 |
| Bus..... | --- | --- | --- | 3 | --- | 2 | --- | --- | --- | --- | --- | --- |
| School bus..... | --- | --- | --- | 3 | --- | 2 | --- | --- | --- | --- | --- | --- |
| Motorcycle..... | --- | --- | --- | 12 | 4 | 2 | 1 | 1 | --- | 8 | 4 | 2 |
| Total..... | 120 | 11 | 57 | 2,463 | 287 | 1,041 | 147 | 21 | 64 | 1,566 | 182 | 602 |

**TABLE 13. ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY TYPE OF PERSON, 1994**

| Type Of Vehicle | ---EOD--- | | ---ENOD--- | | ---PSGR--- | | ---NONT--- | | ---TRES--- | | ---CONT--- | | -----Total----- | | |
|--|-----------|-----|------------|-----|------------|-----|------------|-------|------------|-----|------------|-----|-----------------|-------|-------|
| | Kld | Inj | Kld | Inj | Kld | Inj | Kld | Inj | Kld | Inj | Kld | Inj | Kld | Inj | A/I |
| R A I L C O N S I S T S T R U C K H I G H W A Y U S E R | | | | | | | | | | | | | | | |
| Automobile..... | --- | 10 | --- | --- | --- | 2 | 227 | 605 | 81 | 146 | --- | --- | 308 | 763 | 1,973 |
| Truck..... | --- | 13 | --- | --- | --- | --- | 92 | 245 | 14 | 45 | --- | --- | 106 | 303 | 774 |
| Truck-trailer.... | --- | 64 | --- | --- | --- | 76 | 8 | 42 | --- | 12 | --- | --- | 8 | 194 | 402 |
| Bus..... | --- | 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2 | 3 |
| School bus..... | --- | --- | --- | --- | --- | --- | --- | 2 | --- | --- | --- | --- | --- | 2 | 3 |
| Motorcycle..... | --- | --- | --- | --- | --- | --- | 1 | --- | 1 | 1 | --- | --- | 2 | 1 | 6 |
| Pedestrian..... | --- | 3 | --- | --- | --- | --- | 19 | 11 | 27 | 13 | --- | --- | 46 | 27 | 70 |
| Other..... | --- | 5 | --- | --- | --- | --- | 11 | 22 | 8 | 3 | --- | --- | 19 | 30 | 116 |
| Total..... | --- | 97 | --- | --- | --- | 78 | 358 | 927 | 131 | 220 | --- | --- | 489 | 1,322 | 3,347 |
| H I G H W A Y U S E R S T R U C K R A I L C O N S I S T | | | | | | | | | | | | | | | |
| Automobile..... | --- | 3 | --- | --- | --- | --- | 38 | 275 | 12 | 48 | --- | --- | 50 | 326 | 776 |
| Truck..... | --- | 2 | --- | --- | --- | --- | 15 | 125 | 1 | 27 | --- | --- | 16 | 154 | 305 |
| Truck-trailer.... | 1 | 3 | --- | --- | --- | --- | --- | 8 | 3 | 5 | --- | --- | 4 | 16 | 39 |
| Bus..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| School bus..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Motorcycle..... | --- | --- | --- | --- | --- | --- | 7 | 2 | --- | 1 | --- | --- | 7 | 3 | 15 |
| Pedestrian..... | --- | --- | --- | --- | --- | --- | 2 | --- | 1 | 3 | --- | --- | 3 | 3 | 6 |
| Other..... | --- | 1 | --- | --- | --- | --- | 1 | 3 | 2 | 1 | --- | --- | 3 | 5 | 15 |
| Total..... | 1 | 9 | --- | --- | --- | --- | 63 | 413 | 19 | 85 | --- | --- | 83 | 507 | 1,156 |
| G R A N D T O T A L | | | | | | | | | | | | | | | |
| Automobile..... | --- | 13 | --- | --- | --- | 2 | 265 | 880 | 93 | 194 | --- | --- | 358 | 1,089 | 2,749 |
| Truck..... | --- | 15 | --- | --- | --- | --- | 107 | 370 | 15 | 72 | --- | --- | 122 | 457 | 1,079 |
| Truck-trailer.... | 1 | 67 | --- | --- | --- | 76 | 8 | 50 | 3 | 17 | --- | --- | 12 | 210 | 441 |
| Bus..... | --- | 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2 | 3 |
| School bus..... | --- | --- | --- | --- | --- | --- | --- | 2 | --- | --- | --- | --- | --- | 2 | 3 |
| Motorcycle..... | --- | --- | --- | --- | --- | --- | 8 | 2 | 1 | 2 | --- | --- | 9 | 4 | 21 |
| Pedestrian..... | --- | 3 | --- | --- | --- | --- | 21 | 11 | 28 | 16 | --- | --- | 49 | 30 | 76 |
| Other..... | --- | 6 | --- | --- | --- | --- | 12 | 25 | 10 | 4 | --- | --- | 22 | 35 | 131 |
| Total..... | 1 | 106 | --- | --- | --- | 78 | 421 | 1,340 | 150 | 305 | --- | --- | 572 | 1,829 | 4,503 |

Note: EOD = Employee on duty ENOD = Employee not on duty
PSGR = Passenger on train NONT = Nontrespasser
TRES = Trespasser CONT = Contractor employee

**TABLE 14. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY VEHICLE SPEED, CIRCUMSTANCE, AND VISIBILITY, 1994**

| Speed Of Vehicle | -----Dawn----- | | | -----Day----- | | | -----Dusk----- | | | -----Dark----- | | | -----Total----- | | |
|--|----------------|-----|-----|---------------|-----|-------|----------------|-----|-----|----------------|-----|-----|-----------------|-----|-------|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| R A I L C O N S I S T S T R U C K H I G H W A Y U S E R | | | | | | | | | | | | | | | |
| Standing..... | 26 | --- | 3 | 595 | 28 | 150 | 28 | 1 | 5 | 408 | 17 | 61 | 1,057 | 46 | 219 |
| 1-9..... | 19 | 7 | 10 | 471 | 71 | 166 | 24 | 4 | 9 | 157 | 23 | 47 | 671 | 105 | 232 |
| 10-19..... | 9 | 1 | 7 | 393 | 64 | 198 | 28 | 5 | 20 | 181 | 26 | 88 | 611 | 96 | 313 |
| 20-29..... | 8 | 1 | 5 | 206 | 45 | 103 | 16 | --- | 11 | 119 | 14 | 56 | 349 | 60 | 175 |
| 30-39..... | 5 | --- | 2 | 112 | 19 | 56 | 6 | 4 | 2 | 64 | 17 | 37 | 187 | 40 | 97 |
| 40-49..... | 1 | --- | 1 | 47 | 5 | 29 | 2 | 4 | 1 | 25 | 7 | 12 | 75 | 16 | 43 |
| 50-59..... | 1 | --- | 1 | 17 | 6 | 20 | --- | --- | --- | 16 | 7 | 13 | 34 | 13 | 34 |
| 60 and over..... | --- | --- | --- | 4 | 3 | --- | --- | --- | --- | 1 | 1 | 1 | 5 | 4 | 1 |
| Unknown..... | 6 | 1 | 2 | 90 | 19 | 120 | 10 | 2 | 4 | 66 | 22 | 25 | 172 | 44 | 151 |
| Total..... | 75 | 10 | 31 | 1,935 | 260 | 842 | 114 | 20 | 52 | 1,037 | 134 | 340 | 3,161 | 424 | 1,265 |
| H I G H W A Y U S E R S T R U C K R A I L C O N S I S T | | | | | | | | | | | | | | | |
| Standing..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1-9..... | 12 | --- | 5 | 102 | 1 | 28 | 6 | --- | --- | 95 | 1 | 27 | 215 | 2 | 60 |
| 10-19..... | 7 | --- | 2 | 136 | 1 | 41 | 7 | --- | 2 | 114 | 2 | 32 | 264 | 3 | 77 |
| 20-29..... | 7 | --- | 4 | 111 | 6 | 44 | 8 | --- | --- | 100 | 6 | 59 | 226 | 12 | 107 |
| 30-39..... | 6 | 1 | 4 | 66 | 4 | 34 | 5 | 1 | 6 | 68 | 7 | 48 | 145 | 13 | 92 |
| 40-49..... | 6 | --- | 7 | 43 | 5 | 26 | 4 | --- | 2 | 48 | 16 | 30 | 101 | 21 | 65 |
| 50-59..... | 2 | --- | 1 | 26 | 4 | 14 | 1 | --- | 1 | 41 | 10 | 36 | 70 | 14 | 52 |
| 60 and over..... | --- | --- | --- | 9 | 4 | 6 | --- | --- | --- | 7 | 4 | 4 | 16 | 8 | 10 |
| Unknown..... | 5 | --- | 3 | 35 | 2 | 6 | 2 | --- | 1 | 56 | 2 | 26 | 98 | 4 | 36 |
| Total..... | 45 | 1 | 26 | 528 | 27 | 199 | 33 | 1 | 12 | 529 | 48 | 262 | 1,135 | 77 | 499 |
| G R A N D T O T A L | | | | | | | | | | | | | | | |
| Standing..... | 26 | --- | 3 | 595 | 28 | 150 | 28 | 1 | 5 | 408 | 17 | 61 | 1,057 | 46 | 219 |
| 1-9..... | 31 | 7 | 15 | 573 | 72 | 194 | 30 | 4 | 9 | 252 | 24 | 74 | 886 | 107 | 292 |
| 10-19..... | 16 | 1 | 9 | 529 | 65 | 239 | 35 | 5 | 22 | 295 | 28 | 120 | 875 | 99 | 390 |
| 20-29..... | 15 | 1 | 9 | 317 | 51 | 147 | 24 | --- | 11 | 219 | 20 | 115 | 575 | 72 | 282 |
| 30-39..... | 11 | 1 | 6 | 178 | 23 | 90 | 11 | 5 | 8 | 132 | 24 | 85 | 332 | 53 | 189 |
| 40-49..... | 7 | --- | 8 | 90 | 10 | 55 | 6 | 4 | 3 | 73 | 23 | 42 | 176 | 37 | 108 |
| 50-59..... | 3 | --- | 2 | 43 | 10 | 34 | 1 | --- | 1 | 57 | 17 | 49 | 104 | 27 | 86 |
| 60 and over..... | --- | --- | --- | 13 | 7 | 6 | --- | --- | --- | 8 | 5 | 5 | 21 | 12 | 11 |
| Unknown..... | 11 | 1 | 5 | 125 | 21 | 126 | 12 | 2 | 5 | 122 | 24 | 51 | 270 | 48 | 187 |
| Total..... | 120 | 11 | 57 | 2,463 | 287 | 1,041 | 147 | 21 | 64 | 1,566 | 182 | 602 | 4,296 | 501 | 1,764 |

**TABLE 15. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY POSITION AND TYPE OF VEHICLE, 1994**

| Vehicle | -----Position On Crossing----- | | | | | | | | |
|-------------------|--------------------------------|-----|-----|----------------|-----|-----|-----------------|-----|-------|
| | --Stalled On-- | | | --Stopped On-- | | | --Moving Over-- | | |
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| Automobile..... | 230 | 9 | 30 | 480 | 29 | 132 | 2,039 | 320 | 927 |
| Truck..... | 66 | 1 | 4 | 145 | 5 | 28 | 868 | 116 | 425 |
| Truck-trailer.... | 36 | --- | 3 | 92 | 1 | 19 | 313 | 11 | 188 |
| Bus..... | 1 | --- | 1 | 1 | --- | 1 | 1 | --- | --- |
| School bus..... | 1 | --- | --- | --- | --- | --- | 2 | --- | 2 |
| Motorcycle..... | 1 | 1 | --- | 4 | --- | 1 | 16 | 8 | 3 |
| Total..... | 335 | 11 | 38 | 722 | 35 | 181 | 3,239 | 455 | 1,545 |

**TABLE 16. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY CONSIST SPEED CIRCUMSTANCE, AND VISIBILITY, 1994**

| Speed Of Consist | -----Dawn----- | | | -----Day----- | | | -----Dusk----- | | | -----Dark----- | | | -----Total----- | | |
|--|----------------|-----|-----|---------------|-----|-------|----------------|-----|-----|----------------|-----|-----|-----------------|-----|-------|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| R A I L C O N S I S T S T R U C K H I G H W A Y U S E R | | | | | | | | | | | | | | | |
| Standing..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1-9..... | 14 | --- | 3 | 312 | 1 | 40 | 19 | --- | 4 | 180 | 1 | 33 | 525 | 2 | 80 |
| 10-19..... | 10 | --- | 4 | 278 | 1 | 96 | 13 | 1 | --- | 162 | 3 | 71 | 463 | 5 | 171 |
| 20-29..... | 7 | --- | 5 | 328 | 9 | 211 | 14 | --- | 7 | 198 | 9 | 76 | 547 | 18 | 299 |
| 30-39..... | 15 | 3 | 9 | 340 | 39 | 166 | 31 | 1 | 25 | 170 | 28 | 65 | 556 | 71 | 265 |
| 40-49..... | 17 | 2 | 7 | 392 | 98 | 205 | 17 | 2 | 12 | 199 | 42 | 70 | 625 | 144 | 294 |
| 50-59..... | 7 | 1 | 2 | 181 | 65 | 86 | 13 | 8 | 2 | 85 | 35 | 12 | 286 | 109 | 102 |
| 60-69..... | 2 | --- | 1 | 76 | 38 | 28 | 6 | 8 | 2 | 33 | 12 | 10 | 117 | 58 | 41 |
| 70-79..... | 3 | 4 | --- | 27 | 9 | 10 | 1 | --- | --- | 10 | 4 | 3 | 41 | 17 | 13 |
| 80-89..... | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| 90 and over..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Unknown..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 75 | 10 | 31 | 1,935 | 260 | 842 | 114 | 20 | 52 | 1,037 | 134 | 340 | 3,161 | 424 | 1,265 |
| H I G H W A Y U S E R S T R U C K R A I L C O N S I S T | | | | | | | | | | | | | | | |
| Standing..... | 4 | 1 | 3 | 16 | --- | 3 | 2 | --- | 3 | 80 | 3 | 42 | 102 | 4 | 51 |
| 1-9..... | 8 | --- | 2 | 135 | 2 | 39 | 12 | --- | 1 | 155 | 11 | 69 | 310 | 13 | 111 |
| 10-19..... | 9 | --- | 6 | 91 | --- | 31 | 6 | --- | 5 | 99 | 2 | 53 | 205 | 2 | 95 |
| 20-29..... | 10 | --- | 6 | 92 | 4 | 36 | 5 | --- | 2 | 83 | 11 | 39 | 190 | 15 | 83 |
| 30-39..... | 9 | --- | 4 | 66 | 5 | 34 | 3 | 1 | 1 | 44 | 10 | 19 | 122 | 16 | 58 |
| 40-49..... | 2 | --- | 1 | 81 | 10 | 46 | 5 | --- | --- | 48 | 6 | 26 | 136 | 16 | 73 |
| 50-59..... | 2 | --- | 4 | 26 | 3 | 6 | --- | --- | --- | 15 | 2 | 8 | 43 | 5 | 18 |
| 60-69..... | 1 | --- | --- | 15 | 2 | 1 | --- | --- | --- | 4 | 2 | 4 | 20 | 4 | 5 |
| 70-79..... | --- | --- | --- | 6 | 1 | 3 | --- | --- | --- | 1 | 1 | 2 | 7 | 2 | 5 |
| 80-89..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90 and over..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Unknown..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 45 | 1 | 26 | 528 | 27 | 199 | 33 | 1 | 12 | 529 | 48 | 262 | 1,135 | 77 | 499 |
| G R A N D T O T A L | | | | | | | | | | | | | | | |
| Standing..... | 4 | 1 | 3 | 16 | --- | 3 | 2 | --- | 3 | 80 | 3 | 42 | 102 | 4 | 51 |
| 1-9..... | 22 | --- | 5 | 447 | 3 | 79 | 31 | --- | 5 | 335 | 12 | 102 | 835 | 15 | 191 |
| 10-19..... | 19 | --- | 10 | 369 | 1 | 127 | 19 | 1 | 5 | 261 | 5 | 124 | 668 | 7 | 266 |
| 20-29..... | 17 | --- | 11 | 420 | 13 | 247 | 19 | --- | 9 | 281 | 20 | 115 | 737 | 33 | 382 |
| 30-39..... | 24 | 3 | 13 | 406 | 44 | 200 | 34 | 2 | 26 | 214 | 38 | 84 | 678 | 87 | 323 |
| 40-49..... | 19 | 2 | 8 | 473 | 108 | 251 | 22 | 2 | 12 | 247 | 48 | 96 | 761 | 160 | 367 |
| 50-59..... | 9 | 1 | 6 | 207 | 68 | 92 | 13 | 8 | 2 | 100 | 37 | 20 | 329 | 114 | 120 |
| 60-69..... | 3 | --- | 1 | 91 | 40 | 29 | 6 | 8 | 2 | 37 | 14 | 14 | 137 | 62 | 46 |
| 70-79..... | 3 | 4 | --- | 33 | 10 | 13 | 1 | --- | --- | 11 | 5 | 5 | 48 | 19 | 18 |
| 80-89..... | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| 90 and over..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Unknown..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 120 | 11 | 57 | 2,463 | 287 | 1,041 | 147 | 21 | 64 | 1,566 | 182 | 602 | 4,296 | 501 | 1,764 |

**TABLE 17. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY RAILROAD EQUIPMENT INVOLVED, 1994**

| Type Consist | Consist Struck Vehicle | Vehicle Struck Consist | -----Part Of Consist Struck----- Lead Unit | -----Quarter----- | | | | | -----Visibility----- | | | |
|------------------------|------------------------|------------------------|---|-------------------|-----|-----|-----|---------|----------------------|-------|------|-------|
| | | | | 1 | 2 | 3 | 4 | Unknown | Dawn | Day | Dusk | Dark |
| Train (Units Pulling). | 2,738 | 823 | 516 | 139 | 63 | 45 | 51 | 9 | 94 | 2,078 | 122 | 1,267 |
| Train (Units Pushing). | 178 | 101 | 51 | 8 | 11 | 7 | 23 | 1 | 13 | 136 | 10 | 120 |
| Train (Standing)..... | --- | 87 | 18 | 22 | 16 | 15 | 12 | 4 | 4 | 9 | 3 | 71 |
| Cars (Moving)..... | 51 | 37 | 37 | --- | --- | --- | --- | --- | 2 | 80 | 2 | 4 |
| Cars (Standing)..... | --- | 10 | 9 | --- | 1 | --- | --- | --- | --- | 6 | --- | 4 |
| Light Locos (Moving).. | 194 | 70 | 64 | --- | --- | --- | 6 | --- | 7 | 152 | 10 | 95 |
| Light Locos (Standing) | --- | 6 | 5 | --- | --- | --- | 1 | --- | --- | 1 | --- | 5 |
| Other..... | --- | 1 | 1 | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| Total..... | 3,161 | 1,135 | 701 | 169 | 91 | 67 | 93 | 14 | 120 | 2,463 | 147 | 1,566 |

Note: The "Lead" unit is the first unit to occupy the crossing.

**TABLE 18. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY TRAIN SPEED AND TYPE OF TRAIN, 1994**

| Speed Of Consist | ----Freight---- | | | ---Passenger--- | | | -Yard Switching | | | -----Other----- | | | -----Total----- | | |
|------------------|-----------------|-----|-------|-----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-------|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| Standing..... | 67 | 4 | 36 | --- | --- | --- | 20 | --- | 10 | 15 | --- | 5 | 102 | 4 | 51 |
| 1-9..... | 364 | 7 | 75 | 13 | --- | 2 | 279 | 3 | 65 | 179 | 5 | 49 | 835 | 15 | 191 |
| 10-19..... | 489 | 5 | 207 | 14 | --- | --- | 73 | --- | 18 | 92 | 2 | 41 | 668 | 7 | 266 |
| 20-29..... | 632 | 27 | 278 | 24 | --- | 78 | 31 | 3 | 6 | 50 | 3 | 20 | 737 | 33 | 382 |
| 30-39..... | 612 | 79 | 299 | 25 | 2 | 10 | 5 | 2 | 1 | 36 | 4 | 13 | 678 | 87 | 323 |
| 40-49..... | 714 | 152 | 351 | 23 | 2 | 3 | 3 | 1 | --- | 21 | 5 | 13 | 761 | 160 | 367 |
| 50-59..... | 293 | 100 | 111 | 27 | 9 | 4 | 2 | 2 | --- | 7 | 3 | 5 | 329 | 114 | 120 |
| 60-69..... | 103 | 54 | 30 | 33 | 8 | 14 | --- | --- | --- | 1 | --- | 2 | 137 | 62 | 46 |
| 70-79..... | 7 | 1 | 2 | 41 | 18 | 16 | --- | --- | --- | --- | --- | --- | 48 | 19 | 18 |
| 80-89..... | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| 90 and over..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Unknown..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 3,281 | 429 | 1,389 | 201 | 39 | 127 | 413 | 11 | 100 | 401 | 22 | 148 | 4,296 | 501 | 1,764 |

Note: "Other" includes mixed trains, work trains, light locomotives, single car or cut of cars

**TABLE 19. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY LENGTH OF CONSIST, 1994**

| Number Of Cars | ----Freight---- | | | ---Passenger--- | | | -Yard Switching | | | -----Other----- | | | -----Total----- | | |
|-------------------|-----------------|-----|-------|-----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-------|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| 1-9..... | 463 | 20 | 199 | 147 | 27 | 118 | 216 | 4 | 52 | 109 | 3 | 44 | 935 | 54 | 413 |
| 10-19..... | 333 | 37 | 139 | 37 | 9 | 3 | 99 | 1 | 24 | 5 | --- | 2 | 474 | 47 | 168 |
| 20-29..... | 333 | 32 | 130 | --- | --- | --- | 33 | 2 | 8 | 4 | 2 | 4 | 370 | 36 | 142 |
| 30-39..... | 275 | 57 | 124 | --- | --- | --- | 31 | 3 | 7 | 4 | 3 | 2 | 310 | 63 | 133 |
| 40-49..... | 261 | 41 | 124 | --- | --- | --- | 8 | --- | 2 | 2 | --- | --- | 271 | 41 | 126 |
| 50-59..... | 266 | 55 | 98 | --- | --- | --- | 8 | --- | 4 | 2 | --- | --- | 276 | 55 | 102 |
| 60-69..... | 237 | 30 | 105 | 1 | --- | --- | 5 | --- | 2 | --- | --- | --- | 243 | 30 | 107 |
| 70-79..... | 231 | 42 | 93 | --- | --- | --- | 6 | 1 | 1 | 1 | --- | --- | 238 | 43 | 94 |
| 80-89..... | 192 | 23 | 73 | 1 | 1 | --- | 1 | --- | --- | 1 | --- | 2 | 195 | 24 | 75 |
| 90-99..... | 213 | 23 | 100 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 213 | 23 | 100 |
| 100-109..... | 168 | 31 | 74 | 1 | --- | 2 | 1 | --- | --- | 2 | --- | 2 | 172 | 31 | 78 |
| 110-119..... | 190 | 26 | 85 | --- | --- | --- | --- | --- | --- | 1 | --- | --- | 191 | 26 | 85 |
| 120-129..... | 45 | 5 | 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 45 | 5 | 13 |
| 130-139..... | 15 | 3 | 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 15 | 3 | 4 |
| 140-149..... | 12 | 1 | 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 12 | 1 | 7 |
| 150 And over..... | 27 | 2 | 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 27 | 2 | 8 |
| Locomotives only. | 20 | 1 | 13 | 14 | 2 | 4 | 5 | --- | --- | 270 | 14 | 92 | 309 | 17 | 109 |
| Total..... | 3,281 | 429 | 1,389 | 201 | 39 | 127 | 413 | 11 | 100 | 401 | 22 | 148 | 4,296 | 501 | 1,764 |

Note: "Other" includes mixed trains, work trains, light locomotives, single car or cut of cars.

**TABLE 20. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY LENGTH OF CONSIST AND VISIBILITY, 1994**

| Number Of Cars | -----Dawn----- | | | -----Day----- | | | -----Dusk----- | | | -----Dark----- | | | -----Total----- | | |
|---|----------------|-----|-----|---------------|-----|-------|----------------|-----|-----|----------------|-----|-----|-----------------|-----|-------|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| RAIL CONSIST STRUCK HIGHWAY USER | | | | | | | | | | | | | | | |
| 1-9..... | 10 | 4 | 3 | 455 | 30 | 232 | 23 | 6 | 7 | 162 | 7 | 53 | 650 | 47 | 295 |
| 10-19..... | 10 | 1 | 5 | 217 | 24 | 74 | 16 | --- | 8 | 103 | 13 | 27 | 346 | 38 | 114 |
| 20-29..... | 6 | 1 | 3 | 177 | 15 | 77 | 6 | 2 | 1 | 81 | 12 | 20 | 270 | 30 | 101 |
| 30-39..... | 11 | --- | 1 | 123 | 43 | 42 | 8 | 3 | 5 | 85 | 12 | 40 | 227 | 58 | 88 |
| 40-49..... | 4 | --- | --- | 115 | 21 | 56 | 5 | --- | 7 | 83 | 14 | 30 | 207 | 35 | 93 |
| 50-59..... | 3 | 2 | 2 | 119 | 30 | 42 | 12 | 6 | 3 | 75 | 10 | 25 | 209 | 48 | 72 |
| 60-69..... | 4 | --- | 4 | 97 | 21 | 45 | 6 | --- | 3 | 72 | 5 | 26 | 179 | 26 | 78 |
| 70-79..... | 2 | --- | --- | 109 | 15 | 43 | 4 | 1 | 5 | 79 | 18 | 28 | 194 | 34 | 76 |
| 80-89..... | 8 | 1 | 8 | 94 | 14 | 36 | 4 | --- | 1 | 52 | 6 | 14 | 158 | 21 | 59 |
| 90-99..... | 2 | --- | --- | 98 | 13 | 53 | 9 | --- | 7 | 53 | 4 | 17 | 162 | 17 | 77 |
| 100-109..... | 4 | 1 | 1 | 80 | 11 | 40 | 4 | --- | 3 | 39 | 14 | 17 | 127 | 26 | 61 |
| 110-119..... | 3 | --- | 1 | 79 | 14 | 45 | 4 | --- | --- | 55 | 10 | 18 | 141 | 24 | 64 |
| 120-129..... | 1 | --- | 1 | 14 | --- | 7 | 5 | 1 | --- | 14 | 1 | 3 | 34 | 2 | 11 |
| 130-139..... | 1 | --- | 1 | 6 | 1 | 2 | --- | --- | --- | 5 | 2 | --- | 12 | 3 | 3 |
| 140-149..... | --- | --- | --- | 5 | 1 | 1 | 1 | --- | --- | --- | --- | --- | 6 | 1 | 1 |
| 150 And over..... | 1 | --- | --- | 11 | 1 | 3 | --- | --- | --- | 6 | --- | 2 | 18 | 1 | 5 |
| Locomotives only. | 5 | --- | 1 | 136 | 6 | 44 | 7 | 1 | 2 | 73 | 6 | 20 | 221 | 13 | 67 |
| Total..... | 75 | 10 | 31 | 1,935 | 260 | 842 | 114 | 20 | 52 | 1,037 | 134 | 340 | 3,161 | 424 | 1,265 |
| HIGHWAY USER STRUCK RAIL CONSIST | | | | | | | | | | | | | | | |
| 1-9..... | 7 | --- | 1 | 170 | 5 | 68 | 10 | --- | 3 | 98 | 2 | 46 | 285 | 7 | 118 |
| 10-19..... | 1 | --- | 1 | 67 | 4 | 18 | 6 | 1 | 2 | 54 | 4 | 33 | 128 | 9 | 54 |
| 20-29..... | 4 | --- | 4 | 51 | 4 | 15 | 3 | --- | 1 | 42 | 2 | 21 | 100 | 6 | 41 |
| 30-39..... | 3 | --- | 2 | 30 | 2 | 14 | 1 | --- | 1 | 49 | 3 | 28 | 83 | 5 | 45 |
| 40-49..... | 4 | --- | 4 | 25 | 2 | 10 | 1 | --- | 3 | 34 | 4 | 16 | 64 | 6 | 33 |
| 50-59..... | 4 | --- | 2 | 28 | 2 | 10 | 3 | --- | --- | 32 | 5 | 18 | 67 | 7 | 30 |
| 60-69..... | 3 | --- | 1 | 21 | --- | 9 | --- | --- | --- | 40 | 4 | 19 | 64 | 4 | 29 |
| 70-79..... | 3 | 1 | 2 | 7 | --- | 2 | 1 | --- | --- | 33 | 8 | 14 | 44 | 9 | 18 |
| 80-89..... | 3 | --- | 1 | 12 | --- | 5 | --- | --- | --- | 22 | 3 | 10 | 37 | 3 | 16 |
| 90-99..... | 3 | --- | 1 | 22 | 1 | 9 | 1 | --- | --- | 25 | 5 | 13 | 51 | 6 | 23 |
| 100-109..... | 4 | --- | 4 | 19 | 2 | 7 | --- | --- | --- | 22 | 3 | 6 | 45 | 5 | 17 |
| 110-119..... | 1 | --- | 1 | 25 | 2 | 12 | 1 | --- | --- | 23 | --- | 8 | 50 | 2 | 21 |
| 120-129..... | --- | --- | --- | 5 | 1 | --- | --- | --- | --- | 6 | 2 | 2 | 11 | 3 | 2 |
| 130-139..... | 1 | --- | --- | 2 | --- | 1 | --- | --- | --- | --- | --- | --- | 3 | --- | 1 |
| 140-149..... | 1 | --- | --- | 2 | --- | 1 | --- | --- | --- | 3 | --- | 5 | 6 | --- | 6 |
| 150 And over..... | --- | --- | --- | 3 | 1 | 1 | --- | --- | --- | 6 | --- | 2 | 9 | 1 | 3 |
| Locomotives only. | 3 | --- | 2 | 39 | 1 | 17 | 6 | --- | 2 | 40 | 3 | 21 | 88 | 4 | 42 |
| Total..... | 45 | 1 | 26 | 528 | 27 | 199 | 33 | 1 | 12 | 529 | 48 | 262 | 1,135 | 77 | 499 |
| GRAND TOTAL | | | | | | | | | | | | | | | |
| 1-9..... | 17 | 4 | 4 | 625 | 35 | 300 | 33 | 6 | 10 | 260 | 9 | 99 | 935 | 54 | 413 |
| 10-19..... | 11 | 1 | 6 | 284 | 28 | 92 | 22 | 1 | 10 | 157 | 17 | 60 | 474 | 47 | 168 |
| 20-29..... | 10 | 1 | 7 | 228 | 19 | 92 | 9 | 2 | 2 | 123 | 14 | 41 | 370 | 36 | 142 |
| 30-39..... | 14 | --- | 3 | 153 | 45 | 56 | 9 | 3 | 6 | 134 | 15 | 68 | 310 | 63 | 133 |
| 40-49..... | 8 | --- | 4 | 140 | 23 | 66 | 6 | --- | 10 | 117 | 18 | 46 | 271 | 41 | 126 |
| 50-59..... | 7 | 2 | 4 | 147 | 32 | 52 | 15 | 6 | 3 | 107 | 15 | 43 | 276 | 55 | 102 |
| 60-69..... | 7 | --- | 5 | 118 | 21 | 54 | 6 | --- | 3 | 112 | 9 | 45 | 243 | 30 | 107 |
| 70-79..... | 5 | 1 | 2 | 116 | 15 | 45 | 5 | 1 | 5 | 112 | 26 | 42 | 238 | 43 | 94 |
| 80-89..... | 11 | 1 | 9 | 106 | 14 | 41 | 4 | --- | 1 | 74 | 9 | 24 | 195 | 24 | 75 |
| 90-99..... | 5 | --- | 1 | 120 | 14 | 62 | 10 | --- | 7 | 78 | 9 | 30 | 213 | 23 | 100 |
| 100-109..... | 8 | 1 | 5 | 99 | 13 | 47 | 4 | --- | 3 | 61 | 17 | 23 | 172 | 31 | 78 |
| 110-119..... | 4 | --- | 2 | 104 | 16 | 57 | 5 | --- | --- | 78 | 10 | 26 | 191 | 26 | 85 |
| 120-129..... | 1 | --- | 1 | 19 | 1 | 7 | 5 | 1 | --- | 20 | 3 | 5 | 45 | 5 | 13 |
| 130-139..... | 2 | --- | 1 | 8 | 1 | 3 | --- | --- | --- | 5 | 2 | --- | 15 | 3 | 4 |
| 140-149..... | 1 | --- | --- | 7 | 1 | 2 | 1 | --- | --- | 3 | --- | 5 | 12 | 1 | 7 |
| 150 And over..... | 1 | --- | --- | 14 | 2 | 4 | --- | --- | --- | 12 | --- | 4 | 27 | 2 | 8 |
| Locomotives only. | 8 | --- | 3 | 175 | 7 | 61 | 13 | 1 | 4 | 113 | 9 | 41 | 309 | 17 | 109 |
| Total..... | 120 | 11 | 57 | 2,463 | 287 | 1,041 | 147 | 21 | 64 | 1,566 | 182 | 602 | 4,296 | 501 | 1,764 |

TABLE 21. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS, BY TYPE AND CLASS OF TRACK, 1994

| Track Class | -----Main----- | | | -----Yard----- | | | -----Siding----- | | | ---Industry--- | | | ----Unknown---- | | | -----Total----- | | |
|--------------|----------------|-----|-------|----------------|-----|-----|------------------|-----|-----|----------------|-----|-----|-----------------|-----|-------|-----------------|-----|-------|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| 1..... | 317 | 5 | 97 | 173 | 2 | 34 | 23 | 1 | 8 | 175 | 2 | 51 | --- | --- | --- | 688 | 10 | 190 |
| 2..... | 727 | 31 | 294 | 35 | --- | 14 | 8 | --- | 1 | 17 | --- | 3 | --- | --- | --- | 787 | 31 | 312 |
| 3..... | 1,119 | 118 | 572 | 6 | 1 | 1 | 3 | --- | 4 | 5 | --- | --- | --- | --- | 1,133 | 119 | 577 | |
| 4..... | 1,434 | 298 | 600 | 3 | --- | 6 | --- | --- | --- | 2 | --- | --- | --- | --- | 1,439 | 298 | 606 | |
| 5..... | 176 | 41 | 60 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 176 | 41 | 60 |
| 6..... | 4 | 1 | 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4 | 1 | 3 |
| Unknown..... | 39 | --- | 8 | 12 | --- | --- | 3 | --- | 2 | 15 | 1 | 6 | --- | --- | --- | 69 | 1 | 16 |
| Total.... | 3,816 | 494 | 1,634 | 229 | 3 | 55 | 37 | 1 | 15 | 214 | 3 | 60 | --- | --- | --- | 4,296 | 501 | 1,764 |

TABLE 22. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS, BY WARNING DEVICE AND MOTORIST ACTION, 1994

| Warning Device | --Drove Around-- -Or Thru Gate-- | | | --Stopped And-- -Then Proceeded | | | -Did Not Stop-- | | | -----Other----- | | | ----Unknown---- | | | -----Total----- | | |
|-------------------|-------------------------------------|-----|-----|------------------------------------|-----|-----|-----------------|-----|-------|-----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-------|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| Gates..... | 580 | 95 | 228 | 3 | --- | 2 | 20 | --- | 7 | 342 | 15 | 45 | 14 | --- | 1 | 959 | 110 | 283 |
| Cantilever flshrs | --- | --- | --- | 26 | --- | 9 | 251 | 32 | 119 | 62 | 4 | 20 | --- | --- | --- | 339 | 36 | 148 |
| Standard flashers | --- | --- | --- | 57 | 2 | 20 | 538 | 61 | 302 | 156 | 2 | 28 | 8 | --- | 2 | 759 | 65 | 352 |
| Hwy Sig,W W,Bells | --- | --- | --- | 5 | --- | 1 | 44 | 3 | 21 | 21 | --- | 4 | 1 | --- | --- | 71 | 3 | 26 |
| Special Devices.. | --- | --- | --- | 4 | --- | --- | 34 | --- | 7 | 10 | --- | 1 | --- | --- | --- | 48 | --- | 8 |
| Crossbucks..... | --- | --- | --- | 79 | 17 | 33 | 1,266 | 203 | 625 | 376 | 17 | 102 | 25 | 2 | 6 | 1,746 | 239 | 766 |
| Stopsigns..... | --- | --- | --- | 28 | 4 | 11 | 226 | 38 | 136 | 68 | 3 | 28 | 3 | --- | --- | 325 | 45 | 175 |
| Other Signs..... | --- | --- | --- | --- | --- | --- | 3 | --- | 1 | 1 | --- | --- | --- | --- | --- | 4 | --- | 1 |
| No Signs Or Signl | --- | --- | --- | 3 | --- | 2 | 27 | 3 | 3 | 14 | --- | --- | 1 | --- | --- | 45 | 3 | 5 |
| Total..... | 580 | 95 | 228 | 205 | 23 | 78 | 2,409 | 340 | 1,221 | 1,050 | 41 | 228 | 52 | 2 | 9 | 4,296 | 501 | 1,764 |

Note: "Special" are crossings protected by watchmen or members of train crew.
"Hwy Sig" = Highway signals, W W = Wigwags.

TABLE 23. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS, BY OPERATIONAL STATUS OF WARNING DEVICE,CIRCUMSTANCE, AND VISIBILITY, 1994

| Warning Device | -Device Working-- | | | -----Struck By Consist----- | | | | -----Highway User----- | | | |
|-------------------|-------------------|-----|-------|-----------------------------|-------|------|-------|------------------------|-----|------|------|
| | Yes | No | N/A | Dawn | Day | Dusk | Dark | Dawn | Day | Dusk | Dark |
| Gates..... | 929 | 7 | 23 | 29 | 362 | 23 | 354 | 11 | 81 | 4 | 95 |
| Cantilever flshrs | 337 | 2 | --- | 5 | 137 | 9 | 76 | 1 | 50 | 5 | 56 |
| Standard flashers | 747 | 1 | 11 | 9 | 329 | 11 | 172 | 8 | 120 | 5 | 105 |
| Hwy Sig,W W,Bells | 71 | --- | --- | --- | 39 | 1 | 12 | 1 | 5 | 3 | 10 |
| Special Devices.. | --- | --- | 48 | --- | 9 | 1 | 11 | 2 | 5 | 2 | 18 |
| Crossbucks..... | --- | --- | 1,746 | 24 | 860 | 55 | 348 | 19 | 223 | 11 | 206 |
| Stopsigns..... | --- | --- | 325 | 8 | 171 | 12 | 50 | 3 | 43 | 3 | 35 |
| Other Signs..... | --- | --- | 4 | --- | 1 | --- | 1 | --- | 1 | --- | 1 |
| No Signs Or Signl | --- | --- | 45 | --- | 27 | 2 | 13 | --- | --- | --- | 3 |
| Total..... | 2,084 | 10 | 2,202 | 75 | 1,935 | 114 | 1,037 | 45 | 528 | 33 | 529 |

Note: If a rail consist is intentionally grounded to prevent activation of the warning device, these are reported as "N/A."

TABLE 24. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS, DURING DUSK AND DARK HOURS BY ILLUMINATION OF CROSSING AND CIRCUMSTANCE, 1994

| | Struck By Consist | | | Ran Into Consist | | | -----Total----- | | |
|-------------------|-------------------|-----|-------|------------------|-----|-----|-----------------|-----|-------|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| Lighted..... | 719 | 56 | 323 | 270 | 16 | 111 | 989 | 72 | 434 |
| Not Lighted..... | 1,777 | 272 | 736 | 625 | 47 | 296 | 2,402 | 319 | 1,032 |
| Not Reported..... | 654 | 95 | 205 | 234 | 14 | 90 | 888 | 109 | 295 |
| Total..... | 3,161 | 424 | 1,265 | 1,135 | 77 | 499 | 4,296 | 501 | 1,764 |

TABLE 25. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS, BY CROSSING PROTECTION, 1994

| Warning Device | -----Dawn----- | | | -----Day----- | | | -----Dusk----- | | | -----Dark----- | | | -----Total----- | | |
|---|----------------|-----|-----|---------------|-----|-------|----------------|-----|-----|----------------|-----|-----|-----------------|-----|-------|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| RAIL CONSIST STRUCK HIGHWAY USER | | | | | | | | | | | | | | | |
| Automatic, Both Sides..... | 42 | 5 | 13 | 848 | 91 | 344 | 42 | 7 | 15 | 604 | 70 | 189 | 1,536 | 173 | 561 |
| Automatic, Side Of Approach. | 1 | --- | --- | 17 | 2 | 5 | 1 | --- | --- | 9 | --- | 8 | 28 | 2 | 13 |
| Automatic, Opposite Side.... | --- | --- | --- | 1 | --- | --- | 1 | --- | --- | 1 | --- | --- | 3 | --- | --- |
| Automatic, Side Not Reported | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| Manual, Both Sides..... | --- | --- | --- | 7 | --- | --- | 1 | --- | --- | 10 | --- | --- | 18 | --- | --- |
| Manual, Side Of Approach.... | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| Manual, Opposite Side..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- | 1 | --- | --- |
| Manual, Side Not Reported... | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| Other, Both Sides..... | 30 | 5 | 16 | 1,001 | 162 | 477 | 63 | 10 | 37 | 389 | 64 | 140 | 1,483 | 241 | 670 |
| Other, Side Of Approach..... | 2 | --- | 2 | 22 | --- | 10 | 1 | --- | --- | 6 | --- | 1 | 31 | --- | 13 |
| Other, Opposite Side..... | --- | --- | --- | 4 | --- | 1 | 3 | 2 | --- | 2 | --- | 2 | 9 | 2 | 3 |
| Other, Side Not Reported.... | --- | --- | --- | 5 | 3 | --- | --- | --- | --- | 2 | --- | --- | 7 | 3 | --- |
| No Signs Or Signals..... | --- | --- | --- | 27 | 2 | 5 | 2 | 1 | --- | 13 | --- | --- | 42 | 3 | 5 |
| Total..... | 75 | 10 | 31 | 1,935 | 260 | 842 | 114 | 20 | 52 | 1,037 | 134 | 340 | 3,161 | 424 | 1,265 |
| HIGHWAY USER STRUCK RAIL CONSIST | | | | | | | | | | | | | | | |
| Automatic, Both Sides..... | 20 | --- | 11 | 250 | 19 | 94 | 16 | --- | 9 | 260 | 19 | 116 | 546 | 38 | 230 |
| Automatic, Side Of Approach. | 1 | --- | --- | 6 | --- | --- | --- | --- | --- | 5 | 1 | 4 | 12 | 1 | 4 |
| Automatic, Opposite Side.... | --- | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- | 1 | --- | --- |
| Automatic, Side Not Reported | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | 1 | 1 | --- | 1 |
| Manual, Both Sides..... | 2 | --- | 1 | 5 | --- | --- | 1 | --- | --- | 14 | --- | 5 | 22 | --- | 6 |
| Manual, Side Of Approach.... | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | 1 | 1 | --- | 1 |
| Manual, Opposite Side..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2 | --- | --- | 2 | --- | --- |
| Manual, Side Not Reported... | --- | --- | --- | --- | --- | 1 | --- | --- | --- | 1 | --- | 1 | 2 | --- | 1 |
| Other, Both Sides..... | 21 | 1 | 13 | 257 | 7 | 101 | 13 | 1 | 3 | 226 | 28 | 126 | 517 | 37 | 243 |
| Other, Side Of Approach..... | 1 | --- | 1 | 8 | 1 | 4 | --- | --- | --- | 13 | --- | 8 | 22 | 1 | 13 |
| Other, Opposite Side..... | --- | --- | --- | 1 | --- | --- | 1 | --- | --- | 3 | --- | --- | 5 | --- | --- |
| Other, Side Not Reported.... | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| No Signs Or Signals..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- | 3 | --- | --- |
| Total..... | 45 | 1 | 26 | 528 | 27 | 199 | 33 | 1 | 12 | 529 | 48 | 262 | 1,135 | 77 | 499 |
| GRAND TOTAL | | | | | | | | | | | | | | | |
| Automatic, Both Sides..... | 62 | 5 | 24 | 1,098 | 110 | 438 | 58 | 7 | 24 | 864 | 89 | 305 | 2,082 | 211 | 791 |
| Automatic, Side Of Approach. | 2 | --- | --- | 23 | 2 | 5 | 1 | --- | --- | 14 | 1 | 12 | 40 | 3 | 17 |
| Automatic, Opposite Side.... | --- | --- | --- | 1 | --- | --- | 2 | --- | --- | 1 | --- | --- | 4 | --- | --- |
| Automatic, Side Not Reported | --- | --- | --- | 1 | --- | --- | --- | --- | --- | 1 | --- | 1 | 2 | --- | 1 |
| Manual, Both Sides..... | 2 | --- | 1 | 12 | --- | --- | 2 | --- | --- | 24 | --- | 5 | 40 | --- | 6 |
| Manual, Side Of Approach.... | --- | --- | --- | 1 | --- | --- | --- | --- | --- | 1 | --- | 1 | 2 | --- | 1 |
| Manual, Opposite Side..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | --- | 3 | --- | --- |
| Manual, Side Not Reported... | --- | --- | --- | 1 | --- | --- | 1 | --- | --- | 1 | --- | 1 | 3 | --- | 1 |
| Other, Both Sides..... | 51 | 6 | 29 | 1,258 | 169 | 578 | 76 | 11 | 40 | 615 | 92 | 266 | 2,000 | 278 | 913 |
| Other, Side Of Approach..... | 3 | --- | 3 | 30 | 1 | 14 | 1 | --- | --- | 19 | --- | 9 | 53 | 1 | 26 |
| Other, Opposite Side..... | --- | --- | --- | 5 | --- | 1 | 4 | 2 | --- | 5 | --- | 2 | 14 | 2 | 3 |
| Other, Side Not Reported.... | --- | --- | --- | 6 | 3 | --- | --- | --- | --- | 2 | --- | --- | 8 | 3 | --- |
| No Signs Or Signals..... | --- | --- | --- | 27 | 2 | 5 | 2 | 1 | --- | 16 | --- | --- | 45 | 3 | 5 |
| Total..... | 120 | 11 | 57 | 2,463 | 287 | 1,041 | 147 | 21 | 64 | 1,566 | 182 | 602 | 4,296 | 501 | 1,764 |

Note: Automatic devices include gates, flashing lights, and other devices which are activated by the approach of a rail consist. Manual devices include "Watchmen" and "Flagged by crew". "Other" devices include crossbucks, stop signs, etc.

**TABLE 26. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY VISIBILITY AND CIRCUMSTANCE, 1994**

| Visibilty | Struck By Consist | | | Ran Into Consist | | | -----Total----- | | |
|------------|-------------------|-----|-------|------------------|-----|-----|-----------------|-----|-------|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| Dawn..... | 75 | 10 | 31 | 45 | 1 | 26 | 120 | 11 | 57 |
| Day..... | 1,935 | 260 | 842 | 528 | 27 | 199 | 2,463 | 287 | 1,041 |
| Dusk..... | 114 | 20 | 52 | 33 | 1 | 12 | 147 | 21 | 64 |
| Dark..... | 1,037 | 134 | 340 | 529 | 48 | 262 | 1,566 | 182 | 602 |
| Total..... | 3,161 | 424 | 1,265 | 1,135 | 77 | 499 | 4,296 | 501 | 1,764 |

**TABLE 27. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY TEMPERATURE AND VISIBILITY, 1994**

| Temperature | ----Struck By Consist---- | | | | ----Ran Into Consist----- | | | | -----Total----- | | | |
|-------------------|---------------------------|-------|------|-------|---------------------------|-----|------|------|-----------------|-------|------|-------|
| | Dawn | Day | Dusk | Dark | Dawn | Day | Dusk | Dark | Dawn | Day | Dusk | Dark |
| Over 100..... | --- | --- | --- | 1 | --- | 2 | --- | --- | --- | 2 | --- | 1 |
| 80 To 100..... | --- | 552 | 18 | 69 | 2 | 124 | 2 | 32 | 2 | 676 | 20 | 101 |
| 60 To 79..... | 24 | 705 | 35 | 323 | 15 | 177 | 12 | 162 | 39 | 882 | 47 | 485 |
| 40 To 59..... | 29 | 384 | 29 | 376 | 8 | 101 | 9 | 180 | 37 | 485 | 38 | 556 |
| 20 To 39..... | 16 | 217 | 23 | 192 | 13 | 79 | 7 | 111 | 29 | 296 | 30 | 303 |
| 0 To 19..... | 5 | 62 | 6 | 65 | 6 | 35 | 2 | 36 | 11 | 97 | 8 | 101 |
| -20 To -1..... | 1 | 15 | 3 | 11 | 1 | 9 | 1 | 7 | 2 | 24 | 4 | 18 |
| Under -20..... | --- | --- | --- | --- | --- | 1 | --- | 1 | --- | 1 | --- | 1 |
| Not Reported..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 75 | 1,935 | 114 | 1,037 | 45 | 528 | 33 | 529 | 120 | 2,463 | 147 | 1,566 |

**TABLE 28. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY TIME OF DAY, 1994**

| TIME | Struck By Consist | | | Ran Into Consist | | | -----Total----- | | |
|-------------------|-------------------|-----|-------|------------------|-----|-----|-----------------|-----|-------|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| MID TO 12:59 AM.. | 95 | 15 | 27 | 47 | 1 | 20 | 142 | 16 | 47 |
| 1 TO 1:59 AM... | 79 | 5 | 25 | 50 | 7 | 29 | 129 | 12 | 54 |
| 2 TO 2:59 AM... | 78 | 12 | 25 | 57 | 4 | 31 | 135 | 16 | 56 |
| 3 TO 3:59 AM... | 61 | 5 | 17 | 38 | 2 | 30 | 99 | 7 | 47 |
| 4 TO 4:59 AM... | 39 | 2 | 12 | 25 | 2 | 11 | 64 | 4 | 23 |
| 5 TO 5:59 AM... | 51 | 3 | 18 | 32 | 1 | 18 | 83 | 4 | 36 |
| 6 TO 6:59 AM... | 102 | 18 | 28 | 36 | 1 | 15 | 138 | 19 | 43 |
| 7 TO 7:59 AM... | 141 | 22 | 125 | 39 | 2 | 15 | 180 | 24 | 140 |
| 8 TO 8:59 AM... | 152 | 21 | 73 | 47 | 3 | 12 | 199 | 24 | 85 |
| 9 TO 9:59 AM... | 167 | 22 | 67 | 53 | 2 | 20 | 220 | 24 | 87 |
| 10 TO 10:59 AM. | 166 | 23 | 60 | 33 | 1 | 9 | 199 | 24 | 69 |
| 11 TO 11:59 AM. | 161 | 16 | 73 | 55 | 4 | 20 | 216 | 20 | 93 |
| NOON TO 12:59 PM. | 192 | 21 | 64 | 45 | 1 | 15 | 237 | 22 | 79 |
| 1 TO 1:59 PM... | 188 | 17 | 78 | 36 | 2 | 11 | 224 | 19 | 89 |
| 2 TO 2:59 PM... | 173 | 19 | 72 | 64 | 6 | 23 | 237 | 25 | 95 |
| 3 TO 3:59 PM... | 196 | 33 | 61 | 60 | 2 | 27 | 256 | 35 | 88 |
| 4 TO 4:59 PM... | 178 | 23 | 78 | 45 | 3 | 19 | 223 | 26 | 97 |
| 5 TO 5:59 PM... | 166 | 22 | 59 | 59 | 3 | 22 | 225 | 25 | 81 |
| 6 TO 6:59 PM... | 182 | 28 | 70 | 52 | --- | 19 | 234 | 28 | 89 |
| 7 TO 7:59 PM... | 129 | 30 | 63 | 47 | 2 | 31 | 176 | 32 | 94 |
| 8 TO 8:59 PM... | 131 | 18 | 52 | 45 | 8 | 26 | 176 | 26 | 78 |
| 9 TO 9:59 PM... | 122 | 17 | 44 | 56 | 3 | 29 | 178 | 20 | 73 |
| 10 TO 10:59 PM. | 105 | 22 | 43 | 55 | 8 | 24 | 160 | 30 | 67 |
| 11 TO 11:59 PM. | 107 | 10 | 31 | 59 | 9 | 23 | 166 | 19 | 54 |
| Unknown..... | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 3,161 | 424 | 1,265 | 1,135 | 77 | 499 | 4,296 | 501 | 1,764 |

**TABLE 29. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY MONTH AND CIRCUMSTANCE, 1994**

| Month | Struck By Consist | | | Ran Into Consist | | | -----Total----- | | |
|----------------|-------------------|-----|-------|------------------|-----|-----|-----------------|-----|-------|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| January..... | 366 | 36 | 153 | 140 | 6 | 51 | 506 | 42 | 204 |
| February..... | 293 | 44 | 115 | 118 | 5 | 53 | 411 | 49 | 168 |
| March..... | 252 | 24 | 100 | 100 | 10 | 38 | 352 | 34 | 138 |
| April..... | 229 | 24 | 83 | 90 | 2 | 44 | 319 | 26 | 127 |
| May..... | 259 | 25 | 89 | 72 | 7 | 30 | 331 | 32 | 119 |
| June..... | 238 | 32 | 170 | 80 | 2 | 35 | 318 | 34 | 205 |
| July..... | 265 | 43 | 114 | 71 | 9 | 28 | 336 | 52 | 142 |
| August..... | 257 | 43 | 113 | 87 | 7 | 34 | 344 | 50 | 147 |
| September..... | 235 | 38 | 66 | 81 | 3 | 46 | 316 | 41 | 112 |
| October..... | 240 | 31 | 85 | 85 | 1 | 46 | 325 | 32 | 131 |
| November..... | 250 | 42 | 82 | 109 | 12 | 50 | 359 | 54 | 132 |
| December..... | 277 | 42 | 95 | 102 | 13 | 44 | 379 | 55 | 139 |
| Total..... | 3,161 | 424 | 1,265 | 1,135 | 77 | 499 | 4,296 | 501 | 1,764 |

**TABLE 30. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY WEATHER CIRCUMSTANCE AND VISIBILITY, 1994**

| Weather | ----Struck By Consist---- | | | | ----Ran Into Consist----- | | | | -----Total----- | | | |
|-------------------|---------------------------|-------|------|-------|---------------------------|-----|------|------|-----------------|-------|------|-------|
| | Dawn | Day | Dusk | Dark | Dawn | Day | Dusk | Dark | Dawn | Day | Dusk | Dark |
| Clear..... | 45 | 1,363 | 64 | 655 | 25 | 362 | 16 | 308 | 70 | 1,725 | 80 | 963 |
| Cloudy..... | 14 | 423 | 35 | 219 | 7 | 83 | 9 | 113 | 21 | 506 | 44 | 332 |
| Rain..... | 4 | 107 | 8 | 110 | 3 | 46 | 4 | 52 | 7 | 153 | 12 | 162 |
| Fog..... | 9 | 11 | 1 | 18 | 6 | 14 | --- | 28 | 15 | 25 | 1 | 46 |
| Sleet..... | 1 | 1 | --- | --- | --- | 2 | --- | 3 | 1 | 3 | --- | 3 |
| Snow..... | 2 | 30 | 6 | 35 | 4 | 21 | 4 | 25 | 6 | 51 | 10 | 60 |
| Not Reported..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 75 | 1,935 | 114 | 1,037 | 45 | 528 | 33 | 529 | 120 | 2,463 | 147 | 1,566 |

**TABLE 31. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY OBSTRUCTION OF MOTORIST VIEW, CIRCUMSTANCE AND VISIBILITY, 1994**

| Type Obstruction | ----Struck By Consist---- | | | | ----Ran Into Consist----- | | | | -----Total----- | | | |
|------------------------|---------------------------|-------|------|-------|---------------------------|-----|------|------|-----------------|-------|------|-------|
| | Dawn | Day | Dusk | Dark | Dawn | Day | Dusk | Dark | Dawn | Day | Dusk | Dark |
| Permanent structure... | 1 | 39 | 3 | 15 | 1 | 15 | 2 | 4 | 2 | 54 | 5 | 19 |
| Standing RR Equipment. | --- | 16 | 1 | 7 | --- | 3 | --- | 4 | --- | 19 | 1 | 11 |
| Passing Train..... | --- | 10 | --- | 2 | --- | 1 | --- | 2 | --- | 11 | --- | 4 |
| Topography..... | --- | 16 | --- | 5 | --- | 7 | --- | 2 | --- | 23 | --- | 7 |
| Vegetation..... | --- | 36 | 3 | 7 | 2 | 17 | --- | 2 | 2 | 53 | 3 | 9 |
| Highway Vehicle..... | --- | 9 | --- | 1 | --- | 5 | --- | 2 | --- | 14 | --- | 3 |
| Other..... | --- | 10 | 3 | 8 | --- | 5 | --- | 8 | --- | 15 | 3 | 16 |
| Not Obstructed..... | 74 | 1,799 | 104 | 992 | 42 | 475 | 31 | 505 | 116 | 2,274 | 135 | 1,497 |
| Unknown..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 75 | 1,935 | 114 | 1,037 | 45 | 528 | 33 | 529 | 120 | 2,463 | 147 | 1,566 |

**TABLE 32. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY MOTORIST ACTION AND TYPE OF VEHICLE, 1994**

| Type Of Vehicle | Struck By Second Train | | | Passed Standing Vehicle | | |
|-------------------|------------------------|-------|---------|-------------------------|-------|---------|
| | Yes | No | Unknown | Yes | No | Unknown |
| Automobile..... | 53 | 2,649 | 47 | 91 | 2,439 | 219 |
| Truck..... | 16 | 1,053 | 10 | 18 | 995 | 66 |
| Truck-trailer.... | 10 | 425 | 6 | 11 | 405 | 25 |
| Bus..... | --- | 3 | --- | --- | 2 | 1 |
| School bus..... | --- | 3 | --- | --- | 3 | --- |
| Motorcycle..... | --- | 21 | --- | 1 | 19 | 1 |
| Total..... | 79 | 4,154 | 63 | 121 | 3,863 | 312 |

TABLE 33. TOTAL PUBLIC AND PRIVATE CROSSINGS BY STATE AND TYPE, 1994

| State | Public At Grade | Public RR Under | Public RR Over | Private at Grade | Private Grade Separated | Pedestrian at Grade | Pedestrian Grade Separated | Total |
|------------------|-----------------------|--------------------|-------------------|------------------------|-------------------------------|---------------------------|----------------------------------|---------|
| Alabama | 4,008 | 488 | 174 | 2,111 | 20 | 23 | 2 | 6,826 |
| Alaska | 227 | 11 | 6 | 108 | 1 | 8 | 4 | 365 |
| Arizona | 941 | 88 | 83 | 688 | 106 | 6 | 2 | 1,914 |
| Arkansas | 3,325 | 182 | 120 | 1,523 | 71 | 10 | 8 | 5,239 |
| California | 7,988 | 933 | 563 | 4,895 | 195 | 155 | 87 | 14,816 |
| Colorado | 2,076 | 205 | 115 | 1,448 | 21 | 21 | 8 | 3,894 |
| Connecticut | 370 | 323 | 252 | 261 | 37 | 0 | 31 | 1,274 |
| Delaware | 269 | 48 | 57 | 153 | 2 | 2 | 1 | 532 |
| Dist Of Columbia | 37 | 30 | 37 | 12 | 0 | 11 | 2 | 129 |
| Florida | 4,077 | 231 | 58 | 1,463 | 1 | 68 | 3 | 5,901 |
| Georgia | 6,197 | 546 | 253 | 2,790 | 7 | 41 | 5 | 9,839 |
| Hawaii | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Idaho | 1,556 | 92 | 68 | 1,422 | 12 | 10 | 3 | 3,163 |
| Illinois | 10,265 | 924 | 1,909 | 5,749 | 175 | 308 | 85 | 19,415 |
| Indiana | 6,678 | 449 | 578 | 2,902 | 89 | 68 | 13 | 10,777 |
| Iowa | 5,290 | 472 | 328 | 4,298 | 50 | 47 | 11 | 10,496 |
| Kansas | 7,912 | 349 | 208 | 4,256 | 32 | 36 | 0 | 12,793 |
| Kentucky | 2,639 | 438 | 441 | 2,830 | 102 | 54 | 24 | 6,528 |
| Louisiana | 3,770 | 226 | 117 | 3,299 | 20 | 36 | 7 | 7,475 |
| Maine | 882 | 128 | 78 | 934 | 15 | 11 | 3 | 2,051 |
| Maryland | 693 | 314 | 203 | 732 | 24 | 9 | 17 | 1,992 |
| Massachusetts | 1,192 | 795 | 436 | 538 | 52 | 19 | 84 | 3,116 |
| Michigan | 5,791 | 327 | 403 | 2,726 | 22 | 109 | 20 | 9,398 |
| Minnesota | 5,218 | 461 | 342 | 3,140 | 17 | 53 | 24 | 9,255 |
| Mississippi | 3,028 | 223 | 112 | 2,090 | 14 | 14 | 2 | 5,483 |
| Missouri | 4,872 | 637 | 411 | 3,300 | 72 | 61 | 34 | 9,387 |
| Montana | 1,533 | 137 | 82 | 2,057 | 112 | 15 | 5 | 3,941 |
| Nebraska | 4,058 | 211 | 124 | 2,824 | 39 | 14 | 4 | 7,274 |
| Nevada | 288 | 60 | 40 | 258 | 11 | 3 | 0 | 660 |
| New Hampshire | 503 | 118 | 52 | 344 | 21 | 7 | 6 | 1,051 |
| New Jersey | 1,862 | 534 | 728 | 594 | 57 | 42 | 83 | 3,900 |
| New Mexico | 815 | 70 | 79 | 595 | 44 | 2 | 2 | 1,607 |
| New York | 3,279 | 1,352 | 1,096 | 3,179 | 192 | 65 | 232 | 9,395 |
| North Carolina | 4,875 | 505 | 287 | 3,632 | 17 | 51 | 19 | 9,386 |
| North Dakota | 4,631 | 79 | 83 | 2,184 | 16 | 19 | 4 | 7,016 |
| Ohio | 6,713 | 1,070 | 1,082 | 3,955 | 198 | 34 | 56 | 13,108 |
| Oklahoma | 4,627 | 257 | 192 | 1,779 | 57 | 18 | 2 | 6,932 |
| Oregon | 2,343 | 290 | 174 | 2,878 | 113 | 90 | 12 | 5,900 |
| Pennsylvania | 5,599 | 1,547 | 1,872 | 3,450 | 239 | 126 | 199 | 13,032 |
| Rhode Island | 128 | 107 | 38 | 71 | 7 | 0 | 5 | 356 |
| South Carolina | 3,111 | 368 | 123 | 1,359 | 1 | 12 | 3 | 4,977 |
| South Dakota | 2,137 | 89 | 46 | 1,361 | 53 | 5 | 1 | 3,692 |
| Tennessee | 3,371 | 503 | 456 | 1,948 | 52 | 28 | 11 | 6,369 |
| Texas | 12,706 | 861 | 791 | 6,559 | 140 | 33 | 16 | 21,106 |
| Utah | 1,009 | 117 | 48 | 789 | 2 | 4 | 3 | 1,972 |
| Vermont | 496 | 85 | 83 | 650 | 44 | 46 | 4 | 1,408 |
| Virginia | 2,201 | 608 | 456 | 3,145 | 116 | 49 | 20 | 6,595 |
| Washington | 3,018 | 373 | 312 | 3,212 | 106 | 96 | 20 | 7,137 |
| West Virginia | 1,972 | 262 | 347 | 2,308 | 102 | 76 | 18 | 5,085 |
| Wisconsin | 4,899 | 428 | 314 | 2,984 | 86 | 108 | 42 | 8,861 |
| Wyoming | 530 | 113 | 46 | 930 | 78 | 1 | 7 | 1,705 |
| Puerto Rico | 24 | 0 | 0 | 2 | 0 | 0 | 0 | 26 |
| FINAL TOTALS | 166,035 | 19,064 | 16,303 | 106,715 | 3,060 | 2,124 | 1,254 | 314,555 |

TABLE 34. TOTAL PUBLIC AND PRIVATE CROSSINGS BY RAILROAD AND TYPE, 1994

| Railroad | Public | | | Private | | Pedestrian | | Total |
|---|----------|-----------------|----------------|----------|-------------------------|------------|----------------------------|--------|
| | At Grade | Public RR Under | Public RR Over | at Grade | Private Grade Separated | at Grade | Pedestrian Grade Separated | |
| Alaska Railroad Corporation | 223 | 11 | 6 | 108 | 1 | 8 | 4 | 361 |
| Allegheny and Eastern Railroad | 106 | 10 | 2 | 82 | 2 | 3 | 1 | 206 |
| Amtrak (National Railroad Passenger Corpora | 185 | 539 | 489 | 68 | 23 | 2 | 73 | 1,379 |
| Arkansas & Missouri Railroad Company | 251 | 7 | 14 | 92 | 5 | 0 | 0 | 369 |
| Arkansas Midland Railroad Company, Incorpor | 179 | 6 | 4 | 92 | 1 | 2 | 0 | 284 |
| Atchison, Topeka & Santa Fe Railway Company | 6,648 | 631 | 580 | 3,666 | 191 | 51 | 22 | 11,789 |
| Atlanta & Saint Andrews Bay Railway Company | 137 | 6 | 1 | 70 | 0 | 1 | 0 | 215 |
| Austin & Northwestern Railroad | 169 | 8 | 7 | 108 | 3 | 1 | 0 | 296 |
| Bangor & Aroostook Railroad | 165 | 12 | 23 | 385 | 0 | 7 | 0 | 592 |
| Bessemer & Lake Erie Railroad Company | 140 | 35 | 49 | 96 | 3 | 2 | 0 | 325 |
| Boston & Maine Corporation | 866 | 430 | 204 | 412 | 51 | 14 | 36 | 2,013 |
| Buffalo & Pittsburgh Railroad, Incorporated | 322 | 47 | 55 | 263 | 16 | 7 | 0 | 710 |
| Burlington Northern Railroad Company | 19,149 | 1,540 | 1,173 | 12,820 | 367 | 266 | 65 | 35,380 |
| Camas Prairie Railroad Company | 106 | 5 | 18 | 116 | 4 | 1 | 1 | 251 |
| Canadian Pacific Railway Company | 51 | 12 | 15 | 180 | 6 | 39 | 1 | 304 |
| Cedar Rapids & Iowa City Railway Company | 96 | 16 | 6 | 92 | 0 | 3 | 1 | 214 |
| Cedar River Railroad Company | 160 | 1 | 2 | 104 | 0 | 0 | 0 | 267 |
| Central Kansas Railway, Incorporated | 1,129 | 16 | 5 | 579 | 4 | 3 | 0 | 1,736 |
| Central Michigan Railway Company | 332 | 19 | 6 | 187 | 1 | 7 | 0 | 552 |
| Central Railroad Company Of Indianapolis | 270 | 0 | 0 | 3 | 0 | 0 | 0 | 273 |
| Central Vermont Railway, Incorporated | 193 | 63 | 56 | 223 | 14 | 3 | 8 | 560 |
| Chehalis Western | 86 | 27 | 11 | 96 | 6 | 2 | 0 | 228 |
| Chicago & North Western Transportation Comp | 5,672 | 555 | 707 | 4,184 | 151 | 109 | 51 | 11,429 |
| Chicago Missouri & Western Railway | 141 | 30 | 20 | 115 | 5 | 7 | 1 | 319 |
| Chicago, Central & Pacific Railroad Company | 888 | 88 | 79 | 701 | 49 | 15 | 12 | 1,832 |
| Columbus & Greenville Railway Company | 337 | 4 | 1 | 310 | 4 | 3 | 0 | 659 |
| Consolidated Rail Corporation | 13,068 | 3,243 | 3,469 | 7,323 | 396 | 172 | 272 | 27,943 |
| CSX Transportation | 18,465 | 2,481 | 1,787 | 11,087 | 288 | 343 | 109 | 34,560 |
| Dakota, Minnesota & Eastern Railroad | 805 | 21 | 33 | 554 | 38 | 2 | 0 | 1,453 |
| Dakota, Missouri Valley & Western Railroad, | 287 | 2 | 0 | 159 | 0 | 1 | 0 | 449 |
| Delaware & Hudson Railway Company | 311 | 81 | 93 | 446 | 30 | 16 | 9 | 986 |
| Delta Southern Railroad Company | 92 | 1 | 1 | 119 | 0 | 0 | 0 | 213 |
| Denver & Rio Grande Western Railroad Compan | 836 | 137 | 67 | 673 | 4 | 3 | 4 | 1,724 |
| Department of Defense - Other | 270 | 3 | 5 | 234 | 1 | 5 | 0 | 518 |
| Detroit & Mackinac Railway Company | 359 | 8 | 1 | 207 | 1 | 10 | 0 | 586 |
| Duluth, Missabe & Iron Range Railway Compan | 150 | 25 | 28 | 131 | 4 | 2 | 0 | 340 |
| Eastern Idaho Railroad | 353 | 7 | 4 | 269 | 2 | 0 | 0 | 635 |
| Elgin, Joliet & Eastern Railway Company | 192 | 30 | 28 | 89 | 2 | 0 | 0 | 341 |
| Escanaba & Lake Superior Railroad Company | 267 | 4 | 2 | 162 | 0 | 4 | 0 | 439 |
| Florida Central Railroad Company | 154 | 3 | 5 | 55 | 0 | 12 | 0 | 229 |
| Florida East Coast Railway Company | 714 | 33 | 6 | 114 | 0 | 13 | 0 | 880 |
| Fox Valley & Western Ltd. | 727 | 39 | 21 | 449 | 15 | 16 | 3 | 1,270 |
| Gateway Western Railway | 224 | 24 | 23 | 156 | 1 | 2 | 0 | 430 |
| Georgia Central Railroad | 220 | 9 | 4 | 87 | 0 | 2 | 0 | 322 |
| Georgia Southwestern Railroad Division | 282 | 19 | 3 | 166 | 1 | 1 | 0 | 472 |
| Grainbelt Corporation | 255 | 2 | 8 | 93 | 0 | 0 | 0 | 358 |
| Grand Trunk Western Railroad Incorporated | 1,164 | 102 | 178 | 498 | 6 | 15 | 11 | 1,974 |
| Great Western Railway Company | 85 | 3 | 1 | 127 | 0 | 0 | 1 | 217 |
| Gulf And Mississippi Railroad Corporation | 645 | 53 | 29 | 460 | 1 | 2 | 0 | 1,190 |
| Hillsdale County Railway Company, Incorpora | 127 | 3 | 2 | 68 | 3 | 0 | 0 | 203 |
| Houston Belt & Terminal Railway Company | 164 | 23 | 16 | 43 | 0 | 4 | 1 | 251 |
| Huron & Eastern Railway | 207 | 0 | 0 | 154 | 0 | 1 | 0 | 362 |
| Idaho Northern & Pacific Railroad Company | 112 | 4 | 3 | 182 | 0 | 1 | 0 | 302 |
| Illinois Central Railroad Company | 2,824 | 332 | 332 | 1,707 | 43 | 65 | 23 | 5,326 |
| Indiana & Ohio Central Railroad, Incorporat | 116 | 19 | 19 | 87 | 7 | 0 | 0 | 248 |
| Indiana Hi-Rail Corporation | 236 | 5 | 2 | 106 | 7 | 4 | 0 | 360 |
| Indiana Rail Road Company | 459 | 22 | 38 | 152 | 10 | 3 | 0 | 684 |
| Iowa Interstate Railroad | 479 | 60 | 43 | 326 | 5 | 3 | 1 | 917 |
| Iowa Northern Railway Company | 187 | 8 | 5 | 119 | 0 | 0 | 0 | 319 |
| Kankakee, Beaverville & Southern Railroad C | 164 | 1 | 7 | 60 | 2 | 0 | 0 | 234 |
| Kansas City Southern Railway Company | 1,028 | 105 | 87 | 492 | 26 | 6 | 4 | 1,748 |
| Kansas City Terminal Railway Company | 79 | 48 | 25 | 95 | 0 | 1 | 0 | 248 |
| Kansas Southwestern Railway | 408 | 6 | 2 | 163 | 0 | 0 | 0 | 579 |
| Kiamichi Railroad Company, Incorporated | 234 | 5 | 11 | 97 | 9 | 0 | 0 | 356 |
| Kyle Railroad Company | 496 | 12 | 4 | 367 | 5 | 1 | 0 | 885 |
| Lamoille Valley Railroad Company | 84 | 9 | 7 | 105 | 13 | 0 | 0 | 218 |
| Long Island Rail Road | 304 | 294 | 105 | 82 | 0 | 8 | 80 | 873 |
| Louisiana & Arkansas Railway Company | 666 | 65 | 34 | 579 | 4 | 4 | 2 | 1,354 |
| Louisiana & Delta Railroad | 208 | 1 | 0 | 173 | 0 | 0 | 0 | 382 |
| Maine Department Of Transportation | 161 | 25 | 15 | 87 | 5 | 3 | 0 | 296 |
| Maryland & Delaware Railroad Company | 92 | 1 | 0 | 137 | 0 | 0 | 1 | 231 |
| Maryland Dept. Of Transportation | 84 | 6 | 3 | 101 | 2 | 4 | 0 | 200 |
| Mass. Bay Transportation Authority | 75 | 80 | 60 | 48 | 6 | 3 | 18 | 290 |
| Mid-Atlantic Railroad Company, Incorporated | 135 | 4 | 0 | 123 | 0 | 2 | 0 | 264 |

TABLE 34. TOTAL PUBLIC AND PRIVATE CROSSINGS BY RAILROAD AND TYPE, CONT. 1994

| Railroad | Public | | | Private | | Pedestrian | | Total |
|---|----------------|-----------------|----------------|----------------|-------------------------|--------------|----------------------------|----------------|
| | At Grade | Public RR Under | Public RR Over | at Grade | Private Grade Separated | at Grade | Pedestrian Grade Separated | |
| Mid-Michigan Railroad Company | 115 | 4 | 0 | 95 | 0 | 3 | 0 | 217 |
| Midd States Port Authority | 404 | 17 | 20 | 170 | 2 | 1 | 0 | 614 |
| Midsouth Railroad Corporation (USE CODE KC | 513 | 72 | 25 | 269 | 4 | 2 | 0 | 885 |
| Missouri & Northern Arkansas Railroad Compa | 410 | 35 | 24 | 353 | 5 | 1 | 0 | 828 |
| Monongahela Railway Company | 64 | 14 | 41 | 93 | 0 | 1 | 0 | 213 |
| Montana Rail Link | 449 | 52 | 21 | 684 | 10 | 3 | 1 | 1,220 |
| MNVA Railroad, Incorporated | 103 | 2 | 0 | 101 | 0 | 1 | 0 | 207 |
| Nashville & Eastern Railroad | 199 | 11 | 11 | 151 | 6 | 2 | 0 | 380 |
| Nebraska Central Railroad | 342 | 0 | 0 | 236 | 0 | 2 | 0 | 580 |
| New Jersey Transit Rail Operations | 347 | 199 | 297 | 96 | 13 | 19 | 45 | 1,016 |
| New Orleans Lower Coast Railroad, Incorpora | 45 | 0 | 0 | 180 | 0 | 4 | 0 | 229 |
| New Orleans Public Belt Railroad | 100 | 6 | 8 | 156 | 6 | 2 | 0 | 278 |
| New York City Trans. Authority (MTA) | 30 | 143 | 42 | 15 | 9 | 0 | 39 | 278 |
| New York, Susquehanna & Western Railroad Co | 271 | 21 | 9 | 223 | 10 | 3 | 1 | 538 |
| Norfolk Southern Corporation | 17,117 | 1,999 | 1,644 | 11,503 | 243 | 106 | 45 | 32,657 |
| North Carolina Department Of Transportation | 92 | 11 | 3 | 122 | 2 | 3 | 1 | 234 |
| Northeast Kansas & Missouri | 124 | 2 | 4 | 106 | 0 | 0 | 0 | 236 |
| Ohio Central Railroad Company | 130 | 15 | 5 | 150 | 9 | 0 | 1 | 310 |
| Oklahoma Department Of Transportation | 383 | 18 | 9 | 105 | 2 | 1 | 0 | 518 |
| Oklahoma Kansas & Texas Railroad Company | 122 | 12 | 8 | 110 | 0 | 1 | 0 | 253 |
| Paducah & Louisville Railway Company | 259 | 53 | 49 | 185 | 7 | 3 | 0 | 556 |
| Pittsburgh & Lake Erie Railroad Company | 97 | 53 | 35 | 99 | 15 | 6 | 12 | 317 |
| Prairie Trunk Railway | 169 | 1 | 0 | 61 | 0 | 1 | 0 | 232 |
| Providence & Worcester Railroad Company | 196 | 73 | 49 | 123 | 6 | 0 | 6 | 453 |
| Red River Valley & Western Railroad | 761 | 5 | 1 | 316 | 0 | 0 | 0 | 1,083 |
| Seminole Gulf Railroad | 166 | 7 | 0 | 31 | 0 | 0 | 0 | 204 |
| Soo Line Railroad Company | 4,271 | 365 | 368 | 2,732 | 48 | 67 | 26 | 7,877 |
| South Carolina Central Railroad Company, In | 132 | 2 | 1 | 65 | 0 | 1 | 0 | 201 |
| South Dakota Railroad Authority | 321 | 9 | 2 | 282 | 2 | 1 | 0 | 617 |
| South Kansas & Oklahoma Railroad Company | 359 | 12 | 15 | 245 | 3 | 2 | 0 | 636 |
| South Orient Railroad Company, Ltd. | 178 | 6 | 8 | 173 | 1 | 1 | 0 | 367 |
| Southeastern Pennsylvania Transportation Au | 262 | 114 | 174 | 53 | 22 | 10 | 40 | 675 |
| Southern Pacific Transportation Company | 8,090 | 887 | 557 | 4,893 | 216 | 126 | 66 | 14,835 |
| Southern Pacific, Chicago-St. Louis Corpora | 269 | 18 | 27 | 87 | 3 | 32 | 1 | 437 |
| Springfield Terminal Railway Company (Vermo | 429 | 75 | 33 | 283 | 8 | 0 | 3 | 831 |
| St. Louis Southwestern Railway Company | 2,025 | 114 | 77 | 780 | 29 | 2 | 0 | 3,027 |
| State Subsidy | 247 | 35 | 31 | 139 | 9 | 0 | 2 | 463 |
| Tennessee Southern Railroad Company, Incorp | 134 | 18 | 11 | 65 | 2 | 0 | 1 | 231 |
| Terminal Railroad Association Of St. Louis | 141 | 40 | 26 | 12 | 1 | 0 | 0 | 220 |
| Texas & Oklahoma Railroad Company | 340 | 8 | 1 | 190 | 0 | 0 | 0 | 539 |
| Texas Mexican Railway Company | 239 | 9 | 2 | 195 | 0 | 0 | 0 | 445 |
| Texas Northeastern Division--Mid-Michigan R | 216 | 12 | 12 | 115 | 0 | 0 | 0 | 355 |
| Toledo, Peoria & Western Railway Corporatio | 438 | 12 | 3 | 270 | 0 | 6 | 0 | 729 |
| Tulare Valley Railroad Company | 324 | 2 | 5 | 232 | 3 | 4 | 0 | 570 |
| Tuscola & Saginaw Bay Railroad Company, Inc | 568 | 20 | 7 | 243 | 2 | 10 | 1 | 851 |
| Twin City & Western Railroad | 138 | 4 | 10 | 106 | 1 | 0 | 0 | 259 |
| Union Pacific Railroad Company | 16,292 | 1,454 | 902 | 10,609 | 175 | 115 | 65 | 29,612 |
| Vermont Railway, Incorporated | 95 | 17 | 11 | 148 | 10 | 4 | 0 | 285 |
| Washington Central Railroad Company | 356 | 17 | 13 | 344 | 2 | 0 | 0 | 732 |
| Wheeling & Lake Erie Railway Company | 596 | 83 | 161 | 442 | 32 | 9 | 6 | 1,329 |
| Wisconsin & Southern Railroad Company | 604 | 28 | 14 | 315 | 15 | 10 | 3 | 989 |
| Wisconsin Central Ltd. (also Railway) | 1,985 | 103 | 87 | 1,207 | 7 | 34 | 6 | 3,429 |
| All Other Railroads | 16,923 | 1,189 | 1,291 | 12,294 | 276 | 235 | 68 | 32,276 |
| FINAL TOTALS | 166,035 | 19,064 | 16,303 | 106,715 | 3,060 | 2,124 | 1,254 | 314,555 |

TABLE 35. TOTAL OF CROSSINGS BY STATE AND LOCATION: URBAN OR RURAL, 1994

| State | Urban | Rural | Total |
|-------------------|--------|---------|---------|
| Alabama..... | 1,858 | 2,150 | 4,008 |
| Alaska..... | 88 | 139 | 227 |
| Arizona..... | 470 | 471 | 941 |
| Arkansas..... | 1,289 | 2,036 | 3,325 |
| California..... | 5,820 | 2,168 | 7,988 |
| Colorado..... | 721 | 1,355 | 2,076 |
| Connecticut..... | 239 | 131 | 370 |
| Delaware..... | 73 | 196 | 269 |
| Dist of Columbia. | 37 | --- | 37 |
| Florida..... | 2,365 | 1,712 | 4,077 |
| Georgia..... | 2,198 | 3,999 | 6,197 |
| Hawaii..... | --- | 6 | 6 |
| Idaho..... | 259 | 1,297 | 1,556 |
| Illinois..... | 3,913 | 6,352 | 10,265 |
| Indiana..... | 2,888 | 3,790 | 6,678 |
| Iowa..... | 1,636 | 3,654 | 5,290 |
| Kansas..... | 1,398 | 6,514 | 7,912 |
| Kentucky..... | 702 | 1,937 | 2,639 |
| Louisiana..... | 1,657 | 2,113 | 3,770 |
| Maine..... | 236 | 646 | 882 |
| Maryland..... | 521 | 172 | 693 |
| Massachusetts.... | 843 | 349 | 1,192 |
| Michigan..... | 2,362 | 3,429 | 5,791 |
| Minnesota..... | 1,421 | 3,797 | 5,218 |
| Mississippi..... | 1,137 | 1,891 | 3,028 |
| Missouri..... | 1,578 | 3,294 | 4,872 |
| Montana..... | 281 | 1,252 | 1,533 |
| Nebraska..... | 516 | 3,542 | 4,058 |
| Nevada..... | 74 | 214 | 288 |
| New Hampshire.... | 221 | 282 | 503 |
| New Jersey..... | 1,330 | 532 | 1,862 |
| New Mexico..... | 239 | 576 | 815 |
| New York..... | 1,515 | 1,764 | 3,279 |
| North Carolina... | 2,012 | 2,863 | 4,875 |
| North Dakota..... | 252 | 4,379 | 4,631 |
| Ohio..... | 3,168 | 3,545 | 6,713 |
| Oklahoma..... | 309 | 4,318 | 4,627 |
| Oregon..... | 1,010 | 1,333 | 2,343 |
| Pennsylvania..... | 2,918 | 2,681 | 5,599 |
| Rhode Island..... | 123 | 5 | 128 |
| South Carolina... | 1,071 | 2,040 | 3,111 |
| South Dakota..... | 261 | 1,876 | 2,137 |
| Tennessee..... | 1,527 | 1,844 | 3,371 |
| Texas..... | 6,700 | 6,006 | 12,706 |
| Utah..... | 544 | 465 | 1,009 |
| Vermont..... | 165 | 331 | 496 |
| Virginia..... | 929 | 1,272 | 2,201 |
| Washington..... | 1,387 | 1,631 | 3,018 |
| West Virginia.... | 431 | 1,541 | 1,972 |
| Wisconsin..... | 1,989 | 2,910 | 4,899 |
| Wyoming..... | 80 | 450 | 530 |
| Puerto Rico..... | --- | 24 | 24 |
| Unknown..... | --- | --- | --- |
| Total..... | 64,761 | 101,274 | 166,035 |

TABLE 36. TOTAL CROSSINGS BY NUMBER OF MAIN AND OTHER TRACKS, 1994

| Other Tracks | Number of Main Tracks | | | | | | | Total |
|-----------------|-----------------------|---------|--------|-----|-----|-----|-----|---------|
| | 0 | 1 | 2 | 3 | 4 | 5 | >5 | |
| 0 | 9 | 98,852 | 9,960 | 286 | 78 | 5 | 4 | 109,194 |
| 1 | 15,909 | 21,692 | 2,722 | 76 | 18 | --- | 1 | 40,418 |
| 2 | 3,544 | 6,591 | 1,054 | 51 | 16 | 1 | 1 | 11,258 |
| 3 | 968 | 1,923 | 329 | 28 | 14 | --- | --- | 3,262 |
| 4 | 269 | 601 | 143 | 13 | 7 | 3 | 1 | 1,037 |
| 5 | 116 | 246 | 69 | 4 | 1 | 1 | 1 | 438 |
| >5 | 107 | 246 | 70 | 2 | 3 | --- | --- | 428 |
| Total | 20,922 | 130,151 | 14,347 | 460 | 137 | 10 | 8 | 166,035 |

TABLE 37. CROSSINGS BY NUMBER OF TRACKS AND WARNING DEVICE, 1994

| Warning device | Number of Tracks | | | | | | Total |
|------------------------------|------------------|--------|--------|-------|-------|-----|---------|
| | 1 | 2 | 3 | 4 | 5 | >5 | |
| Gates..... | 13,382 | 9,999 | 3,531 | 1,262 | 458 | 418 | 29,050 |
| Flashing lights..... | 21,038 | 5,539 | 1,805 | 581 | 185 | 177 | 29,325 |
| Hwy. signals, wigwags, bells | 1,021 | 411 | 148 | 47 | 20 | 14 | 1,661 |
| Special warning devices..... | 3,316 | 959 | 310 | 125 | 41 | 47 | 4,798 |
| Stop signs..... | 8,006 | 2,162 | 571 | 179 | 56 | 43 | 11,017 |
| Crossbucks..... | 62,561 | 14,938 | 3,869 | 1,110 | 320 | 252 | 83,050 |
| Other signs..... | 365 | 93 | 30 | 14 | 1 | 3 | 506 |
| No signs or signals..... | 5,072 | 1,095 | 303 | 82 | 39 | 37 | 6,628 |
| Total..... | 114,761 | 35,196 | 10,567 | 3,400 | 1,120 | 991 | 166,035 |

TABLE 38. CROSSINGS BY TRACKS AND TRAFFIC LANES, 1994

| Traffic Lanes | Number of Tracks | | | | | | Total |
|------------------|------------------|--------|--------|-------|-------|-----|---------|
| | 1 | 2 | 3 | 4 | 5 | >5 | |
| 1 | 19,933 | 4,229 | 726 | 169 | 33 | 42 | 25,132 |
| 2 | 87,581 | 28,244 | 8,941 | 2,918 | 980 | 840 | 129,504 |
| 3 | 752 | 330 | 100 | 33 | 9 | 13 | 1,237 |
| 4 | 5,621 | 2,135 | 732 | 263 | 94 | 88 | 8,933 |
| 5 | 408 | 119 | 35 | 8 | 2 | 4 | 576 |
| >5 | 466 | 139 | 33 | 9 | 2 | 4 | 653 |
| Total | 114,761 | 35,196 | 10,567 | 3,400 | 1,120 | 991 | 166,035 |

TABLE 39. TOTAL CROSSINGS BY NUMBER OF TRACKS AND STATE, 1994

| State | Number of Tracks | | | | | | Total |
|-------------------|------------------|--------|--------|-------|-------|-----|---------|
| | 1 | 2 | 3 | 4 | 5 | >5 | |
| Alabama..... | 2,873 | 719 | 284 | 73 | 27 | 32 | 4,008 |
| Alaska..... | 186 | 34 | 6 | 1 | --- | --- | 227 |
| Arizona..... | 696 | 166 | 60 | 15 | 3 | 1 | 941 |
| Arkansas..... | 2,270 | 725 | 223 | 63 | 26 | 18 | 3,325 |
| California..... | 5,472 | 1,579 | 569 | 191 | 90 | 87 | 7,988 |
| Colorado..... | 1,445 | 424 | 141 | 40 | 13 | 13 | 2,076 |
| Connecticut..... | 299 | 59 | 10 | --- | 2 | --- | 370 |
| Delaware..... | 228 | 30 | 7 | 2 | 2 | --- | 269 |
| Dist of Columbia. | 28 | 7 | 2 | --- | --- | --- | 37 |
| Florida..... | 2,576 | 1,051 | 288 | 81 | 40 | 41 | 4,077 |
| Georgia..... | 4,599 | 1,128 | 307 | 107 | 21 | 35 | 6,197 |
| Hawaii..... | 6 | --- | --- | --- | --- | --- | 6 |
| Idaho..... | 1,093 | 298 | 110 | 36 | 10 | 9 | 1,556 |
| Illinois..... | 6,318 | 2,759 | 785 | 254 | 90 | 59 | 10,265 |
| Indiana..... | 4,701 | 1,509 | 314 | 103 | 31 | 20 | 6,678 |
| Iowa..... | 3,515 | 1,146 | 422 | 133 | 36 | 38 | 5,290 |
| Kansas..... | 5,430 | 1,638 | 541 | 191 | 60 | 52 | 7,912 |
| Kentucky..... | 1,771 | 646 | 152 | 48 | 9 | 13 | 2,639 |
| Louisiana..... | 2,821 | 675 | 186 | 52 | 15 | 21 | 3,770 |
| Maine..... | 724 | 123 | 24 | 9 | 1 | 1 | 882 |
| Maryland..... | 522 | 130 | 22 | 12 | 2 | 5 | 693 |
| Massachusetts.... | 941 | 187 | 41 | 15 | 4 | 4 | 1,192 |
| Michigan..... | 4,137 | 1,194 | 279 | 104 | 38 | 39 | 5,791 |
| Minnesota..... | 3,699 | 993 | 343 | 117 | 32 | 34 | 5,218 |
| Mississippi..... | 2,089 | 609 | 204 | 78 | 22 | 26 | 3,028 |
| Missouri..... | 2,879 | 1,314 | 469 | 131 | 41 | 38 | 4,872 |
| Montana..... | 1,003 | 351 | 127 | 26 | 12 | 14 | 1,533 |
| Nebraska..... | 2,656 | 900 | 321 | 109 | 40 | 32 | 4,058 |
| Nevada..... | 198 | 64 | 16 | 4 | 1 | 5 | 288 |
| New Hampshire.... | 427 | 66 | 7 | 2 | 1 | --- | 503 |
| New Jersey..... | 1,358 | 386 | 83 | 19 | 8 | 8 | 1,862 |
| New Mexico..... | 570 | 173 | 44 | 17 | 4 | 7 | 815 |
| New York..... | 2,296 | 748 | 161 | 48 | 13 | 13 | 3,279 |
| North Carolina... | 3,627 | 832 | 267 | 87 | 31 | 31 | 4,875 |
| North Dakota..... | 3,704 | 679 | 194 | 40 | 13 | 1 | 4,631 |
| Ohio..... | 3,645 | 2,094 | 622 | 231 | 73 | 48 | 6,713 |
| Oklahoma..... | 2,998 | 1,067 | 342 | 136 | 48 | 36 | 4,627 |
| Oregon..... | 1,688 | 447 | 163 | 32 | 12 | 1 | 2,343 |
| Pennsylvania..... | 3,653 | 1,368 | 358 | 140 | 43 | 37 | 5,599 |
| Rhode Island..... | 86 | 36 | 6 | --- | --- | --- | 128 |
| South Carolina... | 2,401 | 561 | 106 | 21 | 13 | 9 | 3,111 |
| South Dakota..... | 1,685 | 288 | 116 | 35 | 6 | 7 | 2,137 |
| Tennessee..... | 2,265 | 766 | 220 | 74 | 21 | 25 | 3,371 |
| Texas..... | 9,162 | 2,413 | 709 | 262 | 83 | 77 | 12,706 |
| Utah..... | 683 | 213 | 71 | 17 | 18 | 7 | 1,009 |
| Vermont..... | 403 | 71 | 16 | 4 | --- | 2 | 496 |
| Virginia..... | 1,456 | 518 | 166 | 44 | 11 | 6 | 2,201 |
| Washington..... | 1,989 | 627 | 273 | 86 | 22 | 21 | 3,018 |
| West Virginia.... | 1,413 | 410 | 114 | 21 | 5 | 9 | 1,972 |
| Wisconsin..... | 3,707 | 856 | 235 | 70 | 23 | 8 | 4,899 |
| Wyoming..... | 351 | 114 | 41 | 19 | 4 | 1 | 530 |
| Puerto Rico..... | 19 | 5 | --- | --- | --- | --- | 24 |
| Unknown..... | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 114,761 | 35,196 | 10,567 | 3,400 | 1,120 | 991 | 166,035 |

TABLE 40. TOTAL CROSSINGS BY TYPE OF HIGHWAY SYSTEM AND STATE, 1994

| Highway System | | | | | | |
|-------------------|-----|-------|--------|--------|---------|---------|
| State | 01 | 02 | 03 | 04 | 08 | Total |
| Alabama..... | --- | 184 | 388 | 308 | 3,128 | 4,008 |
| Alaska..... | 7 | 10 | 15 | 21 | 174 | 227 |
| Arizona..... | 10 | 30 | 175 | 74 | 652 | 941 |
| Arkansas..... | 2 | 136 | 1,008 | 157 | 2,022 | 3,325 |
| California..... | --- | 933 | 1,020 | 598 | 5,437 | 7,988 |
| Colorado..... | --- | 84 | 361 | 98 | 1,533 | 2,076 |
| Connecticut..... | --- | 25 | 102 | 31 | 212 | 370 |
| Delaware..... | --- | 31 | 5 | 113 | 120 | 269 |
| Dist of Columbia. | --- | 4 | --- | 2 | 31 | 37 |
| Florida..... | 1 | 278 | 739 | 133 | 2,926 | 4,077 |
| Georgia..... | --- | 379 | 167 | 776 | 4,875 | 6,197 |
| Hawaii..... | --- | --- | --- | --- | 6 | 6 |
| Idaho..... | --- | 47 | 110 | 145 | 1,254 | 1,556 |
| Illinois..... | 1 | 621 | 1,386 | 782 | 7,475 | 10,265 |
| Indiana..... | --- | 240 | 428 | 1,140 | 4,870 | 6,678 |
| Iowa..... | 3 | 290 | 710 | 484 | 3,803 | 5,290 |
| Kansas..... | --- | 306 | 398 | 1,069 | 6,139 | 7,912 |
| Kentucky..... | 2 | 78 | 231 | 243 | 2,085 | 2,639 |
| Louisiana..... | 5 | 144 | 390 | 286 | 2,945 | 3,770 |
| Maine..... | --- | 72 | 22 | 98 | 690 | 882 |
| Maryland..... | --- | 15 | 21 | 12 | 645 | 693 |
| Massachusetts.... | --- | 116 | 316 | 121 | 639 | 1,192 |
| Michigan..... | 9 | 234 | 665 | 895 | 3,988 | 5,791 |
| Minnesota..... | 1 | 184 | 114 | 829 | 4,090 | 5,218 |
| Mississippi..... | --- | 137 | 426 | 307 | 2,158 | 3,028 |
| Missouri..... | 3 | 93 | 229 | 584 | 3,963 | 4,872 |
| Montana..... | --- | 59 | 70 | 107 | 1,297 | 1,533 |
| Nebraska..... | --- | 200 | 231 | 479 | 3,148 | 4,058 |
| Nevada..... | --- | 19 | 14 | 22 | 233 | 288 |
| New Hampshire.... | --- | 7 | 148 | 43 | 305 | 503 |
| New Jersey..... | --- | 77 | 178 | 172 | 1,435 | 1,862 |
| New Mexico..... | --- | 20 | 61 | 55 | 679 | 815 |
| New York..... | --- | 197 | 27 | 562 | 2,493 | 3,279 |
| North Carolina... | --- | 111 | 207 | 364 | 4,193 | 4,875 |
| North Dakota..... | 3 | 178 | 88 | 474 | 3,888 | 4,631 |
| Ohio..... | --- | 272 | 983 | 615 | 4,843 | 6,713 |
| Oklahoma..... | --- | 143 | 299 | 389 | 3,796 | 4,627 |
| Oregon..... | --- | 133 | 274 | 269 | 1,667 | 2,343 |
| Pennsylvania..... | 129 | 552 | 1,029 | 795 | 3,094 | 5,599 |
| Rhode Island..... | --- | 6 | 44 | 14 | 64 | 128 |
| South Carolina... | 1 | 188 | 176 | 572 | 2,174 | 3,111 |
| South Dakota..... | --- | 98 | 90 | 252 | 1,697 | 2,137 |
| Tennessee..... | --- | 104 | 467 | 120 | 2,680 | 3,371 |
| Texas..... | 82 | 100 | 153 | 34 | 12,337 | 12,706 |
| Utah..... | 1 | 15 | 5 | 134 | 854 | 1,009 |
| Vermont..... | --- | 36 | 28 | 63 | 369 | 496 |
| Virginia..... | --- | 93 | 311 | 365 | 1,432 | 2,201 |
| Washington..... | --- | 107 | 172 | 414 | 2,325 | 3,018 |
| West Virginia.... | --- | 122 | 44 | 345 | 1,461 | 1,972 |
| Wisconsin..... | --- | 314 | 767 | 410 | 3,408 | 4,899 |
| Wyoming..... | --- | 27 | 32 | 38 | 433 | 530 |
| Puerto Rico..... | --- | 6 | --- | 2 | 16 | 24 |
| Unknown..... | --- | --- | --- | --- | --- | --- |
| Total..... | 260 | 7,855 | 15,324 | 16,415 | 126,181 | 166,035 |

HIGHWAY SYSTEM CODES

CODE SYSTEM

01 Interstate
 03 Federal-aid urban
 08 Non-federal-aid

CODE SYSTEM

02 Federal-aid primary
 04 Federal-aid secondary

TABLE 41. TOTAL CROSSINGS BY HIGHWAY SYSTEM GROUP AND STATE, 1994

| State | On-State | Off-State | Total |
|-------------------|----------|-----------|---------|
| Alabama..... | 274 | 3,734 | 4,008 |
| Alaska..... | 81 | 146 | 227 |
| Arizona..... | 52 | 889 | 941 |
| Arkansas..... | 551 | 2,774 | 3,325 |
| California..... | 325 | 7,663 | 7,988 |
| Colorado..... | 234 | 1,842 | 2,076 |
| Connecticut..... | 83 | 287 | 370 |
| Delaware..... | 238 | 31 | 269 |
| Dist of Columbia. | 36 | 1 | 37 |
| Florida..... | 458 | 3,619 | 4,077 |
| Georgia..... | 722 | 5,475 | 6,197 |
| Hawaii..... | --- | 6 | 6 |
| Idaho..... | 119 | 1,437 | 1,556 |
| Illinois..... | 1,286 | 8,979 | 10,265 |
| Indiana..... | 606 | 6,072 | 6,678 |
| Iowa..... | 295 | 4,995 | 5,290 |
| Kansas..... | 418 | 7,494 | 7,912 |
| Kentucky..... | 766 | 1,873 | 2,639 |
| Louisiana..... | 847 | 2,923 | 3,770 |
| Maine..... | 171 | 711 | 882 |
| Maryland..... | 114 | 579 | 693 |
| Massachusetts.... | 45 | 1,147 | 1,192 |
| Michigan..... | 336 | 5,455 | 5,791 |
| Minnesota..... | 283 | 4,935 | 5,218 |
| Mississippi..... | 373 | 2,655 | 3,028 |
| Missouri..... | 705 | 4,167 | 4,872 |
| Montana..... | 234 | 1,299 | 1,533 |
| Nebraska..... | 308 | 3,750 | 4,058 |
| Nevada..... | 63 | 225 | 288 |
| New Hampshire.... | 112 | 391 | 503 |
| New Jersey..... | 176 | 1,686 | 1,862 |
| New Mexico..... | 179 | 636 | 815 |
| New York..... | 344 | 2,935 | 3,279 |
| North Carolina... | 3,119 | 1,756 | 4,875 |
| North Dakota.... | 219 | 4,412 | 4,631 |
| Ohio..... | 903 | 5,810 | 6,713 |
| Oklahoma..... | 360 | 4,267 | 4,627 |
| Oregon..... | 142 | 2,201 | 2,343 |
| Pennsylvania..... | 1,790 | 3,809 | 5,599 |
| Rhode Island..... | 46 | 82 | 128 |
| South Carolina... | 2,217 | 894 | 3,111 |
| South Dakota.... | 146 | 1,991 | 2,137 |
| Tennessee..... | 298 | 3,073 | 3,371 |
| Texas..... | 2,071 | 10,635 | 12,706 |
| Utah..... | 109 | 900 | 1,009 |
| Vermont..... | 111 | 385 | 496 |
| Virginia..... | 1,449 | 752 | 2,201 |
| Washington..... | 167 | 2,851 | 3,018 |
| West Virginia.... | 1,204 | 768 | 1,972 |
| Wisconsin..... | 383 | 4,516 | 4,899 |
| Wyoming..... | 73 | 457 | 530 |
| Puerto Rico..... | 19 | 5 | 24 |
| Unknown..... | --- | --- | --- |
| Total..... | 25,660 | 140,375 | 166,035 |

TABLE 42. CROSSINGS BY FUNCTIONAL CLASSIFICATION OF ROAD, 1994

| Rural | Crossings | Urban | Crossings |
|--------------------------|-----------|--------------------------|-----------|
| Interstate..... | 36 | Interstate..... | 144 |
| Other principal arterial | 1,193 | Other freeway/expressway | 372 |
| Minor arterial..... | 3,801 | Other principal arterial | 5,846 |
| Major collector..... | 11,290 | Minor arterial..... | 10,476 |
| Minor collector..... | 9,491 | Collector..... | 10,864 |
| Local..... | 75,463 | Local..... | 37,059 |
| Total..... | 101,274 | Total..... | 64,761 |

TABLE 43. TOTAL CROSSINGS BY NUMBER OF TRAFFIC LANES AND STATE, 1994

| State | Number of Lanes | | | | | | Total |
|-------------------|-----------------|---------|-------|-------|-----|-----|---------|
| | 1 | 2 | 3 | 4 | 5 | >5 | |
| Alabama..... | 785 | 2,991 | 23 | 190 | 8 | 11 | 4,008 |
| Alaska..... | 12 | 197 | 2 | 14 | 2 | --- | 227 |
| Arizona..... | 12 | 762 | 14 | 107 | 23 | 23 | 941 |
| Arkansas..... | 726 | 2,512 | 16 | 66 | 4 | | 3,325 |
| California..... | 411 | 5,503 | 176 | 1,551 | 145 | 02 | 7,988 |
| Colorado..... | 172 | 1,718 | 22 | 148 | 10 | 6 | 2,076 |
| Connecticut..... | 5 | 330 | 16 | 17 | 2 | --- | 370 |
| Delaware..... | 4 | 247 | 4 | 13 | --- | 1 | 269 |
| Dist of Columbia. | 1 | 30 | 1 | 2 | 1 | 2 | 37 |
| Florida..... | 161 | 3,361 | 82 | 367 | 32 | 74 | 4,077 |
| Georgia..... | 1,190 | 4,747 | 29 | 211 | 12 | 8 | 6,197 |
| Hawaii..... | --- | 6 | --- | --- | --- | --- | 6 |
| Idaho..... | 374 | 1,121 | 7 | 51 | 1 | 2 | 1,556 |
| Illinois..... | 2,058 | 7,471 | 58 | 641 | 15 | 22 | 10,265 |
| Indiana..... | 892 | 5,419 | 53 | 283 | 18 | 13 | 6,678 |
| Iowa..... | 621 | 4,449 | 36 | 178 | 5 | 1 | 5,290 |
| Kansas..... | 1,893 | 5,710 | 15 | 290 | 2 | 2 | 7,912 |
| Kentucky..... | 829 | 1,762 | 6 | 42 | --- | --- | 2,639 |
| Louisiana..... | 585 | 2,952 | 19 | 188 | 13 | 13 | 3,770 |
| Maine..... | 44 | 820 | 2 | 1 | 1 | --- | 882 |
| Maryland..... | 73 | 561 | 8 | 4 | 3 | 4 | 693 |
| Massachusetts.... | 43 | 1,084 | 8 | 56 | 1 | --- | 1,192 |
| Michigan..... | 349 | 4,828 | 74 | 456 | 51 | 33 | 5,791 |
| Minnesota..... | 869 | 4,076 | 17 | 252 | 3 | 1 | 5,218 |
| Mississippi..... | 381 | 2,535 | 9 | 98 | 2 | 3 | 3,028 |
| Missouri..... | 1,213 | 3,521 | 11 | 119 | 5 | 3 | 4,872 |
| Montana..... | 148 | 1,357 | 2 | 23 | 2 | 1 | 1,533 |
| Nebraska..... | 874 | 3,125 | 6 | 52 | 1 | --- | 4,058 |
| Nevada..... | 78 | 183 | 1 | 25 | --- | 1 | 288 |
| New Hampshire.... | 32 | 449 | 2 | 17 | 2 | 1 | 503 |
| New Jersey..... | 87 | 1,624 | 15 | 129 | 1 | 6 | 1,862 |
| New Mexico..... | 265 | 506 | 1 | 36 | 3 | 4 | 815 |
| New York..... | 307 | 2,838 | 19 | 110 | 2 | 3 | 3,279 |
| North Carolina... | 270 | 4,362 | 36 | 185 | 12 | 10 | 4,875 |
| North Dakota..... | 1,041 | 3,565 | 1 | 23 | 1 | --- | 4,631 |
| Ohio..... | 813 | 5,58 | 49 | 262 | 5 | 6 | 6,713 |
| Oklahoma..... | 890 | 3470 | 5 | 255 | 4 | 3 | 4,627 |
| Oregon..... | 271 | 1,918 | 47 | 81 | 24 | 2 | 2,343 |
| Pennsylvania..... | 859 | 4,416 | 119 | 177 | 2 | 26 | 5,599 |
| Rhode Island..... | 2 | 102 | --- | 24 | --- | --- | 128 |
| South Carolina... | 366 | 2,523 | 23 | 169 | 20 | 10 | 3,111 |
| South Dakota..... | 641 | 1,450 | --- | 39 | 4 | 3 | 2,137 |
| Tennessee..... | 444 | 2,706 | 31 | 152 | 31 | 7 | 3,371 |
| Texas..... | 2,222 | 9,167 | 67 | 1,085 | 58 | 17 | 12,706 |
| Utah..... | 188 | 745 | 1 | 71 | 1 | 3 | 1,009 |
| Vermont..... | 108 | 376 | 5 | 7 | --- | --- | 496 |
| Virginia..... | 29 | 2,033 | 24 | 94 | 11 | 10 | 2,201 |
| Washington..... | 266 | 2,419 | 55 | 239 | 31 | 8 | 3,018 |
| West Virginia.... | 945 | 1,009 | 7 | 9 | 1 | 1 | 1,972 |
| Wisconsin..... | 174 | 4,455 | 11 | 242 | 1 | 16 | 4,899 |
| Wyoming..... | 10 | 392 | 2 | 28 | --- | --- | 530 |
| Puerto Rico..... | 1 | 23 | --- | --- | --- | --- | 24 |
| Unknown..... | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 25,132 | 129,504 | 1,237 | 8,933 | 576 | 653 | 166,035 |

TABLE 44. CROSSINGS BY NUMBER OF TRAFFIC LANES AND WARNING DEVICE, 1994

| Warning device | Number of Traffic Lanes | | | | | | Total |
|------------------------------|-------------------------|---------|-------|-------|-----|-----|---------|
| | 1 | 2 | 3 | 4 | 5 | >5 | |
| Gates..... | 764 | 23,725 | 470 | 3,491 | 289 | 311 | 29,050 |
| Flashing lights..... | 758 | 24,743 | 352 | 3,061 | 202 | 209 | 29,325 |
| Hwy. signals, wigwags, bells | 132 | 1,248 | 45 | 193 | 15 | 28 | 1,661 |
| Special warning devices..... | 319 | 3,944 | 107 | 375 | 27 | 26 | 4,798 |
| Stop signs..... | 1,819 | 9,034 | 29 | 127 | 2 | 6 | 11,017 |
| Crossbucks..... | 19,604 | 61,787 | 183 | 1,385 | 32 | 59 | 83,050 |
| Other signs..... | 125 | 362 | 2 | 15 | --- | 2 | 506 |
| No signs or signals..... | 1,611 | 4,661 | 49 | 286 | 9 | 12 | 6,628 |
| Total..... | 25,132 | 129,504 | 1,237 | 8,933 | 576 | 653 | 166,035 |

TABLE 45. TOTAL CROSSINGS BY WARNING DEVICE CATEGORY AND STATE, 1994

| State | Warning Device Category | | | | | | | | Total |
|-------------------|-------------------------|-----------------|---------------|---------|------------|-------------|-------------|---------------------|---------|
| | Gates | Hwy.Sig. | | | Stop Signs | Cross-Bucks | Other Signs | No Signs or Signals | |
| | | Flashing Lights | Wigwags Bells | Special | | | | | |
| Alabama..... | 292 | 640 | 20 | 47 | 1,007 | 1,696 | 7 | 299 | 4,008 |
| Alaska..... | 16 | 61 | --- | 7 | 29 | 105 | --- | 9 | 227 |
| Arizona..... | 349 | 71 | 4 | 57 | 98 | 336 | --- | 26 | 941 |
| Arkansas..... | 305 | 460 | 25 | 78 | 168 | 2,153 | --- | 136 | 3,325 |
| California..... | 3,116 | 1,038 | 307 | 114 | 341 | 2,882 | 15 | 175 | 7,988 |
| Colorado..... | 333 | 276 | 42 | 27 | 233 | 1,080 | 3 | 82 | 2,076 |
| Connecticut..... | 98 | 141 | 5 | 24 | 50 | 33 | --- | 19 | 370 |
| Delaware..... | 44 | 148 | --- | 28 | 3 | 33 | --- | 13 | 269 |
| Dist of Columbia. | --- | 4 | --- | 4 | 10 | 15 | 1 | 3 | 37 |
| Florida..... | 2,065 | 682 | 14 | 97 | 162 | 983 | 7 | 67 | 4,077 |
| Georgia..... | 1,561 | 348 | 19 | 163 | 1,089 | 2,762 | 6 | 249 | 6,197 |
| Hawaii..... | --- | --- | --- | --- | 1 | 5 | --- | --- | 6 |
| Idaho..... | 99 | 200 | 9 | 8 | 519 | 676 | 1 | 44 | 1,556 |
| Illinois..... | 2,104 | 2,630 | 126 | 228 | 81 | 4,710 | 3 | 383 | 10,265 |
| Indiana..... | 1,152 | 1,674 | 101 | 176 | 732 | 2,707 | 8 | 128 | 6,678 |
| Iowa..... | 599 | 998 | 31 | 46 | 431 | 3,108 | 1 | 76 | 5,290 |
| Kansas..... | 857 | 696 | 60 | 199 | 238 | 5,715 | 2 | 145 | 7,912 |
| Kentucky..... | 365 | 814 | 14 | 57 | 50 | 1,177 | --- | 162 | 2,639 |
| Louisiana..... | 432 | 707 | 27 | 44 | 271 | 1,995 | 14 | 280 | 3,770 |
| Maine..... | 71 | 388 | --- | 80 | 18 | 325 | --- | --- | 882 |
| Maryland..... | 98 | 204 | 21 | 30 | 34 | 264 | 6 | 36 | 693 |
| Massachusetts.... | 197 | 462 | 30 | 212 | 5 | 232 | 3 | 51 | 1,192 |
| Michigan..... | 809 | 1,464 | 39 | 140 | 866 | 2,390 | 4 | 79 | 5,791 |
| Minnesota..... | 581 | 619 | 9 | 25 | 678 | 3,196 | 2 | 108 | 5,218 |
| Mississippi..... | 134 | 461 | 13 | 53 | 847 | 1,245 | 11 | 264 | 3,028 |
| Missouri..... | 477 | 1,003 | 69 | 94 | 137 | 2,855 | 1 | 236 | 4,872 |
| Montana..... | 160 | 188 | 1 | 13 | 83 | 1,058 | 1 | 29 | 1,533 |
| Nebraska..... | 568 | 305 | 12 | 15 | 281 | 2,759 | --- | 118 | 4,058 |
| Nevada..... | 108 | 25 | 1 | 4 | 6 | 139 | --- | 5 | 288 |
| New Hampshire.... | 31 | 146 | 11 | 108 | 50 | 133 | 7 | 17 | 503 |
| New Jersey..... | 402 | 659 | 17 | 236 | 18 | 407 | 2 | 121 | 1,862 |
| New Mexico..... | 193 | 95 | 5 | 9 | 13 | 474 | 5 | 21 | 815 |
| New York..... | 1,375 | 646 | 74 | 249 | 17 | 822 | 21 | 75 | 3,279 |
| North Carolina... | 1,133 | 728 | 18 | 211 | 56 | 2,384 | 9 | 336 | 4,875 |
| North Dakota..... | 337 | 123 | 1 | 1 | 78 | 3,921 | --- | 170 | 4,631 |
| Ohio..... | 1,498 | 1,452 | 44 | 78 | 183 | 3,354 | 5 | 99 | 6,713 |
| Oklahoma..... | 395 | 734 | 24 | 114 | 114 | 3,137 | 8 | 101 | 4,627 |
| Oregon..... | 548 | 141 | 46 | 91 | 453 | 894 | 44 | 126 | 2,343 |
| Pennsylvania..... | 744 | 1,265 | 109 | 653 | 141 | 1,946 | 279 | 462 | 5,599 |
| Rhode Island..... | 15 | 33 | 19 | 23 | 7 | 9 | --- | 22 | 128 |
| South Carolina... | 579 | 528 | --- | 166 | 399 | 1,413 | 1 | 25 | 3,111 |
| South Dakota..... | 18 | 173 | 2 | --- | 28 | 1,840 | --- | 76 | 2,137 |
| Tennessee..... | 307 | 639 | 19 | 198 | 178 | 1,634 | 2 | 394 | 3,371 |
| Texas..... | 2,393 | 1,982 | 76 | 107 | 226 | 7,309 | 14 | 599 | 12,706 |
| Utah..... | 166 | 168 | 5 | 86 | 61 | 442 | 5 | 76 | 1,009 |
| Vermont..... | 27 | 196 | 3 | 44 | 25 | 199 | --- | 2 | 496 |
| Virginia..... | 660 | 520 | 16 | 116 | 9 | 786 | 4 | 90 | 2,201 |
| Washington..... | 458 | 430 | 28 | 52 | 117 | 1,652 | 2 | 279 | 3,018 |
| West Virginia.... | 211 | 449 | 5 | 31 | 36 | 1,025 | 2 | 213 | 1,972 |
| Wisconsin..... | 464 | 1,384 | 135 | 136 | 308 | 2,391 | --- | 81 | 4,899 |
| Wyoming..... | 102 | 126 | 4 | 1 | 32 | 244 | --- | 21 | 530 |
| Puerto Rico..... | 4 | 1 | 1 | 18 | --- | --- | --- | --- | 24 |
| Unknown..... | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 29,050 | 29,325 | 1,661 | 4,798 | 11,017 | 83,050 | 506 | 6,628 | 166,035 |

**TABLE 46. TOTAL CROSSINGS BY WARNING DEVICE CATEGORY
AND RAILROAD, 1994**

| Railroad | Gates | Hwy. Sig. | | | | Stop Signs | Cross- Bucks | Other Signs | No Signs Or Signals | Total |
|----------|---|--------------------|------------------|---------|-------|---------------|-----------------|----------------|---------------------------|--------|
| | | Flashing Lights | Wigwags Bells | Special | | | | | | |
| ARR | Alaska Railroad Corporation | 16 | 61 | 0 | 7 | 29 | 102 | 0 | 8 | 223 |
| ALY | Allegheny and Eastern Railroad | 7 | 32 | 1 | 0 | 9 | 51 | 4 | 2 | 106 |
| ATK | Amtrak (National Railroad Passenger Corpora | 144 | 10 | 0 | 5 | 6 | 11 | 4 | 5 | 185 |
| AM | Arkansas & Missouri Railroad Company | 5 | 33 | 4 | 3 | 42 | 154 | 0 | 10 | 251 |
| AKMD | Arkansas Midland Railroad Company, Incorpor | 2 | 29 | 5 | 3 | 2 | 125 | 0 | 13 | 179 |
| ATSF | Atchison, Topeka & Santa Fe Railway Company | 2,053 | 827 | 73 | 281 | 82 | 3,303 | 5 | 24 | 6,648 |
| ASAB | Atlanta & Saint Andrews Bay Railway Company | 21 | 34 | 0 | 0 | 24 | 54 | 3 | 1 | 137 |
| AUNW | Austin & Northwestern Railroad | 29 | 26 | 1 | 0 | 2 | 98 | 0 | 13 | 169 |
| BAR | Bangor & Aroostook Railroad | 4 | 89 | 0 | 8 | 11 | 53 | 0 | 0 | 165 |
| BLE | Bessemer & Lake Erie Railroad Company | 36 | 29 | 0 | 2 | 0 | 71 | 0 | 2 | 140 |
| BM | Boston & Maine Corporation | 173 | 198 | 17 | 174 | 27 | 225 | 4 | 48 | 866 |
| BPRR | Buffalo & Pittsburgh Railroad, Incorporated | 37 | 78 | 4 | 11 | 4 | 181 | 1 | 6 | 322 |
| BN | Burlington Northern Railroad Company | 2,667 | 2,482 | 83 | 216 | 1,107 | 12,127 | 14 | 453 | 19,149 |
| CSP | Camas Prairie Railroad Company | 5 | 7 | 0 | 0 | 11 | 77 | 0 | 6 | 106 |
| CP | Canadian Pacific Railway Company | 1 | 31 | 0 | 1 | 1 | 17 | 0 | 0 | 51 |
| CIC | Cedar Rapids & Iowa City Railway Company | 1 | 35 | 0 | 7 | 1 | 46 | 0 | 6 | 96 |
| CEDR | Cedar River Railroad Company | 1 | 23 | 1 | 0 | 7 | 128 | 0 | 0 | 160 |
| CKRY | Central Kansas Railway, Incorporated | 26 | 73 | 4 | 67 | 14 | 944 | 0 | 1 | 1,129 |
| CMGN | Central Michigan Railway Company | 13 | 120 | 5 | 4 | 53 | 133 | 0 | 4 | 332 |
| CERA | Central Railroad Company Of Indianapolis | 18 | 82 | 6 | 0 | 9 | 126 | 1 | 28 | 270 |
| CV | Central Vermont Railway, Incorporated | 25 | 108 | 1 | 1 | 15 | 40 | 1 | 2 | 193 |
| CHWE | Chehalis Western | 1 | 33 | 1 | 0 | 2 | 49 | 0 | 0 | 86 |
| CNW | Chicago & North Western Transportation Comp | 713 | 1,148 | 119 | 62 | 249 | 3,216 | 1 | 164 | 5,672 |
| CMNW | Chicago Missouri & Western Railway | 2 | 32 | 12 | 0 | 1 | 88 | 0 | 6 | 141 |
| CC | Chicago, Central & Pacific Railroad Company | 69 | 259 | 11 | 31 | 41 | 453 | 0 | 24 | 888 |
| CAGY | Columbus & Greenville Railway Company | 3 | 51 | 0 | 5 | 130 | 141 | 0 | 7 | 337 |
| CR | Consolidated Rail Corporation | 2,907 | 3,481 | 174 | 1,025 | 494 | 3,995 | 262 | 730 | 13,068 |
| CSX | CSX Transportation | 4,559 | 3,955 | 82 | 539 | 1,487 | 6,995 | 20 | 828 | 18,465 |
| DME | Dakota, Minnesota & Eastern Railroad | 14 | 107 | 3 | 0 | 48 | 603 | 0 | 30 | 805 |
| DMVW | Dakota, Missouri Valley & Western Railroad, | 1 | 6 | 1 | 1 | 5 | 266 | 0 | 7 | 287 |
| DH | Delaware & Hudson Railway Company | 143 | 83 | 3 | 1 | 3 | 71 | 5 | 2 | 311 |
| DSRR | Delta Southern Railroad Company | 0 | 9 | 0 | 0 | 0 | 81 | 0 | 2 | 92 |
| DRGW | Denver & Rio Grande Western Railroad Compan | 133 | 160 | 5 | 8 | 71 | 418 | 3 | 38 | 836 |
| DOD | Department of Defense - Other | 25 | 54 | 1 | 50 | 5 | 111 | 15 | 9 | 270 |
| DM | Detroit & Mackinac Railway Company | 0 | 57 | 3 | 0 | 91 | 208 | 0 | 0 | 359 |
| DMIR | Duluth, Missabe & Iron Range Railway Compan | 9 | 19 | 0 | 2 | 31 | 87 | 2 | 0 | 150 |
| EIRR | Eastern Idaho Railroad | 22 | 46 | 1 | 0 | 131 | 147 | 0 | 6 | 353 |
| EJE | Elgin, Joliet & Eastern Railway Company | 79 | 63 | 2 | 10 | 4 | 34 | 0 | 0 | 192 |
| ELS | Escanaba & Lake Superior Railroad Company | 4 | 64 | 1 | 45 | 4 | 146 | 1 | 2 | 267 |
| FCEN | Florida Central Railroad Company | 44 | 17 | 0 | 1 | 6 | 85 | 0 | 1 | 154 |
| FEC | Florida East Coast Railway Company | 599 | 30 | 0 | 27 | 3 | 46 | 0 | 9 | 714 |
| FVW | Fox Valley & Western Ltd. | 36 | 255 | 23 | 14 | 60 | 333 | 0 | 6 | 727 |
| GWWR | Gateway Western Railway | 7 | 44 | 20 | 0 | 7 | 142 | 0 | 4 | 224 |
| GC | Georgia Central Railroad | 36 | 11 | 3 | 0 | 37 | 133 | 0 | 0 | 220 |
| GSWR | Georgia Southwestern Railroad Division | 30 | 16 | 4 | 0 | 35 | 186 | 0 | 11 | 282 |
| GNBC | Grainbelt Corporation | 0 | 21 | 0 | 0 | 0 | 233 | 0 | 1 | 255 |
| GTW | Grand Trunk Western Railroad Incorporated | 386 | 263 | 4 | 46 | 219 | 243 | 0 | 3 | 1,164 |
| GWR | Great Western Railway Company | 2 | 5 | 4 | 0 | 6 | 67 | 0 | 1 | 85 |
| GSMR | Gulf And Mississippi Railroad Corporation | 1 | 37 | 0 | 1 | 90 | 465 | 2 | 49 | 645 |
| HCRC | Hillsdale County Railway Company, Incorpora | 0 | 25 | 1 | 0 | 6 | 95 | 0 | 0 | 127 |
| HBT | Houston Belt & Terminal Railway Company | 61 | 28 | 1 | 0 | 2 | 57 | 0 | 15 | 164 |
| HESR | Huron & Eastern Railway | 2 | 18 | 0 | 0 | 14 | 170 | 0 | 3 | 207 |
| INPR | Idaho Northern & Pacific Railroad Company | 0 | 7 | 1 | 0 | 50 | 52 | 0 | 2 | 112 |
| IC | Illinois Central Railroad Company | 361 | 613 | 16 | 66 | 433 | 1,144 | 3 | 188 | 2,824 |
| IOCR | Indiana & Ohio Central Railroad, Incorporat | 11 | 21 | 0 | 0 | 0 | 84 | 0 | 0 | 116 |
| IHRC | Indiana Hi-Rail Corporation | 11 | 47 | 9 | 1 | 10 | 153 | 1 | 4 | 236 |
| INRD | Indiana Rail Road Company | 11 | 111 | 28 | 0 | 75 | 223 | 0 | 11 | 459 |
| IAIS | Iowa Interstate Railroad | 97 | 103 | 8 | 0 | 75 | 196 | 0 | 0 | 479 |
| IANR | Iowa Northern Railway Company | 6 | 45 | 1 | 0 | 32 | 98 | 0 | 5 | 187 |
| KBSR | Kankakee, Beaverville & Southern Railroad C | 5 | 37 | 5 | 0 | 5 | 112 | 0 | 0 | 164 |
| KCS | Kansas City Southern Railway Company | 130 | 176 | 2 | 1 | 12 | 639 | 4 | 64 | 1,028 |
| KCT | Kansas City Terminal Railway Company | 2 | 17 | 2 | 0 | 0 | 50 | 1 | 7 | 79 |
| KSW | Kansas Southwestern Railway | 15 | 36 | 0 | 0 | 0 | 353 | 0 | 4 | 408 |
| KRR | Kiamichi Railroad Company, Incorporated | 1 | 22 | 0 | 3 | 16 | 190 | 0 | 2 | 234 |
| KYLE | Kyle Railroad Company | 2 | 25 | 0 | 2 | 28 | 429 | 0 | 10 | 496 |
| LVRC | Lamoille Valley Railroad Company | 1 | 22 | 0 | 0 | 0 | 61 | 0 | 0 | 84 |
| LI | Long Island Rail Road | 298 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 304 |
| LA | Louisiana & Arkansas Railway Company | 59 | 136 | 0 | 0 | 36 | 412 | 0 | 23 | 666 |
| LDRR | Louisiana & Delta Railroad | 22 | 9 | 1 | 0 | 26 | 123 | 0 | 27 | 208 |
| MDTT | Maine Department Of Transportation | 6 | 72 | 0 | 18 | 2 | 63 | 0 | 0 | 161 |
| MDDE | Maryland & Delaware Railroad Company | 0 | 17 | 0 | 0 | 1 | 66 | 1 | 7 | 92 |
| MDT | Maryland Dept. Of Transportation | 3 | 19 | 7 | 7 | 11 | 30 | 0 | 7 | 84 |

**TABLE 46. TOTAL CROSSINGS BY WARNING DEVICE CATEGORY
AND RAILROAD, CONT., 1994**

| Railroad | Hwy. Sig. | | | | Stop Signs | Cross- Bucks | Other Signs | No Signs | | Total |
|--------------|---|--------------------|------------------|---------|---------------|-----------------|----------------|---------------|-------|---------|
| | Gates | Flashing Lights | Wigwags Bells | Special | | | | Or Signals | | |
| XMBT | Mass. Bay Transporatation Authority | 7 | 51 | 1 | 14 | 0 | 2 | 0 | 0 | 75 |
| MRR | Mid-Atlantic Railroad Company, Incorporated | 6 | 9 | 0 | 3 | 13 | 104 | 0 | 0 | 135 |
| MMRR | Mid-Michigan Railroad Company | 4 | 24 | 4 | 0 | 17 | 65 | 0 | 1 | 115 |
| MSPA | Midd States Port Authority | 14 | 31 | 1 | 0 | 12 | 340 | 0 | 6 | 404 |
| MSRC | Midsouth Railroad Corporation (USE CODE KC | 8 | 90 | 2 | 1 | 128 | 222 | 0 | 62 | 513 |
| MNA | Missouri & Northern Arkansas Railroad Compa | 26 | 87 | 5 | 13 | 12 | 256 | 0 | 11 | 410 |
| MGA | Monongahela Railway Company | 0 | 13 | 0 | 0 | 0 | 50 | 0 | 1 | 64 |
| MRL | Montana Rail Link | 52 | 68 | 1 | 0 | 41 | 280 | 0 | 7 | 449 |
| MNVA | MNVA Railroad, Incorporated | 0 | 2 | 0 | 0 | 22 | 76 | 0 | 3 | 103 |
| NERR | Nashville & Eastern Railroad | 0 | 31 | 0 | 3 | 5 | 133 | 0 | 27 | 199 |
| NCRC | Nebraska Central Railroad | 6 | 23 | 0 | 0 | 37 | 265 | 0 | 11 | 342 |
| NJTR | New Jersey Transit Rail Operations | 211 | 88 | 1 | 10 | 1 | 29 | 0 | 7 | 347 |
| NOLR | New Orleans Lower Coast Railroad, Incorpora | 0 | 6 | 0 | 1 | 15 | 16 | 0 | 7 | 45 |
| NOPB | New Orleans Public Belt Railroad | 5 | 19 | 0 | 1 | 4 | 27 | 8 | 36 | 100 |
| XMTA | New York City Trans. Authority (MTA) | 22 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 30 |
| NYSW | New York, Susquehanna & Western Railroad Co | 93 | 85 | 14 | 13 | 10 | 42 | 0 | 14 | 271 |
| NS | Norfolk Southern Corporation | 3,455 | 2,974 | 79 | 511 | 1,515 | 7,672 | 14 | 897 | 17,117 |
| DTNC | North Carolina Department Of Transportation | 4 | 12 | 0 | 8 | 5 | 55 | 0 | 8 | 92 |
| NEKM | Northeast Kansas & Missouri | 12 | 13 | 0 | 0 | 6 | 93 | 0 | 0 | 124 |
| OHCR | Ohio Central Railroad Company | 21 | 21 | 1 | 0 | 2 | 85 | 0 | 0 | 130 |
| ODOT | Oklahoma Department Of Transportation | 8 | 50 | 0 | 0 | 6 | 280 | 0 | 39 | 383 |
| OKKT | Oklahoma Kansas & Texas Railroad Company | 9 | 22 | 0 | 0 | 2 | 87 | 0 | 2 | 122 |
| PAL | Paducah & Louisville Railway Company | 19 | 103 | 4 | 0 | 10 | 120 | 0 | 3 | 259 |
| PLE | Pittsburgh & Lake Erie Railroad Company | 14 | 8 | 1 | 3 | 4 | 53 | 0 | 14 | 97 |
| PARY | Prairie Trunk Railway | 1 | 19 | 0 | 0 | 0 | 143 | 0 | 6 | 169 |
| PW | Providence & Worcester Railroad Company | 31 | 90 | 7 | 20 | 9 | 21 | 0 | 18 | 196 |
| RRVW | Red River Valley & Western Railroad | 24 | 21 | 0 | 0 | 5 | 662 | 0 | 49 | 761 |
| SGLR | Seminole Gulf Railroad | 58 | 34 | 0 | 1 | 19 | 51 | 0 | 3 | 166 |
| SOO | Soo Line Railroad Company | 496 | 592 | 36 | 58 | 354 | 2,548 | 0 | 187 | 4,271 |
| SCRF | South Carolina Central Railroad Company, In | 4 | 23 | 0 | 17 | 29 | 55 | 0 | 4 | 132 |
| SDRR | South Dakota Railroad Authority | 2 | 10 | 0 | 0 | 3 | 271 | 0 | 35 | 321 |
| SKOL | South Kansas & Oklahoma Railroad Company | 20 | 61 | 13 | 0 | 8 | 257 | 0 | 0 | 359 |
| SO | South Orient Railroad Company, Ltd. | 5 | 34 | 1 | 0 | 1 | 137 | 0 | 0 | 178 |
| SEPA | Southeastern Pennsylvania Transportation Au | 50 | 77 | 21 | 18 | 17 | 32 | 2 | 45 | 262 |
| SP | Southern Pacific Transportation Company | 2,764 | 960 | 250 | 34 | 403 | 3,287 | 13 | 379 | 8,090 |
| SSWN | Southern Pacific, Chicago-St. Louis Corpora | 108 | 84 | 2 | 11 | 0 | 61 | 0 | 3 | 269 |
| ST | Springfield Terminal Railway Company (Vermo | 65 | 188 | 1 | 41 | 18 | 116 | 0 | 0 | 429 |
| SSW | St. Louis Southwestern Railway Company | 269 | 264 | 8 | 10 | 126 | 1,237 | 0 | 111 | 2,025 |
| SUB | State Subsidy | 5 | 88 | 22 | 16 | 11 | 88 | 10 | 7 | 247 |
| TSRR | Tennessee Southern Railroad Company, Incorp | 2 | 20 | 1 | 0 | 25 | 66 | 0 | 20 | 134 |
| TRRA | Terminal Railroad Association Of St. Louis | 45 | 14 | 0 | 56 | 3 | 20 | 0 | 3 | 141 |
| TXOR | Texas & Oklahoma Railroad Company | 3 | 27 | 0 | 0 | 0 | 310 | 0 | 0 | 340 |
| TM | Texas Mexican Railway Company | 1 | 62 | 0 | 11 | 6 | 151 | 0 | 8 | 239 |
| TNER | Texas Northeastern Division--Mid-Michigan R | 5 | 37 | 1 | 0 | 0 | 173 | 0 | 0 | 216 |
| TPW | Toledo, Peoria & Western Railway Corporatio | 7 | 125 | 4 | 0 | 2 | 295 | 0 | 5 | 438 |
| TVRR | Tulare Valley Railroad Company | 70 | 39 | 19 | 0 | 5 | 188 | 1 | 2 | 324 |
| TSBY | Tuscola & Saginaw Bay Railroad Company, Inc | 3 | 80 | 3 | 1 | 52 | 419 | 2 | 8 | 568 |
| TCWR | Twin City & Western Railroad | 17 | 20 | 0 | 0 | 21 | 78 | 0 | 2 | 138 |
| UP | Union Pacific Railroad Company | 2,865 | 2,419 | 108 | 200 | 867 | 8,972 | 25 | 836 | 16,292 |
| VTR | Vermont Railway, Incorporated | 2 | 40 | 0 | 6 | 10 | 37 | 0 | 0 | 95 |
| WCRC | Washington Central Railroad Company | 26 | 43 | 4 | 0 | 9 | 252 | 0 | 22 | 356 |
| WE | Wheeling & Lake Erie Railway Company | 48 | 167 | 3 | 2 | 25 | 345 | 0 | 6 | 596 |
| WSOR | Wisconsin & Southern Railroad Company | 5 | 167 | 21 | 8 | 20 | 376 | 0 | 7 | 604 |
| WC | Wisconsin Central Ltd. (also Railway) | 153 | 537 | 16 | 24 | 140 | 1,098 | 0 | 17 | 1,985 |
| | All Other Railroads | 1,687 | 2,807 | 242 | 926 | 1,412 | 9,038 | 73 | 738 | 16,923 |
| FINAL TOTALS | | 29,050 | 29,325 | 1,661 | 4,798 | 11,017 | 83,050 | 506 | 6,628 | 166,035 |

TABLE 47. TOTAL CROSSINGS BY PAVEMENT MARKINGS AND STATE, 1994

| State | Stop Lines | RR X-ing Symbol | Both |None..... | | Total |
|-------------------|---------------|--------------------|--------|----------------|---------|---------|
| | | | | Paved | Unpaved | |
| Alabama..... | 36 | 132 | 201 | 2,713 | 926 | 4,008 |
| Alaska..... | 9 | 11 | 55 | 65 | 87 | 227 |
| Arizona..... | 23 | 24 | 410 | 249 | 235 | 941 |
| Arkansas..... | 56 | 114 | 322 | 1,667 | 1,166 | 3,325 |
| California..... | 999 | 201 | 4,718 | 1,770 | 300 | 7,988 |
| Colorado..... | 21 | 38 | 261 | 999 | 757 | 2,076 |
| Connecticut..... | 12 | 13 | 254 | 90 | 1 | 370 |
| Delaware..... | 6 | 36 | 120 | 100 | 7 | 269 |
| Dist of Columbia. | --- | --- | 23 | 14 | --- | 37 |
| Florida..... | 274 | 370 | 1,849 | 1,147 | 437 | 4,077 |
| Georgia..... | 64 | 102 | 2,807 | 1,655 | 1,569 | 6,197 |
| Hawaii..... | 2 | --- | --- | 4 | --- | 6 |
| Idaho..... | 15 | 5 | 262 | 694 | 580 | 1,556 |
| Illinois..... | 80 | 164 | 1,267 | 4,322 | 4,432 | 10,265 |
| Indiana..... | 69 | 271 | 1,236 | 4,218 | 884 | 6,678 |
| Iowa..... | 53 | 150 | 530 | 2,034 | 2,523 | 5,290 |
| Kansas..... | 7 | 21 | 888 | 2,072 | 4,924 | 7,912 |
| Kentucky..... | 44 | 328 | 734 | 903 | 630 | 2,639 |
| Louisiana..... | 44 | 209 | 560 | 2,027 | 930 | 3,770 |
| Maine..... | 3 | 3 | 569 | 228 | 79 | 882 |
| Maryland..... | 10 | 25 | 254 | 360 | 44 | 693 |
| Massachusetts.... | 55 | 45 | 125 | 933 | 34 | 1,192 |
| Michigan..... | 70 | 277 | 1,363 | 2,652 | 1,429 | 5,791 |
| Minnesota..... | 126 | 180 | 463 | 1,853 | 2,596 | 5,218 |
| Mississippi..... | 27 | 45 | 483 | 1,616 | 857 | 3,028 |
| Missouri..... | 65 | 110 | 558 | 2,070 | 2,069 | 4,872 |
| Montana..... | 5 | 17 | 158 | 396 | 957 | 1,533 |
| Nebraska..... | 35 | 274 | 189 | 974 | 2,586 | 4,058 |
| Nevada..... | 6 | 4 | 115 | 64 | 99 | 288 |
| New Hampshire.... | 10 | 28 | 59 | 354 | 52 | 503 |
| New Jersey..... | 39 | 232 | 250 | 1,252 | 89 | 1,862 |
| New Mexico..... | 5 | 29 | 44 | 339 | 398 | 815 |
| New York..... | 125 | 216 | 435 | 2,225 | 278 | 3,279 |
| North Carolina... | 46 | 33 | 3,615 | 570 | 611 | 4,875 |
| North Dakota..... | 17 | 29 | 137 | 595 | 3,853 | 4,631 |
| Ohio..... | 442 | 600 | 3,292 | 1,923 | 456 | 6,713 |
| Oklahoma..... | 31 | 96 | 194 | 2,222 | 2,084 | 4,627 |
| Oregon..... | 353 | 905 | 142 | 503 | 440 | 2,343 |
| Pennsylvania..... | 66 | 351 | 156 | 4,416 | 610 | 5,599 |
| Rhode Island..... | --- | --- | 80 | 48 | --- | 128 |
| South Carolina... | 91 | 112 | 1,110 | 1,353 | 445 | 3,111 |
| South Dakota..... | 30 | 12 | 132 | 540 | 1,423 | 2,137 |
| Tennessee..... | 20 | 115 | 919 | 1,787 | 530 | 3,371 |
| Texas..... | 5 | 10 | 6,346 | 3,107 | 3,238 | 12,706 |
| Utah..... | 21 | 31 | 182 | 546 | 229 | 1,009 |
| Vermont..... | 36 | 10 | 88 | 214 | 148 | 496 |
| Virginia..... | 91 | 128 | 982 | 764 | 236 | 2,201 |
| Washington..... | 127 | 72 | 567 | 1,646 | 606 | 3,018 |
| West Virginia.... | 18 | 12 | 87 | 1,212 | 643 | 1,972 |
| Wisconsin..... | 77 | 34 | 714 | 3,551 | 523 | 4,899 |
| Wyoming..... | 7 | 21 | 53 | 156 | 293 | 530 |
| Puerto Rico..... | 3 | 7 | --- | 12 | 2 | 24 |
| Unknown..... | --- | --- | --- | --- | --- | --- |
| Total..... | 3,876 | 6,252 | 40,358 | 67,224 | 48,325 | 166,035 |

NOTE: The Manual On Uniform Traffic Control Devices does not require pavement markings at all crossings.

TABLE 48. CROSSINGS BY RAILROAD ADVANCE WARNING AND STATE, 1994

| State | Yes | No | Total |
|-------------------|---------|--------|---------|
| Alabama..... | 853 | 3,155 | 4,008 |
| Alaska..... | 164 | 63 | 227 |
| Arizona..... | 573 | 368 | 941 |
| Arkansas..... | 913 | 2,412 | 3,325 |
| California..... | 6,425 | 1,563 | 7,988 |
| Colorado..... | 1,108 | 968 | 2,076 |
| Connecticut..... | 326 | 44 | 370 |
| Delaware..... | 229 | 40 | 269 |
| Dist of Columbia. | 22 | 15 | 37 |
| Florida..... | 2,553 | 1,524 | 4,077 |
| Georgia..... | 3,190 | 3,007 | 6,197 |
| Hawaii..... | 1 | 5 | 6 |
| Idaho..... | 1,021 | 535 | 1,556 |
| Illinois..... | 5,317 | 4,948 | 10,265 |
| Indiana..... | 5,653 | 1,025 | 6,678 |
| Iowa..... | 3,614 | 1,676 | 5,290 |
| Kansas..... | 4,265 | 3,647 | 7,912 |
| Kentucky..... | 1,527 | 1,112 | 2,639 |
| Louisiana..... | 2,444 | 1,326 | 3,770 |
| Maine..... | 870 | 12 | 882 |
| Maryland..... | 447 | 246 | 693 |
| Massachusetts.... | 882 | 310 | 1,192 |
| Michigan..... | 4,727 | 1,064 | 5,791 |
| Minnesota..... | 3,396 | 1,822 | 5,218 |
| Mississippi..... | 747 | 2,281 | 3,028 |
| Missouri..... | 1,444 | 3,428 | 4,872 |
| Montana..... | 971 | 562 | 1,533 |
| Nebraska..... | 2,893 | 1,165 | 4,058 |
| Nevada..... | 224 | 64 | 288 |
| New Hampshire.... | 297 | 206 | 503 |
| New Jersey..... | 963 | 899 | 1,862 |
| New Mexico..... | 177 | 638 | 815 |
| New York..... | 2,593 | 686 | 3,279 |
| North Carolina... | 3,775 | 1,100 | 4,875 |
| North Dakota..... | 1,703 | 2,928 | 4,631 |
| Ohio..... | 4,525 | 2,188 | 6,713 |
| Oklahoma..... | 1,518 | 3,109 | 4,627 |
| Oregon..... | 1,016 | 1,327 | 2,343 |
| Pennsylvania..... | 2,069 | 3,530 | 5,599 |
| Rhode Island..... | 81 | 47 | 128 |
| South Carolina... | 2,177 | 934 | 3,111 |
| South Dakota..... | 1,407 | 730 | 2,137 |
| Tennessee..... | 2,088 | 1,283 | 3,371 |
| Texas..... | 10,011 | 2,695 | 12,706 |
| Utah..... | 590 | 419 | 1,009 |
| Vermont..... | 409 | 87 | 496 |
| Virginia..... | 1,673 | 528 | 2,201 |
| Washington..... | 2,188 | 830 | 3,018 |
| West Virginia.... | 463 | 1,509 | 1,972 |
| Wisconsin..... | 3,244 | 1,655 | 4,899 |
| Wyoming..... | 290 | 240 | 530 |
| Puerto Rico..... | 17 | 7 | 24 |
| Unknown..... | --- | --- | --- |
| Total..... | 100,073 | 65,962 | 166,035 |

NOTE: The Manual On Uniform Traffic Control Devices does not require pavement markings at all crossings.

TABLE 49. CROSSINGS MEETING THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES' STANDARD FOR CROSSBUCKS BY STATE, 1994

| State | Active Warning | X-buck meet standards | | Total |
|-------------------|----------------|-----------------------|--------|---------|
| | | Yes | No | |
| Alabama..... | 952 | 1,866 | 1,190 | 4,008 |
| Alaska..... | 77 | 113 | 37 | 227 |
| Arizona..... | 424 | 405 | 112 | 941 |
| Arkansas..... | 790 | 1,796 | 739 | 3,325 |
| California..... | 4,461 | 1,614 | 1,913 | 7,988 |
| Colorado..... | 651 | 1,057 | 368 | 2,076 |
| Connecticut..... | 244 | 88 | 38 | 370 |
| Delaware..... | 192 | 53 | 24 | 269 |
| Dist of Columbia. | 4 | 20 | 13 | 37 |
| Florida..... | 2,761 | 950 | 366 | 4,077 |
| Georgia..... | 1,928 | 3,590 | 679 | 6,197 |
| Hawaii..... | --- | 4 | 2 | 6 |
| Idaho..... | 308 | 908 | 340 | 1,556 |
| Illinois..... | 4,860 | 4,214 | 1,191 | 10,265 |
| Indiana..... | 2,927 | 3,160 | 591 | 6,678 |
| Iowa..... | 1,628 | 2,810 | 852 | 5,290 |
| Kansas..... | 1,613 | 2,854 | 3,445 | 7,912 |
| Kentucky..... | 1,193 | 1,125 | 321 | 2,639 |
| Louisiana..... | 1,166 | 2,043 | 561 | 3,770 |
| Maine..... | 459 | 410 | 13 | 882 |
| Maryland..... | 323 | 195 | 175 | 693 |
| Massachusetts.... | 689 | 296 | 207 | 1,192 |
| Michigan..... | 2,312 | 3,130 | 349 | 5,791 |
| Minnesota..... | 1,209 | 3,690 | 319 | 5,218 |
| Mississippi..... | 608 | 1,524 | 896 | 3,028 |
| Missouri..... | 1,549 | 1,779 | 1,544 | 4,872 |
| Montana..... | 349 | 951 | 233 | 1,533 |
| Nebraska..... | 885 | 2,783 | 390 | 4,058 |
| Nevada..... | 134 | 91 | 63 | 288 |
| New Hampshire.... | 188 | 210 | 105 | 503 |
| New Jersey..... | 1,078 | 324 | 460 | 1,862 |
| New Mexico..... | 293 | 295 | 227 | 815 |
| New York..... | 2,095 | 838 | 346 | 3,279 |
| North Carolina... | 1,879 | 1,700 | 1,296 | 4,875 |
| North Dakota..... | 461 | 2,854 | 1,316 | 4,631 |
| Ohio..... | 2,994 | 2,569 | 1,150 | 6,713 |
| Oklahoma..... | 1,153 | 1,968 | 1,506 | 4,627 |
| Oregon..... | 735 | 1,101 | 507 | 2,343 |
| Pennsylvania..... | 2,118 | 1,259 | 2,222 | 5,599 |
| Rhode Island..... | 67 | 2 | 59 | 128 |
| South Carolina... | 1,107 | 1,858 | 146 | 3,111 |
| South Dakota..... | 193 | 1,762 | 182 | 2,137 |
| Tennessee..... | 965 | 1,149 | 1,257 | 3,371 |
| Texas..... | 4,451 | 3,797 | 4,458 | 12,706 |
| Utah..... | 339 | 471 | 199 | 1,009 |
| Vermont..... | 226 | 254 | 16 | 496 |
| Virginia..... | 1,196 | 687 | 318 | 2,201 |
| Washington..... | 916 | 1,210 | 892 | 3,018 |
| West Virginia.... | 665 | 706 | 601 | 1,972 |
| Wisconsin..... | 1,983 | 2,471 | 445 | 4,899 |
| Wyoming..... | 232 | 186 | 112 | 530 |
| Puerto Rico..... | 6 | 6 | 12 | 24 |
| Unknown..... | --- | --- | --- | --- |
| Total..... | 60,036 | 71,196 | 34,803 | 166,035 |

NOTE: The manual requires two reflectorized cross-bucks to be placed at all crossings.

For crossings with active warning devices, a determination has not been made as to whether cross-bucks which are part of the device meet the MUTCD standard.

TABLE 50. TOTAL CROSSINGS BY TOTAL NUMBER OF TRAINS PER DAY, 1994

| Trains | Crossings |
|--------|-----------|
| <1 | 25,356 |
| 1-5 | 71,273 |
| 6-10 | 28,329 |
| 11-15 | 12,173 |
| 16-20 | 10,568 |
| 21-25 | 6,041 |
| 26-30 | 3,984 |
| 31-35 | 2,079 |
| 36-40 | 1,378 |
| 41-45 | 959 |
| 46-50 | 937 |
| 51-55 | 927 |
| 56-60 | 708 |
| 61-65 | 294 |
| 66-70 | 146 |
| 71-75 | 219 |
| 76-80 | 177 |
| 81-85 | 51 |
| 86-90 | 23 |
| 91-95 | 121 |
| 96-100 | 56 |
| >100 | 236 |
| Total | 166,035 |

TABLE 51. TOTAL CROSSINGS BY NUMBER OF THRU TRAINS AND SWITCHING TRAINS PER DAY, 1994

| Switching Trains | Through Trains | | | | | | | | Total |
|---------------------|----------------|--------|--------|--------|--------|-------|-------|-------|---------|
| | <1 | 1-2 | 3-5 | 6-10 | 11-15 | 16-20 | 21-25 | >25 | |
| <1 | 25,356 | 25,496 | 11,039 | 11,415 | 4,974 | 4,691 | 2,609 | 4,078 | 89,658 |
| 1-2 | 17,416 | 9,222 | 5,881 | 6,695 | 2,796 | 2,488 | 695 | 2,276 | 47,469 |
| 2-3 | 5,405 | 1,723 | 2,152 | 2,990 | 1,446 | 923 | 376 | 1,320 | 16,335 |
| 6-10 | 2,439 | 723 | 761 | 1,386 | 937 | 936 | 380 | 816 | 8,378 |
| 11-15 | 426 | 109 | 118 | 249 | 121 | 58 | 81 | 849 | 2,011 |
| 16-20 | 432 | 95 | 93 | 134 | 178 | 79 | 94 | 141 | 1,246 |
| 21-25 | 105 | 37 | 24 | 36 | 37 | 16 | 24 | 57 | 336 |
| >25 | 187 | 62 | 42 | 79 | 70 | 42 | 34 | 86 | 602 |
| Total | 51,766 | 37,467 | 20,110 | 22,984 | 10,559 | 9,233 | 4,293 | 9,623 | 166,035 |

TABLE 52. TOTAL CROSSINGS BY NUMBER OF DAY AND NIGHT TRAINS PER DAY, 1994

| Day Trains | Night Trains | | | | | | | | Total |
|---------------|--------------|--------|--------|--------|-------|-------|-------|-------|---------|
| | <1 | 1-2 | 3-5 | 6-10 | 11-15 | 16-20 | 21-25 | >25 | |
| <1 | 25,356 | 6,811 | 933 | 159 | 7 | 7 | 4 | 7 | 33,284 |
| 1-2 | 26,423 | 25,884 | 2,967 | 399 | 20 | 10 | 2 | 3 | 55,708 |
| 2-3 | 4,445 | 9,293 | 15,646 | 1,824 | 155 | 33 | 37 | 2 | 31,435 |
| 6-10 | 1,378 | 2,167 | 6,152 | 13,875 | 1,705 | 94 | 42 | 14 | 25,427 |
| 11-15 | 184 | 238 | 743 | 3,720 | 4,909 | 581 | 22 | 19 | 10,416 |
| 16-20 | 80 | 39 | 294 | 607 | 1,237 | 1,776 | 289 | 45 | 4,367 |
| 21-25 | 40 | 26 | 28 | 94 | 358 | 218 | 982 | 172 | 1,918 |
| >25 | 73 | 11 | 54 | 148 | 267 | 286 | 768 | 1,873 | 3,480 |
| Total | 57,979 | 44,469 | 26,817 | 20,826 | 8,658 | 3,005 | 2,146 | 2,135 | 166,035 |

TABLE 53. CROSSINGS BY NUMBER OF TRAINS PER DAY AND WARNING DEVICE, 1994

| Warning device | Number of Trains Per Day | | | | | | | | Total |
|------------------------------|--------------------------|--------|--------|--------|--------|--------|-------|--------|---------|
| | <1 | 1-2 | 3-5 | 6-10 | 11-15 | 16-20 | 21-25 | >25 | |
| Gates..... | 1,043 | 2,662 | 3,080 | 5,407 | 3,518 | 4,132 | 2,841 | 6,367 | 29,050 |
| Flashing lights..... | 3,321 | 7,110 | 5,267 | 6,552 | 2,653 | 2,018 | 925 | 1,479 | 29,325 |
| Hwy. signals, wigwags, bells | 217 | 414 | 304 | 295 | 143 | 102 | 38 | 148 | 1,661 |
| Special warning devices..... | 1,881 | 1,566 | 561 | 405 | 134 | 106 | 35 | 110 | 4,798 |
| Stop signs..... | 939 | 2,911 | 2,130 | 2,246 | 760 | 818 | 377 | 836 | 11,017 |
| Crossbucks..... | 15,471 | 27,591 | 14,394 | 12,708 | 4,738 | 3,229 | 1,766 | 3,153 | 83,050 |
| Other signs..... | 153 | 167 | 80 | 58 | 12 | 16 | 3 | 17 | 506 |
| No signs or signals..... | 2,331 | 2,179 | 857 | 658 | 215 | 147 | 56 | 185 | 6,628 |
| Total..... | 25,356 | 44,600 | 26,673 | 28,329 | 12,173 | 10,568 | 6,041 | 12,295 | 166,035 |

TABLE 54. TOTAL CROSSINGS BY NUMBER OF TRAINS PER DAY AND ANNUAL AVERAGE DAILY TRAFFIC, 1994

| Trains | Average Annual Daily Traffic | | | | | | Total |
|--------|------------------------------|---------|-----------|-------------|--------------|---------|---------|
| | 1-250 | 251-500 | 501-1,000 | 1,001-5,000 | 5,001-10,000 | >10,000 | |
| <1 | 10,823 | 3,013 | 2,872 | 5,569 | 1,831 | 1,248 | 25,356 |
| 1-2 | 21,774 | 5,238 | 4,805 | 8,555 | 2,484 | 1,744 | 44,600 |
| 2-3 | 12,049 | 3,230 | 2,937 | 5,455 | 1,674 | 1,328 | 26,673 |
| 6-10 | 12,621 | 3,419 | 3,227 | 5,957 | 1,747 | 1,358 | 28,329 |
| 11-15 | 5,319 | 1,314 | 1,369 | 2,731 | 819 | 621 | 12,173 |
| 16-20 | 4,244 | 1,259 | 1,233 | 2,459 | 804 | 569 | 10,568 |
| 21-25 | 2,378 | 662 | 696 | 1,442 | 471 | 392 | 6,041 |
| >25 | 5,047 | 1,332 | 1,310 | 2,755 | 1,029 | 822 | 12,295 |
| Total | 74,255 | 19,467 | 18,449 | 34,923 | 10,859 | 8,082 | 166,035 |

TABLE 55. CROSSINGS BY MAXIMUM TIMETABLE SPEED, 1994

| Timetable | |
|-----------|-----------|
| Speed | Crossings |
| 1-5 | 5,507 |
| 6-10 | 30,282 |
| 11-15 | 8,534 |
| 16-20 | 13,050 |
| 21-25 | 21,807 |
| 26-30 | 16,524 |
| 31-35 | 10,197 |
| 36-40 | 17,080 |
| 41-45 | 3,806 |
| 46-50 | 13,844 |
| 51-55 | 2,908 |
| 56-60 | 10,191 |
| 61-65 | 1,271 |
| 66-70 | 4,699 |
| 71-75 | 515 |
| 76-80 | 5,253 |
| 81-85 | 1 |
| 86-90 | 464 |
| 91-95 | 1 |
| 96-100 | 8 |
| >100 | 93 |
| Total | 166,035 |

TABLE 56. TOTAL CROSSINGS BY TYPICAL TRAIN SPEED VARIATION, 1994

| Variation | Speed Crossings |
|-----------|--------------------|
| ----- | |
| <1 | 13,882 |
| 1-5 | 43,065 |
| 6-10 | 37,082 |
| 11-15 | 17,116 |
| 16-20 | 16,651 |
| 21-25 | 10,197 |
| 26-30 | 8,554 |
| 31-35 | 4,457 |
| 36-40 | 4,625 |
| 41-45 | 2,339 |
| 46-50 | 3,249 |
| 51-55 | 786 |
| 56-60 | 1,895 |
| 61-65 | 643 |
| 66-70 | 342 |
| 71-75 | 374 |
| 76-80 | 648 |
| 81-85 | 13 |
| 86-90 | 2 |
| 91-95 | --- |
| 96-100 | --- |
| >100 | 115 |
| Total | 166,035 |

TABLE 57. TOTAL CROSSINGS BY ANNUAL AVERAGE DAILY TRAFFIC, 1994

| AADT | Crossings |
|---------------|-----------|
| ----- | |
| 1-100 | 52,014 |
| 101-200 | 15,340 |
| 201-300 | 11,854 |
| 301-400 | 7,388 |
| 401-500 | 7,126 |
| 501-600 | 4,652 |
| 601-700 | 3,549 |
| 701-800 | 4,027 |
| 801-900 | 2,625 |
| 901-1,000 | 3,596 |
| 1,001-2,000 | 15,992 |
| 2,001-3,000 | 8,724 |
| 3,001-4,000 | 5,489 |
| 4,001-5,000 | 4,718 |
| 5,001-6,000 | 3,029 |
| 6,001-7,000 | 2,307 |
| 7,001-8,000 | 2,232 |
| 8,001-9,000 | 1,602 |
| 9,001-10,000 | 1,689 |
| 10,001-20,000 | 6,142 |
| >20,000 | 1,940 |
| Total | 166,035 |

TABLE 58. TOTAL CROSSINGS BY ANNUAL AVERAGE DAILY TRAFFIC AND WARNING DEVICE CATEGORY, 1994

| Warning device | Annual Average Daily Traffic | | | | | | Total |
|------------------------------|------------------------------|---------|-----------|-------------|--------------|----------|---------|
| | 1-250 | 251-500 | 501-1,000 | 1,001-5,000 | 5,001-10,000 | > 10,000 | |
| Gates..... | 4,039 | 3,048 | 3,771 | 10,404 | 4,161 | 3,627 | 29,050 |
| Flashing lights..... | 3,969 | 3,396 | 4,454 | 10,930 | 3,735 | 2,841 | 29,325 |
| Hwy. signals, wigwags, bells | 433 | 191 | 202 | 450 | 207 | 178 | 1,661 |
| Special warning devices..... | 992 | 591 | 649 | 1,568 | 562 | 436 | 4,798 |
| Stop signs..... | 6,434 | 1,761 | 1,264 | 1,343 | 161 | 54 | 11,017 |
| Crossbucks..... | 54,737 | 9,579 | 7,307 | 8,947 | 1,688 | 792 | 83,050 |
| Other signs..... | 209 | 84 | 82 | 95 | 24 | 12 | 506 |
| No signs or signals..... | 3,442 | 817 | 720 | 1,186 | 321 | 142 | 6,628 |
| Total..... | 74,255 | 19,467 | 18,449 | 34,923 | 10,859 | 8,082 | 166,035 |

TABLE 59. TOTAL CROSSINGS BY TRUCK TRAFFIC AS A PERCENTAGE OF ANNUAL AVERAGE DAILY TRAFFIC, 1994

| % | Crossings |
|-------|-----------|
| <1 | 6,087 |
| 1-5 | 76,171 |
| 6-10 | 50,153 |
| 11-15 | 15,592 |
| 16-20 | 8,300 |
| 21-25 | 2,135 |
| 26-30 | 4,646 |
| 31-35 | 497 |
| 36-40 | 962 |
| 41-45 | 101 |
| 46-50 | 900 |
| 51-55 | 19 |
| 56-60 | 157 |
| 61-65 | 9 |
| 66-70 | 47 |
| 71-75 | 108 |
| 76-80 | 70 |
| 81-85 | 10 |
| 86-90 | 52 |
| 91-95 | 2 |
| 96-99 | 17 |
| Total | 166,035 |

TABLE 60: TOTAL CROSSINGS BY CROSSING SURFACE, 1994

| State | Section Timber | Full Wood Plank | Concrete Asphalt | Concrete Slab | Concrete Pavement | Rubber | Metal Sections | Other Metal | Unconsol- idated | Other |
|------------------|-------------------|--------------------|---------------------|------------------|----------------------|--------|-------------------|----------------|---------------------|-------|
| Alabama | 193 | 384 | 2,974 | 5 | 1 | 20 | 2 | 1 | 424 | 4 |
| Alaska | 11 | 97 | 57 | 10 | 0 | 40 | 0 | 0 | 1 | 11 |
| Arizona | 180 | 176 | 394 | 2 | 1 | 124 | 0 | 0 | 62 | 2 |
| Arkansas | 793 | 250 | 1,618 | 24 | 8 | 12 | 2 | 2 | 612 | 4 |
| California | 822 | 1,284 | 5,519 | 80 | 30 | 96 | 0 | 0 | 129 | 28 |
| Colorado | 703 | 415 | 608 | 30 | 4 | 131 | 7 | 23 | 144 | 11 |
| Connecticut | 109 | 0 | 115 | 2 | 0 | 142 | 2 | 0 | 0 | 0 |
| Delaware | 7 | 5 | 195 | 14 | 2 | 44 | 0 | 0 | 1 | 1 |
| Dist Of Columbia | 6 | 1 | 25 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| Florida | 1,216 | 50 | 2,088 | 300 | 33 | 235 | 7 | 1 | 108 | 39 |
| Georgia | 120 | 125 | 5,409 | 15 | 16 | 16 | 1 | 1 | 492 | 2 |
| Hawaii | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 232 | 742 | 439 | 19 | 1 | 30 | 0 | 0 | 82 | 11 |
| Illinois | 1,890 | 1,473 | 4,831 | 39 | 38 | 864 | 7 | 7 | 1,094 | 22 |
| Indiana | 823 | 98 | 5,117 | 22 | 14 | 383 | 9 | 0 | 209 | 3 |
| Iowa | 125 | 1,198 | 2,201 | 10 | 10 | 312 | 1 | 2 | 1,328 | 103 |
| Kansas | 2,253 | 2,369 | 1,137 | 57 | 34 | 123 | 7 | 1 | 1,921 | 10 |
| Kentucky | 306 | 313 | 1,458 | 1 | 4 | 74 | 1 | 3 | 479 | 0 |
| Louisiana | 690 | 586 | 1,492 | 105 | 7 | 471 | 1 | 4 | 413 | 1 |
| Maine | 53 | 215 | 598 | 0 | 0 | 9 | 0 | 0 | 7 | 0 |
| Maryland | 207 | 73 | 325 | 0 | 6 | 62 | 0 | 0 | 17 | 3 |
| Massachusetts | 64 | 29 | 992 | 8 | 0 | 84 | 0 | 0 | 15 | 0 |
| Michigan | 1,390 | 424 | 3,044 | 11 | 10 | 434 | 90 | 1 | 369 | 18 |
| Minnesota | 267 | 2,577 | 1,785 | 17 | 10 | 258 | 0 | 1 | 289 | 14 |
| Mississippi | 160 | 369 | 1,577 | 10 | 4 | 138 | 1 | 1 | 766 | 2 |
| Missouri | 1,511 | 751 | 1,604 | 18 | 3 | 80 | 2 | 1 | 884 | 18 |
| Montana | 25 | 1,149 | 285 | 17 | 2 | 10 | 0 | 8 | 20 | 17 |
| Nebraska | 861 | 733 | 642 | 119 | 40 | 56 | 2 | 2 | 1,588 | 15 |
| Nevada | 46 | 55 | 90 | 24 | 1 | 21 | 1 | 2 | 40 | 8 |
| New Hampshire | 12 | 57 | 419 | 1 | 0 | 7 | 0 | 0 | 6 | 1 |
| New Jersey | 154 | 8 | 1,428 | 12 | 16 | 83 | 0 | 58 | 68 | 35 |
| New Mexico | 449 | 186 | 49 | 1 | 2 | 31 | 0 | 0 | 97 | 0 |
| New York | 417 | 157 | 2,287 | 8 | 15 | 283 | 0 | 2 | 94 | 16 |
| North Carolina | 22 | 47 | 4,448 | 6 | 12 | 32 | 1 | 1 | 300 | 6 |
| North Dakota | 126 | 3,551 | 476 | 19 | 2 | 39 | 0 | 2 | 412 | 4 |
| Ohio | 1,910 | 174 | 4,272 | 11 | 14 | 133 | 0 | 2 | 179 | 18 |
| Oklahoma | 1,663 | 546 | 1,113 | 57 | 15 | 45 | 1 | 6 | 1,171 | 10 |
| Oregon | 487 | 119 | 1,336 | 14 | 21 | 60 | 0 | 0 | 44 | 262 |
| Pennsylvania | 967 | 77 | 3,781 | 59 | 244 | 95 | 1 | 16 | 355 | 4 |
| Rhode Island | 1 | 1 | 79 | 0 | 10 | 36 | 0 | 1 | 0 | 0 |
| South Carolina | 37 | 10 | 2,906 | 34 | 3 | 6 | 0 | 1 | 106 | 8 |
| South Dakota | 13 | 1,424 | 444 | 1 | 1 | 118 | 0 | 0 | 86 | 50 |
| Tennessee | 105 | 239 | 2,690 | 5 | 5 | 106 | 3 | 0 | 212 | 6 |
| Texas | 4,631 | 1,208 | 4,377 | 239 | 103 | 293 | 5 | 18 | 1,830 | 2 |
| Utah | 221 | 237 | 383 | 45 | 5 | 25 | 3 | 2 | 84 | 4 |
| Vermont | 34 | 43 | 331 | 0 | 1 | 11 | 0 | 0 | 75 | 1 |
| Virginia | 230 | 54 | 1,739 | 6 | 2 | 14 | 4 | 10 | 125 | 17 |
| Washington | 127 | 1,245 | 1,358 | 76 | 8 | 170 | 0 | 0 | 30 | 4 |
| West Virginia | 838 | 11 | 759 | 2 | 3 | 10 | 0 | 1 | 346 | 2 |
| Wisconsin | 71 | 368 | 3,922 | 7 | 25 | 263 | 1 | 1 | 240 | 1 |
| Wyoming | 44 | 199 | 138 | 2 | 1 | 22 | 0 | 0 | 118 | 6 |
| Puerto Rico | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| FINAL TOTALS | 27,622 | 25,902 | 85,382 | 1,564 | 792 | 6,151 | 162 | 182 | 17,474 | 804 |

TABLE 61. TOTAL CROSSINGS BY MAXIMUM TIME TABLE SPEED, WARNING DEVICE CATEGORY AND NUMBER OF TRACKS, 1994

| SINGLE TRACK WARNING DEVICES | MAXIMUM TIME TABLE SPEED | | | | | | | | | | | TOTAL | |
|---------------------------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|-------|--------|
| | 00-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | 101-110 | | >110 |
| GATES..... | 1263 | 1695 | 2441 | 2266 | 1975 | 1586 | 1145 | 966 | 40 | 4 | 1 | 0 | 13382 |
| FLASHING LIGHTS..... | 4495 | 3083 | 5367 | 3578 | 2480 | 1417 | 326 | 284 | 12 | 0 | 0 | 0 | 21042 |
| HWY. SIGNALS, WIGWAGS, BELLS | 376 | 171 | 214 | 128 | 52 | 59 | 11 | 8 | 1 | 0 | 1 | 0 | 1021 |
| SPECIAL WARNING DEVICES..... | 2297 | 541 | 274 | 83 | 54 | 19 | 13 | 21 | 12 | 2 | 0 | 0 | 3316 |
| STOP SIGNS..... | 1149 | 841 | 1987 | 1673 | 1068 | 711 | 267 | 308 | 2 | 0 | 0 | 0 | 8006 |
| CROSSBUCKS..... | 12878 | 7325 | 17309 | 11875 | 6389 | 4621 | 956 | 1088 | 122 | 0 | 1 | 0 | 62564 |
| OTHER SIGNS..... | 177 | 94 | 62 | 15 | 12 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 365 |
| NO SIGNS OR SIGNALS..... | 2669 | 987 | 792 | 314 | 141 | 110 | 37 | 20 | 4 | 0 | 0 | 0 | 5074 |
| TOTAL..... | 25304 | 14737 | 28446 | 19932 | 12171 | 8523 | 2757 | 2698 | 193 | 6 | 3 | 0 | 114770 |

| MULTIPLE TRACKS WARNING DEVICES | MAXIMUM TIME TABLE SPEED | | | | | | | | | | | TOTAL | |
|------------------------------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|-------|-------|
| | 00-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | 101-110 | | >110 |
| GATES..... | 970 | 1521 | 2470 | 2437 | 2319 | 2083 | 1892 | 1829 | 143 | 2 | 2 | 0 | 15668 |
| FLASHING LIGHTS..... | 1793 | 1244 | 1905 | 1405 | 886 | 649 | 206 | 187 | 8 | 0 | 0 | 0 | 8283 |
| HWY. SIGNALS, WIGWAGS, BELLS | 177 | 97 | 150 | 79 | 39 | 42 | 37 | 15 | 4 | 0 | 0 | 0 | 640 |
| SPECIAL WARNING DEVICES..... | 974 | 235 | 150 | 46 | 27 | 27 | 7 | 12 | 3 | 1 | 0 | 0 | 1482 |
| STOP SIGNS..... | 520 | 386 | 558 | 484 | 378 | 257 | 204 | 222 | 2 | 0 | 0 | 0 | 3011 |
| CROSSBUCKS..... | 5237 | 3007 | 4462 | 2801 | 1765 | 1472 | 847 | 783 | 112 | 0 | 0 | 0 | 20486 |
| OTHER SIGNS..... | 53 | 32 | 24 | 16 | 14 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 141 |
| NO SIGNS OR SIGNALS..... | 849 | 325 | 166 | 77 | 51 | 46 | 18 | 22 | 0 | 0 | 0 | 0 | 1554 |
| TOTAL..... | 10573 | 6847 | 9885 | 7345 | 5479 | 4576 | 3213 | 3070 | 272 | 3 | 2 | 0 | 51265 |

| ALL CROSSINGS WARNING DEVICES | MAXIMUM TIME TABLE SPEED | | | | | | | | | | | TOTAL | |
|----------------------------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|-------|--------|
| | 00-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | 101-110 | | >110 |
| GATES..... | 2233 | 3216 | 4911 | 4703 | 4294 | 3669 | 3037 | 2795 | 183 | 6 | 3 | 0 | 29050 |
| FLASHING LIGHTS..... | 6288 | 4327 | 7272 | 4983 | 3366 | 2066 | 532 | 471 | 20 | 0 | 0 | 0 | 29325 |
| HWY. SIGNALS, WIGWAGS, BELLS | 553 | 268 | 364 | 207 | 91 | 101 | 48 | 23 | 5 | 0 | 1 | 0 | 1661 |
| SPECIAL WARNING DEVICES..... | 3271 | 776 | 424 | 129 | 81 | 46 | 20 | 33 | 15 | 3 | 0 | 0 | 4798 |
| STOP SIGNS..... | 1669 | 1227 | 2545 | 2157 | 1446 | 968 | 471 | 530 | 4 | 0 | 0 | 0 | 11017 |
| CROSSBUCKS..... | 18115 | 10332 | 21771 | 14676 | 8154 | 6093 | 1803 | 1871 | 234 | 0 | 1 | 0 | 83050 |
| OTHER SIGNS..... | 230 | 126 | 86 | 31 | 26 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 506 |
| NO SIGNS OR SIGNALS..... | 3518 | 1312 | 958 | 391 | 192 | 156 | 55 | 42 | 4 | 0 | 0 | 0 | 6628 |
| TOTAL..... | 35877 | 21584 | 38331 | 27277 | 17650 | 13099 | 5970 | 5768 | 465 | 9 | 5 | 0 | 166035 |

TABLE 62. (MV) ACCIDENTS/INCIDENTS AT PRIVATE HIGHWAY-RAIL CROSSINGS,
BY TYPE OF CONSIST, 1994

| State | ----Freight---- | | | ---Passenger--- | | | -Yard Switching | | | -----Other----- | | |
|-------------------|-----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| Alabama..... | 14 | --- | 4 | --- | --- | --- | 2 | --- | --- | --- | --- | --- |
| Alaska..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arizona..... | 5 | 1 | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arkansas..... | 4 | 1 | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | --- |
| California..... | 16 | 6 | 4 | 8 | 2 | --- | 5 | --- | 3 | 3 | 1 | 1 |
| Colorado..... | 7 | 2 | 1 | --- | --- | --- | 1 | --- | --- | 1 | --- | --- |
| Connecticut..... | 1 | --- | 1 | 4 | --- | 4 | --- | --- | --- | 1 | --- | 1 |
| Delaware..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Dist. of Columbia | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Florida..... | 7 | 1 | 2 | 1 | --- | 1 | 2 | --- | --- | --- | --- | --- |
| Georgia..... | 10 | 1 | 3 | 1 | --- | --- | 2 | --- | 1 | --- | --- | --- |
| Idaho..... | 5 | --- | 1 | --- | --- | --- | --- | --- | --- | 1 | --- | 1 |
| Illinois..... | 12 | 4 | 2 | 2 | --- | 1 | 7 | --- | 1 | 7 | --- | 4 |
| Indiana..... | 5 | 2 | 5 | 2 | --- | --- | 1 | --- | 1 | 1 | --- | --- |
| Iowa..... | --- | --- | --- | --- | --- | --- | 2 | --- | --- | --- | --- | --- |
| Kansas..... | 1 | --- | 1 | --- | --- | --- | 1 | --- | --- | 1 | --- | --- |
| Kentucky..... | 14 | --- | 6 | --- | --- | --- | 2 | --- | --- | --- | --- | --- |
| Louisiana..... | 11 | --- | 4 | 2 | 1 | --- | 1 | --- | --- | 5 | --- | 5 |
| Maine..... | 2 | --- | 1 | --- | --- | --- | 1 | --- | --- | --- | --- | --- |
| Maryland..... | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Massachusetts.... | 2 | --- | --- | 1 | --- | --- | --- | --- | --- | 1 | --- | --- |
| Michigan..... | 2 | --- | --- | 1 | 1 | 6 | 1 | --- | --- | 1 | --- | --- |
| Minnesota..... | 4 | --- | 1 | --- | --- | --- | 6 | --- | --- | --- | --- | --- |
| Mississippi..... | 10 | --- | 4 | 1 | --- | --- | 2 | --- | --- | --- | --- | --- |
| Missouri..... | 8 | 1 | 2 | 1 | --- | --- | --- | --- | --- | --- | --- | --- |
| Montana..... | 6 | 1 | 1 | 1 | --- | --- | 1 | --- | --- | --- | --- | --- |
| Nebraska..... | 4 | --- | --- | --- | --- | --- | 1 | --- | --- | 1 | --- | --- |
| Nevada..... | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| New Hampshire.... | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| New Jersey..... | --- | --- | --- | --- | --- | --- | 1 | --- | --- | 2 | --- | --- |
| New Mexico..... | 2 | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- |
| New York..... | 8 | --- | 2 | 1 | --- | --- | --- | --- | --- | 1 | --- | --- |
| North Carolina... | 9 | --- | 2 | 2 | --- | --- | 1 | --- | --- | 1 | 1 | --- |
| North Dakota..... | 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ohio..... | 10 | 1 | 3 | --- | --- | --- | 1 | --- | --- | --- | --- | --- |
| Oklahoma..... | 6 | 1 | 4 | --- | --- | --- | 2 | --- | --- | 1 | --- | --- |
| Oregon..... | 2 | 1 | --- | --- | --- | --- | 4 | --- | 1 | --- | --- | --- |
| Pennsylvania..... | 11 | --- | 3 | 1 | --- | --- | 2 | --- | --- | 1 | --- | --- |
| Rhode Island..... | 2 | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Carolina... | 5 | 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Dakota..... | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tennessee..... | 5 | 2 | 2 | --- | --- | --- | 2 | --- | --- | 1 | --- | --- |
| Texas..... | 34 | 3 | 9 | --- | --- | --- | 15 | --- | 2 | 4 | --- | --- |
| Utah..... | 2 | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Vermont..... | 2 | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- |
| Virginia..... | 20 | 2 | 5 | --- | --- | --- | 2 | --- | --- | 2 | --- | 1 |
| Washington..... | 9 | 1 | 6 | --- | --- | --- | 2 | --- | --- | 4 | --- | --- |
| West Virginia.... | 13 | 1 | 3 | --- | --- | --- | 1 | --- | --- | 2 | --- | --- |
| Wisconsin..... | 4 | --- | 2 | --- | --- | --- | 1 | --- | --- | 1 | --- | --- |
| Wyoming..... | 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Unknown..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 303 | 34 | 87 | 31 | 4 | 12 | 72 | --- | 9 | 44 | 3 | 13 |

Note: "Other" includes mixed trains, work trains, light locomotives, single car or cut of cars.

**TABLE 63. (MV) ACCIDENTS/INCIDENTS AT PRIVATE HIGHWAY-RAIL CROSSINGS,
BY STATE AND WARNING DEVICE, 1994**

| State | Gates | Flashing Lights | Hwy Sig. Wigwags Bells | Special | Cross- Bucks | Stop Signs | Other Signs | No Signs Or Signals | Total |
|-------------------|-------|--------------------|------------------------------|---------|-----------------|---------------|----------------|---------------------------|-------|
| Alabama..... | --- | 2 | --- | --- | 6 | 2 | --- | 6 | 16 |
| Alaska..... | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arizona..... | --- | --- | 1 | --- | 4 | --- | --- | --- | 5 |
| Arkansas..... | --- | --- | --- | --- | --- | 1 | --- | 4 | 5 |
| California..... | --- | 1 | 1 | 1 | 9 | 15 | 2 | 3 | 32 |
| Colorado..... | --- | --- | --- | --- | 1 | 4 | 1 | 3 | 9 |
| Connecticut..... | --- | 2 | 1 | --- | 1 | 1 | 1 | --- | 6 |
| Delaware..... | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Dist. of Columbia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Florida..... | 1 | 1 | --- | 1 | 6 | --- | 1 | --- | 10 |
| Georgia..... | 1 | --- | --- | --- | 5 | 4 | --- | 3 | 13 |
| Idaho..... | --- | --- | --- | --- | 2 | 1 | 1 | 2 | 6 |
| Illinois..... | --- | 2 | 1 | 4 | 3 | 5 | --- | 13 | 28 |
| Indiana..... | --- | --- | --- | --- | --- | 5 | 1 | 3 | 9 |
| Iowa..... | --- | --- | --- | --- | --- | 1 | --- | 1 | 2 |
| Kansas..... | --- | --- | --- | --- | 1 | 1 | --- | 1 | 3 |
| Kentucky..... | --- | --- | --- | --- | 9 | 3 | --- | 4 | 16 |
| Louisiana..... | --- | 1 | --- | --- | 11 | 2 | 1 | 4 | 19 |
| Maine..... | --- | --- | --- | --- | --- | 2 | --- | 1 | 3 |
| Maryland..... | --- | --- | --- | --- | 1 | --- | --- | --- | 1 |
| Massachusetts.... | --- | --- | --- | 1 | --- | 1 | --- | 2 | 4 |
| Michigan..... | --- | 2 | --- | --- | --- | 1 | --- | 2 | 5 |
| Minnesota..... | --- | 1 | --- | 1 | 3 | 2 | 1 | 2 | 10 |
| Mississippi..... | --- | --- | --- | 1 | 4 | 3 | --- | 5 | 13 |
| Missouri..... | --- | --- | --- | --- | 3 | 1 | --- | 5 | 9 |
| Montana..... | --- | --- | --- | --- | 1 | 5 | --- | 2 | 8 |
| Nebraska..... | --- | --- | --- | --- | 1 | 1 | --- | 4 | 6 |
| Nevada..... | --- | --- | 1 | --- | --- | --- | --- | --- | 1 |
| New Hampshire.... | --- | --- | --- | --- | --- | 1 | --- | --- | 1 |
| New Jersey..... | --- | --- | --- | 1 | --- | --- | --- | 2 | 3 |
| New Mexico..... | --- | --- | --- | --- | 3 | --- | --- | --- | 3 |
| New York..... | --- | --- | --- | --- | 1 | --- | 1 | 8 | 10 |
| North Carolina... | --- | --- | --- | --- | 6 | 3 | --- | 4 | 13 |
| North Dakota..... | --- | --- | --- | --- | 2 | --- | --- | --- | 2 |
| Ohio..... | 1 | --- | --- | --- | 6 | 1 | --- | 3 | 11 |
| Oklahoma..... | --- | 1 | --- | --- | 5 | --- | --- | 3 | 9 |
| Oregon..... | --- | --- | --- | 1 | --- | 4 | --- | 1 | 6 |
| Pennsylvania..... | --- | 2 | --- | --- | 4 | --- | --- | 9 | 15 |
| Rhode Island..... | --- | --- | --- | --- | --- | 1 | --- | 1 | 2 |
| South Carolina... | --- | --- | --- | --- | 3 | --- | --- | 2 | 5 |
| South Dakota..... | --- | --- | --- | --- | --- | 1 | --- | --- | 1 |
| Tennessee..... | --- | 2 | --- | 1 | 2 | --- | --- | 3 | 8 |
| Texas..... | 2 | 2 | 1 | 2 | 28 | 13 | --- | 5 | 53 |
| Utah..... | --- | --- | --- | --- | --- | 1 | --- | 1 | 2 |
| Vermont..... | 1 | --- | --- | --- | 2 | --- | --- | --- | 3 |
| Virginia..... | 1 | --- | --- | --- | 5 | 3 | --- | 15 | 24 |
| Washington..... | 1 | --- | --- | --- | 1 | 9 | --- | 4 | 15 |
| West Virginia.... | 1 | --- | --- | 1 | 7 | --- | --- | 7 | 16 |
| Wisconsin..... | --- | --- | --- | --- | 2 | 1 | 2 | 1 | 6 |
| Wyoming..... | --- | --- | --- | --- | 1 | 1 | --- | 1 | 3 |
| Unknown..... | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 9 | 19 | 6 | 15 | 149 | 100 | 12 | 140 | 450 |

Note: "Special" are crossings protected by watchmen or members of train crew

**TABLE 64. ACCIDENTS/INCIDENTS AT PRIVATE HIGHWAY-RAIL CROSSINGS,
BY HIGHWAY USER, 1994**

| Type Of Vehicle | ---Acc/Inc--- | | ----Killed---- | | ----Injured---- | | Fatal Acc/Inc | Injury Acc/Inc |
|-------------------|---------------|--------|----------------|--------|-----------------|--------|------------------|-------------------|
| | No. | % | No. | % | No. | % | | |
| Automobile..... | 191 | 40.13 | 23 | 53.49 | 45 | 34.09 | 19 | 35 |
| Truck..... | 156 | 32.77 | 14 | 32.56 | 49 | 37.12 | 10 | 40 |
| Truck-trailer.... | 102 | 21.43 | 4 | 9.30 | 27 | 20.45 | 4 | 17 |
| Bus..... | --- | --- | --- | --- | --- | --- | --- | --- |
| School bus..... | --- | --- | --- | --- | --- | --- | --- | --- |
| Motorcycle..... | 1 | .21 | --- | --- | --- | --- | --- | --- |
| Pedestrian..... | 1 | .21 | 1 | 2.33 | --- | --- | 1 | --- |
| Other..... | 25 | 5.25 | 1 | 2.33 | 11 | 8.33 | 1 | 9 |
| Total..... | 476 | 100.00 | 43 | 100.00 | 132 | 100.00 | 35 | 101 |

**TABLE 65. (MV) ACCIDENTS/INCIDENTS AT PRIVATE HIGHWAY-RAIL CROSSINGS,
BY WARNING DEVICE CATEGORY AND MOTORIST ACTION, 1994**

| Warning Device | --Drove Around-- -Or Thru Gate-- | | | --Stopped And-- -Then Proceeded | | | -Did Not Stop-- | | | -----Other----- | | | ----Unknown---- | | | -----Total----- | | |
|-------------------|-------------------------------------|-----|-----|------------------------------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| Gates..... | 4 | --- | --- | 1 | --- | --- | --- | --- | --- | 2 | --- | --- | 2 | --- | --- | 9 | --- | --- |
| Cantilever flshrs | --- | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| Standard flashers | --- | --- | --- | 4 | --- | 2 | 8 | 1 | --- | 6 | --- | 2 | --- | --- | --- | 18 | 1 | 4 |
| Hwy Sig,W W,Bells | --- | --- | --- | 1 | --- | --- | 1 | --- | --- | 3 | --- | --- | 1 | --- | 2 | 6 | --- | 2 |
| Special Devices.. | --- | --- | --- | 3 | --- | --- | 9 | --- | 2 | 3 | --- | --- | --- | --- | --- | 15 | --- | 2 |
| Crossbucks..... | --- | --- | --- | 9 | --- | 4 | 86 | 14 | 27 | 49 | --- | 7 | 5 | --- | 2 | 149 | 14 | 40 |
| Stopsigns..... | --- | --- | --- | 7 | --- | 2 | 59 | 10 | 25 | 29 | 1 | 10 | 5 | --- | 1 | 100 | 11 | 38 |
| Other Signs..... | --- | --- | --- | 1 | --- | --- | 6 | --- | 4 | 5 | --- | 1 | --- | --- | --- | 12 | --- | 5 |
| No Signs Or Signl | --- | --- | --- | 3 | 2 | 1 | 73 | 7 | 20 | 60 | 6 | 7 | 4 | --- | 2 | 140 | 15 | 30 |
| Total..... | 4 | --- | --- | 29 | 2 | 9 | 243 | 32 | 78 | 157 | 7 | 27 | 17 | --- | 7 | 450 | 41 | 121 |

Note: "Special" are crossings protected by watchmen or members of train crew.
"Hwy Sig" = Highway signals, W W = Wigwags.

**TABLE 66. (MV) ACCIDENTS/INCIDENTS AT PRIVATE HIGHWAY-RAIL CROSSINGS,
BY SPEED OF TRAIN, CIRCUMSTANCE AND VISIBILITY, 1994**

| Speed Of Vehicle | -----Dawn----- | | | -----Day----- | | | -----Dusk----- | | | -----Dark----- | | | -----Total----- | | |
|--|----------------|-----|-----|---------------|-----|-----|----------------|-----|-----|----------------|-----|-----|-----------------|-----|-----|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| R A I L C O N S I S T S T R U C K H I G H W A Y U S E R | | | | | | | | | | | | | | | |
| Standing..... | 5 | 1 | 2 | 76 | 3 | 11 | 7 | --- | 2 | 63 | 2 | 2 | 151 | 6 | 17 |
| 1-9..... | 5 | --- | --- | 106 | 13 | 40 | 8 | --- | 4 | 20 | 4 | 6 | 139 | 17 | 50 |
| 10-19..... | --- | --- | --- | 71 | 7 | 25 | 3 | 1 | --- | 8 | --- | 4 | 82 | 8 | 29 |
| 20-29..... | --- | --- | --- | 9 | 4 | 4 | --- | --- | --- | 3 | 2 | --- | 12 | 6 | 4 |
| 30-39..... | --- | --- | --- | 5 | 3 | 3 | --- | --- | --- | 3 | 1 | 1 | 8 | 4 | 4 |
| 40-49..... | --- | --- | --- | 2 | --- | 1 | --- | --- | --- | 1 | --- | --- | 3 | --- | 1 |
| 50-59..... | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| 60 and over..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Unknown..... | --- | --- | --- | 8 | --- | 1 | --- | --- | --- | 5 | --- | 2 | 13 | --- | 3 |
| Total..... | 10 | 1 | 2 | 278 | 30 | 85 | 18 | 1 | 6 | 103 | 9 | 15 | 409 | 41 | 108 |
| H I G H W A Y U S E R S T R U C K R A I L C O N S I S T | | | | | | | | | | | | | | | |
| Standing..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1-9..... | --- | --- | --- | 12 | --- | 2 | --- | --- | --- | 5 | --- | 1 | 17 | --- | 3 |
| 10-19..... | 1 | --- | 1 | 7 | --- | 2 | --- | --- | --- | 5 | --- | 2 | 13 | --- | 5 |
| 20-29..... | --- | --- | --- | 1 | --- | --- | --- | --- | --- | 1 | --- | 1 | 2 | --- | 1 |
| 30-39..... | --- | --- | --- | 2 | --- | 1 | --- | --- | --- | 2 | --- | --- | 4 | --- | 1 |
| 40-49..... | 1 | --- | 1 | 1 | --- | 1 | --- | --- | --- | --- | --- | --- | 2 | --- | 2 |
| 50-59..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | 1 | 1 | --- | 1 |
| 60 and over..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Unknown..... | --- | --- | --- | 1 | --- | --- | --- | --- | --- | 1 | --- | --- | 2 | --- | --- |
| Total..... | 2 | --- | 2 | 24 | --- | 6 | --- | --- | --- | 15 | --- | 5 | 41 | --- | 13 |
| G R A N D T O T A L | | | | | | | | | | | | | | | |
| Standing..... | 5 | 1 | 2 | 76 | 3 | 11 | 7 | --- | 2 | 63 | 2 | 2 | 151 | 6 | 17 |
| 1-9..... | 5 | --- | --- | 118 | 13 | 42 | 8 | --- | 4 | 25 | 4 | 7 | 156 | 17 | 53 |
| 10-19..... | 1 | --- | 1 | 78 | 7 | 27 | 3 | 1 | --- | 13 | --- | 6 | 95 | 8 | 34 |
| 20-29..... | --- | --- | --- | 10 | 4 | 4 | --- | --- | --- | 4 | 2 | 1 | 14 | 6 | 5 |
| 30-39..... | --- | --- | --- | 7 | 3 | 4 | --- | --- | --- | 5 | 1 | 1 | 12 | 4 | 5 |
| 40-49..... | 1 | --- | 1 | 3 | --- | 2 | --- | --- | --- | 1 | --- | --- | 5 | --- | 3 |
| 50-59..... | --- | --- | --- | 1 | --- | --- | --- | --- | --- | 1 | --- | 1 | 2 | --- | 1 |
| 60 and over..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Unknown..... | --- | --- | --- | 9 | --- | 1 | --- | --- | --- | 6 | --- | 2 | 15 | --- | 3 |
| Total..... | 12 | 1 | 4 | 302 | 30 | 91 | 18 | 1 | 6 | 118 | 9 | 20 | 450 | 41 | 121 |

**TABLE 67. (MV) ACCIDENTS/INCIDENTS AT PRIVATE HIGHWAY-RAIL CROSSINGS,
BY RAILROAD AND WARNING DEVICE CATEGORY, 1994**

| Railroad | Gates | Flashing Lights | Hwy Sig. | | Cross- Bucks | Stop Signs | Other Signs | No Signs Or Signals | Total |
|--|-------|--------------------|------------------|---------|-----------------|---------------|----------------|---------------------------|-------|
| | | | Wigwags Bells | Special | | | | | |
| Alaska Railroad Corp. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Alton & Southern Railroad | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Amtrak (Nat'l Railroad Passenger Corp.) | 2 | 1 | 1 | --- | 12 | 3 | 1 | 3 | 23 |
| Atchison, Topeka And Santa Fe Railway Co. | --- | --- | --- | --- | 13 | 2 | --- | 3 | 18 |
| Bangor And Aroostook Railroad | --- | --- | --- | --- | --- | 2 | --- | 1 | 3 |
| Belt Railway Co. of Chicago | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bessemer & Lake Erie Railroad Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Birmingham Southern Railroad Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Burlington Northern Railroad Co. | 1 | 2 | --- | 3 | 12 | 24 | --- | 28 | 70 |
| Chicago And North Western Transp. | --- | --- | --- | --- | --- | --- | --- | 1 | 1 |
| Chicago, Central & Pacific Railroad Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Consolidated Rail Corp. | 1 | 1 | --- | 1 | 5 | 1 | 2 | 13 | 24 |
| Cuyahoga Valley Railway Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CSX Transp. | 1 | --- | --- | 1 | 29 | 6 | 1 | 6 | 44 |
| Dakota, Minnesota & Eastern Railroad | --- | --- | --- | --- | 1 | --- | --- | --- | 1 |
| Delaware And Hudson Railroad Co. | --- | --- | --- | --- | --- | --- | --- | 3 | 3 |
| Denver And Rio Grande Western Railroad Co. | --- | --- | --- | --- | --- | 4 | 1 | --- | 5 |
| Duluth, Missabe & Iron Range Railway Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Elgin, Joliet And Eastern Railway Co. | --- | --- | --- | --- | --- | --- | --- | 2 | 2 |
| Florida East Coast Railway Co. | 1 | 1 | --- | --- | --- | --- | --- | --- | 2 |
| Fox Valley & Western Ltd. | --- | --- | --- | --- | 1 | --- | --- | --- | 1 |
| Gateway Western Railway | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Grand Trunk Western Railroad Co. | --- | 2 | --- | --- | 1 | --- | --- | --- | 3 |
| Houston Belt & Terminal Railway Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Illinois Central Railroad Co. | --- | 2 | --- | --- | 1 | 2 | --- | 5 | 10 |
| Indiana Harbor Belt Railroad Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Kansas City Southern Railway Co. | --- | --- | --- | 1 | 13 | --- | --- | --- | 14 |
| Long Island Rail Road | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Metro North Commuter Railroad Co. | --- | 2 | 1 | --- | --- | --- | --- | --- | 3 |
| Montana Rail Link | --- | --- | --- | --- | --- | --- | --- | 1 | 1 |
| New Jersey Transit Rail Operations | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Norfolk Southern Corp. | 1 | 3 | --- | 4 | 19 | 13 | --- | 39 | 79 |
| Northeast Illinois Regional Commuter Rail | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Indiana Commuter Trans. | --- | --- | --- | --- | --- | 1 | --- | --- | 1 |
| Paducah & Louisville Railway Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Port Authority Trans Hudson | --- | --- | --- | --- | --- | --- | --- | 1 | 1 |
| Port Terminal Railroad Assoc. | --- | 1 | --- | 1 | 3 | 3 | --- | 1 | 9 |
| Soo Line Railroad Co. | --- | 1 | --- | --- | --- | 1 | 1 | 3 | 6 |
| Southeastern Pennsylvania Transp. | --- | --- | --- | --- | --- | --- | --- | 1 | 1 |
| Southern Pacific Transp. Co. | 2 | 2 | 3 | 1 | 13 | 13 | 1 | 2 | 37 |
| Southern Pacific, Chicago-St. Louis Corp. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Springfield Terminal Railway Co. | --- | --- | --- | 1 | --- | --- | --- | --- | 1 |
| St. Louis Southwestern Railway Co. | --- | --- | --- | --- | 4 | 3 | --- | --- | 7 |
| Terminal Railroad Assoc. of St. Louis | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Texas Mexican Railway Co. | --- | --- | --- | 1 | 1 | --- | --- | --- | 2 |
| Union Pacific Railroad Co. | --- | --- | 1 | --- | 9 | 5 | 1 | 15 | 31 |
| Union Railroad Company (Pittsburgh) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Wheeling & Lake Erie Railway Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Wisconsin Central Ltd. | --- | --- | --- | --- | 1 | 3 | 2 | 1 | 7 |
| All Other Railroads..... | --- | 1 | --- | 1 | 11 | 14 | 2 | 11 | 40 |
| Total..... | 9 | 19 | 6 | 15 | 149 | 100 | 12 | 140 | 450 |

Note: "Special" are crossings protected by watchmen or members of train crew.

TABLE 68. ACCIDENTS/INCIDENTS AND CASUALTIES AT PRIVATE HIGHWAY-RAIL CROSSINGS, BY RAILROAD, 1994

| Railroad | -----Motor Vehicle----- | | | ----Other Highway Users---- | | | -----Total----- | | |
|--|-------------------------|--------|---------|-----------------------------|--------|---------|-----------------|--------|---------|
| | Acc/Inc | Killed | Injured | Acc/Inc | Killed | Injured | Acc/Inc | Killed | Injured |
| Alaska Railroad Corp. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Alton & Southern Railroad | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Amtrak (Nat'l Railroad Passenger Corp.) | 23 | 4 | 8 | 2 | --- | --- | 25 | 4 | 8 |
| Atchison, Topeka And Santa Fe Railway Co. | 18 | 2 | 5 | 1 | --- | --- | 19 | 2 | 5 |
| Bangor And Aroostook Railroad | 3 | --- | 1 | --- | --- | --- | 3 | --- | 1 |
| Belt Railway Co. of Chicago | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bessemer & Lake Erie Railroad Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Birmingham Southern Railroad Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Burlington Northern Railroad Co. | 70 | 10 | 9 | 5 | 1 | 2 | 75 | 11 | 11 |
| Chicago And North Western Transp. | 1 | --- | --- | --- | --- | --- | 1 | --- | --- |
| Chicago, Central & Pacific Railroad Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Consolidated Rail Corp. | 24 | --- | 5 | 1 | --- | 1 | 25 | --- | 6 |
| Cuyahoga Valley Railway Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CSX Transp. | 44 | 7 | 17 | 2 | --- | 2 | 46 | 7 | 19 |
| Dakota, Minnesota & Eastern Railroad | 1 | --- | --- | 1 | --- | --- | 2 | --- | --- |
| Delaware And Hudson Railroad Co. | 3 | --- | --- | --- | --- | --- | 3 | --- | --- |
| Denver And Rio Grande Western Railroad Co. | 5 | --- | 2 | --- | --- | --- | 5 | --- | 2 |
| Duluth, Missabe & Iron Range Railway Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Elgin, Joliet And Eastern Railway Co. | 2 | 1 | --- | --- | --- | --- | 2 | 1 | --- |
| Florida East Coast Railway Co. | 2 | --- | --- | --- | --- | --- | 2 | --- | --- |
| Fox Valley & Western Ltd. | 1 | --- | --- | --- | --- | --- | 1 | --- | --- |
| Gateway Western Railway | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Grand Trunk Western Railroad Co. | 3 | --- | 1 | --- | --- | --- | 3 | --- | 1 |
| Houston Belt & Terminal Railway Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Illinois Central Railroad Co. | 10 | --- | 6 | --- | --- | --- | 10 | --- | 6 |
| Indiana Harbor Belt Railroad Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Kansas City Southern Railway Co. | 14 | --- | 5 | --- | --- | --- | 14 | --- | 5 |
| Long Island Rail Road | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Metro North Commuter Railroad Co. | 3 | --- | 4 | --- | --- | --- | 3 | --- | 4 |
| Montana Rail Link | 1 | --- | --- | 2 | --- | --- | 3 | --- | --- |
| New Jersey Transit Rail Operations | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Norfolk Southern Corp. | 79 | 6 | 21 | 3 | --- | --- | 82 | 6 | 21 |
| Northeast Illinois Regional Commuter Rail | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Indiana Commuter Trans. | 1 | --- | --- | --- | --- | --- | 1 | --- | --- |
| Paducah & Louisville Railway Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Port Authority Trans Hudson | 1 | --- | --- | --- | --- | --- | 1 | --- | --- |
| Port Terminal Railroad Assoc. | 9 | --- | 1 | --- | --- | --- | 9 | --- | 1 |
| Soo Line Railroad Co. | 6 | --- | 3 | --- | --- | --- | 6 | --- | 3 |
| Southeastern Pennsylvania Transp. | 1 | --- | --- | --- | --- | --- | 1 | --- | --- |
| Southern Pacific Transp. Co. | 37 | 4 | 12 | 2 | --- | 1 | 39 | 4 | 13 |
| Southern Pacific, Chicago-St. Louis Corp. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Springfield Terminal Railway Co. | 1 | --- | --- | --- | --- | --- | 1 | --- | --- |
| St. Louis Southwestern Railway Co. | 7 | --- | 5 | --- | --- | --- | 7 | --- | 5 |
| Terminal Railroad Assoc. of St. Louis | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Texas Mexican Railway Co. | 2 | --- | --- | --- | --- | --- | 2 | --- | --- |
| Union Pacific Railroad Co. | 31 | 6 | 7 | 4 | --- | 4 | 35 | 6 | 11 |
| Union Railroad Company (Pittsburgh) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Wheeling & Lake Erie Railway Co. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Wisconsin Central Ltd. | 7 | 1 | 3 | --- | --- | --- | 7 | 1 | 3 |
| All Other Railroads..... | 40 | --- | 6 | 3 | 1 | 1 | 43 | 1 | 7 |
| Total..... | 450 | 41 | 121 | 26 | 2 | 11 | 476 | 43 | 132 |

TABLE 69. (MV) ACCIDENTS/INCIDENTS AND CASUALTIES AT PRIVATE HIGHWAY-RAIL CROSSINGS, BY SPEED OF CONSIST, 1994

| Speed Of Consist | ----Freight---- | | | ---Passenger--- | | | -Yard Switching | | | -----Other----- | | | -----Total----- | | |
|------------------|-----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| Standing..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1-9..... | 37 | --- | 5 | --- | --- | --- | 62 | --- | 9 | 22 | --- | 6 | 121 | --- | 20 |
| 10-19..... | 30 | --- | 4 | 5 | --- | --- | 9 | --- | --- | 8 | --- | 4 | 52 | --- | 8 |
| 20-29..... | 56 | --- | 26 | 2 | --- | --- | --- | --- | --- | 1 | --- | 1 | 59 | --- | 27 |
| 30-39..... | 63 | 5 | 21 | 4 | --- | 3 | 1 | --- | --- | 6 | --- | 2 | 74 | 5 | 26 |
| 40-49..... | 74 | 17 | 20 | 2 | --- | 1 | --- | --- | --- | 3 | 1 | --- | 79 | 18 | 21 |
| 50-59..... | 34 | 8 | 8 | 6 | 1 | 7 | --- | --- | --- | 2 | 1 | --- | 42 | 10 | 15 |
| 60-69..... | 8 | 4 | 2 | 5 | 2 | --- | --- | --- | --- | 2 | 1 | --- | 15 | 7 | 2 |
| 70-79..... | 1 | --- | 1 | 6 | 1 | 1 | --- | --- | --- | --- | --- | --- | 7 | 1 | 2 |
| 80-89..... | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| 90 and over..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Unknown..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 303 | 34 | 87 | 31 | 4 | 12 | 72 | --- | 9 | 44 | 3 | 13 | 450 | 41 | 121 |

Note: "Other" includes mixed trains, work trains, light locomotives, single car or cut of cars

TABLE 70. (MV) ACCIDENTS/INCIDENTS AND CASUALTIES AT PRIVATE HIGHWAY-RAIL CROSSINGS, BY LENGTH OF CONSIST, 1994

| Number Of Cars | ----Freight---- | | | ---Passenger--- | | | -Yard Switching | | | -----Other----- | | | -----Total----- | | |
|-------------------|-----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|
| | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj | A/I | Kld | Inj |
| 1-9..... | 39 | 4 | 12 | 24 | 4 | 11 | 43 | --- | 4 | 7 | --- | 5 | 113 | 8 | 32 |
| 10-19..... | 34 | 4 | 6 | 6 | --- | --- | 14 | --- | 3 | 1 | --- | 1 | 55 | 4 | 10 |
| 20-29..... | 26 | 2 | 7 | --- | --- | --- | 7 | --- | 1 | --- | --- | --- | 33 | 2 | 8 |
| 30-39..... | 28 | 7 | 11 | --- | --- | --- | 3 | --- | --- | --- | --- | --- | 31 | 7 | 11 |
| 40-49..... | 23 | 1 | 8 | --- | --- | --- | 1 | --- | --- | --- | --- | --- | 24 | 1 | 8 |
| 50-59..... | 21 | --- | 2 | --- | --- | --- | 1 | --- | --- | --- | --- | --- | 22 | --- | 2 |
| 60-69..... | 20 | 5 | 11 | --- | --- | --- | --- | --- | --- | 1 | 1 | --- | 21 | 6 | 11 |
| 70-79..... | 19 | 2 | 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 19 | 2 | 4 |
| 80-89..... | 15 | --- | 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 15 | --- | 7 |
| 90-99..... | 19 | 5 | 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 19 | 5 | 4 |
| 100-109..... | 11 | 3 | 1 | --- | --- | --- | 2 | --- | 1 | --- | --- | --- | 13 | 3 | 2 |
| 110-119..... | 32 | 1 | 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 32 | 1 | 8 |
| 120-129..... | 5 | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 5 | --- | 1 |
| 130-139..... | 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 5 | --- | --- |
| 140-149..... | 3 | --- | 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3 | --- | 5 |
| 150 And over..... | 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2 | --- | --- |
| Locomotives only. | 1 | --- | --- | 1 | --- | 1 | 1 | --- | --- | 35 | 2 | 7 | 38 | 2 | 8 |
| Total..... | 303 | 34 | 87 | 31 | 4 | 12 | 72 | --- | 9 | 44 | 3 | 13 | 450 | 41 | 121 |

Note: "Other" includes mixed trains, work trains, light locomotives, single car or cut of cars

TABLE 71. (MV) ACCIDENTS/INCIDENTS AT PRIVATE HIGHWAY-RAIL CROSSINGS,
 BY OPERATIONAL STATUS OF WARNING DEVICE,
 CIRCUMSTANCE AND VISIBILITY, 1994

| Warning Device | -Device Working-- | | | -----Highway User----- | | | | | | | |
|-------------------|-------------------|-----|-----|---------------------------|-----|------|------|--------------------------|-----|------|------|
| | Yes | No | N/A | ----Struck By Consist---- | | | | ----Ran Into Consist---- | | | |
| | | | | Dawn | Day | Dusk | Dark | Dawn | Day | Dusk | Dark |
| Gates..... | 8 | --- | 1 | 1 | 5 | --- | 2 | --- | --- | --- | 1 |
| Cantilever flshrs | 1 | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- |
| Standard flashers | 18 | --- | --- | 2 | 8 | --- | 6 | --- | 1 | --- | 1 |
| Hwy Sig,W W,Bells | 6 | --- | --- | --- | 4 | --- | 2 | --- | --- | --- | --- |
| Special Devices.. | --- | --- | 15 | 2 | 7 | 1 | 1 | --- | 2 | --- | 2 |
| Crossbucks..... | --- | --- | 149 | 2 | 92 | 10 | 29 | 1 | 9 | --- | 6 |
| Stopsigns..... | --- | --- | 100 | 2 | 66 | 3 | 26 | --- | 1 | --- | 2 |
| Other Signs..... | --- | --- | 12 | --- | 7 | --- | 4 | --- | 1 | --- | --- |
| No Signs Or Signl | --- | --- | 140 | 1 | 88 | 4 | 33 | 1 | 10 | --- | 3 |
| Total..... | 33 | --- | 417 | 10 | 278 | 18 | 103 | 2 | 24 | --- | 15 |

Note: If a rail consist is intentionally grounded to prevent activation of the warning device, these are reported as "N/A."

TABLE 72. PRIVATE CROSSINGS AT-GRADE BY STATE AND TYPE DEVELOPMENT, 1994

| State | Farm | Residential | Recreational | Industrial | Unknown | Total |
|------------------|--------|-------------|--------------|------------|---------|---------|
| Alabama | 1,353 | 265 | 13 | 480 | 0 | 2,111 |
| Alaska | 4 | 14 | 5 | 85 | 0 | 108 |
| Arizona | 396 | 24 | 13 | 255 | 0 | 688 |
| Arkansas | 1,001 | 220 | 20 | 282 | 0 | 1,523 |
| California | 2,154 | 346 | 123 | 2,263 | 9 | 4,895 |
| Colorado | 897 | 258 | 23 | 264 | 6 | 1,448 |
| Connecticut | 49 | 30 | 32 | 149 | 1 | 261 |
| Delaware | 87 | 38 | 6 | 22 | 0 | 153 |
| Dist Of Columbia | 0 | 0 | 0 | 12 | 0 | 12 |
| Florida | 367 | 205 | 33 | 440 | 418 | 1,463 |
| Georgia | 1,553 | 654 | 26 | 557 | 0 | 2,790 |
| Idaho | 888 | 58 | 9 | 467 | 0 | 1,422 |
| Illinois | 3,802 | 506 | 82 | 1,359 | 0 | 5,749 |
| Indiana | 1,914 | 343 | 29 | 612 | 4 | 2,902 |
| Iowa | 3,218 | 331 | 51 | 697 | 1 | 4,298 |
| Kansas | 3,608 | 208 | 8 | 431 | 1 | 4,256 |
| Kentucky | 1,604 | 786 | 18 | 422 | 0 | 2,830 |
| Louisiana | 1,787 | 520 | 22 | 969 | 1 | 3,299 |
| Maine | 410 | 118 | 77 | 329 | 0 | 934 |
| Maryland | 427 | 78 | 17 | 210 | 0 | 732 |
| Massachusetts | 170 | 68 | 39 | 261 | 0 | 538 |
| Michigan | 1,332 | 395 | 125 | 874 | 0 | 2,726 |
| Minnesota | 2,263 | 239 | 49 | 589 | 0 | 3,140 |
| Mississippi | 1,431 | 377 | 6 | 276 | 0 | 2,090 |
| Missouri | 2,336 | 337 | 27 | 599 | 1 | 3,300 |
| Montana | 1,624 | 108 | 23 | 302 | 0 | 2,057 |
| Nebraska | 2,488 | 86 | 13 | 237 | 0 | 2,824 |
| Nevada | 28 | 3 | 3 | 30 | 194 | 258 |
| New Hampshire | 152 | 87 | 23 | 82 | 0 | 344 |
| New Jersey | 198 | 62 | 12 | 321 | 1 | 594 |
| New Mexico | 447 | 32 | 4 | 112 | 0 | 595 |
| New York | 2,161 | 337 | 99 | 582 | 0 | 3,179 |
| North Carolina | 1,773 | 922 | 34 | 902 | 1 | 3,632 |
| North Dakota | 1,960 | 26 | 10 | 188 | 0 | 2,184 |
| Ohio | 2,617 | 342 | 45 | 950 | 1 | 3,955 |
| Oklahoma | 1,357 | 153 | 10 | 259 | 0 | 1,779 |
| Oregon | 1,395 | 337 | 42 | 1,104 | 0 | 2,878 |
| Pennsylvania | 1,483 | 522 | 156 | 1,289 | 0 | 3,450 |
| Rhode Island | 7 | 18 | 9 | 37 | 0 | 71 |
| South Carolina | 754 | 292 | 16 | 297 | 0 | 1,359 |
| South Dakota | 1,143 | 81 | 3 | 134 | 0 | 1,361 |
| Tennessee | 1,133 | 398 | 22 | 395 | 0 | 1,948 |
| Texas | 4,421 | 533 | 36 | 1,566 | 3 | 6,559 |
| Utah | 524 | 46 | 10 | 209 | 0 | 789 |
| Vermont | 450 | 62 | 29 | 109 | 0 | 650 |
| Virginia | 533 | 206 | 12 | 319 | 2,075 | 3,145 |
| Washington | 1,571 | 431 | 55 | 1,155 | 0 | 3,212 |
| West Virginia | 915 | 674 | 50 | 668 | 1 | 2,308 |
| Wisconsin | 1,926 | 255 | 60 | 743 | 0 | 2,984 |
| Wyoming | 778 | 16 | 0 | 136 | 0 | 930 |
| Puerto Rico | 2 | 0 | 0 | 0 | 0 | 2 |
| FINAL TOTALS | 64,891 | 12,447 | 1,629 | 25,030 | 2,718 | 106,715 |

**TABLE 73. PRIVATE CROSSINGS AT-GRADE BY STATE AND TYPE
WARNING DEVICE, 1994**

| State | Signs | Signals | No Signs or Signals | Unknown | Total |
|------------------|--------|---------|------------------------|---------|---------|
| Alabama | 649 | 18 | 1,443 | 1 | 2,111 |
| Alaska | 70 | 0 | 38 | 0 | 108 |
| Arizona | 418 | 5 | 265 | 0 | 688 |
| Arkansas | 230 | 6 | 1,287 | 0 | 1,523 |
| California | 3,609 | 102 | 1,184 | 0 | 4,895 |
| Colorado | 764 | 11 | 673 | 0 | 1,448 |
| Connecticut | 211 | 42 | 8 | 0 | 261 |
| Delaware | 19 | 0 | 134 | 0 | 153 |
| Dist Of Columbia | 0 | 0 | 12 | 0 | 12 |
| Florida | 957 | 48 | 458 | 0 | 1,463 |
| Georgia | 1,447 | 11 | 1,332 | 0 | 2,790 |
| Idaho | 289 | 10 | 1,123 | 0 | 1,422 |
| Illinois | 559 | 109 | 5,081 | 0 | 5,749 |
| Indiana | 274 | 39 | 2,589 | 0 | 2,902 |
| Iowa | 677 | 15 | 3,606 | 0 | 4,298 |
| Kansas | 274 | 5 | 3,977 | 0 | 4,256 |
| Kentucky | 558 | 28 | 2,244 | 0 | 2,830 |
| Louisiana | 403 | 31 | 2,865 | 0 | 3,299 |
| Maine | 291 | 16 | 627 | 0 | 934 |
| Maryland | 141 | 8 | 583 | 0 | 732 |
| Massachusetts | 174 | 13 | 351 | 0 | 538 |
| Michigan | 315 | 35 | 2,376 | 0 | 2,726 |
| Minnesota | 1,105 | 19 | 2,016 | 0 | 3,140 |
| Mississippi | 196 | 4 | 1,890 | 0 | 2,090 |
| Missouri | 253 | 26 | 3,021 | 0 | 3,300 |
| Montana | 512 | 9 | 1,536 | 0 | 2,057 |
| Nebraska | 150 | 6 | 2,668 | 0 | 2,824 |
| Nevada | 104 | 4 | 149 | 1 | 258 |
| New Hampshire | 49 | 4 | 291 | 0 | 344 |
| New Jersey | 155 | 13 | 426 | 0 | 594 |
| New Mexico | 234 | 3 | 358 | 0 | 595 |
| New York | 319 | 31 | 2,829 | 0 | 3,179 |
| North Carolina | 1,303 | 19 | 2,310 | 0 | 3,632 |
| North Dakota | 368 | 1 | 1,815 | 0 | 2,184 |
| Ohio | 332 | 44 | 3,579 | 0 | 3,955 |
| Oklahoma | 255 | 9 | 1,515 | 0 | 1,779 |
| Oregon | 944 | 24 | 1,909 | 1 | 2,878 |
| Pennsylvania | 765 | 28 | 2,657 | 0 | 3,450 |
| Rhode Island | 41 | 1 | 29 | 0 | 71 |
| South Carolina | 955 | 9 | 395 | 0 | 1,359 |
| South Dakota | 235 | 2 | 1,123 | 1 | 1,361 |
| Tennessee | 345 | 12 | 1,591 | 0 | 1,948 |
| Texas | 1,430 | 80 | 5,049 | 0 | 6,559 |
| Utah | 173 | 5 | 611 | 0 | 789 |
| Vermont | 72 | 6 | 572 | 0 | 650 |
| Virginia | 379 | 28 | 2,738 | 0 | 3,145 |
| Washington | 614 | 17 | 2,581 | 0 | 3,212 |
| West Virginia | 311 | 11 | 1,986 | 0 | 2,308 |
| Wisconsin | 414 | 20 | 2,550 | 0 | 2,984 |
| Wyoming | 306 | 5 | 619 | 0 | 930 |
| Puerto Rico | 1 | 1 | 0 | 0 | 2 |
| FINAL TOTALS | 24,649 | 993 | 81,069 | 4 | 106,715 |

**TABLE 74. PRIVATE CROSSINGS AT-GRADE BY TYPE DEVELOPMENT
AND WARNING DEVICE, 1994**

| State | Signs | Signals | No Signs or Signals | Unknown | Total |
|--------------|--------|---------|------------------------|---------|---------|
| Farm..... | 11,303 | 97 | 53,491 | 0 | 64,891 |
| Residential. | 3,958 | 77 | 8,412 | 0 | 12,447 |
| Recreational | 671 | 27 | 931 | 0 | 1,629 |
| Industrial.. | 8,184 | 769 | 16,073 | 4 | 25,030 |
| Unknown..... | 533 | 23 | 2,162 | 0 | 2,718 |
| FINAL TOTALS | 24,649 | 993 | 81,069 | 4 | 106,715 |

**TABLE 75. PRIVATE CROSSINGS AT-GRADE BY RAILROAD AND
TYPE DEVELOPMENT, 1994**

| Railroad | Farm | Residential | Recreational | Industrial | Unknown | Total |
|--|-------|-------------|--------------|------------|---------|--------|
| Alaska Railroad Corp. | 4 | 14 | 5 | 85 | 0 | 108 |
| Allegheny and Eastern Railroad | 40 | 16 | 5 | 21 | 0 | 82 |
| Amtrak (Nat'l Railroad Passenger Corp.) | 35 | 13 | 3 | 16 | 1 | 68 |
| Arkansas & Missouri Railroad Co. | 65 | 16 | 0 | 11 | 0 | 92 |
| Arkansas Midland Railroad Co., Inc. | 54 | 9 | 1 | 28 | 0 | 92 |
| Atchison, Topeka & Santa Fe Railway Co. | 2,324 | 211 | 20 | 1,109 | 2 | 3,666 |
| Atlanta & Saint Andrews Bay Railway Co. | 21 | 16 | 2 | 26 | 5 | 70 |
| Austin & Northwestern Railroad | 83 | 11 | 2 | 12 | 0 | 108 |
| Bangor & Aroostook Railroad | 184 | 35 | 48 | 118 | 0 | 385 |
| Bessemer & Lake Erie Railroad Co. | 38 | 12 | 2 | 44 | 0 | 96 |
| Boston & Maine Corp. | 142 | 57 | 18 | 195 | 0 | 412 |
| Buffalo & Pittsburgh Railroad, Inc. | 145 | 66 | 12 | 40 | 0 | 263 |
| Burlington Northern Railroad Co. | 9,339 | 1,044 | 132 | 2,303 | 2 | 12,820 |
| Camas Prairie Railroad Co. | 87 | 4 | 1 | 24 | 0 | 116 |
| Canadian Pacific Railway Co. | 101 | 12 | 22 | 45 | 0 | 180 |
| Cedar Rapids & Iowa City Railway Co. | 53 | 16 | 1 | 22 | 0 | 92 |
| Cedar River Railroad Co. | 86 | 9 | 2 | 7 | 0 | 104 |
| Central Kansas Railway, Inc. | 469 | 52 | 0 | 58 | 0 | 579 |
| Central Michigan Railway Co. | 74 | 23 | 2 | 88 | 0 | 187 |
| Central Railroad Co. Of Indianapolis | 1 | 1 | 0 | 1 | 0 | 3 |
| Central Vermont Railway, Inc. | 142 | 29 | 6 | 46 | 0 | 223 |
| Chehalis Western | 62 | 10 | 0 | 24 | 0 | 96 |
| Chicago & North Western Transportation Co. | 3,043 | 253 | 47 | 841 | 0 | 4,184 |
| Chicago Missouri & Western Railway | 92 | 3 | 0 | 20 | 0 | 115 |
| Chicago, Central & Pacific Railroad Co. | 524 | 24 | 3 | 150 | 0 | 701 |
| Columbus & Greenville Railway Co. | 242 | 39 | 0 | 29 | 0 | 310 |
| Consolidated Rail Corp. | 4,105 | 916 | 220 | 2,080 | 2 | 7,323 |
| CSX Transportation | 5,385 | 1,937 | 157 | 2,760 | 848 | 11,087 |
| Dakota, Minnesota & Eastern Railroad | 480 | 7 | 1 | 66 | 0 | 554 |
| Dakota, Missouri Valley & Western Railroad | 159 | 0 | 0 | 0 | 0 | 159 |
| Delaware & Hudson Railway Co. | 305 | 49 | 37 | 55 | 0 | 446 |
| Delta Southern Railroad Co. | 99 | 12 | 0 | 8 | 0 | 119 |
| Denver & Rio Grande Western Railroad Co. | 310 | 175 | 16 | 168 | 4 | 673 |
| Department of Defense - Other | 22 | 14 | 1 | 194 | 3 | 234 |
| Detroit & Mackinac Railway Co. | 88 | 64 | 31 | 24 | 0 | 207 |
| Duluth, Missabe & Iron Range Railway Co. | 24 | 17 | 1 | 89 | 0 | 131 |
| Eastern Idaho Railroad | 162 | 4 | 1 | 102 | 0 | 269 |
| Elgin, Joliet & Eastern Railway Co. | 51 | 1 | 0 | 37 | 0 | 89 |
| EsCANABA & Lake Superior Railroad Co. | 73 | 28 | 30 | 31 | 0 | 162 |
| Florida Central Railroad Co. | 5 | 12 | 1 | 16 | 21 | 55 |
| Florida East Coast Railway Co. | 5 | 3 | 1 | 19 | 86 | 114 |
| Fox Valley & Western Ltd. | 261 | 57 | 13 | 118 | 0 | 449 |
| Gateway Western Railway | 135 | 1 | 1 | 19 | 0 | 156 |
| Georgia Central Railroad | 48 | 20 | 3 | 16 | 0 | 87 |
| Georgia Southwestern Railroad Division | 111 | 27 | 6 | 22 | 0 | 166 |
| Grainbelt Corp. | 86 | 1 | 1 | 5 | 0 | 93 |
| Grand Trunk Western Railroad Inc. | 398 | 25 | 4 | 71 | 0 | 498 |
| Great Western Railway Co. | 113 | 4 | 1 | 9 | 0 | 127 |
| Gulf And Mississippi Railroad Corp. | 306 | 95 | 3 | 56 | 0 | 460 |
| Hillsdale County Railway Co., Inc. | 56 | 5 | 1 | 6 | 0 | 68 |
| Houston Belt & Terminal Railway Co. | 0 | 1 | 0 | 42 | 0 | 43 |
| Huron & Eastern Railway | 101 | 7 | 2 | 44 | 0 | 154 |
| Idaho Northern & Pacific Railroad Co. | 118 | 5 | 0 | 59 | 0 | 182 |
| Illinois Central Railroad Co. | 1,109 | 241 | 8 | 349 | 0 | 1,707 |
| Indiana & Ohio Central Railroad, Inc. | 67 | 3 | 1 | 16 | 0 | 87 |
| Indiana Hi-Rail Corp. | 69 | 10 | 1 | 26 | 0 | 106 |
| Indiana Rail Road Co. | 103 | 23 | 2 | 24 | 0 | 152 |
| Iowa Interstate Railroad | 250 | 28 | 1 | 47 | 0 | 326 |
| Iowa Northern Railway Co. | 97 | 16 | 2 | 4 | 0 | 119 |
| Kankakee, Beaverville & Southern Railroad | 57 | 0 | 1 | 2 | 0 | 60 |
| Kansas City Southern Railway Co. | 291 | 42 | 5 | 154 | 0 | 492 |
| Kansas City Terminal Railway Co. | 78 | 1 | 0 | 15 | 1 | 95 |
| Kansas Southwestern Railway | 129 | 7 | 0 | 27 | 0 | 163 |
| Kiamichi Railroad Co., Inc. | 59 | 27 | 0 | 11 | 0 | 97 |
| Kyle Railroad Co. | 321 | 22 | 3 | 21 | 0 | 367 |
| Lamoille Valley Railroad Co. | 87 | 3 | 8 | 7 | 0 | 105 |
| Long Island Rail Road | 67 | 4 | 3 | 8 | 0 | 82 |

**TABLE 75. PRIVATE CROSSINGS AT-GRADE BY RAILROAD AND
TYPE DEVELOPMENT, CONT., 1994**

| Railroad | Farm | Residential | Recreational | Industrial | Unknown | Total |
|--|--------|-------------|--------------|------------|---------|---------|
| Louisiana & Arkansas Railway Co. | 446 | 62 | 1 | 70 | 0 | 579 |
| Louisiana & Delta Railroad | 133 | 12 | 1 | 27 | 0 | 173 |
| Maine Department Of Transportation | 46 | 23 | 3 | 15 | 0 | 87 |
| Maryland & Delaware Railroad Co. | 106 | 14 | 1 | 16 | 0 | 137 |
| Maryland Dept. Of Transportation | 76 | 11 | 2 | 12 | 0 | 101 |
| Mass. Bay Transporatation Authority | 15 | 8 | 6 | 19 | 0 | 48 |
| Mid-Atlantic Railroad Co., Inc. | 50 | 48 | 0 | 25 | 0 | 123 |
| Mid-Michigan Railroad Co. | 41 | 3 | 4 | 47 | 0 | 95 |
| Midd States Port Authority | 156 | 4 | 1 | 9 | 0 | 170 |
| Midsouth Railroad Corp. | 130 | 62 | 0 | 77 | 0 | 269 |
| Missouri & Northern Arkansas Railroad Co. | 265 | 12 | 0 | 76 | 0 | 353 |
| Monongahela Railway Co. | 40 | 18 | 2 | 33 | 0 | 93 |
| Montana Rail Link | 467 | 63 | 15 | 139 | 0 | 684 |
| MNVA Railroad, Inc. | 81 | 14 | 0 | 6 | 0 | 101 |
| Nashville & Eastern Railroad | 126 | 13 | 1 | 11 | 0 | 151 |
| Nebraska Central Railroad | 218 | 1 | 1 | 16 | 0 | 236 |
| New Jersey Transit Rail Operations | 43 | 15 | 5 | 33 | 0 | 96 |
| New Orleans Lower Coast Railroad, Inc. | 20 | 106 | 9 | 45 | 0 | 180 |
| New Orleans Public Belt Railroad | 0 | 0 | 0 | 156 | 0 | 156 |
| New York City Trans. Authority (MTA) | 6 | 0 | 1 | 8 | 0 | 15 |
| New York, Susquehanna & Western Railroad Co. | 149 | 30 | 2 | 42 | 0 | 223 |
| Norfolk Southern Corp. | 5,936 | 2,163 | 75 | 1,901 | 1,428 | 11,503 |
| North Carolina Department Of Transportation | 39 | 68 | 0 | 15 | 0 | 122 |
| Northeast Kansas & Missouri | 103 | 3 | 0 | 0 | 0 | 106 |
| Ohio Central Railroad Co. | 121 | 4 | 0 | 25 | 0 | 150 |
| Oklahoma Department Of Transportation | 80 | 17 | 0 | 8 | 0 | 105 |
| Oklahoma Kansas & Texas Railroad Co. | 88 | 5 | 1 | 16 | 0 | 110 |
| Paducah & Louisville Railway Co. | 118 | 30 | 1 | 36 | 0 | 185 |
| Pittsburgh & Lake Erie Railroad Co. | 1 | 29 | 5 | 64 | 0 | 99 |
| Prairie Trunk Railway | 54 | 3 | 1 | 3 | 0 | 61 |
| Providence & Worcester Railroad Co. | 46 | 17 | 12 | 48 | 0 | 123 |
| Red River Valley & Western Railroad | 293 | 4 | 0 | 19 | 0 | 316 |
| Seminole Gulf Railroad | 7 | 1 | 1 | 13 | 9 | 31 |
| Soo Line Railroad Co. | 1,996 | 236 | 48 | 452 | 0 | 2,732 |
| South Carolina Central Railroad Co., Inc. | 31 | 14 | 0 | 20 | 0 | 65 |
| South Dakota Railroad Authority | 217 | 41 | 2 | 22 | 0 | 282 |
| South Kansas & Oklahoma Railroad Co. | 212 | 9 | 0 | 24 | 0 | 245 |
| South Orient Railroad Co., Ltd. | 156 | 4 | 1 | 12 | 0 | 173 |
| Southeastern Pennsylvania Transportation | 22 | 12 | 2 | 17 | 0 | 53 |
| Southern Pacific Transportation Co. | 2,252 | 371 | 108 | 2,075 | 87 | 4,893 |
| Southern Pacific, Chicago-St. Louis Corp. | 59 | 5 | 0 | 23 | 0 | 87 |
| Springfield Terminal Railway Co. (Vermont) | 108 | 31 | 6 | 138 | 0 | 283 |
| St. Louis Southwestern Railway Co. | 614 | 75 | 4 | 87 | 0 | 780 |
| State Subsidy | 64 | 32 | 12 | 31 | 0 | 139 |
| Tennessee Southern Railroad Co., Inc. | 52 | 5 | 0 | 8 | 0 | 65 |
| Terminal Railroad Association Of St. Louis | 3 | 0 | 0 | 9 | 0 | 12 |
| Texas & Oklahoma Railroad Co. | 179 | 2 | 0 | 9 | 0 | 190 |
| Texas Mexican Railway Co. | 117 | 18 | 2 | 57 | 1 | 195 |
| Texas Northeastern Division--Mid-Michigan | 94 | 7 | 1 | 13 | 0 | 115 |
| Toledo, Peoria & Western Railway Corp. | 192 | 21 | 0 | 57 | 0 | 270 |
| Tulare Valley Railroad Co. | 141 | 4 | 0 | 87 | 0 | 232 |
| Tuscola & Saginaw Bay Railroad Co., Inc. | 106 | 51 | 6 | 80 | 0 | 243 |
| Twin City & Western Railroad | 102 | 2 | 0 | 2 | 0 | 106 |
| Union Pacific Railroad Co. | 7,475 | 815 | 63 | 2,151 | 105 | 10,609 |
| Vermont Railway, Inc. | 100 | 16 | 4 | 28 | 0 | 148 |
| Washington Central Railroad Co. | 202 | 66 | 6 | 70 | 0 | 344 |
| Wheeling & Lake Erie Railway Co. | 231 | 42 | 6 | 163 | 0 | 442 |
| Wisconsin & Southern Railroad Co. | 275 | 4 | 5 | 31 | 0 | 315 |
| Wisconsin Central Ltd. (also Railway) | 719 | 117 | 23 | 348 | 0 | 1,207 |
| All Unknown Railroads | 6,432 | 1,675 | 278 | 3,796 | 113 | 12,294 |
| FINAL TOTALS | 64,891 | 12,447 | 1,629 | 25,030 | 2,718 | 106,715 |

**TABLE 76. PRIVATE CROSSINGS AT-GRADE BY RAILROAD AND
TYPE WARNING DEVICE, 1994**

| Railroad | No Signs | | | Unknown | Total |
|--|----------|---------|------------|---------|--------|
| | Signs | Signals | or Signals | | |
| Alaska Railroad Corp. | 70 | 0 | 38 | 0 | 108 |
| Allegheny and Eastern Railroad | 10 | 1 | 71 | 0 | 82 |
| Amtrak (Nat'l Railroad Passenger Corp.) | 31 | 8 | 29 | 0 | 68 |
| Arkansas & Missouri Railroad Co. | 3 | 0 | 89 | 0 | 92 |
| Arkansas Midland Railroad Co. Inc. | 4 | 0 | 88 | 0 | 92 |
| Atchison, Topeka & Santa Fe Railway Co. | 1,167 | 47 | 2,452 | 0 | 3,666 |
| Atlanta & Saint Andrews Bay Railway Co. | 40 | 0 | 30 | 0 | 70 |
| Austin & Northwestern Railroad | 14 | 0 | 94 | 0 | 108 |
| Bangor & Aroostook Railroad | 86 | 5 | 294 | 0 | 385 |
| Bessemer & Lake Erie Railroad Co. | 11 | 0 | 85 | 0 | 96 |
| Boston & Maine Corp. | 85 | 13 | 314 | 0 | 412 |
| Buffalo & Pittsburgh Railroad, Inc. | 22 | 0 | 241 | 0 | 263 |
| Burlington Northern Railroad Co. | 2,898 | 117 | 9,804 | 1 | 12,820 |
| Camas Prairie Railroad Co. | 16 | 1 | 99 | 0 | 116 |
| Canadian Pacific Railway Co. | 54 | 2 | 124 | 0 | 180 |
| Cedar Rapids & Iowa City Railway Co. | 11 | 0 | 81 | 0 | 92 |
| Cedar River Railroad Co. | 81 | 0 | 23 | 0 | 104 |
| Central Kansas Railway, Inc. | 39 | 0 | 540 | 0 | 579 |
| Central Michigan Railway Co. | 15 | 0 | 172 | 0 | 187 |
| Central Railroad Co. Of Indianapolis | 1 | 0 | 2 | 0 | 3 |
| Central Vermont Railway, Inc. | 63 | 9 | 151 | 0 | 223 |
| Chehalis Western | 21 | 0 | 75 | 0 | 96 |
| Chicago & North Western Transportation Co. | 504 | 20 | 3,660 | 0 | 4,184 |
| Chicago Missouri & Western Railway | 5 | 0 | 110 | 0 | 115 |
| Chicago, Central & Pacific Railroad Co. | 267 | 2 | 432 | 0 | 701 |
| Columbus & Greenville Railway Co. | 5 | 0 | 305 | 0 | 310 |
| Consolidated Rail Corp. | 940 | 70 | 6,313 | 0 | 7,323 |
| CSX Transportation | 4,271 | 166 | 6,650 | 0 | 11,087 |
| Dakota, Minnesota & Eastern Railroad | 52 | 0 | 501 | 1 | 554 |
| Dakota, Missouri Valley & Western Railroad | 12 | 0 | 147 | 0 | 159 |
| Delaware & Hudson Railway Co. | 33 | 9 | 404 | 0 | 446 |
| Delta Southern Railroad Co. | 11 | 0 | 108 | 0 | 119 |
| Denver & Rio Grande Western Railroad Co. | 564 | 3 | 106 | 0 | 673 |
| Department of Defense - Other | 146 | 0 | 88 | 0 | 234 |
| Detroit & Mackinac Railway Co. | 28 | 0 | 179 | 0 | 207 |
| Duluth, Missabe & Iron Range Railway Co. | 117 | 2 | 12 | 0 | 131 |
| Eastern Idaho Railroad | 38 | 2 | 229 | 0 | 269 |
| Elgin, Joliet & Eastern Railway Co. | 16 | 5 | 68 | 0 | 89 |
| Escanaba & Lake Superior Railroad Co. | 15 | 2 | 145 | 0 | 162 |
| Florida Central Railroad Co. | 51 | 1 | 3 | 0 | 55 |
| Florida East Coast Railway Co. | 55 | 5 | 54 | 0 | 114 |
| Fox Valley & Western Ltd. | 57 | 3 | 389 | 0 | 449 |
| Gateway Western Railway | 5 | 0 | 151 | 0 | 156 |
| Georgia Central Railroad | 84 | 0 | 3 | 0 | 87 |
| Georgia Southwestern Railroad Division | 126 | 0 | 40 | 0 | 166 |
| Grainbelt Corp. | 2 | 1 | 90 | 0 | 93 |
| Grand Trunk Western Railroad Inc. | 35 | 12 | 451 | 0 | 498 |
| Great Western Railway Co. | 43 | 1 | 83 | 0 | 127 |
| Gulf And Mississippi Railroad Corp. | 36 | 0 | 424 | 0 | 460 |
| Hillsdale County Railway Company, Inc. | 1 | 0 | 67 | 0 | 68 |
| Houston Belt & Terminal Railway Co. | 5 | 0 | 38 | 0 | 43 |
| Huron & Eastern Railway | 4 | 0 | 150 | 0 | 154 |
| Idaho Northern & Pacific Railroad Co. | 37 | 2 | 143 | 0 | 182 |
| Illinois Central Railroad Co. | 231 | 21 | 1,455 | 0 | 1,707 |
| Indiana & Ohio Central Railroad, Inc. | 2 | 0 | 85 | 0 | 87 |
| Indiana Hi-Rail Corp. | 5 | 0 | 101 | 0 | 106 |
| Indiana Rail Road Co. | 10 | 0 | 142 | 0 | 152 |
| Iowa Interstate Railroad | 35 | 3 | 288 | 0 | 326 |
| Iowa Northern Railway Co. | 6 | 0 | 113 | 0 | 119 |
| Kankakee, Beaverville & Southern Railroad | 1 | 1 | 58 | 0 | 60 |
| Kansas City Southern Railway Co. | 90 | 4 | 398 | 0 | 492 |
| Kansas City Terminal Railway Co. | 16 | 0 | 79 | 0 | 95 |
| Kansas Southwestern Railway | 3 | 0 | 160 | 0 | 163 |
| Kiamichi Railroad Company, Inc. | 19 | 0 | 78 | 0 | 97 |
| Kyle Railroad Co. | 8 | 0 | 359 | 0 | 367 |
| Lamoille Valley Railroad Co. | 4 | 0 | 101 | 0 | 105 |

**TABLE 76. PRIVATE CROSSINGS AT-GRADE BY RAILROAD AND
WARNING DEVICE, CONT., 1994**

| Railroad | Signs | No Signs | | Unknown | Total |
|--|---------------|------------|---------------|----------|----------------|
| | | Signals | or Signals | | |
| Long Island Rail Road | 3 | 5 | 74 | 0 | 82 |
| Louisiana & Arkansas Railway Co. | 58 | 4 | 517 | 0 | 579 |
| Louisiana & Delta Railroad | 11 | 0 | 162 | 0 | 173 |
| Maine Department Of Transportation | 27 | 1 | 59 | 0 | 87 |
| Maryland & Delaware Railroad Co. | 5 | 0 | 132 | 0 | 137 |
| Maryland Dept. Of Transportation | 3 | 0 | 98 | 0 | 101 |
| Mass. Bay Transporatation Authority | 24 | 0 | 24 | 0 | 48 |
| Mid-Atlantic Railroad Co. Inc. | 110 | 0 | 13 | 0 | 123 |
| Mid-Michigan Railroad Co. | 6 | 0 | 89 | 0 | 95 |
| Midd States Port Authority | 14 | 0 | 156 | 0 | 170 |
| Midsouth Railroad Corp. | 39 | 0 | 230 | 0 | 269 |
| Missouri & Northern Arkansas Railroad Co. | 26 | 0 | 327 | 0 | 353 |
| Monongahela Railway Co. | 33 | 0 | 60 | 0 | 93 |
| Montana Rail Link | 149 | 4 | 531 | 0 | 684 |
| MNVA Railroad, Inc. | 8 | 0 | 93 | 0 | 101 |
| Nashville & Eastern Railroad | 2 | 0 | 149 | 0 | 151 |
| Nebraska Central Railroad | 6 | 0 | 230 | 0 | 236 |
| New Jersey Transit Rail Operations | 36 | 3 | 57 | 0 | 96 |
| New Orleans Lower Coast Railroad, Inc. | 8 | 1 | 171 | 0 | 180 |
| New Orleans Public Belt Railroad | 24 | 0 | 132 | 0 | 156 |
| New York City Trans. Authority (MTA) | 8 | 0 | 7 | 0 | 15 |
| New York, Susquehanna & Western Railroad Co. | 27 | 2 | 194 | 0 | 223 |
| Norfolk Southern Corp. | 1,617 | 52 | 9,833 | 1 | 11,503 |
| North Carolina Department Of Transportation | 11 | 0 | 111 | 0 | 122 |
| Northeast Kansas & Missouri | 1 | 0 | 105 | 0 | 106 |
| Ohio Central Railroad Co. | 28 | 0 | 122 | 0 | 150 |
| Oklahoma Department Of Transportation | 11 | 0 | 94 | 0 | 105 |
| Oklahoma Kansas & Texas Railroad Co. | 14 | 1 | 95 | 0 | 110 |
| Paducah & Louisville Railway Co. | 44 | 3 | 138 | 0 | 185 |
| Pittsburgh & Lake Erie Railroad Co. | 60 | 6 | 33 | 0 | 99 |
| Prairie Trunk Railway | 3 | 0 | 58 | 0 | 61 |
| Providence & Worcester Railroad Co. | 76 | 7 | 40 | 0 | 123 |
| Red River Valley & Western Railroad | 45 | 0 | 271 | 0 | 316 |
| Seminole Gulf Railroad | 23 | 0 | 8 | 0 | 31 |
| Soo Line Railroad Co. | 237 | 19 | 2,476 | 0 | 2,732 |
| South Carolina Central Railroad Co. | 57 | 0 | 8 | 0 | 65 |
| South Dakota Railroad Authority | 21 | 1 | 260 | 0 | 282 |
| South Kansas & Oklahoma Railroad Co. | 21 | 0 | 224 | 0 | 245 |
| South Orient Railroad Company, Ltd. | 44 | 0 | 129 | 0 | 173 |
| Southeastern Pennsylvania Transportation | 1 | 1 | 51 | 0 | 53 |
| Southern Pacific Transportation Co. | 2,148 | 97 | 2,648 | 0 | 4,893 |
| Southern Pacific, Chicago-St. Louis Corp. | 6 | 1 | 80 | 0 | 87 |
| Springfield Terminal Railway Co. | 108 | 9 | 166 | 0 | 283 |
| St. Louis Southwestern Railway Co. | 199 | 5 | 576 | 0 | 780 |
| State Subsidy | 41 | 0 | 98 | 0 | 139 |
| Tennessee Southern Railroad Co., Inc. | 1 | 2 | 62 | 0 | 65 |
| Terminal Railroad Association Of St. Louis | 4 | 0 | 8 | 0 | 12 |
| Texas & Oklahoma Railroad Co. | 4 | 0 | 186 | 0 | 190 |
| Texas Mexican Railway Co. | 18 | 22 | 155 | 0 | 195 |
| Texas Northeastern Division--Mid-Michigan | 14 | 0 | 101 | 0 | 115 |
| Toledo, Peoria & Western Railway Corp. | 16 | 0 | 254 | 0 | 270 |
| Tulare Valley Railroad Co. | 176 | 0 | 56 | 0 | 232 |
| Tuscola & Saginaw Bay Railroad Co., Inc. | 18 | 0 | 225 | 0 | 243 |
| Twin City & Western Railroad | 1 | 0 | 105 | 0 | 106 |
| Union Pacific Railroad Co. | 1,638 | 79 | 8,892 | 0 | 10,609 |
| Vermont Railway, Inc. | 17 | 3 | 128 | 0 | 148 |
| Washington Central Railroad Co. | 65 | 0 | 279 | 0 | 344 |
| Wheeling & Lake Erie Railway Co. | 77 | 2 | 363 | 0 | 442 |
| Wisconsin & Southern Railroad Co. | 13 | 0 | 302 | 0 | 315 |
| Wisconsin Central Ltd. (also Railway) | 199 | 3 | 1,005 | 0 | 1,207 |
| All Unknown Railroads | 4,208 | 122 | 7,963 | 1 | 12,294 |
| FINAL TOTALS | 24,649 | 993 | 81,069 | 4 | 106,715 |

Appendix A

Reporting

Requirements

And

Definitions

ACCIDENT/INCIDENT REPORTABILITY REQUIREMENTS

The rules governing monthly reporting of railroad accidents/incidents in effect in 1992 define a reportable accident/incident as an event arising from the operation of a railroad that results in one or more stated circumstances.

- (a) An impact occurs 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 and/or track structures, and roadbed.
- (c) Any event arising from the operation of a railroad which results in:
 - (i) death of one or more persons;
 - (ii) injury to one or more persons, other than railroad employees, requiring medical treatment;
 - (iii) injury to one or more employees requiring medical treatment or resulting in restriction of work or motion for one or more days, one or more lost work days, transfer to another job, termination of employment or loss of consciousness;
 - (iv) any occupational illness of railroad employee diagnosed by a physician.

DEFINITIONS

Annual Average Daily Traffic. An estimate of the annual average daily highway traffic in both traffic directions.

Active Warning Devices. A warning system activated by an approaching train: gates, flashing lights, highway signal, wigwags, or bells.

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. Also includes on-track maintenance equipment.

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

Commercial Power. A source of commercial power within 500 feet of a crossing.

Consist. On-track railroad equipment such as a train, locomotive, group of railroad cars, 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.

Crossing Surfaces.

1. Sectional treated timber. Prefabricated units approximately eight feet long, made of treated timber, individually installed, and removable for maintenance and replacement purpose.
2. Full wood plank. A wood surface, other than sectional treated timber, covering the entire crossing area above crossties.
3. Asphalt. A surface over the entire crossing area or the area between plants or other material which forms flangeway openings with or without single planks on the outside of running rails.
4. Concrete slab. Precast concrete slabs which are installed and individually removable for maintenance and replacement.
5. Concrete pavement. A continuous concrete surface over the track area which cannot be removed except by destruction of the surface.
6. Rubber slabs. Performed rubber sections which can be installed and removed individually for maintenance and replacement.
7. Metal sections. Preformed sections of steel or other metal which can be individually installed and removed for maintenance and replacement.

DEFINITIONS

8. Other metal. A crossing area completed with covered rails or other permanent metal materials in limited sectional units.
9. Unconsolidated. Ballast or other unconsolidated material placed above the tops of crossties with or without planks on one or both sides of running rail.

Daylight Train Movements. Train movements between 6 a.m. and 6 p.m.

Employee. A person engaged in railroad operations who works for a railroad company in return for financial or other 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.

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

Highway Signals. Train-activated highway lights (red-amber-green) that control highway traffic over the crossing.

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

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.

Maximum Timetable Speed. Maximum train speed permitted over a crossing.

Nearby Intersecting Highway. A highway intersection within 75 feet of the crossing.

Night Train Movements. Train movements between 6 p.m. and 6 a.m.

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 the result of railroad operations.

Number Of Crossbucks. Masts with crossbucks; a mast with two or more

DEFINITIONS

crossbucks is counted as one. A crossbuck on an active device is not counted.

On-Track Equipment. Railroad rolling stock used to transport freight or passenger. It includes locomotives, railroad cars, maintenance equipment, and one or more locomotives coupled to one or more cars.

Other Signs. Signs other than crossbucks or stop signs.

Other Stop Signs. Stop signs other than standard highway stop signs.

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

Passive Warning Device. A warning system not automatically activated by an approaching train: signs (crossbucks or standard highway signs) or special warning devices (manually operated gates, flood lights, etc.).

Pavement Markings. Markings prescribed or generally similar to those in highway traffic manuals, in particular, stoplines and railroad crossing symbols.

Percentage Trucks. The percentage of total daily highway traffic represented by trucks.

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

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

Railroad Advance Warning. Advance warning signs on any highway approach.

Rural Crossing. A crossing classification derived from the Functional Classification Code.

Signals For Train Operation. Automatic signals or interlocks which control train operations in the vicinity of a crossing.

Smallest Crossing Angle. The smallest angle between the highway and the track.

Special Warning Devices. Non-train-activated devices other than signs including manually operated gates, train crews flagging a crossing, watchmen, and flood lights.

Speed Selection For Trains. A uniform warning time for the speed range of trains normally encountered at the crossing.

Standard Highway Stop Sign. Octagonal red sign with white lettering STOP.

Stop Signs. The standard highway stop sign or other stop signs.

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Switch Trains. All trains other than thru trains, including locals, industrial runs, and switch engines.

Thru Trains. Trains whose primary responsibility is to move cars over the road; they may have a limited number of pickups and setouts along the route.

Total Train Movements. All train movements for the reporting company and all other railroads operating over the crossing.

Traffic Lanes. Number of highway traffic lanes not including shoulders or parking lanes.

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.

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

Truck Pullout Lane. A special lane designed to accommodate vehicles which are required to stop at a crossing.

Type of Development.

1. Open space. An area that is undeveloped, sparsely developed, very lightly populated, or agricultural.
2. Residential. An area comprised of private residences.
3. Commercial. An area with retail stores, businesses, offices, and personal service offices.
4. Industrial. An area with manufacturing, construction, heavy products, factories, and warehouses.
5. Institutional. An area with schools, churches, hospitals, parks, and other community facilities.

Urban Crossing. A crossing classification derived from the Functional Classification Code.

DEFINITIONS

Warning Device Category. At crossings which have more than one warning device, the warning category is determined by the following method:

| | | |
|---------|----|-----------------------------------|
| Highest | 8) | Gates ² |
| | 7) | Flashing lights ¹ |
| | 6) | Highway signals, wigwags or bells |
| | 5) | Special warning devices |
| | 3) | Stop signs |
| | 4) | Crossbucks |
| | 2) | Other signs |
| Lowest | 1) | No signs or signals |

When cantilevered flashing lights are categorized separately, they are ranked eighth and gates are ranked ninth.

DEFINITIONS

DEFINITIONS

Appendix B

Reporting

Forms

DEFINITIONS

FORMS

Three separate forms may be required to properly report a highway-rail crossing accident/incident:

FRA F 6180-57 Grade Crossing Accident/Incident Report
FRA F 6180-55 Railroad Injury and Illness Summary
FRA F 6180-54 Rail Equipment Accident/Incident Report

For all reportable highway-rail crossing accidents/incidents, Form FRA F 6180-57 must be submitted by the carrier which has on-track equipment involved. If reportable casualties result, they must be individually reported on Form F 6180-55. If the accident resulted in more than \$6,300 in damages to railroad on-track equipment, signals, track, track structures, or roadbed, Form FRA 6180-54 must also be submitted.

DEFINITIONS

LIST OF ABBREVIATIONS

| | | |
|------------------|---|-----------------------------------|
| ACC/INC | - | Accident/Incident |
| A/I | - | Accident/Incident |
| CONT | - | Contractor Employee |
| ENOD | - | Employee Not On Duty |
| EOD | - | Employee On Duty |
| FA | - | Federal Aid |
| HWY | - | Highway |
| INJ | - | Injury or Casualty |
| K | - | Thousands |
| KLD | - | Killed |
| LOCO(S) | - | Locomotive |
| MUTCD Devices | - | Manual on Uniform Traffic Control |
| MV | - | Motor Vehicle |
| NONT | - | Non-Trespasser |
| PSGR | - | Passenger |
| SIG | - | Signal |
| TRES | - | Trespasser |
| VEH REG | - | Vehicles Registered |

Appendix C
Table Correction
From
1993

**TABLE 4. (MV) ACCIDENTS/INCIDENTS AT HIGHWAY-RAIL CROSSINGS,
BY STATE, 1993, CORRECTION**

| State | No. Of Acc/Inc | -----Casualties----- | | | Vehicles Registered | --Per 10,000 Registration-- | | |
|-------------------|-------------------|----------------------|-------|-------|------------------------|-----------------------------|-----|------|
| | | Kld | Inj | Total | | Acc/Inc | Kld | Inj. |
| Alabama..... | 164 | 23 | 53 | 76 | 3,402,000 | .48 | .07 | .16 |
| Alaska..... | 9 | --- | 4 | 4 | 512,000 | .18 | --- | .08 |
| Arizona..... | 26 | 2 | 10 | 12 | 2,861,000 | .09 | .01 | .03 |
| Arkansas..... | 136 | 21 | 54 | 75 | 1,538,000 | .88 | .14 | .35 |
| California..... | 152 | 29 | 39 | 68 | 23,082,000 | .07 | .01 | .02 |
| Colorado..... | 53 | 7 | 21 | 28 | 2,983,000 | .18 | .02 | .07 |
| Connecticut..... | 10 | 1 | 4 | 5 | 2,605,000 | .04 | --- | .02 |
| Delaware..... | 10 | --- | 6 | 6 | 567,000 | .18 | --- | .11 |
| Dist. of Columbia | --- | --- | --- | --- | 264,000 | --- | --- | --- |
| Florida..... | 101 | 16 | 68 | 84 | 10,686,000 | .09 | .01 | .06 |
| Georgia..... | 144 | 18 | 61 | 79 | 6,179,000 | .23 | .03 | .10 |
| Idaho..... | 43 | 6 | 13 | 19 | 1,065,000 | .40 | .06 | .12 |
| Illinois..... | 257 | 41 | 102 | 143 | 8,192,000 | .31 | .05 | .12 |
| Indiana..... | 270 | 33 | 88 | 121 | 4,717,000 | .57 | .07 | .19 |
| Iowa..... | 125 | 10 | 44 | 54 | 2,898,000 | .43 | .03 | .15 |
| Kansas..... | 97 | 5 | 32 | 37 | 2,012,000 | .48 | .02 | .16 |
| Kentucky..... | 66 | 5 | 36 | 41 | 3,059,000 | .22 | .02 | .12 |
| Louisiana..... | 199 | 19 | 93 | 112 | 3,178,000 | .63 | .06 | .29 |
| Maine..... | 4 | --- | 1 | 1 | 1,005,000 | .04 | --- | .01 |
| Maryland..... | 12 | --- | 4 | 4 | 3,814,000 | .03 | --- | .01 |
| Massachusetts.... | 9 | --- | --- | --- | 3,684,000 | .02 | --- | --- |
| Michigan..... | 151 | 14 | 78 | 92 | 7,538,000 | .20 | .02 | .10 |
| Minnesota..... | 116 | 15 | 38 | 53 | 3,659,000 | .32 | .04 | .10 |
| Mississippi..... | 120 | 13 | 62 | 75 | 2,025,000 | .59 | .06 | .31 |
| Missouri..... | 100 | 12 | 36 | 48 | 4,125,000 | .24 | .03 | .09 |
| Montana..... | 22 | 8 | 6 | 14 | 955,000 | .23 | .08 | .06 |
| Nebraska..... | 74 | 10 | 20 | 30 | 1,392,000 | .53 | .07 | .14 |
| Nevada..... | --- | --- | --- | --- | 970,000 | --- | --- | --- |
| New Hampshire.... | 3 | --- | --- | --- | 914,000 | .03 | --- | --- |
| New Jersey..... | 44 | 2 | 29 | 31 | 5,764,000 | .08 | --- | .05 |
| New Mexico..... | 22 | 4 | 22 | 26 | 1,405,000 | .16 | .03 | .16 |
| New York..... | 37 | 6 | 15 | 21 | 9,966,000 | .04 | .01 | .02 |
| North Carolina... | 149 | 12 | 47 | 59 | 5,471,000 | .27 | .02 | .09 |
| North Dakota..... | 36 | 7 | 16 | 23 | 684,000 | .53 | .10 | .23 |
| Ohio..... | 252 | 40 | 92 | 132 | 9,413,000 | .27 | .04 | .10 |
| Oklahoma..... | 116 | 12 | 61 | 73 | 2,844,000 | .41 | .04 | .21 |
| Oregon..... | 39 | 6 | 8 | 14 | 2,713,000 | .14 | .02 | .03 |
| Pennsylvania..... | 92 | 7 | 35 | 42 | 8,476,000 | .11 | .01 | .04 |
| Rhode Island..... | --- | --- | --- | --- | 636,000 | --- | --- | --- |
| South Carolina... | 74 | 17 | 33 | 50 | 2,613,000 | .28 | .07 | .13 |
| South Dakota..... | 29 | --- | 15 | 15 | 753,000 | .39 | --- | .20 |
| Tennessee..... | 96 | 9 | 22 | 31 | 4,827,000 | .20 | .02 | .05 |
| Texas..... | 452 | 65 | 184 | 249 | 13,032,000 | .35 | .05 | .14 |
| Utah..... | 25 | 5 | 5 | 10 | 1,301,000 | .19 | .04 | .04 |
| Vermont..... | 2 | --- | 4 | 4 | 483,000 | .04 | --- | .08 |
| Virginia..... | 69 | 4 | 17 | 21 | 5,455,000 | .13 | .01 | .03 |
| Washington..... | 55 | 4 | 11 | 15 | 4,556,000 | .12 | .01 | .02 |
| West Virginia.... | 28 | 1 | 8 | 9 | 1,297,000 | .22 | .01 | .06 |
| Wisconsin..... | 147 | 8 | 78 | 86 | 3,985,000 | .37 | .02 | .20 |
| Wyoming..... | 3 | --- | 2 | 2 | 512,000 | .06 | --- | .04 |
| Unknown..... | --- | --- | --- | --- | --- | --- | --- | --- |
| Total..... | 4,240 | 517 | 1,677 | 2,194 | 196,067,000 | .22 | .03 | .09 |



Note: Vehicle registration figures are for 1993 and were supplied by the Federal Highway Administration. Registration figures for Hawaii are omitted because it does not have any reporting railroads.