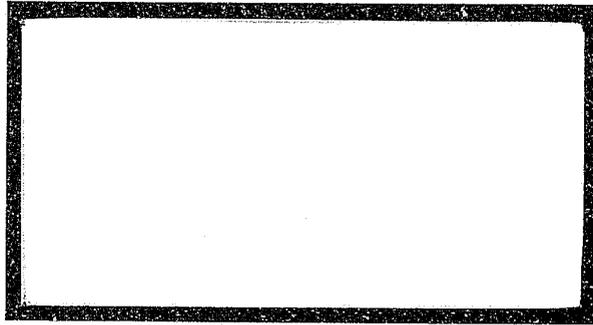


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1994

MISSOURI

TRAFFIC SAFETY

COMPENDIUM

NCJRS

OCT 18 1995

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FOREWORD

The 1994 Missouri Traffic Safety Compendium is the ninth in a series being produced annually by the Missouri State Highway Patrol, Statistical Analysis Center, working in conjunction with the Missouri Division of Highway Safety. This publication contains a compilation of statistics related to Missouri's traffic safety problems and assists the Patrol and Highway Safety in the identification of specific problems. The analysis in this publication has been prepared to be user friendly.

From the responses we have received from Federal, State, and local traffic authorities, it is apparent that this publication has proven to be very beneficial to other agencies as well as our own.

I encourage traffic safety authorities and other public officials to take full advantage of the strategies contained in this publication. The insights obtained from reviewing its contents can be an invaluable aid when conducting traffic safety problem identification, planning and policy-making. You also are accessing one of the finest planning documents available in the United States.

If you require more information on traffic safety programs or need additional statistical information services, please forward your requests to my office.

I would also like to take this opportunity to express my deepest appreciation to the staff at the Statistical Analysis Center for all the assistance they provide the Division of Highway Safety. They are truly second to none.



Dan A. Needham
Director

ACKNOWLEDGEMENTS

Traffic crash data used in development of this publication were obtained from the Statewide Traffic Accident Records System (STARS). This information system is designed to capture data on Missouri's traffic crash experience and is considered one of the most critical components of the State's overall traffic records system. The Missouri State Highway Patrol, Traffic Division is directly responsible for coordinating the STARS program as well as encoding all traffic crash data reported to the system.

The Missouri Traffic Records Committee was established as an advisory body to the Missouri State Highway Patrol for maintaining and improving the STARS system. Largely as a result of the Committee's efforts, the STARS system, as well as its field reporting form, will be upgraded as of January 1, 1996.

A note of thanks must be given to all Missouri law enforcement agencies and officers who provide traffic crash investigation services on Missouri roadways and conscientiously report their findings to the STARS system. Because of their efforts, traffic safety authorities have the capability of analyzing Missouri's traffic crash problems in order to develop effective policies and programs designed to address the issues.

A number of other agencies deserve recognition for providing data used in development of this publication. Among these are the Missouri Department of Revenue and the Missouri Highway and Transportation Department. They provided data on annual miles of travel, drivers licensing, and vehicle registration activity levels.

Finally, the U.S. Department of Transportation, National Highway Traffic Safety Administration, has supported the Statistical Analysis Center's efforts to provide meaningful research services and publications to Missouri traffic safety authorities. Their financial support and technical assistance is appreciated.



Martin P. Carso Jr., Director
Missouri Statistical Analysis Center

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EXECUTIVE SUMMARY

The purpose of this publication is to provide the Missouri State Highway Patrol, the Missouri Division of Highway Safety, and other State and local authorities with information on Missouri's traffic crash problems. It is one in a series which is being produced annually.

The primary source of data for the Compendium is the Statewide Traffic Accident Records System being maintained by the Missouri State Highway Patrol. Although this publication contains historical data on Missouri's traffic crash and severity experience, emphasis is placed on the most recent year (1994).

In 1994, Missouri had a total of 180,372 traffic crashes. The economic loss associated with these traffic crashes was estimated to be \$3,801,220,000. In these traffic crashes, 0.5% (947) involved one or more persons being killed in the incident. In addition, 28.3% (51,031) involved no persons being killed but one or more persons being injured in the incident.

In 1994, a total of 1,089 persons died in Missouri traffic crashes. One person was killed every 8.0 hours. The death rate (the number of deaths per 100 million miles of travel) was 1.9 in 1994. Missouri experienced an increase of 11.8% in its death rate compared to 1993. In 1993, the death rate was 1.7.

A total of 81,027 persons were injured in traffic crashes in 1994. One person was injured every 6.5 minutes.

Data are provided in this Compendium identifying causal factors or characteristics of Missouri's traffic crash experience which directly impact the frequency of occurrence or personal death and injury severity levels. A brief analysis of these factors is given below:

- Speed was found to be a significant contributing factor in Missouri's traffic crash experience especially as it relates to crashes involving death and injury. Of all 1994 Missouri traffic crashes, 16.8% were speed related. Of all fatal crashes, 36.7% were speed related. A total of 402 persons were killed and 17,665 were injured in this type of crash. In 1994, one person was killed or injured every 29.1 minutes in speed related traffic crashes in the State of Missouri.
- Drinking involvement was a significant contributing factor in Missouri's serious traffic crash experience in 1994. Of all 1994 Missouri traffic crashes, 5.5% involved a person drinking. However, of all fatal crashes, 27.7% had a person drinking. A total of 288 persons were killed and 7,528 were injured in these crashes. In 1994, one person was killed or injured in drinking-involved crashes every 1.1 hours in the State. It should be noted that drinking involvement is being under-reported as a causal factor in traffic crashes and is an even greater problem than the above statistics indicate.
- Drivers of motorized vehicles under the age of 21 were involved in a large number of crashes in the State of Missouri. Of all 1994 traffic crashes, 29.5% involved one or more drivers under the age of 21. Of all fatal crashes, 27.9% involved a young driver. Their involvement in Missouri traffic crashes becomes even more significant when it is recognized that drivers under 21 made up only 7.4% of all Missouri's licensed drivers. A total of 311 persons were killed and 25,996 were injured in traffic crashes involving young drivers. In 1994, one person was killed or injured in a young driver involved traffic crash every 20.0 minutes in the State of Missouri.
- Drivers of motorized vehicles 55 years of age and older were involved in a large number of Missouri traffic crashes. Of all 1994 traffic crashes, 25.5% involved an older driver. Of all fatal crashes, 27.6% involved an older driver. A total of 305 persons were killed and 19,364 were injured in these traffic crashes. In 1994, one person was killed or injured in an older driver involved traffic crash every 26.7 minutes in the State of Missouri.
- Commercial motor vehicles were involved in a significant number of Missouri traffic crashes. In 1994, 9.1% of all traffic crashes involved a commercial motor vehicle. When examining fatal traffic crashes, 16.7% involved a commercial motor vehicle. A total of 188 persons were killed and 6,195 were

injured in commercial motor vehicle related crashes. As a result, one person was killed or injured in commercial motor vehicle involved traffic crashes every 1.4 hours in the State.

- Although motorcycle related traffic crashes do not occur in extremely large numbers in the State of Missouri, they usually result in persons (mainly motorcycle drivers and passengers) being either killed or injured. Of all traffic crashes occurring in the State in 1994, 28.8% resulted in a person being killed or injured. However, in motorcycle involved crashes, 79.3% resulted in a death or personal injury. In 1994, 0.8% of all traffic crashes involved a motorcycle. In fatal traffic crashes, 4.0% involved a motorcycle. A total of 42 persons were killed and 1,275 were injured in motorcycle traffic crashes. One person was killed or injured in these crashes every 6.7 hours in the State of Missouri.
- Although school buses are not involved in a large number of traffic crashes in the State of Missouri they are important due to their potential for causing death and injury to young children. Of all 1994 Missouri traffic crashes, 1.0% involved a school bus or school bus signal. One person was killed and 937 were injured in these crashes. In 1994, one person was killed or injured in school bus involved traffic crashes every 9.3 hours in the State of Missouri.
- Although bicycle related traffic crashes do not occur in extremely large numbers in the State of Missouri, they usually result in persons (mainly bicycle drivers and passengers) being either killed or injured. Of all traffic crashes occurring in the State in 1994, 28.8% resulted in a person being killed or injured. However, in bicycle traffic crashes, 84.3% resulted in a death or personal injury. In addition, young children account for a large proportion of the bicyclists involved in traffic crashes. The average age of bicycle drivers involved in 1994 traffic crashes was 17.6 years. Of all 1994 Missouri traffic crashes, 0.6% involved a bicycle. Of all fatal traffic crashes, 0.7% were bicycle related. A total of 7 persons were killed and 949 were injured in these traffic crashes. One person was killed or injured in a bicycle traffic crash every 9.2 hours in the State.
- Although pedestrian related traffic crashes do not occur in extremely large numbers in the State of Missouri, they usually result in persons (mainly the pedestrian) being either killed or injured. Of all traffic crashes occurring in the State in 1994, 28.8% resulted in a person being killed or injured. However, in pedestrian traffic crashes, 96.0% resulted in a death or personal injury. In addition, young children and older persons account for a large proportion of the pedestrians killed or injured in these traffic crashes. Of all 1994 Missouri traffic crashes, 1.2% involved a pedestrian. Of all fatal traffic crashes, 9.1% involved a pedestrian. A total of 86 persons were killed and 2,177 were injured in these traffic crashes. One person was killed or injured in a pedestrian traffic crash every 3.9 hours in the State of Missouri.
- Motor vehicles striking fixed objects account for a large number of traffic crashes in the State of Missouri, especially those resulting in death or personal injury. Of all 1994 Missouri traffic crashes, 15.6% involved a fixed object being struck as part of the first harmful event. In fatal crashes, 34.6% involved a fixed object. A total of 373 persons were killed and 14,111 were injured in fixed object traffic crashes. One person was killed or injured every 36.3 minutes in this type of crash in the State.
- Although hazardous materials are not involved in a large number of traffic crashes in the State of Missouri, they are a significant problem because of their potential for causing death, personal injury, and property damage through the release of such materials in the surrounding environment. Of all 1994 traffic crashes, 0.1% involved hazardous materials. Of all fatal traffic crashes, 1.2% were hazardous material related. A total of 11 persons were killed and 142 were injured in hazardous material crashes. One person was killed or injured in these crashes every 2.4 days in the State of Missouri.
- Construction zones are not involved in a large number of traffic crashes in the State of Missouri. However, they are considered a significant problem because they are temporary in nature and not found that frequently on the State's roadway network compared to other types of traffic controls. In 1994, 0.7% of all traffic crashes involved a construction zone. When examining fatal traffic crashes, 1.3% were associated with a construction zone. A total of 14 persons were killed and 614 were injured in construction zone related traffic crashes. As a result, one person was killed or injured in this type of crash every 13.9 hours.

- The wearing of seat belts by drivers and passengers in vehicles is one of the best ways to prevent death and personal injury when involved in a traffic crash. The State of Missouri has recognized the benefit seat belt usage has on reducing traffic crash deaths and injuries through the passage of infant restraint and adult seat belt laws in recent years. The effectiveness of using seat belts becomes apparent when considering the following statistics. A driver of an automobile, van, motor home, or truck involved in a 1994 Missouri traffic crash had a 1 in 4 chance of being injured if they were not wearing their seat belt. However, if they were wearing a seat belt, their chance of being injured was 1 in 7. When examining driver deaths, the difference is much more dramatic. A driver involved in a 1994 Missouri traffic crash had a 1 in 102 chance of being killed if they were not wearing a seat belt. In those cases where the driver wore a seat belt their chance of being killed was 1 in 1,391.

INTRODUCTION

This Compendium presents data identifying the scope, magnitude, and severity of the traffic crash problem in Missouri. In addition, data are presented which identify specific traffic crash/severity causative factors and characteristics of special interest to traffic safety authorities. Although historical data are provided, emphasis is placed on the most recent year's experience (1994).

This Compendium was prepared by the Missouri State Highway Patrol, Statistical Analysis Center (SAC) at the request of the Missouri Division of Highway Safety (MDHS).

The traffic safety data contained in this publication are segmented into four sections. The first section displays the 1994 Missouri Traffic Safety Personal Injury Problem Analysis Clock. This clock offers an overview of the frequency of deaths and injuries caused by traffic crashes in the State in relation to time. The second section provides data related to Missouri's total traffic crash experience from a historical perspective. In addition, this section provides historical data related to Missouri's driver's licensing, vehicle registration, and annual miles of travel activity levels. The third section presents data on Missouri's traffic crash experience as it relates to specific types of causative factors or characteristics which affect the frequency of occurrence or crash severity. Specific traffic safety problem areas addressed in this section are:

- Speed Involvement
- Drinking Involvement
- Young Driver Involvement
- Older Driver Involvement
- Commercial Motor Vehicle Involvement
- Motorcycle Involvement
- School Bus Involvement
- Bicycle Involvement
- Pedestrian Involvement
- Fixed Object Involvement
- Hazardous Material Involvement
- Construction Zone Involvement
- Seat Belt Usage

The last section of the Compendium provides summary data on the 1994 traffic crash experience of all counties and of cities with populations of 1,000 or more in the State of Missouri. In addition, breakouts are provided identifying the proportion of each community's traffic crash activity related to the problem areas discussed in the previous section of the Compendium (Seat Belt Usage is the only exception).

Data for this Compendium were obtained from a variety of sources. Traffic crash data used in the Compendium were obtained from the Statewide Traffic Accident Records System (STARS). This system is maintained by the Missouri State Highway Patrol (MSHP). In accordance with State statute, law enforcement agencies are required to investigate traffic crashes occurring on public roadways if they involve a death or personal injury or property damage over \$500.00. They submit their findings on a standard traffic accident report form to the STARS system. Data from these reports are encoded by MSHP staff in computerized files. These files are made available to the Missouri SAC for traffic safety data analysis purposes.

Driver's licensing data were obtained from the Missouri Department of Revenue (DOR) driver history files. Vehicle registration and annual miles of travel data were obtained from the Missouri Highway and Transportation Department (MHTD).

Slight discrepancies may be found if comparisons are made with other publications using data from the STARS system. These discrepancies may be a result of updates being made to the STARS files between the time the other publications were developed and the time data analysis for this publication was performed. In addition, the

STARS database selection logic used to identify a specific traffic crash problem could be different which would result in discrepancies in data display presentations.

Discrepancies also may be found if comparisons are made with MHTD publications related to State-maintained roadway traffic crash statistics. The MHTD reviews all STARS traffic crash reports individually. If the traffic crash occurs on a State-maintained roadway, the location of the crash is analyzed and its location is recoded using a sophisticated highway classification and log point referencing system. Because of this review/update process and differences in road type coding definitions, discrepancies may be noted. For obtaining crash statistics on the Missouri State-maintained highway system only, it is recommended that reliance be placed on MHTD publications.

There are a number of other publications being produced on an annual basis which provide insights into Missouri's traffic crash experience. In cases where the Compendium does not provide all the information required, it is recommended that one or more of the following publications be used:

1. *Traffic Crashes Facts Booklet* - Missouri State Highway Patrol, Traffic Division.
2. *Missouri Vital Statistics* - State Center for Health Statistics
3. *Missouri State Highway System Traffic Accident Statistics* - Missouri Highway and Transportation Department, Maintenance and Traffic Division.

1.0 MISSOURI TRAFFIC SAFETY PERSONAL INJURY PROBLEM ANALYSIS CLOCK

THIS CLOCK SUMMARIZES PERSONS KILLED AND INJURED IN TRAFFIC CRASHES IN THE STATE OF MISSOURI DURING 1994 IN RELATION TO TIME. IN ADDITION, IT SUMMARIZES DEATHS AND INJURIES OCCURRING IN TRAFFIC CRASHES WHERE SPECIFIC CAUSAL FACTORS OR CHARACTERISTICS WERE FOUND. FROM THIS PERSPECTIVE AN APPRECIATION OF THE RELATIVE FREQUENCY AND SERIOUSNESS OF THESE FACTORS AND CHARACTERISTICS CAN BE OBTAINED. THIS CLOCK SHOULD BE VIEWED WITH CARE. THIS MODE OF DISPLAY SHOULD NOT BE TAKEN TO IMPLY A REGULARITY IN THE OCCURRENCE OF DEATHS AND INJURIES IN TRAFFIC CRASH ACTIVITY; RATHER, IT REPRESENTS THE ANNUAL RATIO OF DEATHS AND PERSONAL INJURIES TO FIXED TIME INTERVALS.

**MISSOURI TRAFFIC SAFETY PERSONAL INJURY
PROBLEM ANALYSIS CLOCK**

1994

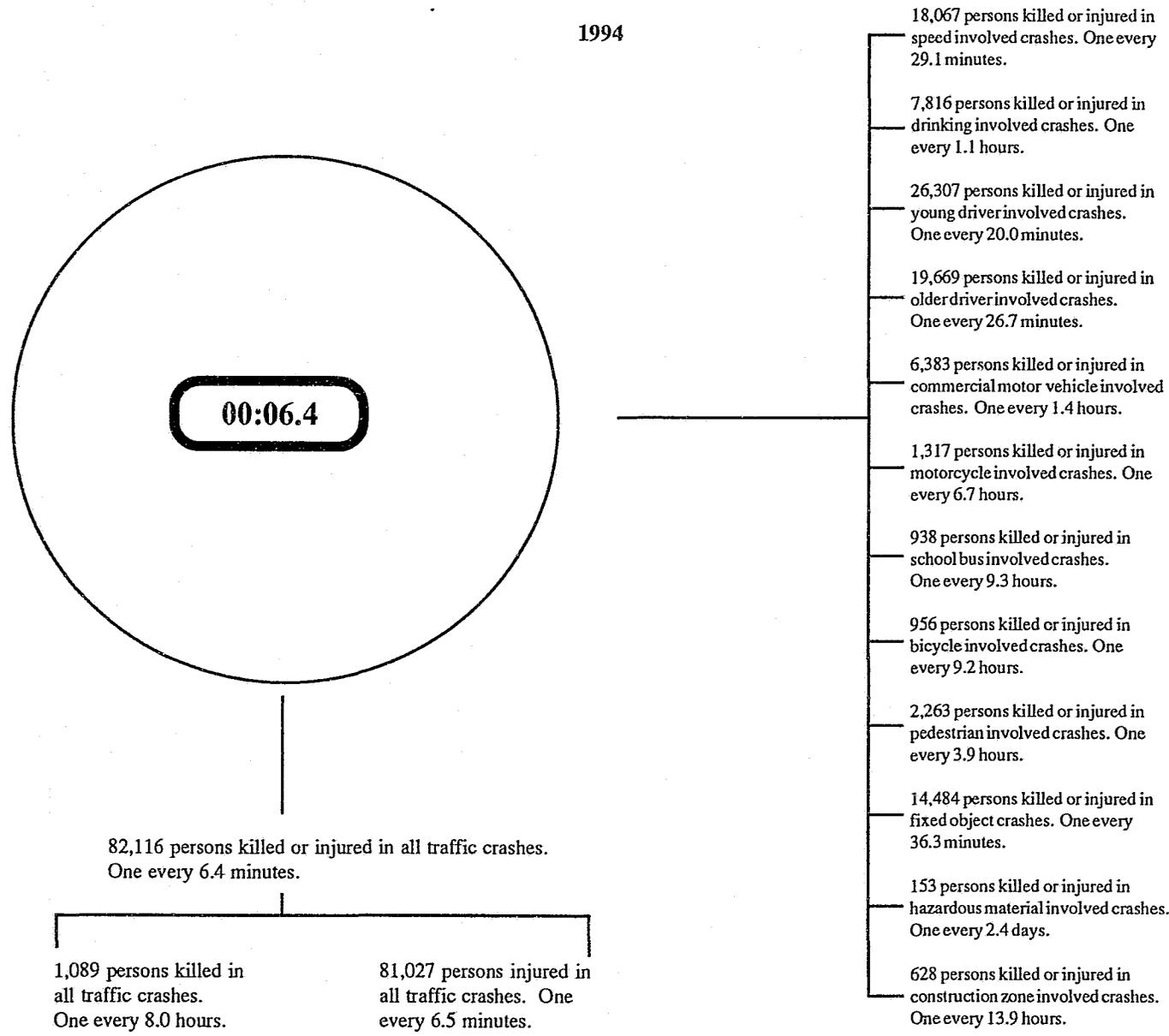


FIGURE 1.0.1

2.0 MISSOURI STATEWIDE TRAFFIC SAFETY ANALYSIS

A SERIES OF TABLES AND FIGURES SUMMARIZES MISSOURI'S TRAFFIC CRASH EXPERIENCE FROM A HISTORICAL PERSPECTIVE. IN ADDITION, DATA ARE PRESENTED WHICH IDENTIFY MISSOURI'S DRIVER'S LICENSING, VEHICLE REGISTRATION, AND ANNUAL MILES OF TRAVEL ACTIVITY LEVELS. THE PURPOSE OF THESE DISPLAYS IS TO PROVIDE A HISTORICAL OVERVIEW OF THE FREQUENCY AND SERIOUSNESS OF MISSOURI'S TRAFFIC CRASH PROBLEM IN RELATION TO THE AMOUNT OF TRAVEL INVOLVED AND TO THE IN-STATE DRIVER AND VEHICLE POPULATION LEVELS.

STATE OF MISSOURI, TRAFFIC SAFETY STATISTICS

1970 - 1994

Year	Killed	Injured ¹	Economic Loss	Licensed ² Drivers	Vehicles ³ Registered	Miles ³ Travelled	Death Rate ⁴	Injury Rate ⁵
1970	1,467	51,200	319,040,000	2,458,000	2,430,508	25,785,000,000	5.7	204.3
1971	1,415	49,400	306,145,000	2,719,000	2,540,391	27,077,000,000	5.2	187.7
1972	1,482	51,590	411,688,200	2,775,589	2,673,714	29,248,000,000	5.1	181.5
1973	1,452	50,715	389,056,500	2,936,063	2,797,887	30,748,000,000	4.7	169.7
1974	1,046	52,196	343,790,000	2,963,188	2,892,591	29,710,000,000	3.5	179.2
1975	1,075	53,369	420,440,000	2,971,765	2,942,285	30,675,000,000	3.5	177.5
1976	1,209	56,725	501,700,000	3,033,752	3,011,762	32,501,000,000	3.7	178.3
1977	1,211	63,694	599,340,000	3,157,175	3,122,378	33,329,000,000	3.6	194.7
1978	1,224	65,749	699,830,000	3,225,925	3,219,433	34,660,000,000	3.5	193.2
1979	1,162	60,405	712,870,000	3,227,036	3,316,533	34,561,000,000	3.4	178.1
1980	1,191	56,131	755,850,000	3,306,126	3,351,256	33,968,000,000	3.5	168.8
1981	1,056	56,801	720,960,000	3,339,269	3,414,040	34,730,000,000	3.0	166.6
1982	908	53,366	690,500,000	3,352,573	3,486,383	35,003,000,000	2.6	155.1
1983	921	56,412	763,410,000	3,378,247	3,502,219	36,543,000,000	2.5	156.9
1984	991	64,099	887,080,000	3,402,967	3,585,303	38,431,000,000	2.6	169.4
1985	948	66,970	906,980,000	3,415,014	3,635,364	39,286,000,000	2.4	172.9
1986	1,143	69,455	1,100,070,000	3,436,028	3,737,386	41,572,000,000	2.7	169.8
1987	1,058	67,743	1,158,640,000	3,472,027	3,760,948	43,379,000,000	2.4	158.6
1988	1,103	69,321	1,368,710,000	3,511,986	3,835,292	45,447,000,000	2.4	155.0
1989	1,052	68,588	1,352,250,000	3,537,276	3,881,896	48,087,000,000	2.2	144.8
1990	1,097	72,493	1,463,320,000	3,702,692	3,948,319	49,891,000,000	2.2	147.5
1991	1,011	67,707	1,616,100,000	3,445,079	3,987,545	50,676,000,000	2.0	135.6
1992	985	70,550	1,981,940,000 ⁶	3,454,548	4,039,447	53,108,000,000	1.9	134.7
1993	949	77,521	3,296,590,000 ⁷	3,499,278	4,097,716	54,821,000,000	1.7	143.1
1994	1,089	81,027	3,801,220,000 ⁷	3,382,050	4,206,637	57,287,000,000	1.9	143.3

¹Number of persons injured are estimates from 1970 through 1973.

²Licensed drivers data were obtained from the Missouri Department of Revenue.

³Vehicle registration and miles travelled data were obtained from the Missouri Highway and Transportation Department.

⁴Number of deaths per 100 million miles of vehicle travel.

⁵Number of deaths and injuries per 100 million miles of vehicle travel.

⁶The 1992 cost estimate is different than that previously published as a result of one rural fatality being reclassified as an urban fatality.

⁷Due to changes in the National Safety Council's Cost Estimates, 1993 and 1994 cost figures are not comparable to prior years' cost figures.

TABLE 2.0.1

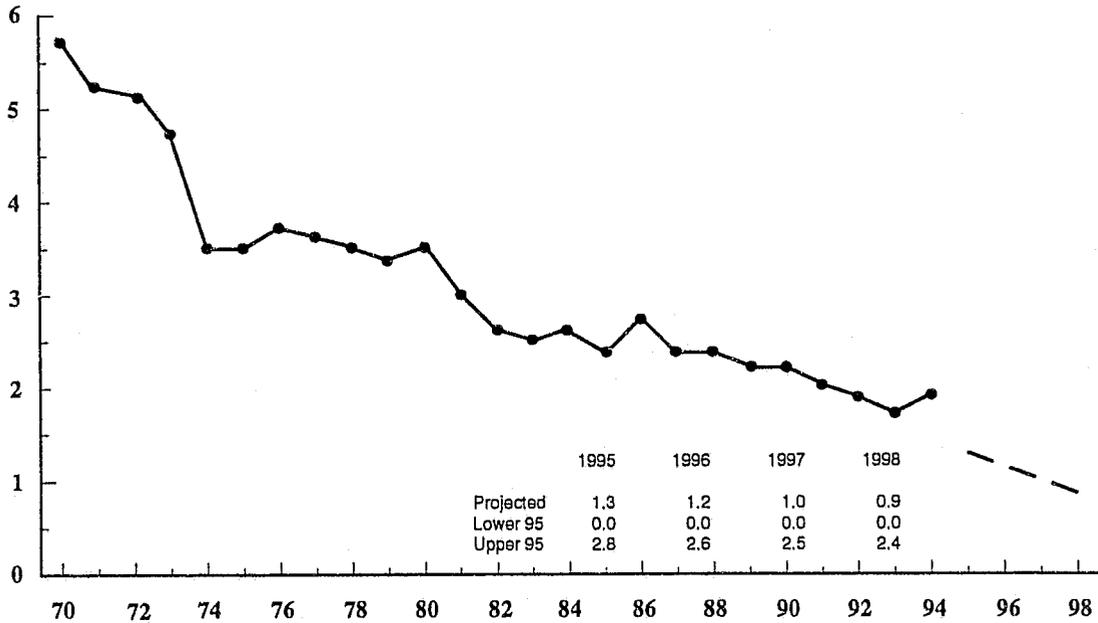
1985 - 1994 MISSOURI TRAFFIC CRASHES

YEAR BY CRASH SEVERITY

YEAR	FATAL		PERSONAL INJURY		PROPERTY DAMAGE		TOTAL
1985	841		44,350		125,224		170,415
<i>ROW %</i>		<i>0.5</i>		<i>26.0</i>		<i>73.5</i>	<i>100.0</i>
1986	984		45,780		121,982		168,746
<i>ROW %</i>		<i>0.6</i>		<i>27.1</i>		<i>72.3</i>	<i>100.0</i>
1987	940		44,683		123,811		169,434
<i>ROW %</i>		<i>0.6</i>		<i>26.4</i>		<i>73.1</i>	<i>100.0</i>
1988	978		45,291		123,830		170,099
<i>ROW %</i>		<i>0.6</i>		<i>26.6</i>		<i>72.8</i>	<i>100.0</i>
1989	936		44,602		123,918		169,456
<i>ROW %</i>		<i>0.6</i>		<i>26.3</i>		<i>73.1</i>	<i>100.0</i>
1990	943		46,702		123,925		171,570
<i>ROW %</i>		<i>0.5</i>		<i>27.3</i>		<i>72.2</i>	<i>100.0</i>
1991	906		43,923		117,242		162,071
<i>ROW %</i>		<i>0.6</i>		<i>27.1</i>		<i>72.3</i>	<i>100.0</i>
1992	874		45,395		117,167		163,436
<i>ROW %</i>		<i>0.5</i>		<i>27.8</i>		<i>71.7</i>	<i>100.0</i>
1993	843		49,042		127,927		177,812
<i>ROW %</i>		<i>0.5</i>		<i>27.6</i>		<i>71.9</i>	<i>100.0</i>
1994	947		51,031		128,394		180,372
<i>ROW %</i>		<i>0.5</i>		<i>28.3</i>		<i>71.2</i>	<i>100.0</i>

TABLE 2.0.2

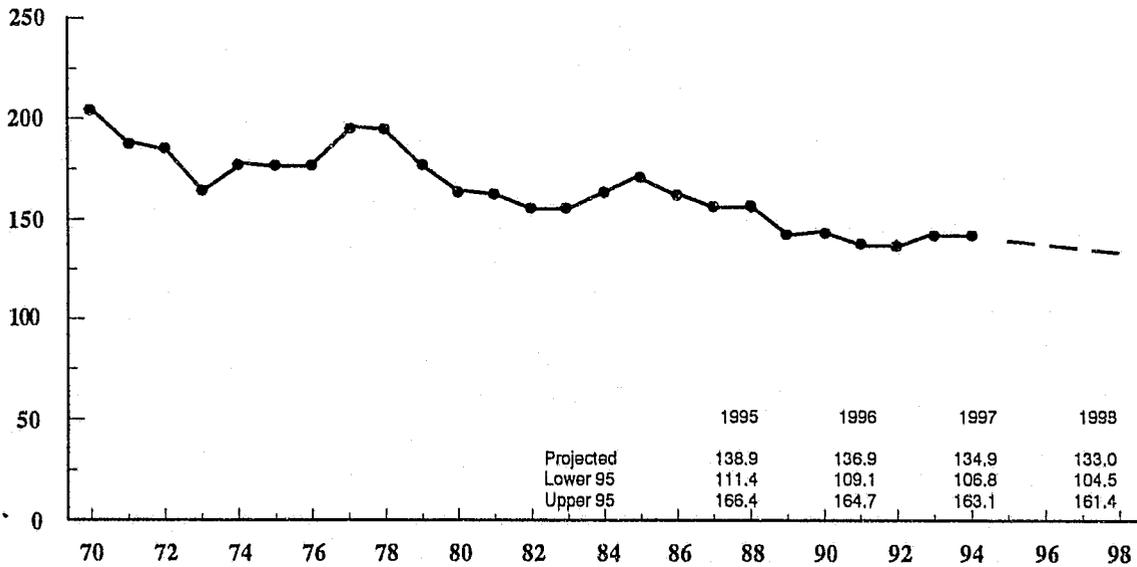
**MISSOURI DEATH RATE¹
ANNUAL TIME SERIES**



¹Number of deaths per 100 million miles of vehicle travel.

FIGURE 2.0.1

**MISSOURI INJURY RATE¹
ANNUAL TIME SERIES**



¹Number of deaths and injuries per 100 million miles of vehicle travel.

FIGURE 2.0.2

**MISSOURI FATAL CRASHES
ANNUAL TIME SERIES**

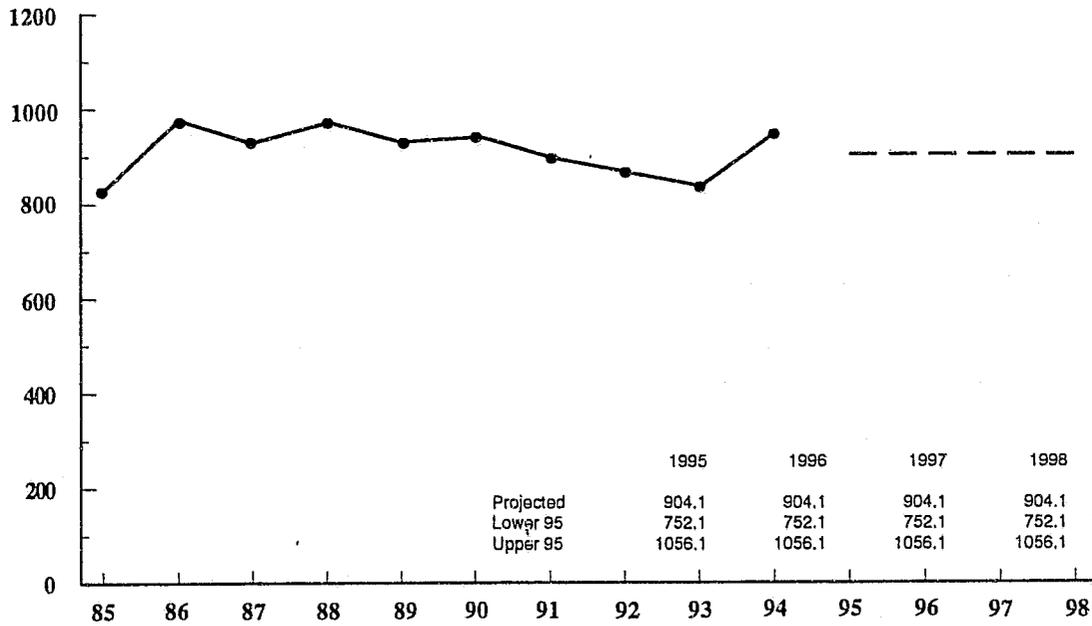


FIGURE 2.0.3

**MISSOURI FATAL AND PERSONAL INJURY CRASHES
ANNUAL TIME SERIES**

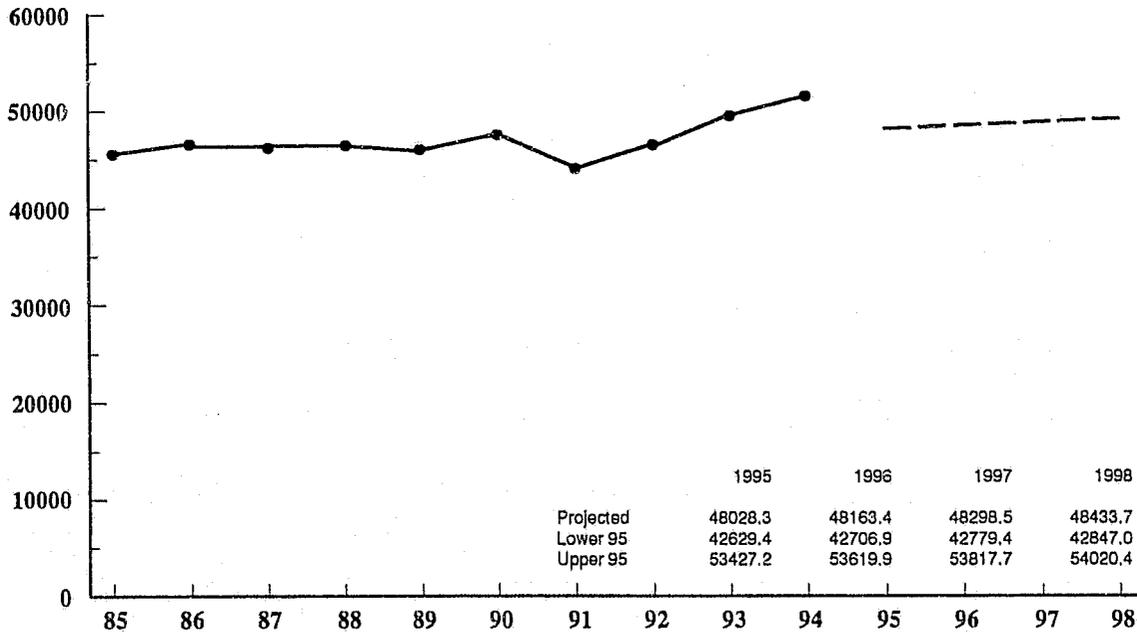


FIGURE 2.0.4

3.0 MISSOURI DETAIL TRAFFIC SAFETY PROBLEM ANALYSIS

A SERIES OF TABLES AND FIGURES SUMMARIZES MISSOURI'S TRAFFIC CRASH EXPERIENCE AS IT RELATES TO SPECIFIC TYPES OF CAUSATIVE FACTORS OR CHARACTERISTICS WHICH AFFECT THE FREQUENCY OF OCCURRENCE OR THE SEVERITY OF THE CRASH. DETAIL ANALYSIS IS PROVIDED FOR THE FOLLOWING SPECIFIC TYPES :

- SPEED INVOLVEMENT
- DRINKING INVOLVEMENT
- YOUNG DRIVER INVOLVEMENT
- OLDER DRIVER INVOLVEMENT
- COMMERCIAL MOTOR VEHICLE INVOLVEMENT
- MOTORCYCLE INVOLVEMENT
- SCHOOL BUS INVOLVEMENT
- BICYCLE INVOLVEMENT
- PEDESTRIAN INVOLVEMENT
- FIXED OBJECT INVOLVEMENT
- HAZARDOUS MATERIAL INVOLVEMENT
- CONSTRUCTION ZONE INVOLVEMENT
- SEAT BELT USAGE

3.1 SPEED INVOLVEMENT

This section presents a series of data displays which identify speed involvement in Missouri's traffic crash experience. Speed-involved traffic crashes are defined as any crash in which one or more drivers of motorized vehicles were exceeding the speed limit or driving too fast for conditions and, in the opinion of the investigating law enforcement officer, the driver error contributed to the cause of the crash. Data displays also are presented which identify characteristics of the speeding driver involved in these traffic crashes.

1994 SUMMARY ANALYSIS

- Of all 1994 Missouri traffic crashes, 16.8% were speed related. Of all fatal traffic crashes, 36.7% were speed related. A total of 402 persons were killed and 17,665 were injured in speed-related traffic crashes.
- There was a decrease of 8.9% in the rate of change when comparing total 1994 speed-related crashes with those occurring in 1993. There was an increase of 7.3% when comparing 1994 fatal speed-related traffic crashes with 1993.
- In 1994, one person was killed or injured in a speed-related traffic crash every 29.1 minutes in the State of Missouri.
- Of all 1994 speed-related traffic crashes, the first harmful event in 48.7% of the incidents involved one motor vehicle in transport striking another motor vehicle in transport. In 37.3% of the cases, the first harmful event involved a motor vehicle striking a fixed object. Of all fatal speed-related traffic crashes, 49.1% involved a motor vehicle striking a fixed object.
- Of all 1994 speed-related traffic crashes, 51.5% occurred in urban areas of the State and 48.5% occurred in rural areas. However, 76.2% of the fatal speed-related traffic crashes occurred in a rural area.
- Of the speeding drivers involved in traffic crashes, 67.8% were male and 32.2% were female. The average age of speeding drivers was 30.0 years.
- Of the speeding drivers, 83.8% had a Missouri driver's license, 11.3% had an out-of-state driver's license, and 5.0% were unlicensed at the time of the traffic crash.
- Of the speeding drivers, 67.5% were driving an automobile and 18.4% were driving a pick-up truck at the time of the crash.
- Of the speeding drivers involved in fatal traffic crashes, 32.1% had been drinking or had taken drugs which also contributed to the cause of the fatal traffic crash.

1994 MISSOURI TRAFFIC CRASHES

SPEED INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹		SPEEDING DRIVERS ²	
									KILLED	INJURED	KILLED	INJURED
SPEED INVOLVED	340	36.7	10,808	21.7	17,622	14.6	28,770	16.8	402	17,665	233	7,249
NO SPEED INVOLVED	586	63.3	38,905	78.3	103,476	85.4	142,967	83.2	666	61,373	-	-
UNKNOWN ³	21	-	1,318	-	7,296	-	8,635	-	21	1,989	-	-
TOTAL	947	100.0	51,031	100.0	128,394	100.0	180,372	100.0	1,089	81,027	233	7,249

¹This statistic indicates the total number of persons killed and injured in a crash where one or more drivers of motorized vehicles were speeding.

²This statistic indicates the number of speeding drivers killed and injured in motorized vehicles.

³Crashes were classified as unknown if there was no indication that speed was involved and the contributing circumstances of one or more drivers were not known.

TABLE 3.1.1

1993 and 1994 SPEED-INVOLVED CRASH ANALYSIS

	1993	1994	RATE OF CHANGE
FATAL	317	340	+ 7.3
PERSONAL INJURY	11,094	10,808	- 2.6
PROPERTY DAMAGE	20,175	17,522	-12.7
TOTAL	31,586	28,770	- 8.9

TABLE 3.1.2

1994 SPEED-INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	5	0.1	30	0.2	35	0.1
BICYCLIST	1	0.3	20	0.2	0	0.0	21	0.1
FIXED OBJECT	167	49.1	4,273	39.5	6,287	35.7	10,727	37.3
OTHER OBJECT	0	0.0	50	0.5	120	0.7	170	0.6
PEDESTRIAN	7	2.1	83	0.8	3	0.0	93	0.3
TRAIN	1	0.3	1	0.0	1	0.0	3	0.0
VEHICLE IN TRANSPORT	111	32.7	4,994	46.2	8,891	50.5	13,996	48.7
VEHICLE ON OTHER ROADWAY	4	1.2	27	0.3	28	0.2	59	0.2
PARKED VEHICLE	0	0.0	229	2.1	1,387	7.9	1,616	5.6
NON-COLLISION OVERTURN	47	13.8	1,054	9.8	732	4.2	1,833	6.4
NON-COLLISION OTHER	2	0.6	72	0.7	143	0.8	217	0.8
TOTAL	340	100.0	10,808	100.0	17,622	100.0	28,770	100.0

TABLE 3.1.3

1994 SPEED-INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	81	23.8	4,866	45.0	9,862	56.0	14,809	51.5
RURAL	259	76.2	5,942	55.0	7,760	44.0	13,961	48.5
TOTAL	340	100.0	10,808	100.0	17,622	100.0	28,770	100.0

TABLE 3.1.4

1994 SPEED-INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	191	56.2	7,291	68.0	11,825	73.5	19,307	71.2
CURVE	149	43.8	3,425	32.0	4,255	26.5	7,829	28.8
UNKNOWN	0	-	92	-	1,542	-	1,634	-
TOTAL	340	100.0	10,808	100.0	17,622	100.0	28,770	100.0

TABLE 3.1.5

1994 SPEED-INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	148	43.7	6,094	57.0	9,998	62.5	16,240	60.1
HILL	176	51.9	4,324	40.5	5,626	35.2	10,126	37.5
CREST	15	4.4	270	2.5	380	2.4	665	2.5
UNKNOWN	1	-	120	-	1,618	-	1,739	-
TOTAL	340	100.0	10,808	100.0	17,622	100.0	28,770	100.0

TABLE 3.1.6

1994 SPEED-INVOLVED CRASHES
ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	263	77.4	5,677	52.7	6,621	37.8	12,561	43.9
WET	65	19.1	3,979	36.9	7,701	43.9	11,745	41.0
SNOW	2	0.6	380	3.5	1,126	6.4	1,508	5.3
ICE	10	2.9	720	6.7	2,057	11.7	2,787	9.7
MUD	0	0.0	17	0.2	29	0.2	46	0.2
UNKNOWN	0	-	35	-	88	-	123	-
TOTAL	340	100.0	10,808	100.0	17,622	100.0	28,770	100.0

TABLE 3.1.7

1994 SPEED-INVOLVED CRASHES
HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	35	10.3	1,282	11.9	2,285	13.0	3,602	12.5
U.S. HIGHWAY	51	15.0	1,052	9.7	1,475	8.4	2,578	9.0
STATE NUMBERED	83	24.4	1,704	15.8	2,391	13.6	4,178	14.5
SINGLE STATE LETTERED	56	16.5	1,062	9.8	1,043	5.9	2,161	7.5
DOUBLE STATE LETTERED	13	3.8	472	4.4	415	2.4	900	3.1
OUTER ROAD	3	0.9	118	1.1	221	1.3	342	1.2
COUNTY ROAD	54	15.9	2,023	18.7	2,974	16.9	5,051	17.6
CITY STREET	43	12.7	2,852	26.4	6,348	36.0	9,243	32.1
INTERSTATE LOOP	1	0.3	26	0.2	47	0.3	74	0.3
OTHER ¹	1	0.3	217	2.0	423	2.4	641	2.2
TOTAL	340	100.0	10,808	100.0	17,622	100.0	28,770	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.1.8

1994 SPEED-INVOLVED CRASHES

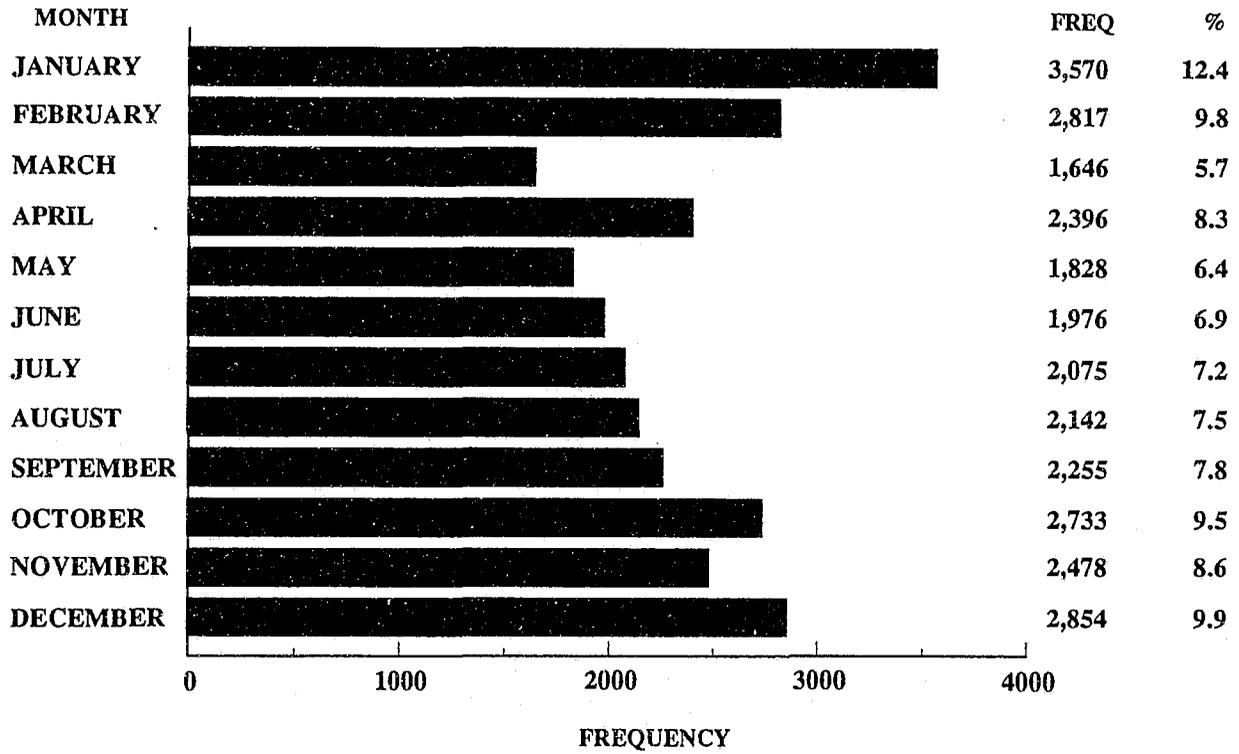
HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	18	22.2	755	15.5	1,315	13.3	2,088	14.1	17	6.6	527	8.9	970	12.5	1,514	10.8
U.S. HIGHWAY	7	8.6	415	8.5	671	6.8	1,093	7.4	44	17.0	637	10.7	804	10.4	1,485	10.6
STATE NUMBERED	4	4.9	456	9.4	818	8.3	1,278	8.6	79	30.5	1,248	21.0	1,573	20.3	2,900	20.8
SINGLE STATE LETTERED	4	4.9	101	2.1	187	1.9	292	2.0	52	20.1	961	16.2	856	11.0	1,869	13.4
DOUBLE STATE LETTERED	0	0.0	56	1.2	101	1.0	157	1.1	13	5.0	416	7.0	314	4.1	743	5.3
OUTER ROAD	1	1.2	80	1.6	168	1.7	249	1.7	2	0.8	38	0.6	53	0.7	93	0.7
COUNTY ROAD	6	7.4	281	5.8	577	5.9	864	5.8	48	18.5	1,742	29.3	2,397	30.9	4,187	30.0
CITY STREET	41	50.6	2,600	53.4	5,742	58.2	8,383	56.6	2	0.8	252	4.2	606	7.8	860	6.2
INTERSTATE LOOP	0	0.0	15	0.3	37	0.4	52	0.4	1	0.4	11	0.2	10	0.1	22	0.2
OTHER ¹	0	0.0	107	2.2	246	2.5	353	2.4	1	0.4	110	1.9	177	2.3	288	2.1
TOTAL	81	100.0	4,866	100.0	9,862	100.0	14,809	100.0	259	100.0	5,942	100.0	7,760	100.0	13,961	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.1.9

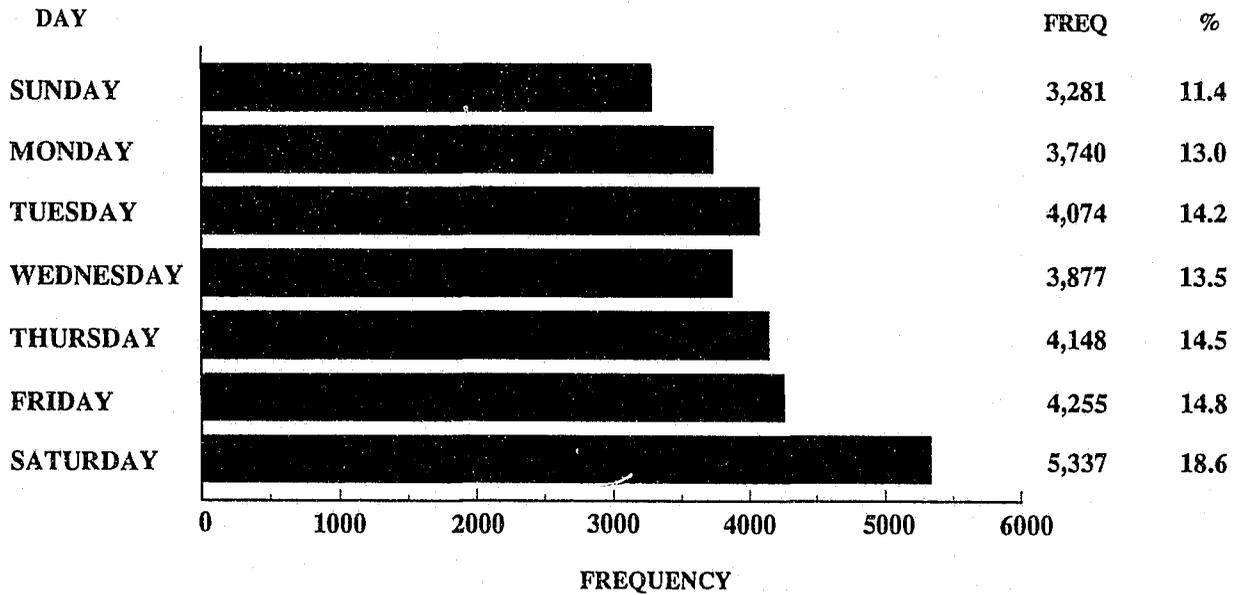
**1994 MISSOURI SPEED-INVOLVED CRASHES
MONTH OF YEAR**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.1.1

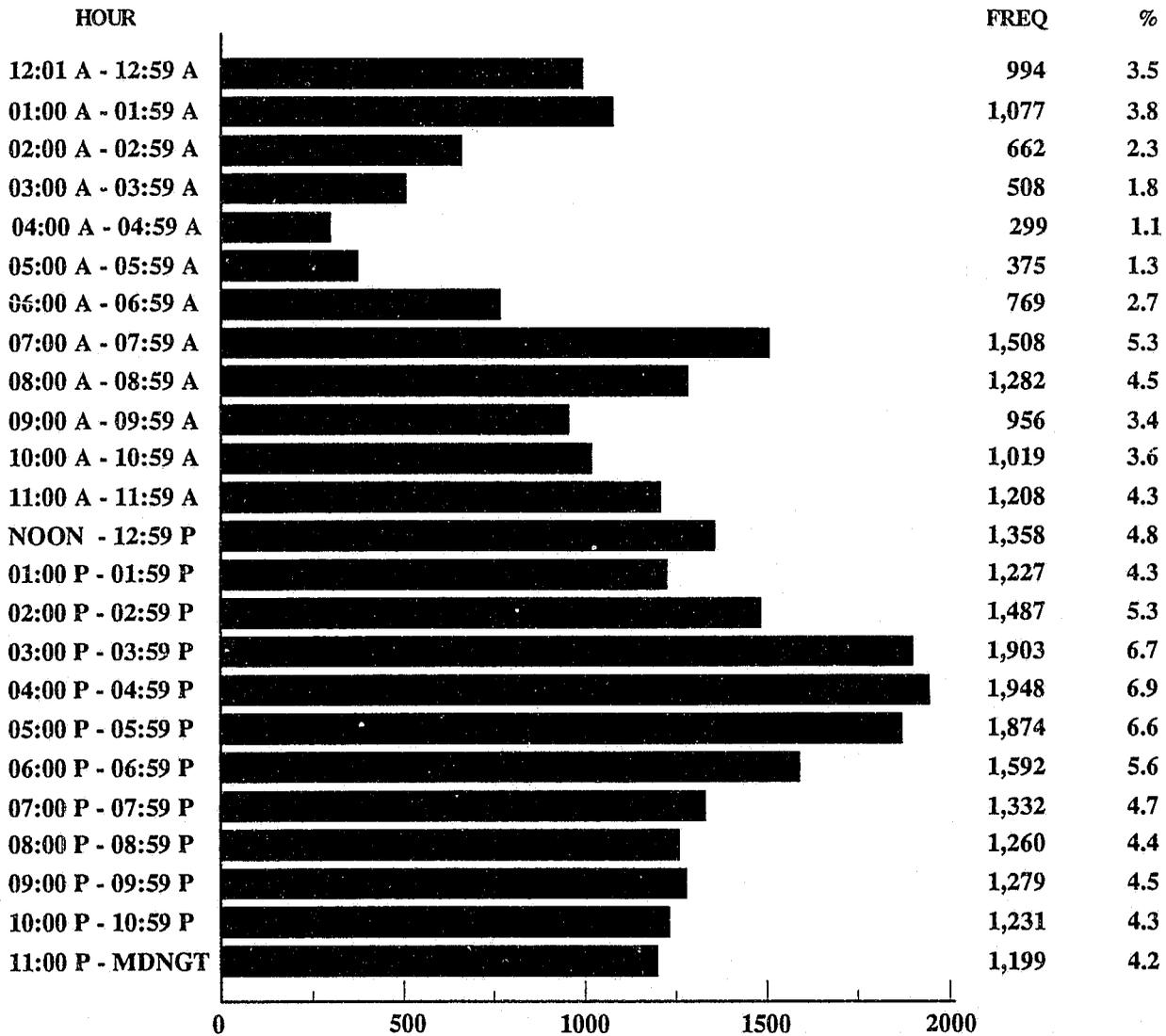
**1994 MISSOURI SPEED-INVOLVED CRASHES
DAY OF WEEK**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.1.2

**1994 MISSOURI SPEED-INVOLVED CRASHES
HOUR OF DAY**



FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.1.3

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 1994 MISSOURI CRASHES

TYPE OF SPEEDING VIOLATION

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
EXCEEDING SPEEDLIMIT	150	43.7	1,927	17.3	2,514	13.8	4,591	15.5
TOO FAST FOR CONDITIONS	175	51.0	8,794	78.9	15,040	82.7	24,009	80.9
EXCEEDING SPEED LIMIT AND TOO FAST FOR CONDITIONS	18	5.3	431	3.9	628	3.5	1,077	3.6
TOTAL	343	100.0	11,152	100.0	18,182	100.0	29,677	100.0

TABLE 3.1.10

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 1994 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	269	80.1	7,189	66.7	10,066	68.4	17,524	67.8
FEMALE	67	19.9	3,598	33.3	4,662	31.6	8,327	32.2
UNKNOWN	7	-	365	-	3,454	-	3,826	-
TOTAL	343	100.0	11,152	100.0	18,182	100.0	29,677	100.0

TABLE 3.1.11

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 1994 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	29.2	-	29.7	-	30.3	-	30.0	-
15 YEARS AND UNDER	8	2.4	109	1.0	158	1.0	275	1.0
16 - 20 YEARS	98	29.2	3,326	31.3	4,600	29.9	8,024	30.5
21 - 25 YEARS	67	19.9	1,953	18.4	2,684	17.5	4,704	17.9
26 - 30 YEARS	48	14.3	1,327	12.5	1,876	12.2	3,251	12.3
31 - 35 YEARS	34	10.1	1,135	10.7	1,684	11.0	2,853	10.8
36 - 40 YEARS	24	7.1	796	7.5	1,284	8.4	2,104	8.0
41 - 45 YEARS	22	6.6	592	5.6	946	6.2	1,560	5.9
46 - 50 YEARS	13	3.9	456	4.3	661	4.3	1,130	4.3
51 - 55 YEARS	3	0.9	256	2.4	436	2.8	695	2.6
56 - 60 YEARS	5	1.5	205	1.9	331	2.2	541	2.1
61 - 65 YEARS	4	1.2	141	1.3	227	1.5	372	1.4
66 YEARS AND OVER	10	3.0	335	3.2	488	3.2	833	3.2
UNKNOWN	7	-	521	-	2,807	-	3,335	-
TOTAL	343	100.0	11,152	100.0	18,182	100.0	29,677	100.0

TABLE 3.1.12

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 1994 MISSOURI CRASHES
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	2	0.6	53	0.5	65	0.5	120	0.5
FOR HIRE	7	2.1	235	2.3	325	2.4	567	2.4
OPERATOR'S LICENSE	234	70.7	7,806	76.9	10,438	77.1	18,478	76.9
MOTORCYCLE ONLY	0	0.0	1	0.0	0	0.0	1	0.0
COMMERCIAL DRIVER'S LICENSE	15	4.5	420	4.1	520	3.8	955	4.0
SUB-TOTAL	258	77.9	8,515	83.9	11,348	83.8	20,121	83.8
OUTSTATE								
LEARNER'S PERMIT	0	0.0	4	0.0	3	0.0	7	0.0
FOR HIRE	0	0.0	11	0.1	14	0.1	25	0.1
OPERATOR'S LICENSE	26	7.9	898	8.9	1,437	10.6	2,361	9.8
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	8	2.4	112	1.1	192	1.4	312	1.3
SUB-TOTAL	34	10.3	1,025	10.1	1,646	12.2	2,705	11.3
UNLICENSED	39	11.8	606	6.0	550	4.1	1,195	5.0
UNKNOWN	12	-	1,006	-	4,638	-	5,656	-
TOTAL	343	100.0	11,152	100.0	18,182	100.0	29,677	100.0

TABLE 3.1.13

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 1994 MISSOURI CRASHES

TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	199	58.0	7,298	65.5	12,314	68.9	19,811	67.5
SPORT UTILITY VEHICLE	23	6.7	516	4.6	888	5.0	1,427	4.9
VAN/SMALL BUS	6	1.8	458	4.1	817	4.6	1,281	4.4
BUS	0	0.0	13	0.1	21	0.1	34	0.1
SCHOOL BUS	0	0.0	10	0.1	30	0.2	40	0.1
MOTORCYCLE	22	6.4	268	2.4	38	0.2	328	1.1
MOPED	0	0.0	3	0.0	1	0.0	4	0.0
MOTORHOME/CAMPER	0	0.0	4	0.0	9	0.1	13	0.0
FARM EQUIPMENT	0	0.0	2	0.0	0	0.0	2	0.0
CONSTRUCTION EQUIPMENT	0	0.0	3	0.0	2	0.0	5	0.0
OTHER TRANSPORT DEVICE	0	0.0	3	0.0	7	0.0	10	0.0
PICK-UP TRUCK	75	21.9	2,153	19.3	3,159	17.7	5,387	18.4
OTHER TRUCKS	16	4.7	382	3.4	579	3.2	977	3.3
ALL TERRAIN VEHICLE	2	0.6	22	0.2	5	0.0	29	0.1
UNKNOWN	0	-	17	-	312	-	329	-
TOTAL	343	100.0	11,152	100.0	18,182	100.0	29,677	100.0

TABLE 3.1.14

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 1994 MISSOURI CRASHES

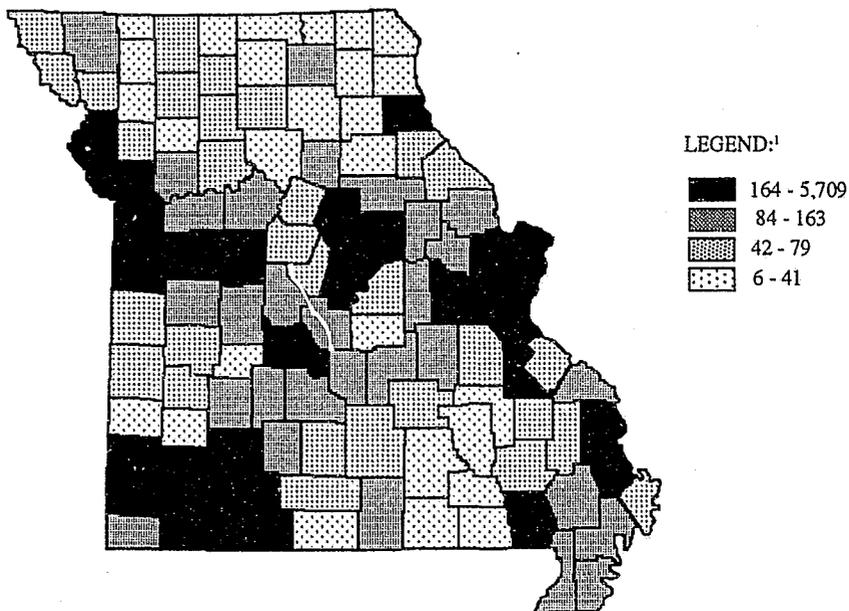
DRIVER INTOXICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRINKING	101	29.5	1,551	13.9	1,135	6.2	2,787	9.4
USING DRUGS	2	0.6	23	0.2	17	0.1	42	0.1
DRINKING AND USING DRUGS	7	2.0	44	0.4	44	0.2	95	0.3
NOT DRINKING OR USING DRUGS/ USE UNKNOWN	233	67.9	9,534	85.5	16,986	93.4	26,753	90.2
TOTAL	343	100.0	11,152	100.0	18,182	100.0	29,677	100.0

TABLE 3.1.15

1994 SPEED-INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	5,709	19.8	19.0	ST. FRANCOIS	219	0.8
2.0	JACKSON	4,506	15.7	20.0	JOHNSON	212	0.7
3.0	ST. LOUIS CITY	2,178	7.6	21.0	STONE	209	0.7
4.0	JEFFERSON	1,250	4.3	22.0	CHRISTIAN	195	0.7
5.0	ST. CHARLES	1,231	4.3	23.0	SCOTT	190	0.7
6.0	GREENE	1,083	3.8	24.0	PETTIS	187	0.6
7.0	CLAY	877	3.0	25.0	CAMDEN	185	0.6
8.0	JASPER	525	1.8	26.0	MARION	178	0.6
9.0	BOONE	450	1.6	27.0	BUTLER	173	0.6
10.0	PLATTE	437	1.5	28.0	LAWRENCE	169	0.6
11.5	CAPE GIRARDEAU	407	1.4	29.0	BARRY	164	0.6
11.5	TANEY	407	1.4				
13.0	BUCHANAN	393	1.4				First Quartile
14.0	FRANKLIN	381	1.3				
15.0	COLE	363	1.3	30.0	PEMISCOTT	163	0.6
16.0	CASS	308	1.1	31.0	LAFAYETTE	159	0.6
17.0	NEWTON	288	1.0	32.0	PHELPS	157	0.5
18.0	CALLAWAY	226	0.8	33.0	MILLER	150	0.5

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
34.0	RANDOLPH	128	0.4	75.0	HARRISON	55	0.2
35.0	MCDONALD	121	0.4	76.0	DENT	53	0.2
36.0	RAY	120	0.4	77.0	HOWARD	52	0.2
37.0	HOWELL	118	0.4	78.0	DOUGLAS	50	0.2
38.0	SALINE	117	0.4	79.5	ATCHISON	48	0.2
39.0	HENRY	115	0.4	79.5	HOLT	48	0.2
40.5	LACLEDE	111	0.4	81.5	CEDAR	46	0.2
40.5	WEBSTER	111	0.4	81.5	RALLS	46	0.2
42.5	MORGAN	110	0.4	83.0	STE. GENEVIEVE	45	0.2
42.5	PULASKI	110	0.4	84.0	MADISON	44	0.2
44.5	CRAWFORD	108	0.4	85.0	BOLLINGER	43	0.1
44.5	GASCONADE	108	0.4	87.0	DAVISS	42	0.1
46.0	DUNKLIN	105	0.4	87.0	LINN	42	0.1
47.0	POLK	103	0.4	87.0	LIVINGSTON	42	0.1
48.0	AUDRAIN	101	0.4				
49.0	NODAWAY	100	0.3				Third Quartile
50.0	WARREN	99	0.3				
51.0	LINCOLN	93	0.3				Fourth Quartile
52.0	DALLAS	92	0.3	89.5	BARTON	41	0.1
53.0	MONTGOMERY	91	0.3	89.5	MACON	41	0.1
54.0	NEW MADRID	90	0.3	91.0	IRON	40	0.1
55.0	BENTON	87	0.3	92.0	MARIES	37	0.1
56.0	STODDARD	85	0.3	93.0	OZARK	34	0.1
57.5	ADAIR	84	0.3	94.0	SULLIVAN	33	0.1
57.5	PERRY	84	0.3	96.0	CARTER	32	0.1
			Second Quartile	96.0	CHARITON	32	0.1
				96.0	DADE	32	0.1
			Third Quartile	98.5	MONROE	29	0.1
59.5	CLINTON	79	0.3	98.5	PUTNAM	29	0.1
59.5	TEXAS	79	0.3	101.0	CALDWELL	27	0.1
61.0	WASHINGTON	78	0.3	101.0	LEWIS	27	0.1
62.0	VERNON	77	0.3	101.0	MERCER	27	0.1
63.5	COOPER	73	0.3	103.5	HICKORY	26	0.1
63.5	MONITEAU	73	0.3	103.5	RIPLEY	26	0.1
65.0	BATES	72	0.3	105.5	DE KALB	25	0.1
66.0	OSAGE	68	0.2	105.5	OREGON	25	0.1
67.0	WAYNE	67	0.2	107.0	SHANNON	24	0.1
68.0	MISSISSIPPI	64	0.2	108.0	SHELBY	23	0.1
69.0	ANDREW	63	0.2	109.5	REYNOLDS	20	0.1
70.0	GRUNDY	62	0.2	109.5	SCOTLAND	20	0.1
71.0	PIKE	58	0.2	111.0	CLARK	19	0.1
72.0	WRIGHT	57	0.2	112.0	GENTRY	17	0.1
73.5	CARROLL	56	0.2	113.0	SCHUYLER	12	0.0
73.5	ST. CLAIR	56	0.2	114.0	KNOX	8	0.0
				115.0	WORTH	6	0.0

TABLE 3.1.16

1994 SPEED-INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	3,545	21.2
2.0	ST. LOUIS	2,178	13.0
3.0	SPRINGFIELD	659	3.9
4.0	INDEPENDENCE	629	3.8
5.0	ST. CHARLES	475	2.8
6.0	ST. JOSEPH	307	1.8
7.0	COLUMBIA	300	1.8
8.0	RICHMOND HEIGHTS	281	1.7
9.0	CAPE GIRARDEAU	263	1.6
10.0	MARYLAND HEIGHTS	245	1.5
11.0	ST. PETERS	236	1.4
12.0	BLUE SPRINGS	221	1.3
13.0	JOPLIN	220	1.3
14.0	JEFFERSON CITY	212	1.3
15.0	LEE'S SUMMIT	193	1.2
16.0	BRIDGETON	163	1.0
17.0	UNIVERSITY CITY	160	1.0
18.0	BERKELEY	158	0.9
19.0	CREVE COEUR	154	0.9
20.0	FLORISSANT	151	0.9
21.0	CHESTERFIELD	141	0.8
22.0	KIRKWOOD	138	0.8
23.0	ARNOLD	135	0.8
24.0	LIBERTY	128	0.8
25.0	TOWN AND COUNTRY	123	0.7
27.0	FERGUSON	116	0.7
27.0	HANNIBAL	116	0.7
27.0	WEBSTER GROVES	116	0.7
29.0	JENNINGS	113	0.7
30.0	OVERLAND	107	0.6
31.0	SUNSET HILLS	106	0.6
32.0	O'FALLON	104	0.6
33.0	HAZELWOOD	99	0.6
34.0	POPLAR BLUFF	96	0.6
35.0	SIKESTON	94	0.6
36.0	BRANSON	86	0.5
37.0	BALLWIN	81	0.5
38.0	RAYTOWN	78	0.5
39.0	CLAYTON	76	0.5

¹Percentage is based on speed-involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

TABLE 3.1.17

MISSOURI FATAL AND PERSONAL INJURY SPEED-INVOLVED CRASHES ANNUAL TIME SERIES

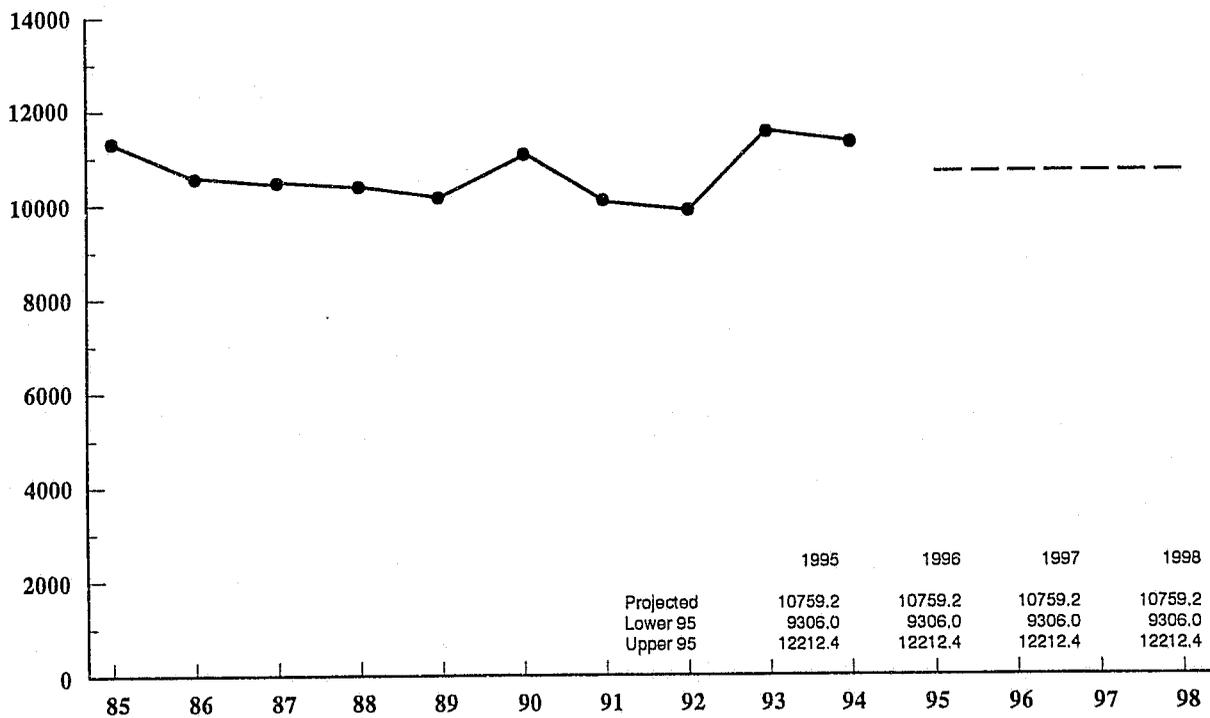


FIGURE 3.1.4

3.2 DRINKING INVOLVEMENT

This section presents a series of data displays which identify drinking involvement in Missouri's traffic crash experience. Drinking-involved traffic crashes are defined as any crash in which one or more drivers or pedestrians were drinking and, in the opinion of the investigating officer, their intoxicated condition contributed to the cause of the crash. Data displays also are presented which identify characteristics of the drinking driver or pedestrian involved in these traffic crashes.

There are strong indications that investigating officers under-report drinking involvement as a contributing factor in traffic crashes. Under-reporting exists for a number of reasons. First, symptoms of drinking may be masked from the investigating officer. The person's physical instability may be attributed to the shock of being in a crash or resulting physical injuries rather than to intoxication. Second, the investigating officer may not have an opportunity to observe or interview the person for an extended time period in cases where they require immediate medical attention and are transported from the scene. Finally, in cases where the investigating officer does determine a person has been drinking, there may not be enough evidence to indicate that their intoxicated condition contributed to the cause of the traffic crash. As a result, the apparent problem of under-reporting should be taken into consideration when evaluating data presented in this section.

1994 SUMMARY ANALYSIS

- Of all 1994 Missouri traffic crashes, 5.5% were drinking related. Of all fatal traffic crashes, 27.7% were drinking related. A total of 288 persons were killed and 7,528 were injured in drinking-related traffic crashes.
- There was a decrease of 0.5% in the rate of change when comparing total 1994 drinking-related traffic crashes with those occurring in 1993. There was an increase of 16.6% when comparing 1994 fatal drinking-related traffic crashes with 1993.
- In 1994, one person was killed or injured in drinking-related traffic crashes every 1.1 hours in the State of Missouri.
- Of all drinking-related traffic crashes, 61.1% occurred on Friday, Saturday, or Sunday and 66.9% occurred between 7:00 P.M. and 2:59 A.M.
- Of the persons drinking in 1994 traffic crashes, 98.8% were driving a motorized vehicle, 0.1% were driving a non-motorized vehicle, and 1.1% were pedestrians.
- Of the drinking drivers of motorized vehicles, 81.7% were male and 18.3% were female. The average age of drinking drivers of motorized vehicles was 33.2 years.
- All of the drinking drivers of non-motorized vehicles were male. The average age was 33.7 years.
- Of the drinking pedestrians, 76.0% were male and 24.0% were female. The average age of drinking pedestrians was 33.1 years.
- Of the drinking drivers of motorized and non-motorized vehicles involved in 1994 crashes, 62.4% were driving an automobile, 27.1% were driving a pick-up truck, and 4.5% were driving a sport utility vehicle at the time of the crash.

1994 MISSOURI TRAFFIC CRASHES

DRINKING INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹		DRINKING DRIVERS / PEDESTRIANS ²	
									KILLED	INJURED	KILLED	INJURED
DRINKING INVOLVED	253	27.7	4,609	9.5	4,564	3.8	9,426	5.5	288	7,528	170	3,722
NO DRINKING INVOLVED	659	72.3	44,130	90.5	116,323	96.2	161,112	94.5	766	70,398	-	-
UNKNOWN ³	35	-	2,292	-	7,507	-	9,834	-	35	3,101	-	-
TOTAL	947	100.0	51,031	100.0	128,394	100.0	180,372	100.0	1,089	81,027	170	3,722

¹This statistic indicates the total number of persons killed and injured in a crash where one or more drivers or pedestrians were drinking.

²This statistic indicates the number of drinking drivers or pedestrians killed and injured.

³Crashes were classified as unknown if there was no indication that drinking was involved and the contributing circumstances of one or more drivers or pedestrians were not known.

TABLE 3.2.1

1993 and 1994 DRINKING-INVOLVED CRASH ANALYSIS

	1993	1994	RATE OF CHANGE
FATAL	217	253	+ 16.6
PERSONAL INJURY	4,681	4,609	- 1.5
PROPERTY DAMAGE	4,577	4,564	- 0.3
TOTAL	9,475	9,426	- 0.5

TABLE 3.2.2

1994 DRINKING-INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	6	0.1	12	0.3	18	0.2
BICYCLIST	1	0.4	12	0.3	3	0.1	16	0.2
FIXED OBJECT	106	41.9	2,207	47.9	1,911	41.9	4,224	44.8
OTHER OBJECT	1	0.4	28	0.6	38	0.8	67	0.7
PEDESTRIAN	25	9.9	105	2.3	1	0.0	131	1.4
TRAIN	1	0.4	6	0.1	3	0.1	10	0.1
VEHICLE IN TRANSPORT	81	32.0	1,579	34.3	1,746	38.3	3,406	36.1
VEHICLE ON OTHER ROADWAY	3	1.2	9	0.2	3	0.1	15	0.2
PARKED VEHICLE	2	0.8	245	5.3	672	14.7	919	9.8
NON-COLLISION OVERTURN	30	11.9	387	8.4	151	3.3	568	6.0
NON-COLLISION OTHER	3	1.2	25	0.5	24	0.5	52	0.6
TOTAL	253	100.0	4,609	100.0	4,564	100.0	9,426	100.0

TABLE 3.2.3

1994 DRINKING-INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	56	22.1	2,031	44.1	2,565	56.2	4,652	49.4
RURAL	197	77.9	2,578	55.9	1,999	43.8	4,774	50.6
TOTAL	253	100.0	4,609	100.0	4,564	100.0	9,426	100.0

TABLE 3.2.4

1994 DRINKING-INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	158	63.2	3,314	72.3	3,558	80.7	7,030	76.0
CURVE	92	36.8	1,273	27.7	852	19.3	2,217	24.0
UNKNOWN	3	-	22	-	154	-	179	-
TOTAL	253	100.0	4,609	100.0	4,564	100.0	9,426	100.0

TABLE 3.2.5

1994 DRINKING-INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	125	49.8	2,860	62.4	3,030	69.0	6,015	65.2
HILL	119	47.4	1,642	35.8	1,273	29.0	3,034	32.9
CREST	7	2.8	80	1.8	86	2.0	173	1.9
UNKNOWN	2	-	27	-	175	-	204	-
TOTAL	253	100.0	4,609	100.0	4,564	100.0	9,426	100.0

TABLE 3.2.6

1994 DRINKING-INVOLVED CRASHES
ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	220	87.0	3,726	81.0	3,574	78.6	7,520	80.0
WET	31	12.3	803	17.5	889	19.6	1,723	18.3
SNOW	0	0.0	37	0.8	44	1.0	81	0.9
ICE	2	0.8	33	0.7	37	0.8	72	0.8
MUD	0	0.0	2	0.0	2	0.0	4	0.0
UNKNOWN	0	-	8	-	18	-	26	-
TOTAL	253	100.0	4,609	100.0	4,564	100.0	9,426	100.0

TABLE 3.2.7

1994 DRINKING-INVOLVED CRASHES
HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	30	11.9	461	10.0	391	8.6	882	9.4
U.S. HIGHWAY	47	18.6	521	11.3	433	9.5	1,001	10.6
STATE NUMBERED	62	24.5	889	19.3	694	15.2	1,645	17.5
SINGLE STATE LETTERED	43	17.0	557	12.1	328	7.2	928	9.9
DOUBLE STATE LETTERED	17	6.7	220	4.8	133	2.9	370	3.9
OUTER ROAD	1	0.4	48	1.0	62	1.4	111	1.2
COUNTY ROAD	24	9.5	569	12.4	565	12.4	1,158	12.3
CITY STREET	25	9.9	1,229	26.7	1,795	39.3	3,049	32.4
INTERSTATE LOOP	1	0.4	25	0.5	30	0.7	56	0.6
OTHER ¹	3	1.2	90	2.0	133	2.9	226	2.4
TOTAL	253	100.0	4,609	100.0	4,564	100.0	9,426	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.2.8

1994 DRINKING-INVOLVED CRASHES

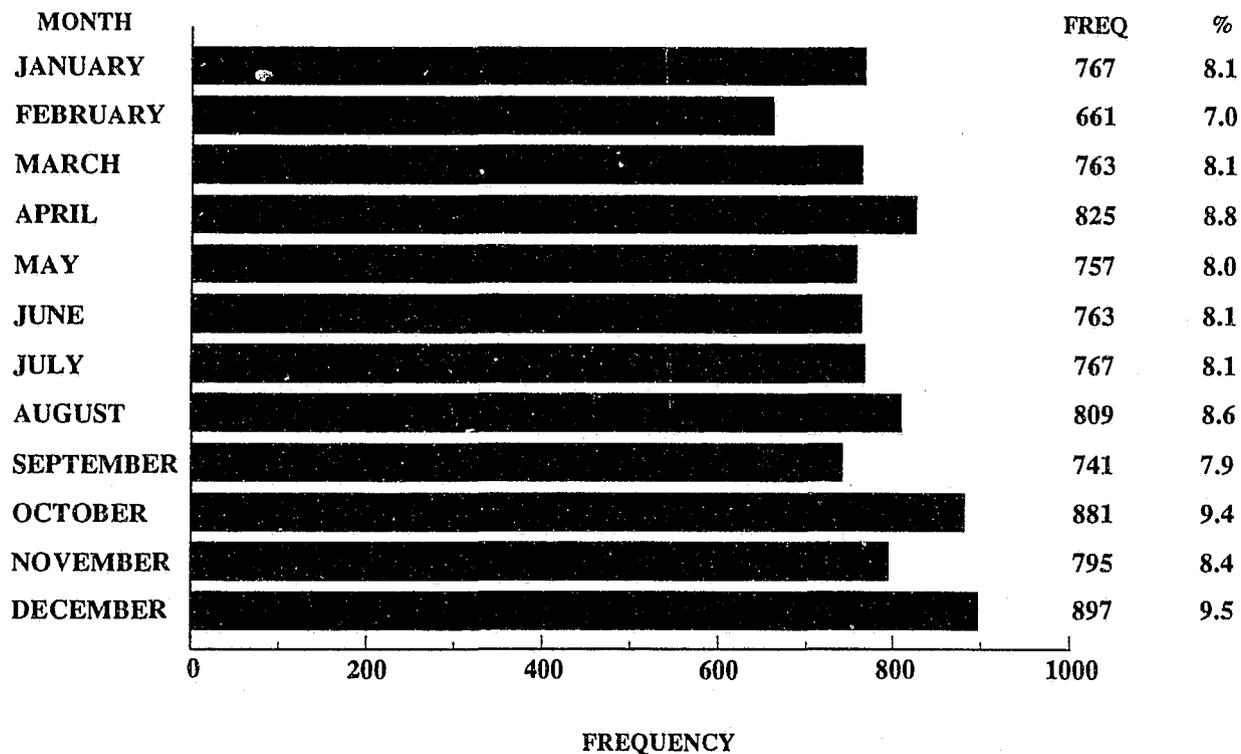
HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	15	26.8	257	12.7	234	9.1	506	10.9	15	7.6	204	7.9	157	7.9	376	7.9
U.S. HIGHWAY	7	12.5	211	10.4	198	7.7	416	8.9	40	20.3	310	12.0	235	11.8	585	12.3
STATE NUMBERED	3	5.4	213	10.5	222	8.7	438	9.4	59	30.0	676	26.2	472	23.6	1,207	25.3
SINGLE STATE LETTERED	5	8.9	56	2.8	44	1.7	105	2.3	38	19.3	501	19.4	284	14.2	823	17.2
DOUBLE STATE LETTERED	0	0.0	13	0.6	22	0.9	35	0.8	17	8.6	207	8.0	111	5.6	335	7.0
OUTER ROAD	0	0.0	27	1.3	37	1.4	64	1.4	1	0.5	21	0.8	25	1.3	47	1.0
COUNTY ROAD	0	0.0	56	2.8	86	3.4	142	3.1	24	12.2	513	19.9	479	24.0	1,016	21.3
CITY STREET	25	44.6	1,128	55.5	1,603	62.5	2,756	59.2	0	0.0	101	3.9	192	9.6	293	6.1
INTERSTATE LOOP	0	0.0	23	1.1	26	1.0	49	1.1	1	0.5	2	0.1	4	0.2	7	0.2
OTHER ¹	1	1.8	47	2.3	93	3.6	141	3.0	2	1.0	43	1.7	40	2.0	85	1.8
TOTAL	56	100.0	2,031	100.0	2,565	100.0	4,652	100.0	197	100.0	2,578	100.0	1,999	100.0	4,774	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.2.9

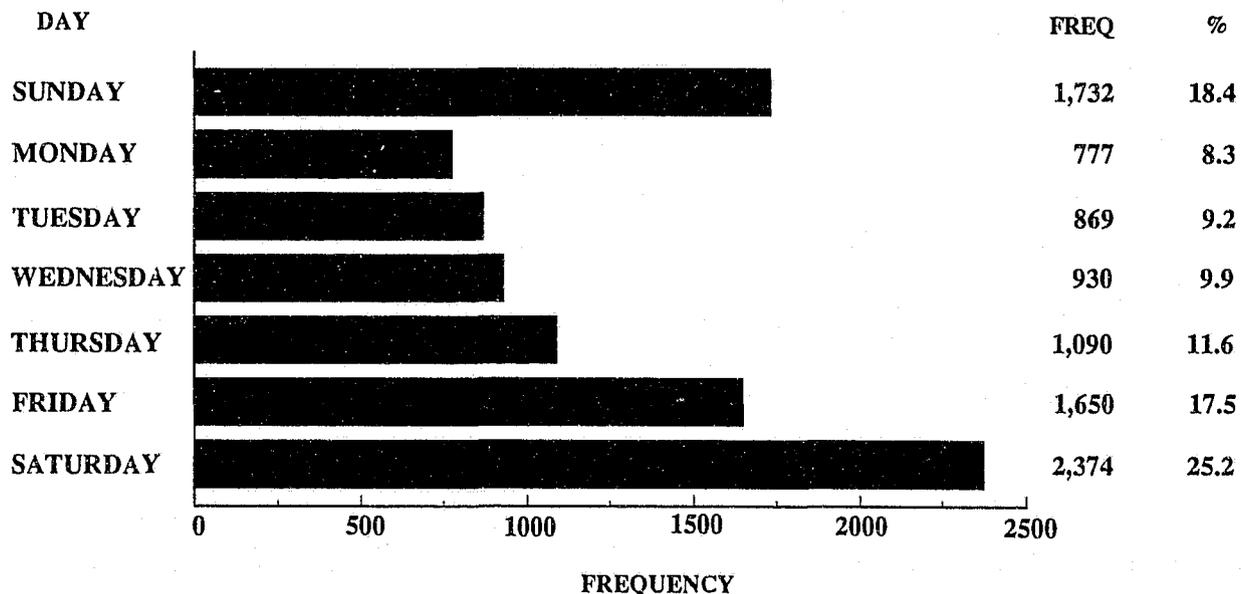
**1994 MISSOURI DRINKING-INVOLVED CRASHES
MONTH OF YEAR**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.2.1

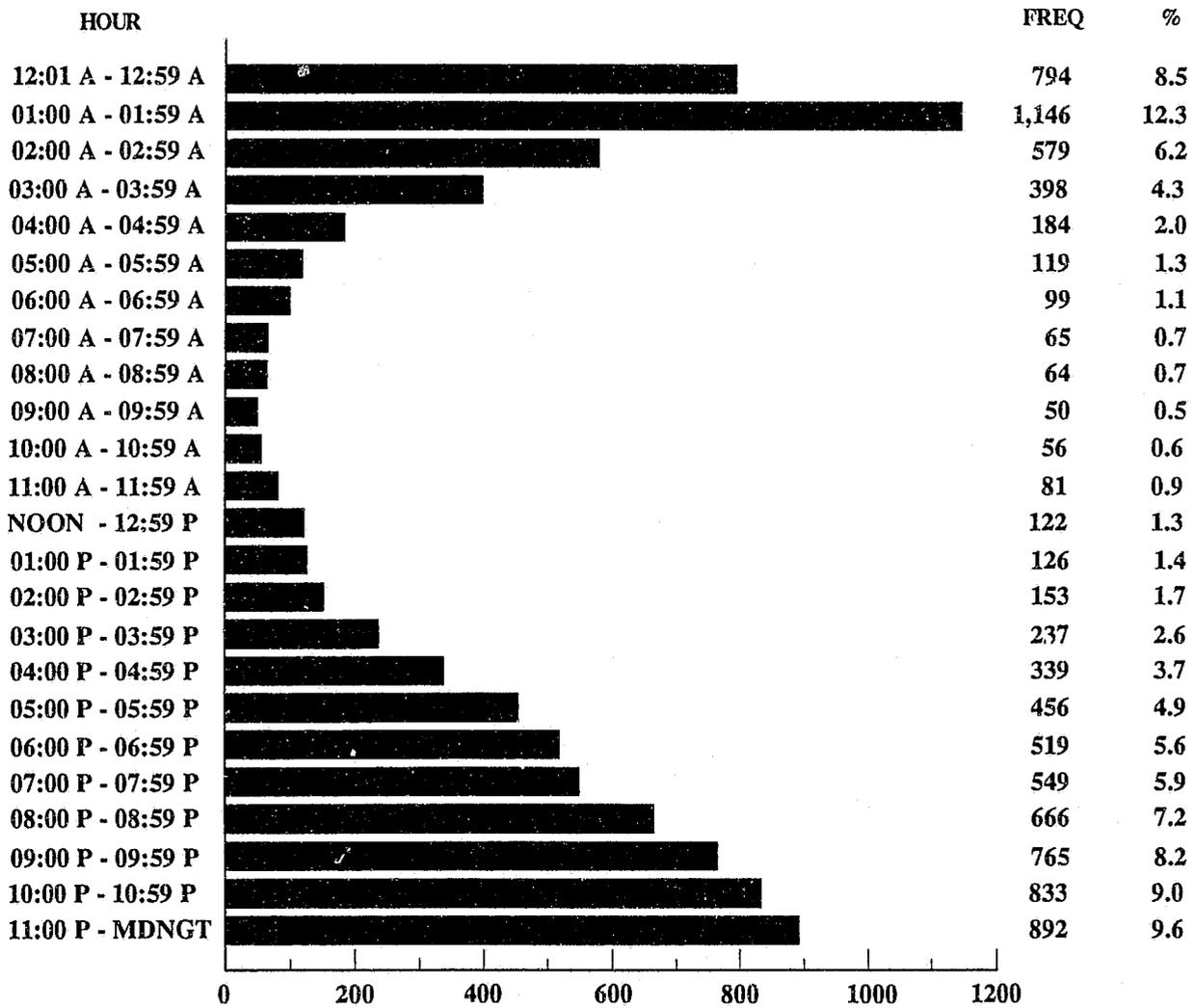
**1994 MISSOURI DRINKING-INVOLVED CRASHES
DAY OF WEEK**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.2.2

1994 MISSOURI DRINKING-INVOLVED CRASHES HOUR OF DAY



FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.2.3

PERSONS DRINKING IN 1994 MISSOURI CRASHES

PERSON TYPE AND SEX BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE								
DRIVERS MOTORIZED VEHICLES	198	76.2	3,675	78.9	3,358	73.2	7,231	76.1
DRIVERS NON-MOTORIZED VEHICLES	0	0.0	6	0.1	3	0.0	9	0.1
PEDESTRIANS	17	6.5	61	1.3	1	0.0	79	0.8
FEMALE								
DRIVERS MOTORIZED VEHICLES	37	14.2	831	17.8	751	16.4	1,619	17.0
DRIVERS NON-MOTORIZED VEHICLES	0	0.0	0	0.0	0	0.0	0	0.0
PEDESTRIANS	6	2.3	19	0.4	0	0.0	25	0.3
SEX UNKNOWN								
DRIVERS MOTORIZED VEHICLES	2	0.8	65	1.4	474	10.3	541	5.7
DRIVERS NON-MOTORIZED VEHICLES	0	0.0	0	0.0	0	0.0	0	0.0
PEDESTRIANS	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL	260	100.0	4,657	100.0	4,587	100.0	9,504	100.0

TABLE 3.2.10

DRIVERS OF MOTORIZED VEHICLES DRINKING IN 1994 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	31.1	-	32.5	-	33.9	-	33.2	-
15 YEARS AND UNDER	0	0.0	12	0.3	8	0.2	20	0.2
16 - 20 YEARS	44	18.7	549	12.3	408	9.9	1,001	11.3
21 - 25 YEARS	50	21.3	866	19.3	722	17.5	1,638	18.5
26 - 30 YEARS	34	14.5	747	16.7	651	15.8	1,432	16.2
31 - 35 YEARS	36	15.3	778	17.4	782	19.0	1,596	18.1
36 - 40 YEARS	33	14.0	588	13.1	550	13.3	1,171	13.3
41 - 45 YEARS	9	3.8	373	8.3	366	8.9	748	8.5
46 - 50 YEARS	7	3.0	219	4.9	236	5.7	462	5.2
51 - 55 YEARS	9	3.8	148	3.3	140	3.4	297	3.4
56 - 60 YEARS	10	4.3	83	1.9	107	2.6	200	2.3
61 - 65 YEARS	1	0.4	53	1.2	73	1.8	127	1.4
66 YEARS AND OVER	2	0.9	64	1.4	79	1.9	145	1.6
UNKNOWN	2	-	91	-	461	-	554	-
TOTAL	237	100.0	4,571	100.0	4,583	100.0	9,391	100.0

TABLE 3.2.11

DRIVERS OF NON-MOTORIZED VEHICLES DRINKING IN 1994 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	0.0	-	35.0	-	31.0	-	33.7	-
15 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
16 - 20 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
21 - 25 YEARS	0	0.0	0	0.0	1	33.3	1	11.1
26 - 30 YEARS	0	0.0	1	16.7	1	33.3	2	22.2
31 - 35 YEARS	0	0.0	2	33.3	0	0.0	2	22.2
36 - 40 YEARS	0	0.0	3	50.0	0	0.0	3	33.3
41 - 45 YEARS	0	0.0	0	0.0	1	33.3	1	11.1
46 - 50 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
51 - 55 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
56 - 60 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
61 - 65 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
66 YEARS AND OVER	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	0	-	0	-	0	-
TOTAL	0	0.0	6	100.0	3	100.0	9	100.0

TABLE 3.2.12

PEDESTRIANS DRINKING IN 1994 MISSOURI CRASHES

AGE OF PEDESTRIAN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	34.7	-	32.6	-	0.0	-	33.1	-
15 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
16 - 20 YEARS	2	8.7	12	15.8	0	0.0	14	14.1
21 - 25 YEARS	1	4.4	13	17.1	0	0.0	14	14.1
26 - 30 YEARS	6	26.1	7	9.2	0	0.0	13	13.1
31 - 35 YEARS	4	17.4	18	23.7	0	0.0	22	22.2
36 - 40 YEARS	4	17.4	11	14.5	0	0.0	15	15.2
41 - 45 YEARS	2	8.7	7	9.2	0	0.0	9	9.1
46 - 50 YEARS	3	13.0	1	1.3	0	0.0	4	4.0
51 - 55 YEARS	1	4.4	3	4.0	0	0.0	4	4.0
56 - 60 YEARS	0	0.0	2	2.6	0	0.0	2	2.0
61 - 65 YEARS	0	0.0	1	1.3	0	0.0	1	1.0
66 YEARS AND OVER	0	0.0	1	1.3	0	0.0	1	1.0
UNKNOWN	0	-	4	-	1	-	5	-
TOTAL	23	100.0	80	100.0	1	100.0	104	100.0

TABLE 3.2.13

DRIVERS OF MOTORIZED AND NON-MOTORIZED VEHICLES DRINKING IN 1994 MISSOURI CRASHES

TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	123	51.9	2,826	61.7	2,899	63.6	5,848	62.4
SPORT UTILITY VEHICLE	16	6.8	202	4.4	206	4.5	424	4.5
VAN/SMALL BUS	6	2.5	150	3.3	179	3.9	335	3.6
BUS	0	0.0	0	0.0	1	0.0	1	0.0
SCHOOL BUS	0	0.0	1	0.0	0	0.0	1	0.0
MOTORCYCLE	7	3.0	64	1.4	7	0.2	78	0.8
MOPED	0	0.0	3	0.1	0	0.0	3	0.0
BICYCLE	0	0.0	6	0.1	3	0.1	9	0.1
MOTORHOME/CAMPER	0	0.0	2	0.0	0	0.0	2	0.0
FARM EQUIPMENT	0	0.0	2	0.0	0	0.0	2	0.0
CONSTRUCTION EQUIPMENT	0	0.0	0	0.0	1	0.0	1	0.0
OTHER TRANSPORT DEVICE	0	0.0	1	0.0	1	0.0	2	0.0
PICK-UP TRUCK	83	35.0	1,260	27.5	1,196	26.3	2,539	27.1
OTHER TRUCKS	2	0.8	49	1.1	62	1.4	113	1.2
ALL TERRAIN VEHICLE	0	0.0	11	0.2	0	0.0	11	0.1
UNKNOWN	0	-	0	-	31	-	31	-
TOTAL	237	100.0	4,577	100.0	4,586	100.0	9,400	100.0

TABLE 3.2.14

DRIVERS OF MOTORIZED VEHICLES DRINKING IN 1994 MISSOURI CRASHES

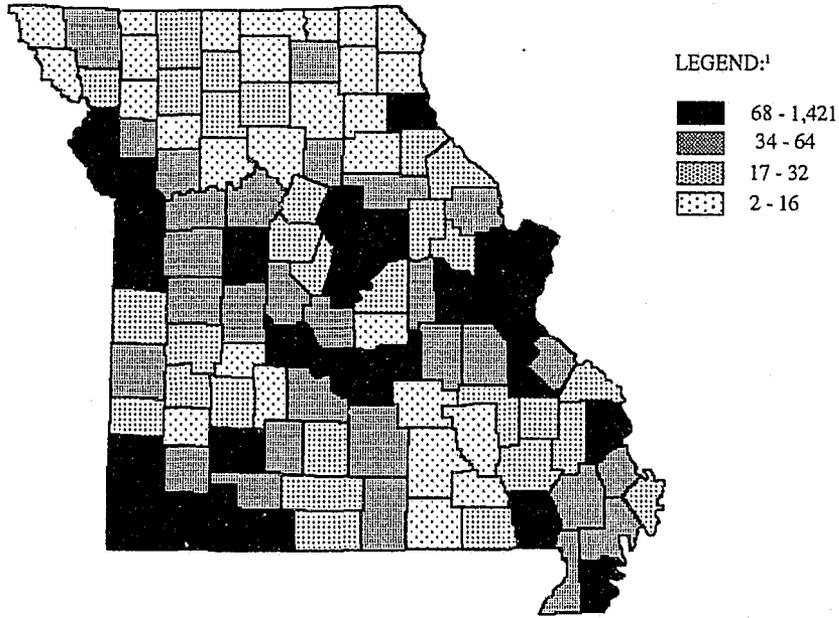
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	11	0.3	17	0.5	28	0.3
FOR HIRE	7	3.0	135	3.2	114	3.0	256	3.1
OPERATOR'S LICENSE	152	65.2	3,006	70.1	2,721	71.6	5,879	70.7
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	6	2.6	164	3.8	139	3.7	309	3.7
SUB-TOTAL	165	70.8	3,316	77.4	2,991	78.7	6,472	77.8
OUT STATE								
LEARNER'S PERMIT	0	0.0	4	0.1	1	0.0	5	0.1
FOR HIRE	0	0.0	3	0.1	2	0.1	5	0.1
OPERATOR'S LICENSE	23	9.9	400	9.3	331	8.7	754	9.1
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	2	0.9	14	0.3	12	0.3	28	0.3
SUB-TOTAL	25	10.7	421	9.8	346	9.1	792	9.5
UNLICENSED	43	18.5	550	12.8	463	12.2	1,056	12.7
UNKNOWN	4	-	284	-	783	-	1,071	-
TOTAL	237	100.0	4,571	100.0	4,583	100.0	9,391	100.0

TABLE 3.2.15

1994 DRINKING-INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	JACKSON	1,421	15.1	19.0	CAMDEN	86	0.9
2.0	ST. LOUIS	1,241	13.2	20.0	PHIELPS	85	0.9
3.0	GREENE	541	5.7	21.0	BUTLER	84	0.9
4.0	ST. LOUIS CITY	415	4.4	22.0	STONE	83	0.9
5.0	JEFFERSON	388	4.1	23.0	CALLAWAY	81	0.9
6.0	ST. CHARLES	362	3.8	24.0	PEMISCOTT	78	0.8
7.0	CLAY	268	2.8	25.5	CASS	76	0.8
8.0	BUCHANAN	238	2.5	25.5	MARION	76	0.8
9.0	BOONE	206	2.2	27.0	MCDONALD	75	0.8
10.0	JASPER	180	1.9	28.0	PETTIS	72	0.8
11.0	FRANKLIN	167	1.8	29.0	PULASKI	68	0.7
12.0	COLE	129	1.4				
13.0	TANEY	126	1.3				
14.0	CAPE GIRARDEAU	120	1.3				
15.0	PLATTE	111	1.2				
16.0	NEWTON	106	1.1	30.5	JOHNSON	64	0.7
17.0	ST. FRANCOIS	91	1.0	30.5	SCOTT	64	0.7
18.0	BARRY	90	1.0	32.5	DUNKLIN	62	0.7
				32.5	LINCOLN	62	0.7

First Quartile

Second Quartile

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
34.0	WASHINGTON	54	0.6	76.0	BOLLINGER	24	0.3
35.0	CRAWFORD	53	0.6	76.0	HOWARD	24	0.3
36.0	LAFAYETTE	50	0.5	76.0	OZARK	24	0.3
37.0	HENRY	49	0.5	78.0	ANDREW	23	0.2
38.5	STODDARD	48	0.5	79.0	LIVINGSTON	22	0.2
38.5	VERNON	48	0.5	81.0	CEDAR	20	0.2
40.5	CHRISTIAN	45	0.5	81.0	LINN	20	0.2
40.5	LAWRENCE	45	0.5	81.0	PERRY	20	0.2
42.5	RANDOLPH	44	0.5	83.0	BARTON	19	0.2
42.5	WEBSTER	44	0.5	84.5	MONTEAU	18	0.2
44.5	HOWELL	43	0.5	84.5	ST. CLAIR	18	0.2
44.5	RAY	43	0.5	86.5	GRUNDY	17	0.2
47.0	NEW MADRID	42	0.4	86.5	HARRISON	17	0.2
47.0	NODAWAY	42	0.4				
47.0	TEXAS	42	0.4				Third Quartile
50.5	ADAIR	41	0.4				
50.5	LACLEDE	41	0.4				Fourth Quartile
50.5	MILLER	41	0.4	89.0	CARROLL	16	0.2
50.5	SALINE	41	0.4	89.0	DALLAS	16	0.2
53.0	BENTON	40	0.4	89.0	MACON	16	0.2
54.5	AUDRAIN	39	0.4	93.5	ATCHISON	15	0.2
54.5	MORGAN	39	0.4	93.5	CLARK	15	0.2
56.0	STE. GENEVIEVE	36	0.4	93.5	DEKALB	15	0.2
57.0	CLINTON	35	0.4	93.5	DENT	15	0.2
58.0	GASCONADE	34	0.4	93.5	LEWIS	15	0.2
			Second Quartile	93.5	MARIES	15	0.2
				97.5	CHARITON	14	0.1
			Third Quartile	97.5	PUTNAM	14	0.1
59.0	RALLS	32	0.3	100.0	DADE	13	0.1
62.0	DOUGLAS	31	0.3	100.0	HICKORY	13	0.1
62.0	POLK	31	0.3	100.0	OREGON	13	0.1
62.0	RIPLEY	31	0.3	102.5	HOLT	12	0.1
62.0	WARREN	31	0.3	102.5	SHANNON	12	0.1
62.0	WRIGHT	31	0.3	104.5	CALDWELL	11	0.1
65.0	COOPER	30	0.3	104.5	SULLIVAN	11	0.1
66.0	PIKE	29	0.3	106.5	GENTRY	10	0.1
67.0	WAYNE	28	0.3	106.5	MONROE	10	0.1
68.0	BATES	27	0.3	108.0	CARTER	8	0.1
70.0	MADISON	26	0.3	109.5	REYNOLDS	7	0.1
70.0	MONTGOMERY	26	0.3	109.5	SHELBY	7	0.1
70.0	OSAGE	26	0.3	111.0	SCOTLAND	5	0.1
73.0	DAVISS	25	0.3	112.5	SCHUYLER	4	0.0
73.0	IRON	25	0.3	112.5	WORTH	4	0.0
73.0	MISSISSIPPI	25	0.3	114.0	KNOX	3	0.0
				115.0	MERCER	2	0.0

TABLE 3.2.16

1994 DRINKING-INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	1,153	21.9
2.0	ST. LOUIS	415	7.9
3.0	SPRINGFIELD	413	7.8
4.0	ST. JOSEPH	206	3.9
5.0	INDEPENDENCE	203	3.9
6.0	COLUMBIA	144	2.7
7.0	ST. CHARLES	104	2.0
8.0	JOPLIN	97	1.8
9.0	JEFFERSON CITY	87	1.7
10.0	CAPE GIRARDEAU	84	1.6
11.0	ST. PETERS	73	1.4
12.0	MARYLAND HEIGHTS	55	1.0
13.0	LEE'S SUMMIT	54	1.0
14.0	O'FALLON	50	0.9
15.0	BLUE SPRINGS	46	0.9
16.5	BRIDGETON	45	0.9
16.5	FLORISSANT	45	0.9
18.5	ARNOLD	44	0.8
18.5	HANNIBAL	44	0.8
20.0	UNIVERSITY CITY	40	0.8
21.0	OVERLAND	39	0.7
22.0	SEDALIA	38	0.7
23.5	KIRKWOOD	36	0.7
23.5	RAYTOWN	36	0.7
25.0	GRANDVIEW	34	0.6
26.0	TOWN AND COUNTRY	33	0.6
27.0	ST. ANN	32	0.6
28.5	CHESTERFIELD	29	0.6
28.5	SIKESTON	29	0.6
30.5	HAZELWOOD	28	0.5
30.5	KIRKSVILLE	28	0.5
32.0	RICHMOND HEIGHTS	27	0.5
33.5	BERKELEY	25	0.5
33.5	NORTH KANSAS CITY	25	0.5
36.0	LIBERTY	24	0.5
36.0	WARRENSBURG	24	0.5
36.0	WASHINGTON	24	0.5

¹Percentage is based on drinking-involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

TABLE 3.2.17

**MISSOURI FATAL AND PERSONAL INJURY DRINKING-INVOLVED CRASHES
ANNUAL TIME SERIES**

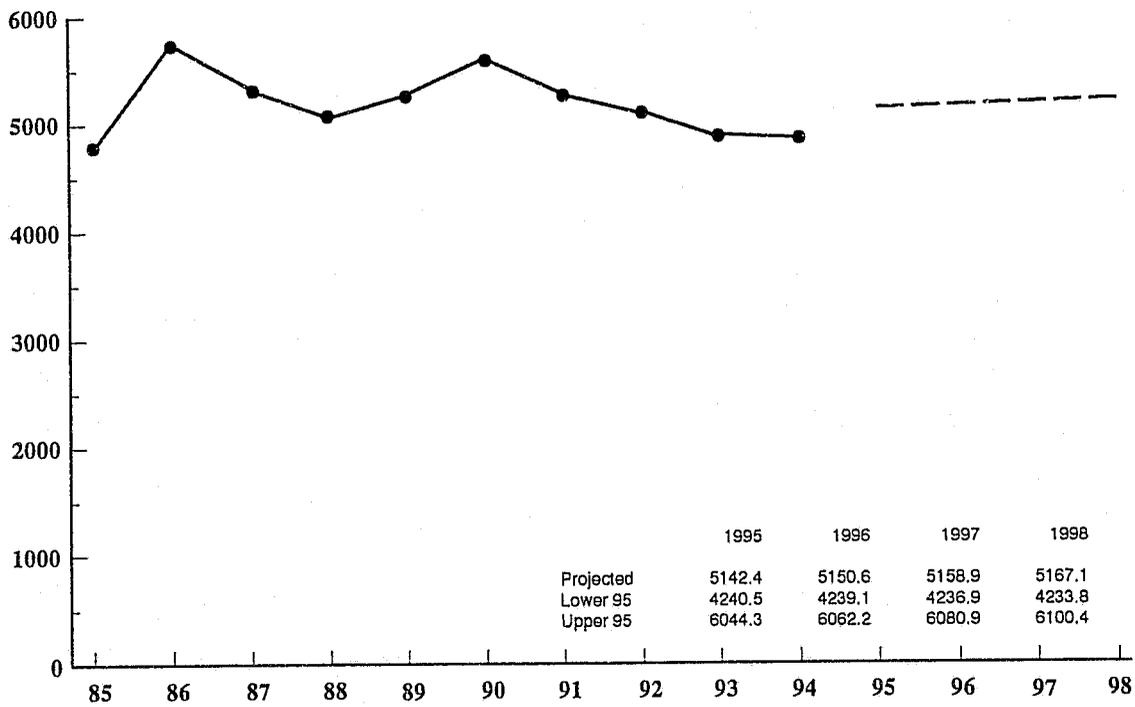


FIGURE 3.2.4

3.3 YOUNG DRIVER INVOLVEMENT

This section presents a series of data displays which describe young driver involvement in Missouri's traffic crash experience. Young driver traffic crashes are defined as any crash in which one or more drivers of motorized vehicles directly involved in the traffic crash were under the age of 21. Data displays also are provided which identify characteristics of these young drivers.

1994 SUMMARY ANALYSIS

- Of all 1994 Missouri traffic crashes, 29.5% involved a young driver. Of all fatal traffic crashes, 27.9% involved a young driver. A total of 311 persons were killed and 25,996 were injured in traffic crashes involving young drivers.
- There was an increase of 5.4% in the rate of change when comparing 1994 young driver traffic crashes with those occurring in 1993. However, there was an increase of 29.5% when comparing 1994 fatal young driver traffic crashes with 1993.
- In 1994, one person was killed or injured in young driver related traffic crashes every 20.0 minutes in the State of Missouri.
- Of all young driver related traffic crashes, the first harmful event in 75.0% of the incidents involved one motor vehicle in transport striking another motor vehicle in transport. In 15.6% of the cases, the first harmful event involved one motor vehicle striking a fixed object. In young driver fatal traffic crashes, 33.6% of the cases involved a motor vehicle striking a fixed object.
- Of all 1994 young driver crashes, 60.6% occurred in an urban area and 39.4% occurred in a rural area of the State. However, 80.3% of the fatal young driver crashes occurred in a rural area.
- Of all young driver traffic crashes, 34.8% occurred on Friday or Saturday.
- Of all young drivers involved in traffic crashes, 59.8% were male and 40.2% were female. Of those young drivers involved in fatal traffic crashes, 73.9% were male. The average age of young drivers (20 years and under) was 17.8 years.
- Of the young drivers, 90.6% had a Missouri driver's license/permit, 5.9% had an out-of-state driver's license, and 3.5% were unlicensed at the time of the crash.
- Of the young drivers, 77.2% were driving an automobile and 15.4% were driving a pick-up truck at the time of the crash. In fatal traffic crashes, 19.2% were driving a pick-up truck.
- In 40.5% of the 1994 young driver related fatal traffic crashes, a young driver was either exceeding the speed limit or driving too fast for conditions which contributed to the cause of the crash. In 17.0% of these fatal crashes, the young driver's drinking condition contributed to the cause of the crash.

1994 MISSOURI TRAFFIC CRASHES

YOUNG DRIVER INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹ KILLED INJURED		YOUNG DRIVERS ² KILLED INJURED	
YOUNG DRIVER INVOLVED	259	27.9	15,096	31.3	30,973	28.7	46,328	29.5	311	25,996	146	9,698
NO YOUNG DRIVER INVOLVED	671	72.1	33,066	68.7	76,840	71.3	110,577	70.5	760	51,057	-	-
UNKNOWN ³	17	-	2,869	-	20,581	-	23,467	-	18	3,974	-	-
TOTAL	947	100.0	51,031	100.0	128,394	100.0	180,372	100.0	1,089	81,027	146	9,698

¹This statistic indicates the total number of persons killed and injured in a crash where one or more young drivers were involved.

²This statistic indicates the number of young drivers killed and injured.

³Crashes were classified as unknown if the following conditions exist: none of the known drivers involved in the accident was 20 years of age and younger and the ages of one or more drivers involved in the crash was not known.

TABLE 3.3.1

1993 and 1994 YOUNG DRIVER INVOLVED CRASH ANALYSIS

	1993	1994	RATE OF CHANGE
FATAL	200	259	+ 29.5
PERSONAL INJURY	14,042	15,096	+ 7.5
PROPERTY DAMAGE	29,709	30,973	+ 4.3
TOTAL	43,951	46,328	+ 5.4

TABLE 3.3.2

1994 YOUNG DRIVER INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	1	0.4	41	0.3	540	1.7	582	1.3
BICYCLIST	1	0.4	124	0.8	16	0.1	141	0.3
FIXED OBJECT	87	33.6	3,095	20.5	4,052	13.1	7,234	15.6
OTHER OBJECT	0	0.0	45	0.3	134	0.4	179	0.4
PEDESTRIAN	10	3.9	240	1.6	9	0.0	259	0.6
TRAIN	3	1.2	7	0.1	5	0.0	15	0.0
VEHICLE IN TRANSPORT	111	42.9	10,498	69.5	24,147	78.0	34,756	75.0
VEHICLE ON OTHER ROADWAY	4	1.5	30	0.2	54	0.2	88	0.2
PARKED VEHICLE	4	1.5	250	1.7	1,453	4.7	1,707	3.7
NON-COLLISION OVERTURN	32	12.4	667	4.4	415	1.3	1,114	2.4
NON-COLLISION OTHER	6	2.3	99	0.7	148	0.5	253	0.6
TOTAL	259	100.0	15,096	100.0	30,973	100.0	46,328	100.0

TABLE 3.3.3

1994 YOUNG DRIVER INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	51	19.7	8,561	56.7	19,466	62.9	28,078	60.6
RURAL	208	80.3	6,535	43.3	11,507	37.1	18,250	39.4
TOTAL	259	100.0	15,096	100.0	30,973	100.0	46,328	100.0

TABLE 3.3.4

1994 YOUNG DRIVER INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	177	68.3	12,453	83.3	23,655	86.8	36,285	85.4
CURVE	82	31.7	2,490	16.7	3,609	13.2	6,181	14.6
UNKNOWN	0	-	153	-	3,709	-	3,862	-
TOTAL	259	100.0	15,096	100.0	30,973	100.0	46,328	100.0

TABLE 3.3.5

1994 YOUNG DRIVER INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	118	45.6	9,926	66.6	19,532	72.0	29,576	69.9
HILL	122	47.1	4,557	30.6	6,981	25.7	11,660	27.6
CREST	19	7.3	411	2.8	619	2.3	1,049	2.5
UNKNOWN	0	-	202	-	3,841	-	4,043	-
TOTAL	259	100.0	15,096	100.0	30,973	100.0	46,328	100.0

TABLE 3.3.6

1994 YOUNG DRIVER INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	214	82.6	11,450	76.2	22,897	74.3	34,561	75.0
WET	41	15.8	3,174	21.1	6,630	21.5	9,845	21.4
SNOW	1	0.4	141	0.9	449	1.5	591	1.3
ICE	3	1.2	260	1.7	816	2.7	1,079	2.3
MUD	0	0.0	11	0.1	26	0.1	37	0.1
UNKNOWN	0	-	60	-	155	-	215	-
TOTAL	259	100.0	15,096	100.0	30,973	100.0	46,328	100.0

TABLE 3.3.7

1994 YOUNG DRIVER INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	27	10.4	1,143	7.6	2,166	7.0	3,336	7.2
U.S. HIGHWAY	45	17.4	1,857	12.3	3,581	11.6	5,483	11.8
STATE NUMBERED	73	28.2	2,732	18.1	5,407	17.5	8,212	17.7
SINGLE STATE LETTERED	35	13.5	1,141	7.6	1,592	5.1	2,768	6.0
DOUBLE STATE LETTERED	13	5.0	511	3.4	730	2.4	1,254	2.7
OUTER ROAD	2	0.8	174	1.2	431	1.4	607	1.3
COUNTY ROAD	36	13.9	2,050	13.6	3,573	11.5	5,659	12.2
CITY STREET	25	9.7	4,914	32.6	12,185	39.3	17,124	37.0
INTERSTATE LOOP	0	0.0	132	0.9	257	0.8	389	0.8
OTHER ¹	3	1.2	442	2.9	1,051	3.4	1,496	3.2
TOTAL	259	100.0	15,096	100.0	30,973	100.0	46,328	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.3.8

1994 YOUNG DRIVER INVOLVED CRASHES

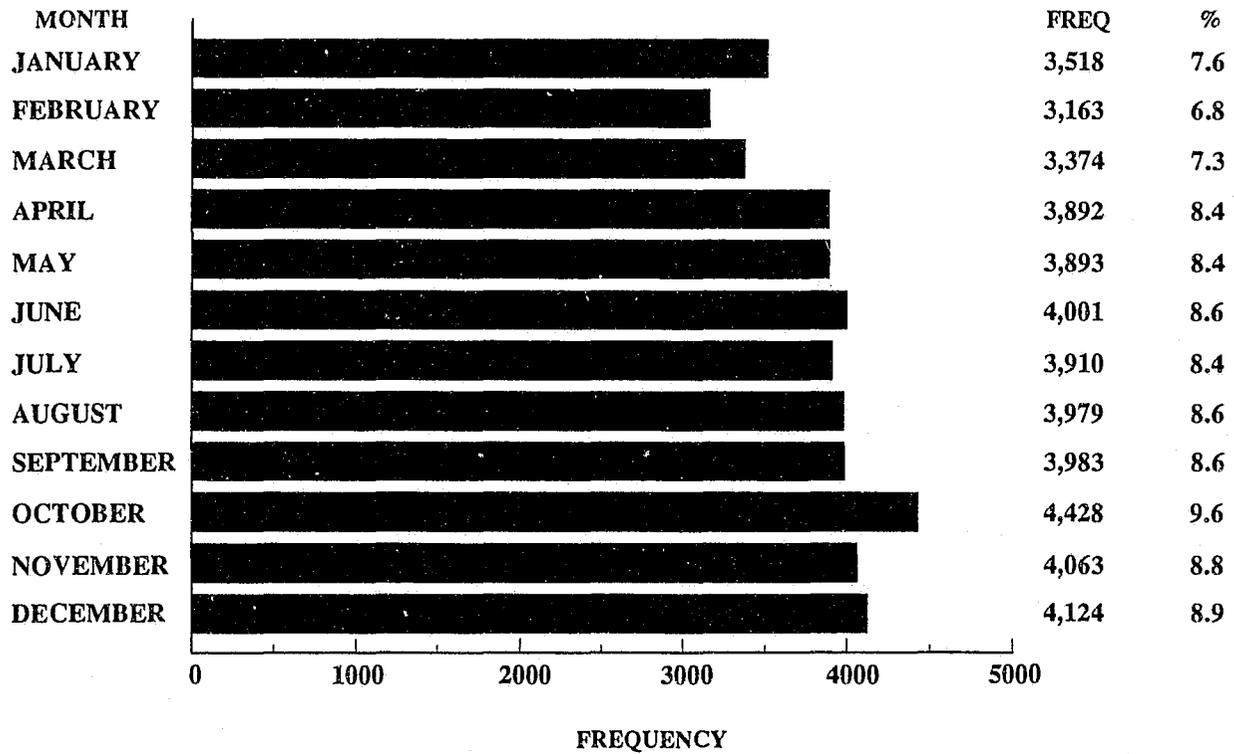
HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	14	27.5	711	8.3	1,328	6.8	2,053	7.3	13	6.3	432	6.6	838	7.3	1,283	7.0
U.S. HIGHWAY	2	3.9	967	11.3	2,028	10.4	2,997	10.7	43	20.7	890	13.6	1,553	13.5	2,486	13.6
STATE NUMBERED	5	9.8	1,142	13.3	2,697	13.9	3,844	13.7	68	32.7	1,590	24.3	2,710	23.6	4,368	23.9
SINGLE STATE LETTERED	2	3.9	195	2.3	459	2.4	656	2.3	33	15.9	946	14.5	1,133	9.9	2,112	11.6
DOUBLE STATE LETTERED	1	2.0	118	1.4	229	1.2	348	1.2	12	5.8	393	6.0	501	4.4	906	5.0
OUTER ROAD	2	3.9	120	1.4	324	1.7	446	1.6	0	0.0	54	0.8	107	0.9	161	0.9
COUNTY ROAD	4	7.8	360	4.2	744	3.8	1,108	4.0	32	15.4	1,690	25.9	2,829	24.6	4,551	24.9
CITY STREET	21	41.2	4,547	53.1	10,785	55.4	15,353	54.7	4	1.9	367	5.6	1,400	12.2	1,771	9.7
INTERSTATE LOOP	0	0.0	107	1.3	187	1.0	294	1.1	0	0.0	25	0.4	70	0.6	95	0.5
OTHER ¹	0	0.0	294	3.4	685	3.5	979	3.5	3	1.4	148	2.3	366	3.2	517	2.8
TOTAL	51	100.0	8,561	100.0	19,466	100.0	28,078	100.0	208	100.0	6,535	100.0	11,507	100.0	18,250	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.3.9

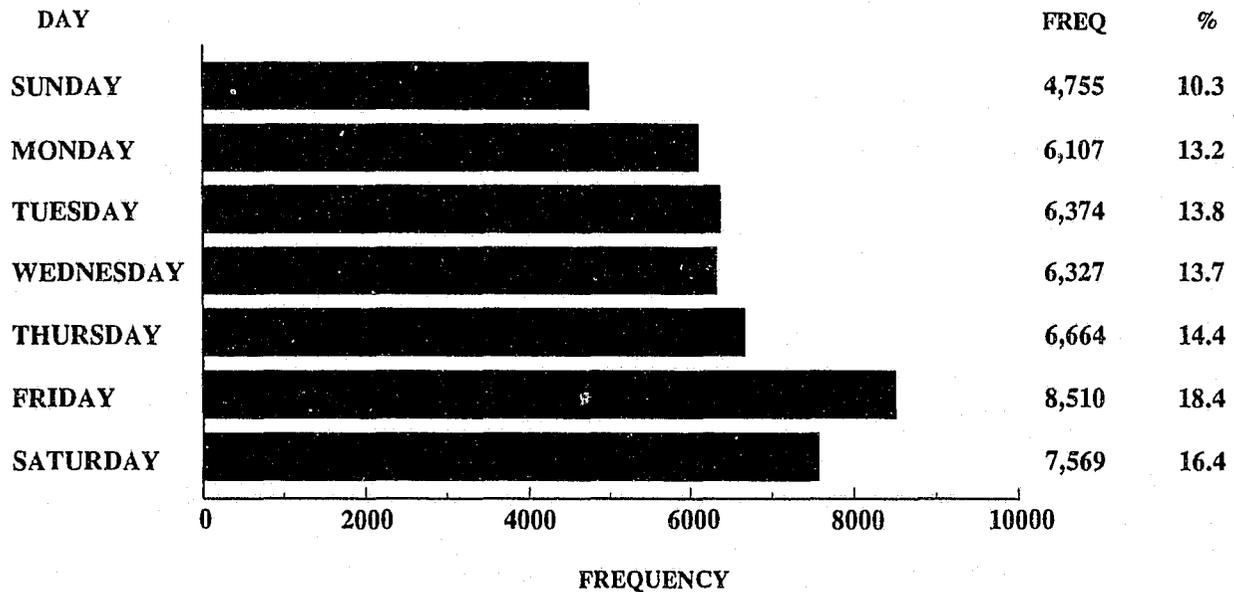
**1994 MISSOURI YOUNG DRIVER INVOLVED CRASHES
MONTH OF YEAR**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.3.1

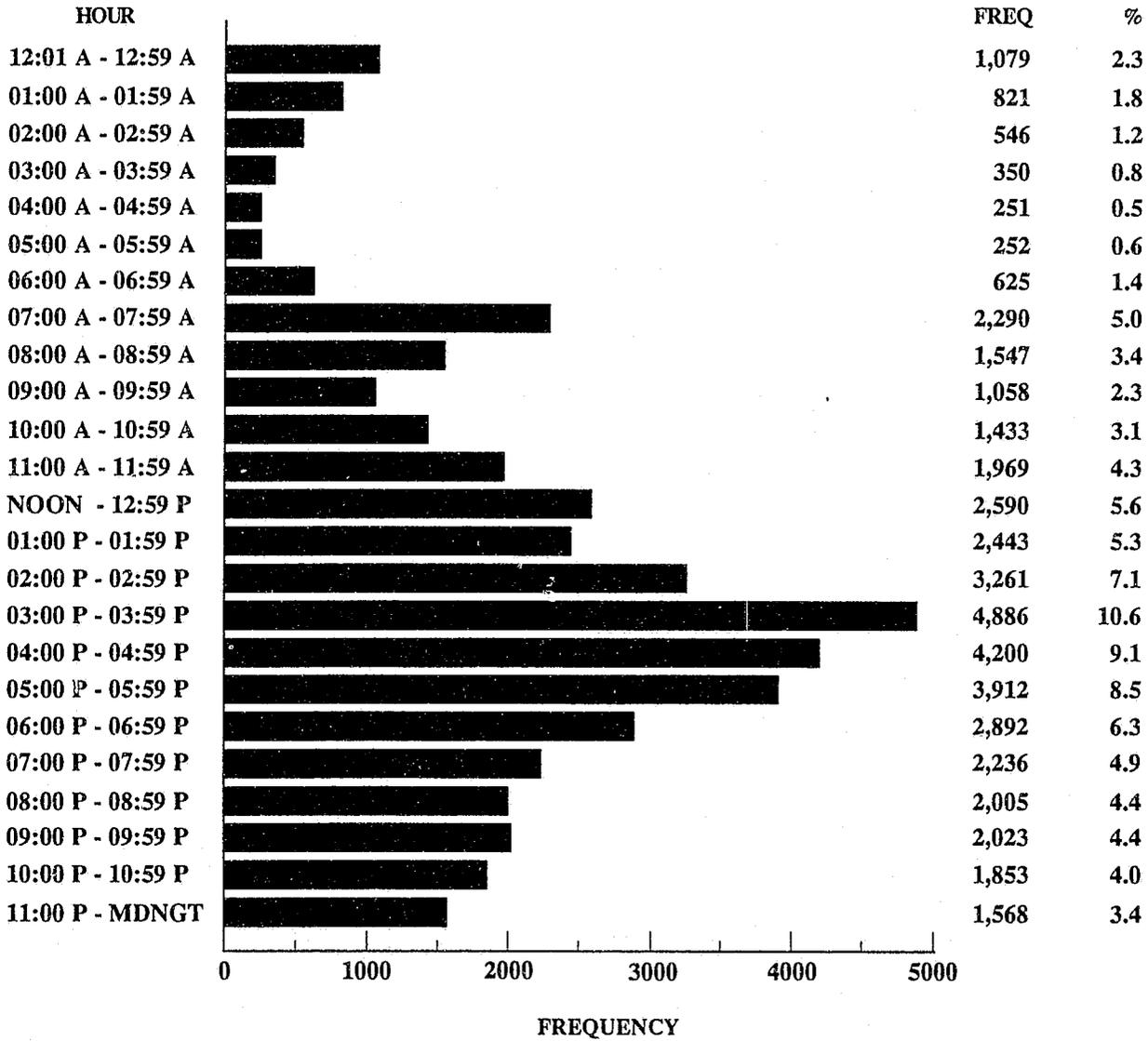
**1994 MISSOURI YOUNG DRIVER INVOLVED CRASHES
DAY OF WEEK**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.3.2

**1994 MISSOURI YOUNG DRIVER INVOLVED CRASHES
HOUR OF DAY**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.3.3

1994 MISSOURI YOUNG DRIVER CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL YOUNG DRIVER CRASHES = 259				TOTAL YOUNG DRIVER CRASHES = 46,328		
	YOUNG DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	YOUNG DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	40.5	4.2	44.8	17.8	2.9	20.3
IMPROPER PASSING	3.1	0.4	3.5	1.2	0.6	1.8
VIOLATION OF STOP SIGN	2.7	2.3	4.6	3.4	1.6	4.9
WRONG SIDE NOT PASSING	18.5	5.4	23.9	2.5	0.7	3.1
FOLLOWING TOO CLOSE	0.4	0.8	1.2	8.5	3.5	11.7
IMPROPER SIGNAL	0.0	0.4	0.4	0.3	0.2	0.4
IMPROPER BACKING	0.0	0.0	0.0	1.3	0.5	1.8
IMPROPER TURN	0.8	0.8	1.5	2.2	1.2	3.4
IMPROPER LANE USAGE/CHANGE	2.7	1.2	3.9	2.4	1.5	3.8
WRONG WAY ONE-WAY STREET	0.0	0.8	0.8	0.1	0.1	0.2
IMPROPER START FROM PARK	0.0	0.4	0.4	0.3	0.1	0.4
IMPROPERLY PARKED	0.0	0.4	0.4	0.1	0.3	0.4
VEHICLE DEFECTS	1.2	1.5	2.7	2.5	0.5	3.0
FAILED TO YIELD	6.2	3.5	9.7	13.3	8.0	21.0
DRINKING	17.0	4.6	21.2	2.2	1.1	3.3
DRUGS	0.8	0.8	1.5	0.1	0.0	0.1
PHYSICAL IMPAIRMENT	2.3	1.5	3.9	0.8	0.1	0.9
INATTENTION	47.5	10.8	57.5	44.1	16.9	57.3

¹This table identifies the percentage of young driver crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the young driver or his vehicle as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 1994 Missouri fatal young driver crashes, it was found that a young driver was speeding in 40.5% of the crashes. In 4.2% of the crashes another driver was speeding. In 44.8% of the crashes either a young driver, another driver, or both drivers were speeding.

TABLE 3.3.10

YOUNG DRIVERS INVOLVED IN 1994 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	204	73.9	9,651	58.0	18,995	60.6	28,850	59.8
FEMALE	72	26.1	6,976	42.0	12,377	39.4	19,425	40.2
UNKNOWN	0	-	3	-	2,891	-	2,894	-
TOTAL	276	100.0	16,630	100.0	34,263	100.0	51,169	100.0

TABLE 3.3.11

YOUNG DRIVERS INVOLVED IN 1994 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF YOUNG DRIVER¹	17.8	-	17.8	-	17.8	-	17.8	-
15 YEARS AND UNDER	11	4.0	293	1.8	566	1.7	870	1.7
16 YEARS	57	20.7	3,665	22.0	7,639	22.3	11,361	22.2
17 YEARS	45	16.3	3,612	21.7	7,273	21.2	10,930	21.4
18 YEARS	65	23.6	3,353	20.2	6,872	20.1	10,290	20.1
19 YEARS	51	18.5	3,131	18.8	6,461	18.9	9,643	18.9
20 YEARS	47	17.0	2,576	15.5	5,452	15.9	8,075	15.8
TOTAL	276	100.0	16,630	100.0	34,263	100.0	51,169	100.0

¹ Average age is based on only drivers with ages 20 years and under.

TABLE 3.3.12

YOUNG DRIVERS INVOLVED IN 1994 MISSOURI CRASHES
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	3	1.1	156	1.0	345	1.2	504	1.2
FOR HIRE	1	0.4	77	0.5	143	0.5	221	0.5
OPERATOR'S LICENSE	227	82.9	13,311	88.2	24,692	88.8	38,230	88.6
MOTORCYCLE ONLY	0	0.0	1	0.0	4	0.0	5	0.0
COMERCIAL DRIVER'S LICENSE	2	0.7	40	0.3	95	0.3	137	0.3
SUB-TOTAL	233	85.0	13,585	90.1	25,279	90.9	39,097	90.6
OUTSTATE								
LEARNER'S PERMIT	0	0.0	10	0.1	10	0.0	20	0.1
FOR HIRE	1	0.4	2	0.0	3	0.0	6	0.0
OPERATOR'S LICENSE	21	7.7	822	5.5	1,670	6.0	2,513	5.8
MOTORCYCLE ONLY	0	0.0	0	0.0	1	0.0	1	0.0
COMMERCIAL DRIVER'S LICENSE	0	0.0	12	0.1	11	0.0	23	0.1
SUB-TOTAL	22	8.0	846	5.6	1,695	6.1	2,563	5.9
UNLICENSED	19	6.9	655	4.3	833	3.0	1,507	3.5
UNKNOWN	2	-	1,544	-	6,456	-	8,002	-
TOTAL	276	100.0	16,630	100.0	34,263	100.0	51,169	100.0

TABLE 3.3.13

YOUNG DRIVERS INVOLVED IN 1994 MISSOURI CRASHES

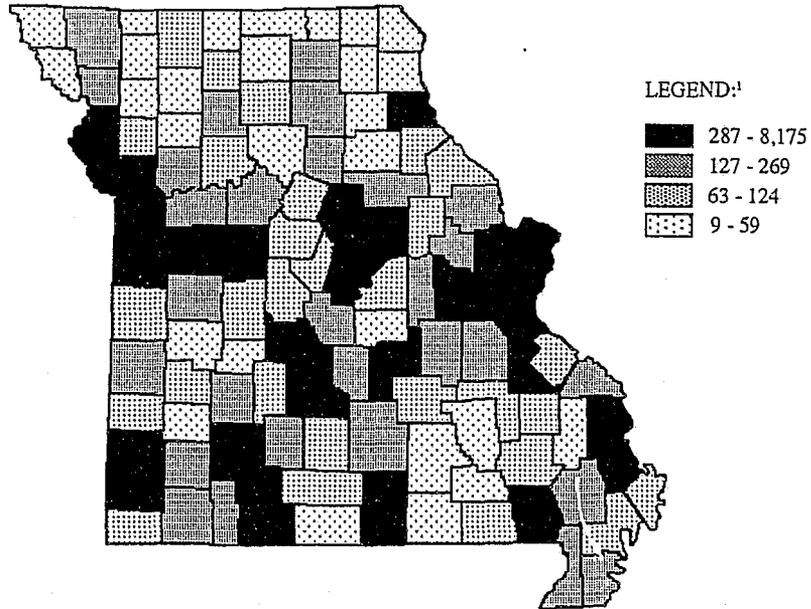
TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	183	66.3	12,867	77.4	26,446	77.2	39,496	77.2
SPORT UTILITY VEHICLE	18	6.5	631	3.8	1,281	3.7	1,930	3.8
VAN/SMALL BUS	9	3.3	334	2.0	777	2.3	1,120	2.2
BUS	0	0.0	3	0.0	2	0.0	5	0.0
SCHOOL BUS	0	0.0	0	0.0	1	0.0	1	0.0
MOTORCYCLE	7	2.5	195	1.2	43	0.1	245	0.5
MOPED	1	0.4	8	0.1	6	0.0	15	0.0
MOTORHOME/CAMPER	0	0.0	0	0.0	1	0.0	1	0.0
FARM EQUIPMENT	0	0.0	5	0.0	14	0.0	19	0.0
CONSTRUCTION EQUIPMENT	0	0.0	1	0.0	7	0.0	8	0.0
OTHER TRANSPORT DEVICE	0	0.0	5	0.0	8	0.0	13	0.0
PICK-UP TRUCK	53	19.2	2,449	14.7	5,371	15.7	7,873	15.4
OTHER TRUCKS	3	1.1	101	0.6	276	0.8	380	0.7
ALL TERRAIN VEHICLE	2	0.7	25	0.2	10	0.0	37	0.1
UNKNOWN	0	-	6	-	20	-	26	-
TOTAL	276	100.0	16,630	100.0	34,263	100.0	51,169	100.0

TABLE 3.3.14

1994 YOUNG DRIVER INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	8,175	17.6	19.0	PETTIS	436	0.9
2.0	JACKSON	6,224	13.4	20.0	PHELPS	407	0.9
3.0	ST. LOUIS CITY	2,891	6.2	21.0	NEWTON	404	0.9
4.0	GREENE	2,719	5.9	22.0	MARION	364	0.8
5.0	ST. CHARLES	2,082	4.5	23.0	TANEY	360	0.8
6.0	CLAY	1,565	3.4	24.0	SCOTT	347	0.7
7.0	JEFFERSON	1,526	3.3	25.0	HOWELL	335	0.7
8.0	BOONE	1,202	2.6	26.0	CAMDEN	329	0.7
9.0	JASPER	1,103	2.4	27.0	LACLEDE	328	0.7
10.0	CAPE GIRARDEAU	961	2.1	28.0	CHRISTIAN	317	0.7
11.0	BUCHANAN	848	1.8	29.0	CALLAWAY	287	0.6
12.0	FRANKLIN	846	1.8				
13.0	COLE	840	1.8				
14.0	CASS	545	1.2				
15.0	ST. FRANCOIS	514	1.1				
16.0	PLATTE	488	1.1	30.0	DUNKLIN	269	0.6
17.0	BUTLER	462	1.0	31.0	RANDOLPH	268	0.6
18.0	JOHNSON	455	1.0	32.0	LAWRENCE	263	0.6
				33.0	LAFAYETTE	235	0.5

First Quartile

Second Quartile

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
34.0	BARRY	222	0.5	75.5	CEDAR	85	0.2
35.0	SALINE	213	0.5	75.5	DOUGLAS	85	0.2
36.0	ADAIR	208	0.4	77.0	MADISON	81	0.2
37.0	VERNON	204	0.4	78.0	CARROLL	80	0.2
38.0	STODDARD	197	0.4	79.0	HOWARD	75	0.2
39.5	HENRY	196	0.4	80.0	RIPLEY	73	0.2
39.5	MILLER	196	0.4	81.0	BENTON	71	0.2
41.0	LINCOLN	192	0.4	82.5	HARRISON	69	0.1
42.0	PULASKI	185	0.4	82.5	RALLS	69	0.1
43.0	NODAWAY	184	0.4	84.0	WAYNE	68	0.1
44.0	STONE	182	0.4	85.5	BARTON	64	0.1
45.0	PERRY	179	0.4	85.5	MISSISSIPPI	64	0.1
46.0	POLK	172	0.4	87.0	IRON	63	0.1
47.0	RAY	168	0.4				
48.0	WEBSTER	163	0.4				Third Quartile
49.0	WARREN	145	0.3				
50.0	CRAWFORD	142	0.3				Fourth Quartile
51.0	AUDRAIN	141	0.3	88.5	BOLLINGER	59	0.1
52.0	WASHINGTON	140	0.3	88.5	CLARK	59	0.1
53.0	TEXAS	137	0.3	90.0	CHARITON	58	0.1
54.0	GASCONADE	136	0.3	91.0	OZARK	56	0.1
55.5	LIVINGSTON	131	0.3	92.0	MONROE	55	0.1
55.5	PEMISCOTT	131	0.3	93.0	LEWIS	51	0.1
57.0	MACON	128	0.3	94.0	ST. CLAIR	47	0.1
58.0	ANDREW	127	0.3	95.0	DEKALB	46	0.1
			Second Quartile	96.5	CALDWELL	44	0.1
				96.5	SULLIVAN	44	0.1
			Third Quartile	98.0	DAVISS	42	0.1
				99.0	MARIES	41	0.1
59.0	MONITEAU	124	0.3	100.0	HICKORY	38	0.1
60.0	COOPER	122	0.3	101.5	ATCHISON	37	0.1
61.0	PIKE	121	0.3	101.5	SCOTLAND	37	0.1
62.0	MORGAN	119	0.3	103.0	GENTRY	36	0.1
63.5	DENT	108	0.2	104.5	DADE	34	0.1
63.5	WRIGHT	108	0.2	104.5	OREGON	34	0.1
65.0	NEW MADRID	106	0.2	106.5	CARTER	33	0.1
66.0	GRUNDY	105	0.2	106.5	PUTNAM	33	0.1
67.5	BATES	104	0.2	108.0	SHELBY	31	0.1
67.5	MCDONALD	104	0.2	109.5	HOLT	28	0.1
69.5	DALLAS	101	0.2	109.5	MERCER	28	0.1
69.5	STE. GENEVIEVE	101	0.2	111.5	KNOX	26	0.1
71.0	OSAGE	100	0.2	111.5	SHANNON	26	0.1
72.0	MONTGOMERY	93	0.2	113.0	REYNOLDS	24	0.1
73.5	CLINTON	91	0.2	114.0	SCHUYLER	13	0.0
73.5	LINN	91	0.2	115.0	WORTH	9	0.0

TABLE 3.3.15

1994 YOUNG DRIVER INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	4,254	13.1
2.0	ST. LOUIS	2,891	8.9
3.0	SPRINGFIELD	2,177	6.7
4.0	INDEPENDENCE	1,142	3.5
5.0	COLUMBIA	948	2.9
6.0	ST. JOSEPH	781	2.4
7.0	ST. CHARLES	741	2.3
8.0	JOPLIN	726	2.2
9.0	CAPE GIRARDEAU	701	2.2
10.0	JEFFERSON CITY	677	2.1
11.0	ST. PETERS	586	1.8
12.0	BLUE SPRINGS	490	1.5
13.0	LEE'S SUMMIT	469	1.4
14.0	FLORISSANT	406	1.2
15.0	CHESTERFIELD	380	1.2
16.0	SEDALIA	328	1.0
17.0	POPLAR BLUFF	306	0.9
18.0	MARYLAND HEIGHTS	281	0.9
19.0	HANNIBAL	267	0.8
20.0	ARNOLD	258	0.8
21.0	KIRKWOOD	250	0.8
22.0	BRIDGETON	248	0.8
23.0	RAYTOWN	245	0.8
24.0	WARRENSBURG	238	0.7
25.0	O'FALLON	235	0.7
26.0	LIBERTY	233	0.7
27.0	RICHMOND HEIGHTS	226	0.7
28.0	GLADSTONE	225	0.7
29.0	ROLLA	224	0.7
30.0	CREVE COEUR	199	0.6
31.5	LEBANON	196	0.6
31.5	SIKESTON	196	0.6
33.0	MOBERLY	186	0.6
34.0	WEST PLAINS	178	0.5
35.0	KIRKSVILLE	166	0.5
36.0	HAZELWOOD	164	0.5
37.0	FARMINGTON	161	0.5
38.0	WASHINGTON	160	0.5
39.0	FERGUSON	158	0.5
40.5	BRANSON	155	0.5
40.5	TOWN AND COUNTRY	155	0.5
42.0	GRANDVIEW	152	0.5
44.0	BELTON	150	0.5
44.0	UNIVERSITY CITY	150	0.5
44.0	WEBSTER GROVES	150	0.5
46.0	OVERLAND	148	0.5

¹Percentage is based on young driver involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

TABLE 3.3.16

**MISSOURI FATAL AND PERSONAL INJURY YOUNG DRIVER INVOLVED CRASHES
ANNUAL TIME SERIES**

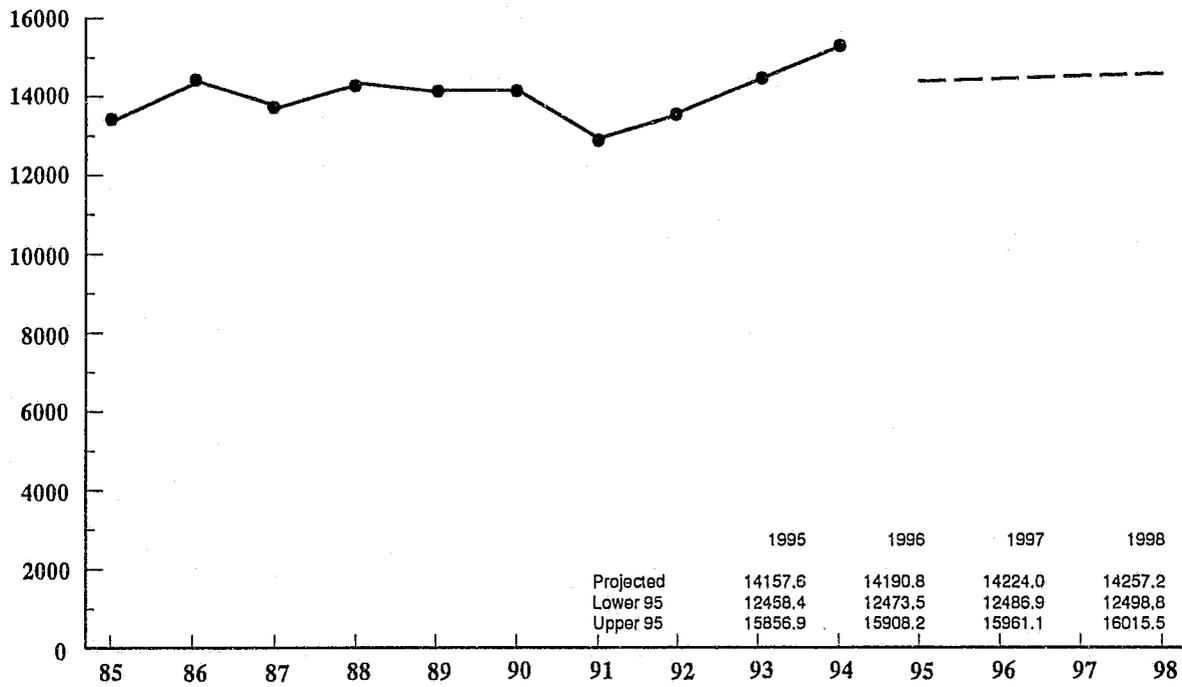


FIGURE 3.3.4

3.4 OLDER DRIVER INVOLVEMENT

This section presents a series of data displays which describe older driver involvement in Missouri's traffic crash experience. Older driver traffic crashes are defined as any crash in which one or more drivers of motorized vehicles directly involved in the traffic crash were 55 years or older. Data displays also are provided which identify characteristics of these older drivers.

1994 SUMMARY ANALYSIS

- Of all 1994 Missouri traffic crashes, 25.5% involved an older driver. Of all fatal traffic crashes, 27.6% involved an older driver. A total of 305 persons were killed and 19,364 were injured in traffic crashes involving older drivers.
- There was an increase of 1.9% in the rate of change when comparing 1994 older driver traffic crashes with those occurring in 1993. However, there was an increase of 10.8% when comparing 1994 fatal older driver traffic crashes with 1993.
- In 1994, one person was killed or injured in older driver related traffic crashes every 26.7 minutes in the State of Missouri.
- Of all older driver related traffic crashes, the first harmful event in 85.7% of the incidents involved one motor vehicle in transport striking another motor vehicle in transport. In 5.6% of the cases, the first harmful event involved one motor vehicle striking a fixed object. In older driver fatal traffic crashes, 22.3% of the cases involved a motor vehicle striking a fixed object.
- Of all 1994 older driver crashes, 66.1% occurred in an urban area and 33.9% occurred in a rural area of the State. However, 75.8% of the fatal older driver crashes occurred in a rural area.
- Of all older driver traffic crashes, 87.8% occurred from 7:00 A.M. through 6:59 P.M.
- Of all older drivers involved in traffic crashes, 61.9% were male and 38.1% were female. The average age of older drivers (55 years and older) was 67.0 years.
- Of the older drivers, 89.3% had a Missouri driver's license, 10.1% had an out-of-state driver's license, and 0.6% were unlicensed at the time of the crash.
- Of the older drivers, 71.3% were driving an automobile and 15.4% were driving a pick-up truck at the time of the crash.

1994 MISSOURI TRAFFIC CRASHES

OLDER DRIVER INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹ KILLED INJURED		OLDER DRIVERS ² KILLED INJURED	
OLDER DRIVER INVOLVED	256	27.6	11,696	24.3	28,128	26.1	40,080	25.5	305	19,364	165	6,799
NO OLDER DRIVER INVOLVED	673	72.4	36,458	75.7	79,801	73.9	116,932	74.5	765	57,669	-	-
UNKNOWN ³	18	-	2,877	-	20,465	-	23,360	-	19	3,994	-	-
TOTAL	947	100.0	51,031	100.0	128,394	100.0	180,372	100.0	1,089	81,027	165	6,799

¹This statistic indicates the total number of persons killed and injured in a crash where one or more older drivers were involved.

²This statistic indicates the number of older drivers killed and injured.

³Crashes were classified as unknown if the following conditions exist: none of the known drivers involved in the accident was 55 years of age and older and the ages of one or more drivers involved in the crash was not known.

TABLE 3.4.1

1993 and 1994 OLDER DRIVER INVOLVED CRASH ANALYSIS

	1993	1994	RATE OF CHANGE
FATAL	231	256	+ 10.8
PERSONAL INJURY	11,405	11,696	+ 2.6
PROPERTY DAMAGE	27,701	28,128	+ 1.5
TOTAL	39,337	40,080	+ 1.9

TABLE 3.4.2

**1994 OLDER DRIVER INVOLVED CRASHES
CRASH TYPE BY CRASH SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	1	0.4	27	0.2	597	2.1	625	1.6
BICYCLIST	1	0.4	135	1.2	24	0.1	160	0.4
FIXED OBJECT	57	22.3	880	7.5	1,321	4.7	2,258	5.6
OTHER OBJECT	0	0.0	20	0.2	159	0.6	179	0.5
PEDESTRIAN	12	4.3	221	1.9	9	0.0	241	0.6
TRAIN	3	1.2	10	0.1	18	0.1	31	0.1
VEHICLE IN TRANSPORT	164	64.1	10,033	85.8	24,157	85.9	34,354	85.7
VEHICLE ON OTHER ROADWAY	5	2.0	36	0.3	66	0.2	107	0.3
PARKED VEHICLE	3	1.2	143	1.2	1,492	5.3	1,638	4.1
NON-COLLISION OVERTURN	8	3.1	161	1.4	127	0.5	296	0.7
NON-COLLISION OTHER	3	1.2	30	0.3	158	0.6	191	0.5
TOTAL	256	100.0	11,696	100.0	28,128	100.0	40,080	100.0

TABLE 3.4.3

1994 OLDER DRIVER INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	62	24.2	7,612	65.1	18,811	66.9	26,485	66.1
RURAL	194	75.8	4,084	34.9	9,317	33.1	13,595	33.9
TOTAL	256	100.0	11,696	100.0	28,128	100.0	40,080	100.0

TABLE 3.4.4

1994 OLDER DRIVER INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	198	78.0	10,446	90.5	22,393	91.3	33,037	91.0
CURVE	56	22.0	1,100	9.5	2,122	8.7	3,278	9.0
UNKNOWN	2	-	150	-	3,613	-	3,765	-
TOTAL	256	100.0	11,696	100.0	28,128	100.0	40,080	100.0

TABLE 3.4.5

1994 OLDER DRIVER INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	146	57.3	8,178	71.1	18,351	75.3	26,675	73.8
HILL	99	38.8	3,049	26.5	5,553	22.8	8,701	24.1
CREST	10	3.9	280	2.4	481	2.0	771	2.1
UNKNOWN	1	-	189	-	3,743	-	3,933	-
TOTAL	256	100.0	11,696	100.0	28,128	100.0	40,080	100.0

TABLE 3.4.6

1994 OLDER DRIVER INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	209	82.3	8,939	76.8	21,674	77.6	30,822	77.4
WET	41	16.1	2,414	20.8	5,446	19.5	7,901	19.8
SNOW	0	0.0	102	0.9	298	1.1	400	1.0
ICE	4	1.6	176	1.5	517	1.9	697	1.8
MUD	0	0.0	3	0.0	10	0.0	13	0.0
UNKNOWN	2	-	62	-	183	-	247	-
TOTAL	256	100.0	11,696	100.0	28,128	100.0	40,080	100.0

TABLE 3.4.7

1994 OLDER DRIVER INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	30	11.7	1,223	10.5	2,641	9.4	3,894	9.7
U.S. HIGHWAY	69	27.0	1,808	15.5	3,762	13.4	5,639	14.1
STATE NUMBERED	68	26.6	2,356	20.1	5,075	18.0	7,499	18.7
SINGLE STATE LETTERED	23	9.0	591	5.1	1,207	4.3	1,821	4.5
DOUBLE STATE LETTERED	6	2.3	250	2.1	525	1.9	781	2.0
OUTER ROAD	2	0.8	125	1.1	296	1.1	423	1.1
COUNTY ROAD	18	7.0	798	6.8	1,973	7.0	2,789	7.0
CITY STREET	32	12.5	4,111	35.2	11,501	40.9	15,644	39.0
INTERSTATE LOOP	1	0.4	112	1.0	212	0.8	325	0.8
OTHER ¹	7	2.7	322	2.8	936	3.3	1,265	3.2
TOTAL	256	100.0	11,696	100.0	28,128	100.0	40,080	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.4.8

1994 OLDER DRIVER INVOLVED CRASHES

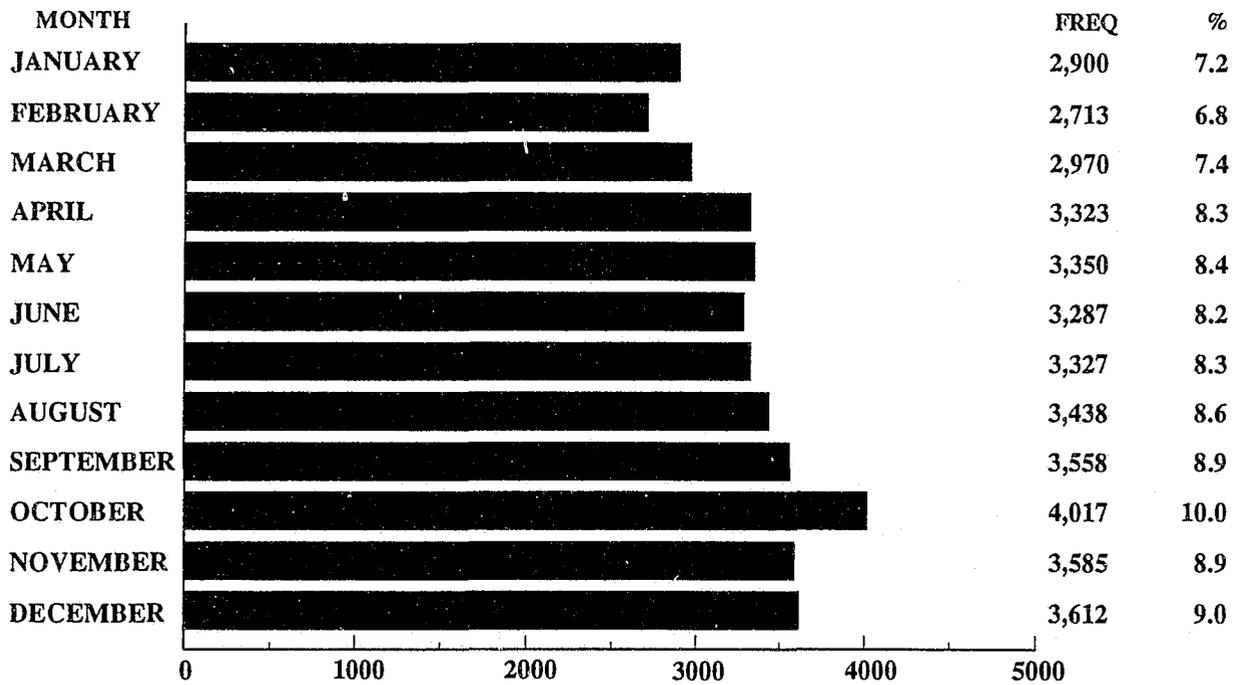
HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	13	21.0	741	9.7	1,595	8.5	2,349	8.9	17	8.8	482	11.8	1,046	11.2	1,545	11.4
U.S. HIGHWAY	6	9.7	902	11.9	2,032	10.8	2,940	11.1	63	32.5	906	22.2	1,730	18.6	2,699	19.9
STATE NUMBERED	6	9.7	1,096	14.4	2,482	13.2	3,584	13.5	62	32.0	1,260	30.9	2,593	27.8	3,915	28.8
SINGLE STATE LETTERED	1	1.6	164	2.2	421	2.2	586	2.2	22	11.3	427	10.5	786	8.4	1,235	9.1
DOUBLE STATE LETTERED	0	0.0	101	1.3	213	1.1	314	1.2	6	3.1	149	3.7	312	3.4	467	3.4
OUTER ROAD	0	0.0	84	1.1	210	1.1	294	1.1	2	1.0	41	1.0	86	0.9	129	1.0
COUNTY ROAD	3	4.8	303	4.0	757	4.0	1,063	4.0	15	7.7	495	12.1	1,216	13.1	1,726	12.7
CITY STREET	30	48.4	3,884	51.0	10,282	54.7	14,196	53.6	2	1.0	227	5.6	1,219	13.1	1,448	10.7
INTERSTATE LOOP	0	0.0	91	1.2	173	0.9	264	1.0	1	0.5	21	0.5	39	0.4	61	0.5
OTHER ¹	3	4.8	246	3.2	646	3.4	895	3.4	4	2.1	76	1.9	290	3.1	370	2.7
TOTAL	62	100.0	7,612	100.0	18,811	100.0	26,485	100.0	194	100.0	4,084	100.0	9,317	100.0	13,595	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.4.9

**1994 MISSOURI OLDER DRIVER INVOLVED CRASHES
MONTH OF YEAR**

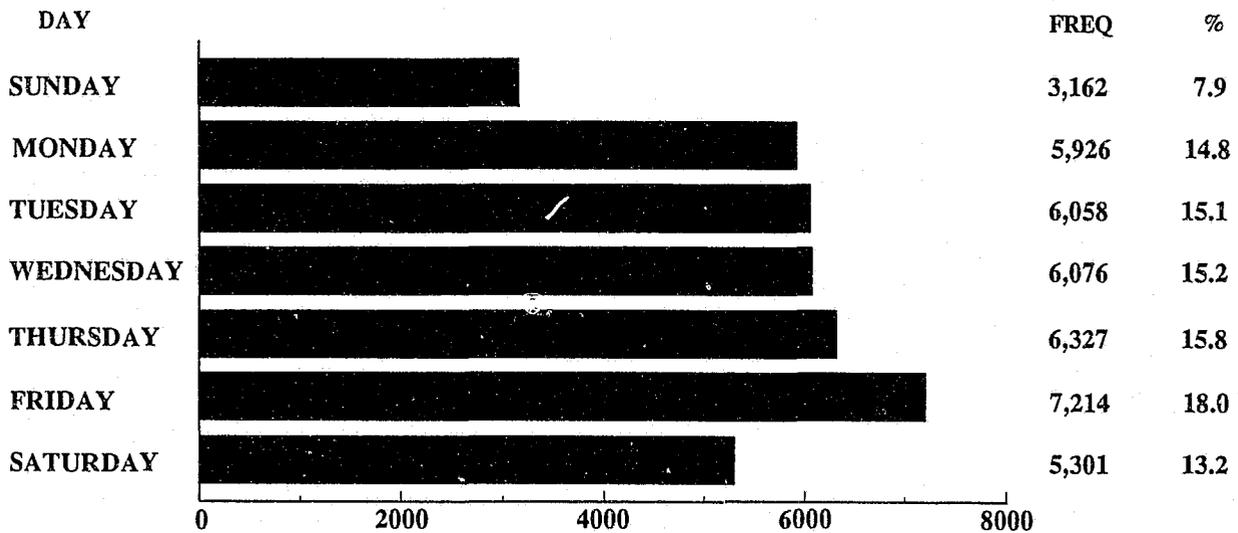


FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.4.1

**1994 MISSOURI OLDER DRIVER INVOLVED CRASHES
DAY OF WEEK**

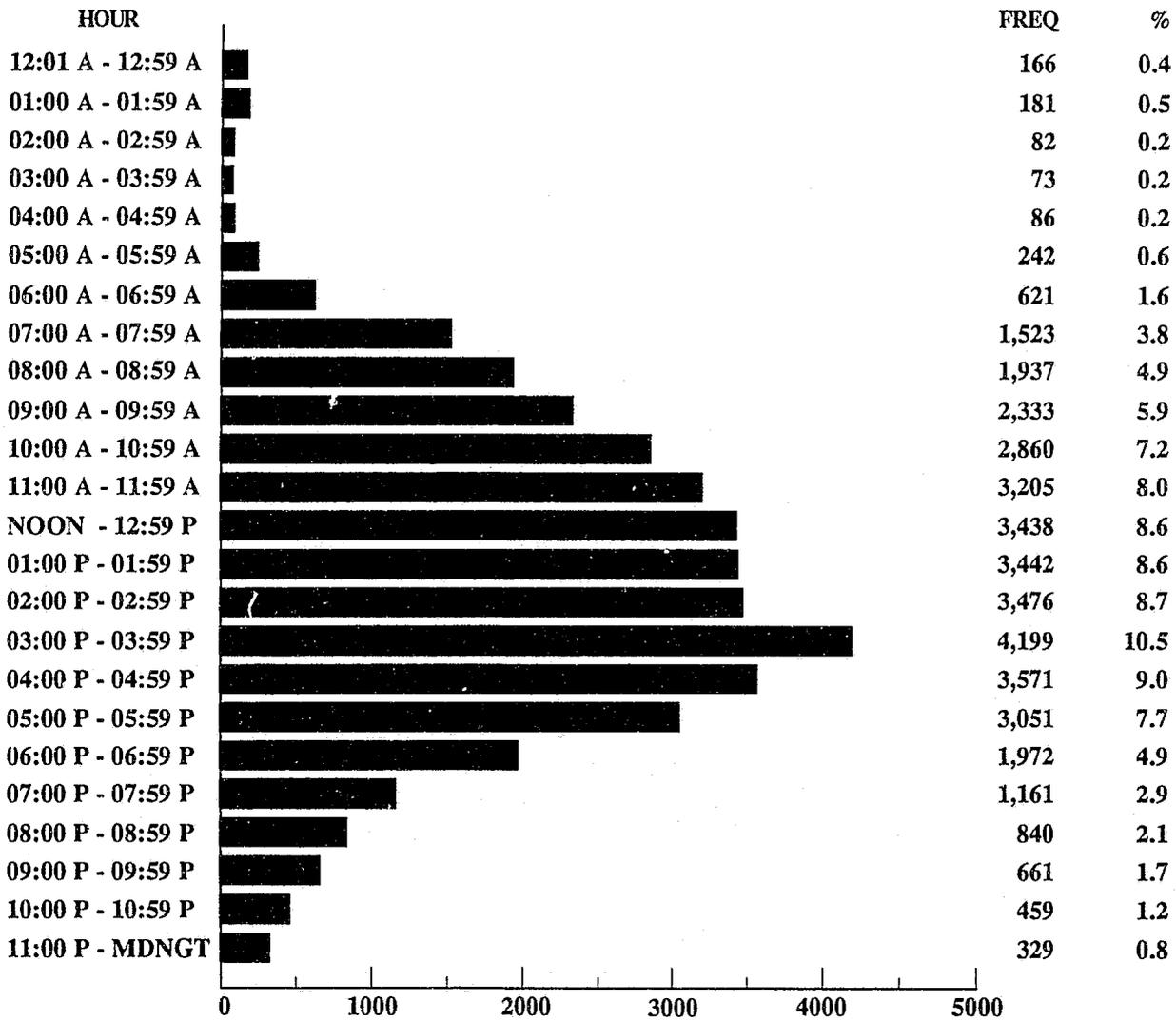


FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.4.2

**1994 MISSOURI OLDER DRIVER INVOLVED CRASHES
HOUR OF DAY**



FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.4.3

1994 MISSOURI OLDER DRIVER CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL OLDER DRIVER CRASHES = 256				TOTAL OLDER DRIVER CRASHES = 40,080		
	OLDER DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	OLDER DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
EXCEEDING SPEED LIMIT/ TOO FAST FOR CONDITIONS	7.4	10.5	17.6	4.6	5.5	9.8
IMPROPER PASSING	0.8	2.3	3.1	0.8	0.9	1.6
VIOLATION OF STOP SIGN	6.3	2.3	8.6	3.4	3.0	6.2
WRONG SIDE NOT PASSING	7.4	8.2	15.2	0.9	0.9	1.8
FOLLOWING TOO CLOSE	0.4	1.2	1.6	4.5	6.0	10.2
IMPROPER SIGNAL	0.4	0.4	0.8	0.2	0.2	0.4
IMPROPER BACKING	0.4	0.0	0.4	1.6	0.8	2.4
IMPROPER TURN	3.1	0.4	3.5	2.9	1.2	4.1
IMPROPER LANE USAGE/CHANGE	3.5	0.8	4.3	2.7	1.6	4.2
WRONG WAY ONE-WAY STREET	1.6	0.4	2.0	0.1	0.1	0.2
IMPROPER START FROM PARK	0.0	0.4	0.4	0.3	0.1	0.4
IMPROPERLY PARKED	0.0	0.4	0.4	0.1	0.4	0.5
VEHICLE DEFECTS	1.6	1.2	2.7	1.4	1.2	2.6
FAILED TO YIELD	23.4	2.0	25.4	17.4	8.5	25.7
DRINKING	6.3	5.1	11.3	1.3	0.9	2.2
DRUGS	0.4	0.8	1.2	0.1	0.1	0.1
PHYSICAL IMPAIRMENT	7.4	0.4	7.8	1.4	0.2	1.5
INATTENTION	43.0	13.3	55.1	36.1	25.3	57.1

¹This table identifies the percentage of older driver crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the older driver or his vehicle as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 1994 Missouri fatal older driver crashes, it was found that an older driver was speeding in 7.4% of the crashes. In 10.5% of the crashes another driver was speeding. In 17.6% of the crashes either an older driver, another driver, or both drivers were speeding.

TABLE 3.4.10

OLDER DRIVERS INVOLVED IN 1994 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	211	73.3	7,920	61.1	17,537	62.1	25,668	61.9
FEMALE	77	26.7	5,049	38.9	10,693	37.9	15,819	38.1
UNKNOWN	0	-	1	-	2,609	-	2,610	-
TOTAL	288	100.0	12,970	100.0	30,839	100.0	44,097	100.0

TABLE 3.4.11

OLDER DRIVERS INVOLVED IN 1994 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF OLDER DRIVER ¹	68.4	-	67.0	-	66.9	-	67.0	-
55 - 59 YEARS	62	21.5	3,225	24.9	7,786	25.3	11,073	25.1
60 - 64 YEARS	52	18.1	2,681	20.7	6,339	20.6	9,072	20.6
65 - 69 YEARS	50	17.4	2,362	18.2	5,499	17.8	7,911	17.9
70 - 74 YEARS	36	12.5	1,906	14.7	4,682	15.2	6,624	15.0
75 YEARS AND OVER	88	30.6	2,796	21.6	6,533	21.2	9,417	21.4
TOTAL	288	100.0	12,970	100.0	30,839	100.0	44,097	100.0

¹ Average age is based on only drivers 55 years of age and over.

TABLE 3.4.12

OLDER DRIVERS INVOLVED IN 1994 MISSOURI CRASHES
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	13	0.1	34	0.1	47	0.1
FOR HIRE	6	2.1	342	2.7	788	2.9	1,136	2.9
OPERATOR'S LICENSE	214	75.4	10,398	82.8	22,092	81.8	32,704	82.1
MOTORCYCLE ONLY	1	0.4	3	0.0	10	0.0	14	0.0
COMERCIAL DRIVER'S LICENSE	15	5.3	460	3.7	1,213	4.5	1,688	4.2
SUB-TOTAL	236	83.1	11,216	89.3	24,137	89.4	35,589	89.3
OUT STATE								
LEARNER'S PERMIT	0	0.0	2	0.0	6	0.0	8	0.0
FOR HIRE	1	0.4	13	0.1	23	0.1	37	0.1
OPERATOR'S LICENSE	32	11.3	1,135	9.0	2,325	8.6	3,492	8.8
MOTORCYCLE ONLY	0	0.0	0	0.0	1	0.0	1	0.0
COMMERCIAL DRIVER'S LICENSE	10	3.5	110	0.9	372	1.4	492	1.2
SUB-TOTAL	43	15.1	1,260	10.0	2,727	10.1	4,030	10.1
UNLICENSED	5	1.8	80	0.6	139	0.5	224	0.6
UNKNOWN	4	-	414	-	3,836	-	4,254	-
TOTAL	288	100.0	12,970	100.0	30,839	100.0	44,097	100.0

TABLE 3.4.13

OLDER DRIVERS INVOLVED IN 1994 MISSOURI CRASHES

TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	178	61.8	9,498	73.3	21,719	70.5	31,395	71.3
SPORT UTILITY VEHICLE	8	2.8	255	2.0	661	2.2	924	2.1
VAN/SMALL BUS	17	5.9	711	5.5	1,900	6.2	2,628	6.0
BUS	2	0.7	46	0.4	157	0.5	205	0.5
SCHOOL BUS	0	0.0	59	0.5	176	0.6	235	0.5
MOTORCYCLE	3	1.0	46	0.4	9	0.0	58	0.1
MOPED	0	0.0	0	0.0	5	0.0	5	0.0
MOTORHOME/CAMPER	3	1.0	41	0.3	116	0.4	160	0.4
FARM EQUIPMENT	3	1.0	19	0.2	37	0.1	59	0.1
CONSTRUCTION EQUIPMENT	0	0.0	9	0.1	25	0.1	34	0.1
OTHER TRANSPORT DEVICE	1	0.4	12	0.1	27	0.1	40	0.1
PICK-UP TRUCK	47	16.3	1,887	14.6	4,870	15.8	6,804	15.4
OTHER TRUCKS	26	9.0	379	2.9	1,102	3.6	1,507	3.4
ALL TERRAIN VEHICLE	0	0.0	2	0.0	0	0.0	2	0.0
UNKNOWN	0	-	6	-	35	-	41	-
TOTAL	288	100.0	12,970	100.0	30,839	100.0	44,097	100.0

TABLE 3.4.14

1994 OLDER DRIVER INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	5,048	16.6
2.0	ST. LOUIS	3,733	12.2
3.0	SPRINGFIELD	1,763	5.8
4.0	INDEPENDENCE	1,006	3.3
5.0	ST. JOSEPH	708	2.3
6.0	JOPLIN	666	2.2
7.0	COLUMBIA	597	2.0
8.0	CAPE GIRARDEAU	541	1.8
9.0	JEFFERSON CITY	540	1.8
10.0	ST. CHARLES	520	1.7
11.0	FLORISSANT	373	1.2
12.0	POPLAR BLUFF	339	1.1
13.0	CREVE COEUR	320	1.0
14.0	SEDALIA	279	0.9
15.0	BRIDGETON	271	0.9
16.0	ST. PETERS	270	0.9
17.0	LEE'S SUMMIT	266	0.9
18.0	CHESTERFIELD	264	0.9
19.0	KIRKWOOD	260	0.9
20.0	BRANSON	259	0.8
21.0	BLUE SPRINGS	249	0.8
22.0	RICHMOND HEIGHTS	242	0.8
23.0	RAYTOWN	228	0.7
24.0	MARYLAND HEIGHTS	227	0.7
25.0	HANNIBAL	220	0.7
26.0	UNIVERSITY CITY	205	0.7
27.0	SIKESTON	194	0.6
28.0	LEBANON	189	0.6
29.0	ARNOLD	188	0.6
30.0	CLAYTON	177	0.6
31.0	ROLLA	175	0.6
32.0	LIBERTY	173	0.6
33.0	WEST PLAINS	170	0.6
34.0	HAZELWOOD	165	0.5
35.0	TOWN AND COUNTRY	158	0.5
36.5	FERGUSON	155	0.5
36.5	WEBSTER GROVES	155	0.5
38.0	MOBERLY	151	0.5
39.0	OVERLAND	148	0.5
40.0	BERKELEY	147	0.5
41.0	GLADSTONE	146	0.5
42.0	FARMINGTON	143	0.5
43.0	NEVADA	138	0.5

¹Percentage is based on older driver involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

TABLE 3.4.16

**MISSOURI FATAL AND PERSONAL INJURY OLDER DRIVER INVOLVED CRASHES
ANNUAL TIME SERIES**

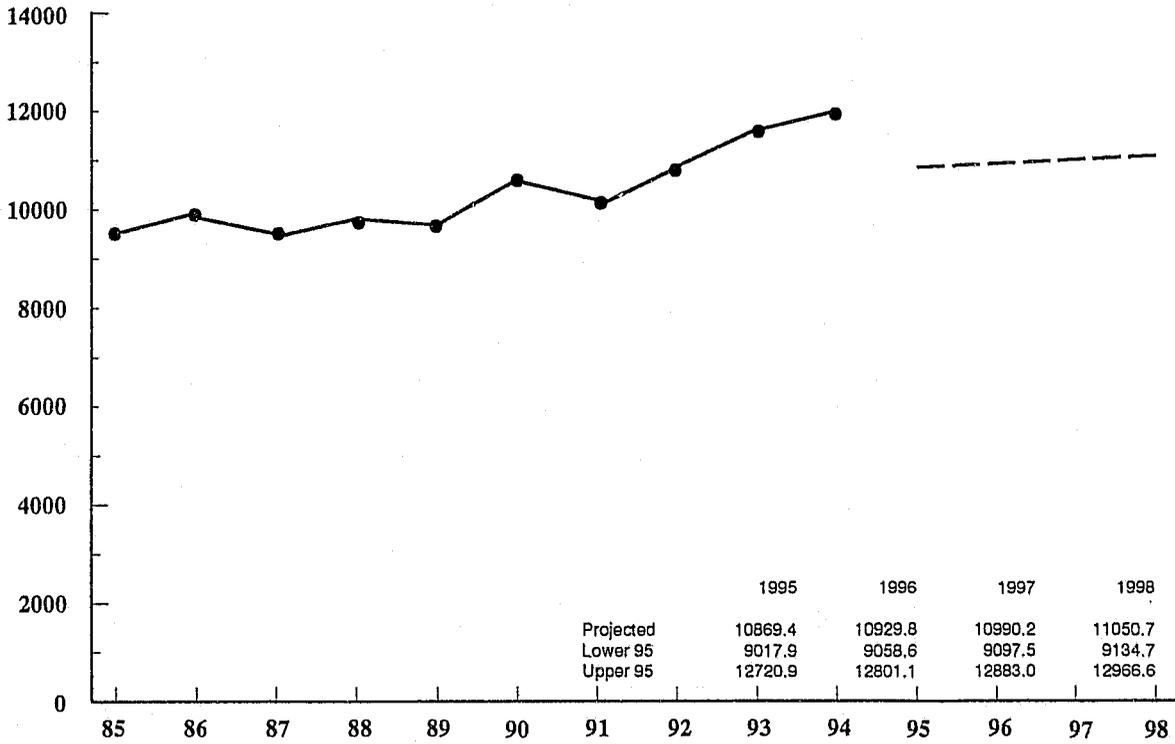


FIGURE 3.4.4

3.5 COMMERCIAL MOTOR VEHICLE INVOLVEMENT

This section presents a series of data displays which identify commercial motor vehicle involvement in Missouri's traffic crash activity. Commercial motor vehicle traffic crashes are defined as any crash in which one or more commercial motor vehicles were directly involved in the incident. Commercial motor vehicles include trucks having 6 or more tires, buses or school buses having occupant capacities of 16 or more, and vehicles displaying hazardous material placards. Data displays also are provided which describe characteristics of the commercial motor vehicle drivers involved in these traffic crashes.

1994 SUMMARY ANALYSIS

- Of all 1994 Missouri traffic crashes, 9.1% involved a commercial motor vehicle. Of all fatal traffic crashes, 16.7% involved a commercial motor vehicle. A total of 188 persons were killed and 6,195 were injured in commercial motor vehicle crashes.
- In 1994, one person was killed or injured in a commercial motor vehicle related crash every 1.4 hours in the State of Missouri.
- Of all 1994 commercial motor vehicle crashes, the first harmful event in 71.2% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 11.8% of the cases, it involved a motor vehicle striking a fixed object.
- Of all 1994 commercial motor vehicle involved crashes, 53.4% occurred in an urban area of the State and 46.6% occurred in a rural area. However, in those cases where commercial motor vehicles were involved in fatal crashes 82.3% occurred in rural area.
- Of all commercial motor vehicles involved in 1994 traffic crashes, 37.1% were non-placarded two-unit trucks, 30.9% were non-placarded single unit trucks, and 12.3% were non-placarded pick-up trucks.
- Of all commercial motor vehicle drivers involved in 1994 traffic crashes, 89.9% were male and 10.1% were female. The average age of commercial motor vehicle drivers was 39.9 years.
- Of all commercial motor vehicle drivers involved in these crashes, 70.7% had a Missouri driver's license, 28.8% had an out-of-state driver's license, and 0.6% were unlicensed at the time of the traffic crash.

1994 MISSOURI TRAFFIC CRASHES
COMMERCIAL MOTOR VEHICLE INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹		COMM. MOTOR VEH. DRIVERS/PASSENGERS ²	
									KILLED	INJURED	KILLED	INJURED
COMMERCIAL MOTOR VEHICLE INVOLVED	153	16.7	3,531	7.4	10,919	9.8	14,603	9.1	188	6,195	34	2,910
NO COMMERCIAL MOTOR VEHICLE INVOLVED	764	83.3	44,101	92.6	101,069	90.2	145,934	90.9	870	69,781	-	-
UNKNOWN ³	30	-	3,399	-	16,406	-	19,835	-	31	5,051	-	-
TOTAL	947	100.0	51,031	100.0	128,394	100.0	180,372	100.0	1,089	81,027	34	2,910

¹This statistic indicates the total number of persons killed and injured in a crash where one or more commercial motor vehicles were involved.

²This statistic indicates the number of commercial motor vehicle drivers and passengers killed and injured.

³Crashes were classified as unknown if the following conditions exist: none of the vehicles involved in the crash was a commercial motor vehicle and the body type of one or more vehicles involved in the crash was not known.

TABLE 3.5.1

1993 and 1994 COMMERCIAL MOTOR VEHICLE INVOLVED CRASH ANALYSIS

	1993	1994	RATE OF CHANGE
FATAL	130	153	+ 17.7
PERSONAL INJURY	3,412	3,531	+ 3.5
PROPERTY DAMAGE	10,880	10,919	+ 0.4
TOTAL	14,422	14,603	+ 1.3

TABLE 3.5.2

1994 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	10	0.3	178	1.6	188	1.3
BICYCLIST	0	0.0	8	0.2	0	0.0	8	0.1
FIXED OBJECT	14	9.2	308	8.7	1,396	12.8	1,718	11.8
OTHER OBJECT	0	0.0	21	0.6	95	0.9	116	0.8
PEDESTRIAN	12	7.8	40	1.1	3	0.0	55	0.4
TRAIN	2	1.3	8	0.2	7	0.1	17	0.1
VEHICLE IN TRANSPORT	112	73.2	2,681	75.9	7,600	69.6	10,393	71.2
VEHICLE ON OTHER ROADWAY	3	2.0	22	0.6	44	0.4	69	0.5
PARKED VEHICLE	4	2.6	95	2.7	950	8.7	1,049	7.2
NON-COLLISION OVERTURN	6	3.9	285	8.1	330	3.0	621	4.3
NON-COLLISION OTHER	0	0.0	53	1.5	316	2.9	369	2.5
TOTAL	153	100.0	3,531	100.0	10,919	100.0	14,603	100.0

TABLE 3.5.3

1994 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	27	17.7	1,761	49.9	6,016	55.1	7,804	53.4
RURAL	126	82.3	1,770	50.1	4,903	44.9	6,799	46.6
TOTAL	153	100.0	3,531	100.0	10,919	100.0	14,603	100.0

TABLE 3.5.4

1994 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	115	75.7	2,936	83.6	8,796	86.9	11,847	85.9
CURVE	37	24.3	576	16.4	1,332	13.1	1,945	14.1
UNKNOWN	1	-	19	-	791	-	811	-
TOTAL	153	100.0	3,531	100.0	10,919	100.0	14,603	100.0

TABLE 3.5.5

1994 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	81	53.3	2,258	64.5	7,138	70.7	9,477	68.9
HILL	64	42.1	1,160	33.1	2,823	28.0	4,047	29.4
CREST	7	4.6	85	2.4	138	1.4	230	1.7
UNKNOWN	1	-	28	-	820	-	849	-
TOTAL	153	100.0	3,531	100.0	10,919	100.0	14,603	100.0

TABLE 3.5.6

1994 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	120	79.0	2,661	75.6	8,564	78.7	11,345	78.0
WET	28	18.4	697	19.8	1,751	16.1	2,476	17.0
SNOW	1	0.7	54	1.5	194	1.8	249	1.7
ICE	3	2.0	103	2.9	358	3.3	464	3.2
MUD	0	0.0	3	0.1	10	0.1	13	0.1
UNKNOWN	1	-	13	-	42	-	56	-
TOTAL	153	100.0	3,531	100.0	10,919	100.0	14,603	100.0

TABLE 3.5.7

1994 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	36	23.5	887	25.1	2,336	21.4	3,259	22.3
U.S. HIGHWAY	44	28.8	588	16.7	1,526	14.0	2,158	14.8
STATE NUMBERED	41	26.8	593	16.8	1,572	14.4	2,206	15.1
SINGLE STATE LETTERED	11	7.2	242	6.9	543	5.0	796	5.5
DOUBLE STATE LETTERED	0	0.0	82	2.3	180	1.7	262	1.8
OUTER ROAD	1	0.7	23	0.7	110	1.0	134	0.9
COUNTY ROAD	5	3.3	203	5.8	704	6.5	912	6.3
CITY STREET	11	7.2	815	23.1	3,599	33.0	4,425	30.3
INTERSTATE LOOP	0	0.0	32	0.9	58	0.5	90	0.6
OTHER ¹	4	2.6	66	1.9	291	2.7	361	2.5
TOTAL	153	100.0	3,531	100.0	10,919	100.0	14,603	100.0

¹ "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.5.8

1994 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

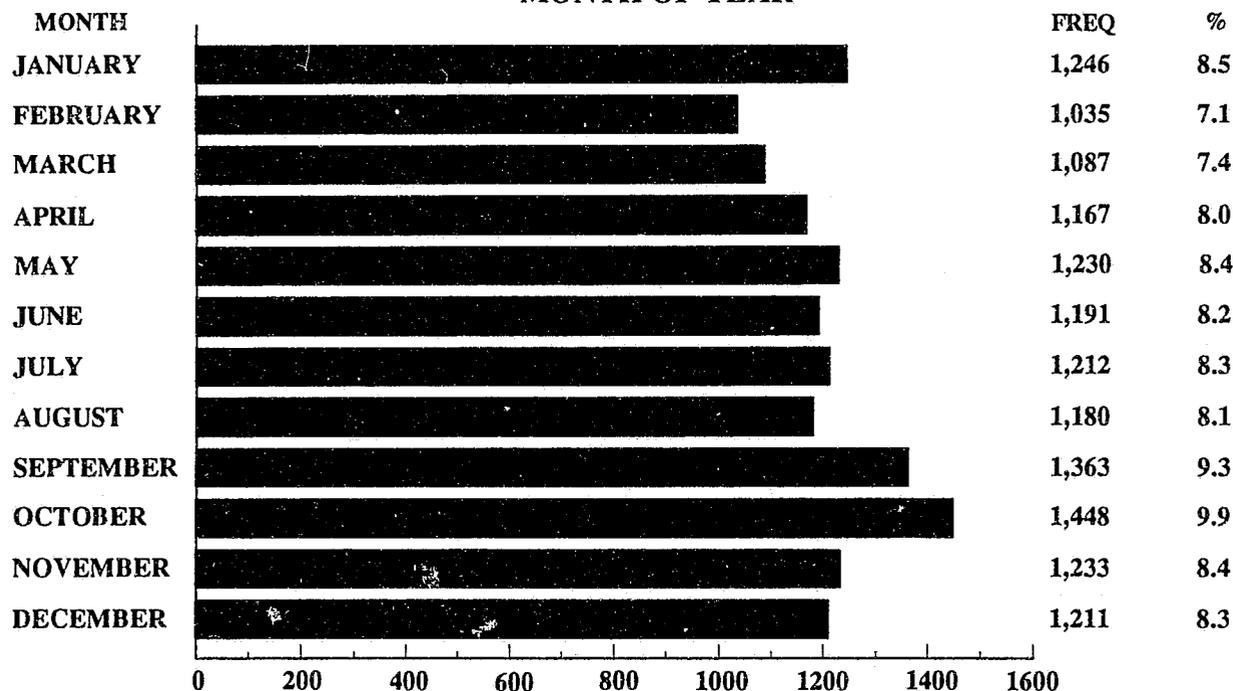
	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	9	33.3	442	25.1	1,090	18.1	1,541	19.8	27	21.4	445	25.1	1,246	25.4	1,718	25.3
U.S. HIGHWAY	3	11.1	207	11.8	554	9.2	764	9.8	41	32.5	381	21.5	972	19.8	1,394	20.5
STATE NUMBERED	3	11.1	168	9.5	498	8.3	669	8.6	38	30.2	425	24.0	1,074	21.9	1,537	22.6
SINGLE STATE LETTERED	0	0.0	42	2.4	111	1.9	153	2.0	11	8.7	200	11.3	432	8.8	643	9.5
DOUBLE STATE LETTERED	0	0.0	14	0.8	27	0.5	41	0.5	0	0.0	68	3.8	153	3.1	221	3.3
OUTER ROAD	1	3.7	10	0.6	49	0.8	60	0.8	0	0.0	13	0.7	61	1.2	74	1.1
COUNTY ROAD	0	0.0	46	2.6	165	2.7	211	2.7	5	4.0	157	8.9	539	11.0	701	10.3
CITY STREET	11	40.7	764	43.4	3,312	55.1	4,087	52.4	0	0.0	51	2.9	287	5.9	338	5.0
INTERSTATE LOOP	0	0.0	29	1.7	52	0.9	81	1.0	0	0.0	3	0.2	6	0.1	9	0.1
OTHER ¹	0	0.0	39	2.2	158	2.6	197	2.5	4	3.2	27	1.5	133	2.7	164	2.4
TOTAL	27	100.0	1,761	100.0	6,016	100.0	7,804	100.0	126	100.0	1,770	100.0	4,903	100.0	6,799	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.5.9

98

**1994 MISSOURI COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES
MONTH OF YEAR**

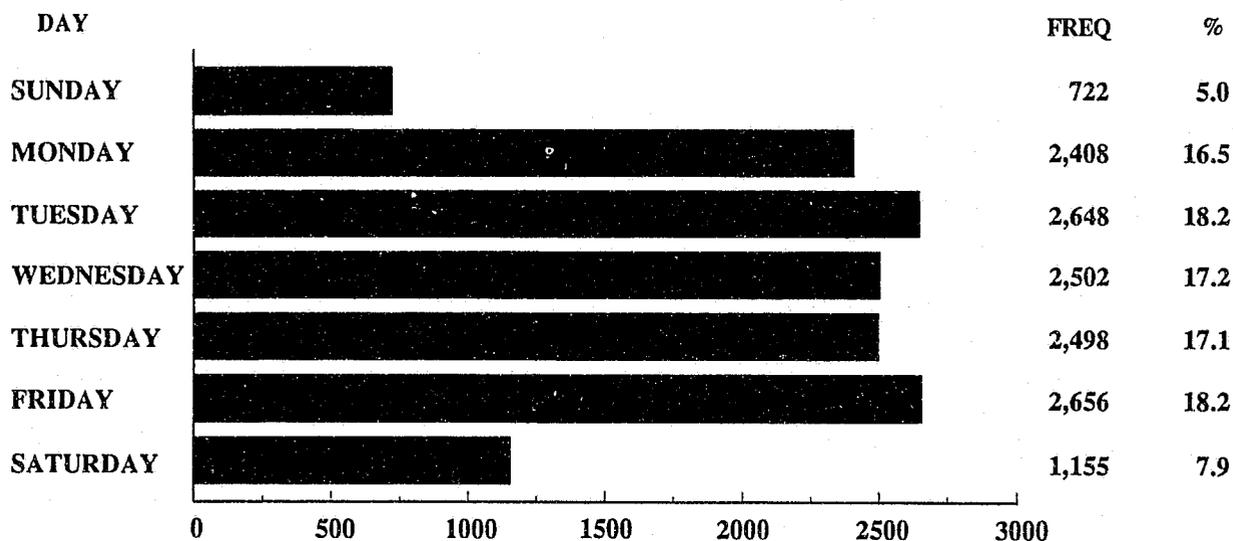


FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.5.1

**1994 MISSOURI COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES
DAY OF WEEK**

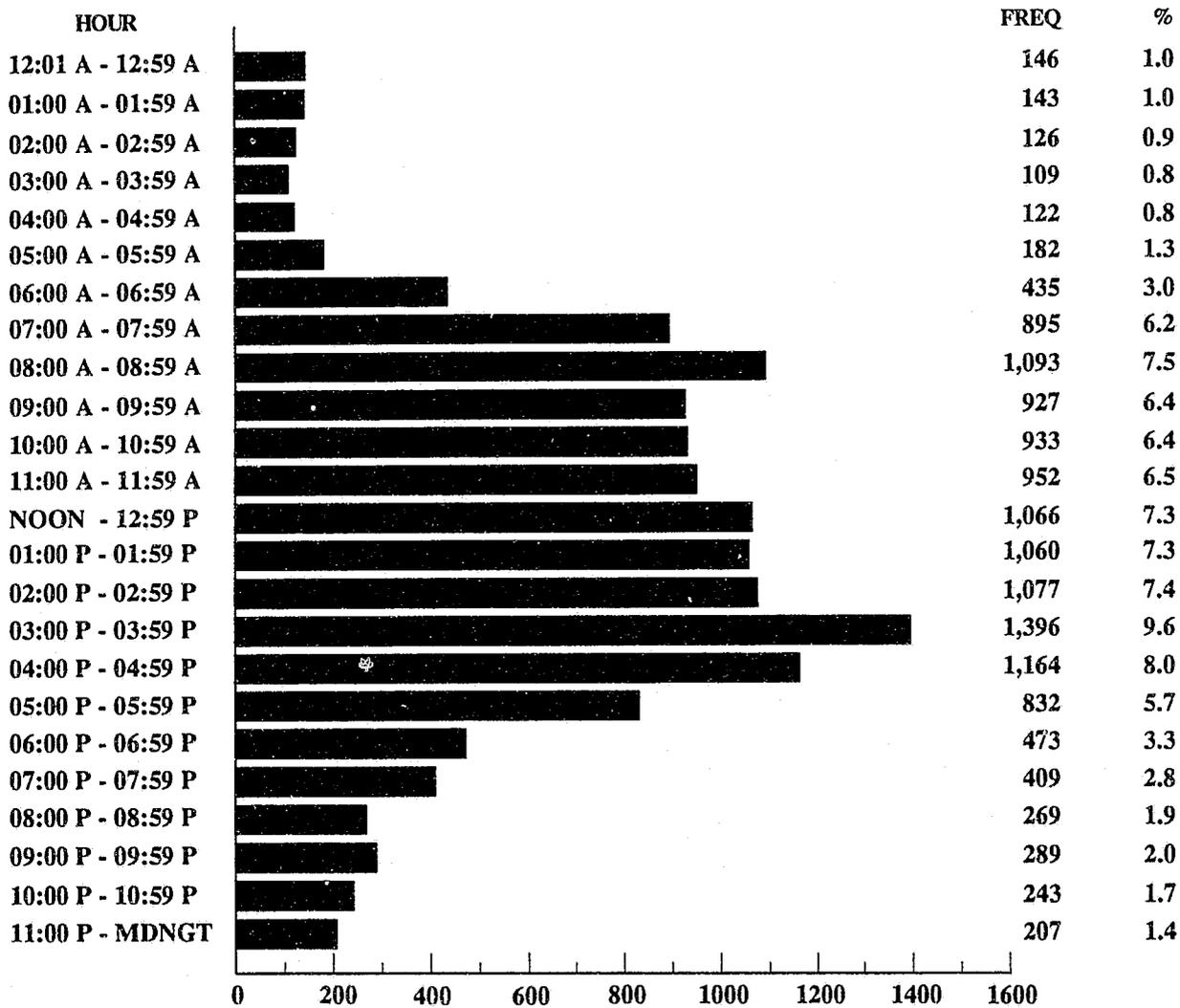


FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.5.2

1994 MISSOURI COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES HOUR OF DAY



FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.5.3

1994 MISSOURI COMMERCIAL MOTOR VEHICLE CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL COMMERCIAL MOTOR VEHICLE CRASHES = 153				TOTAL COMMERCIAL MOTOR VEHICLE CRASHES = 14,603		
	COMM. M. V. DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	COMM. M. V. DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
EXCEEDING SPEED LIMIT/ TOO FAST FOR CONDITIONS	12.4	13.7	24.8	7.2	5.5	12.4
IMPROPER PASSING	0.7	1.3	2.0	1.0	2.0	3.0
VIOLATION OF STOP SIGN	3.3	5.2	8.5	1.3	1.7	2.9
WRONG SIDE NOT PASSING	5.2	16.3	20.9	1.5	1.6	3.1
FOLLOWING TOO CLOSE	2.6	1.3	3.3	4.6	3.2	7.6
IMPROPER SIGNAL	0.0	0.7	0.7	0.3	0.2	0.5
IMPROPER BACKING	0.0	0.0	0.0	3.0	0.4	3.3
IMPROPER TURN	2.6	3.3	5.9	3.8	1.2	5.0
IMPROPER LANE USAGE/CHANGE	0.7	3.9	4.6	3.9	2.9	6.6
WRONG WAY ONE-WAY STREET	0.7	3.9	3.9	0.0	0.2	0.2
IMPROPER START FROM PARK	0.0	0.0	0.0	0.2	0.1	0.2
IMPROPERLY PARKED	1.3	0.7	2.0	0.7	0.8	1.5
VEHICLE DEFECTS	5.2	1.3	6.5	6.6	1.1	7.7
FAILED TO YIELD	3.3	20.9	24.2	5.3	5.8	11.0
DRINKING	2.6	10.5	13.1	0.7	1.5	2.2
DRUGS	0.0	0.7	0.7	0.0	0.1	0.1
PHYSICAL IMPAIRMENT	2.0	2.0	3.9	0.5	0.4	1.0
INATTENTION	21.6	32.7	51.0	37.3	23.8	56.0

¹This table identifies the percentage of commercial motor vehicle crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the commercial motor vehicle driver or his vehicle as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 1994 Missouri fatal commercial motor vehicle crashes, it was found that a commercial motor vehicle driver was speeding in 12.4% of the crashes. In 13.7% of the crashes another driver was speeding. In 24.8% of the crashes either a commercial motor vehicle driver, another driver, or both drivers were speeding.

TABLE 3.5.10

COMMERCIAL MOTOR VEHICLES INVOLVED IN 1994 MISSOURI CRASHES

TYPE OF COMMERCIAL MOTOR VEHICLE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
PLACARDED								
AUTOMOBILE	0	0.0	0	0.0	1	0.0	1	0.0
OTHER TRANSPORT DEVICE	1	0.6	2	0.1	0	0.0	3	0.0
PICK-UP TRUCK	0	0.0	1	0.0	4	0.0	5	0.0
SINGLE UNIT TRUCK	4	2.5	27	0.7	25	0.2	56	0.4
TWO-UNIT TRUCK	6	3.7	51	1.4	63	0.5	120	0.8
MULTI-UNIT TRUCK	0	0.0	6	0.2	8	0.1	14	0.1
NON-PLACARDED TRUCKS HAVING 6 OR MORE TIRES								
PICK-UP TRUCK	19	11.7	485	12.9	1,407	12.2	1,911	12.3
SINGLE UNIT TRUCK	46	28.4	1,231	32.7	3,508	30.3	4,785	30.9
TWO-UNIT TRUCK	78	48.1	1,311	34.9	4,355	37.7	5,744	37.1
MULTI-UNIT TRUCK	2	1.2	46	1.2	186	1.6	234	1.5
NON-PLACARDED BUS - 16 OR MORE SEATING CAPACITY								
BUS	5	3.1	349	9.3	1,038	9.0	1,392	9.0
SCHOOL BUS - 16 OR MORE SEATING CAPACITY	1	0.6	252	6.7	967	8.4	1,220	7.9
TOTAL	162	100.0	3,761	100.0	11,562	100.0	15,485	100.0

TABLE 3.5.11

COMMERCIAL MOTOR VEHICLES INVOLVED IN 1994 MISSOURI CRASHES

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	6	3.7	97	2.6	330	2.9	433	2.8
KNOWN DRIVER INVOLVED	156	96.3	3,618	96.2	10,719	92.7	14,493	93.6
UNKNOWN DRIVER INVOLVED	0	0.0	46	1.2	513	4.4	559	3.6
TOTAL	162	100.0	3,761	100.0	11,562	100.0	15,485	100.0

TABLE 3.5.12

DRIVERS OF COMMERCIAL MOTOR VEHICLES INVOLVED IN 1994 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	149	95.5	3,281	90.7	9,092	89.6	12,522	89.9
FEMALE	7	4.5	337	9.3	1,056	10.4	1,400	10.1
UNKNOWN	0	-	46	-	1,084	-	1,130	-
TOTAL	156	100.0	3,664	100.0	11,232	100.0	15,052	100.0

TABLE 3.5.13

DRIVERS OF COMMERCIAL MOTOR VEHICLES INVOLVED IN 1994 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	41.9	-	39.9	-	39.9	-	39.9	-
15 YEARS AND UNDER	0	0.0	1	0.0	3	0.0	4	0.0
16 - 20 YEARS	4	2.6	71	2.0	195	1.8	270	1.9
21 - 25 YEARS	6	3.9	358	9.9	989	9.3	1,353	9.4
26 - 30 YEARS	19	12.2	503	14.0	1,474	13.9	1,996	13.9
31 - 35 YEARS	19	12.2	565	15.7	1,711	16.2	2,295	16.0
36 - 40 YEARS	32	20.5	502	13.9	1,559	14.7	2,093	14.6
41 - 45 YEARS	23	14.7	462	12.8	1,340	12.7	1,825	12.7
46 - 50 YEARS	16	10.3	397	11.0	1,161	11.0	1,574	11.0
51 - 55 YEARS	9	5.8	303	8.4	893	8.4	1,205	8.4
56 - 60 YEARS	18	11.5	200	5.6	651	6.2	869	6.1
61 - 65 YEARS	5	3.2	139	3.9	358	3.4	502	3.5
66 YEARS AND OVER	5	3.2	99	2.8	256	2.4	360	2.5
UNKNOWN	0	-	64	-	642	-	706	-
TOTAL	156	100.0	3,664	100.0	11,232	100.0	15,052	100.0

TABLE 3.5.14

**DRIVERS OF COMMERCIAL MOTOR VEHICLES INVOLVED IN 1994 MISSOURI CRASHES
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	1	0.7	5	0.1	8	0.1	14	0.1
FOR HIRE	8	5.2	210	6.0	501	5.2	719	5.4
OPERATOR'S LICENSE	27	17.7	538	15.4	1,592	16.4	2,157	16.1
MOTORCYCLE ONLY	0	0.0	0	0.0	3	0.0	3	0.0
COMMERCIAL DRIVER'S LICENSE	64	41.8	1,735	49.5	4,755	49.0	6,554	49.0
SUB-TOTAL	100	65.4	2,488	71.0	6,859	70.6	9,447	70.7
OUT STATE								
LEARNER'S PERMIT	0	0.0	2	0.1	3	0.0	5	0.0
FOR HIRE	0	0.0	24	0.7	74	0.8	98	0.7
OPERATOR'S LICENSE	6	3.9	134	3.8	440	4.5	580	4.3
MOTORCYCLE ONLY	0	0.0	0	0.0	3	0.0	3	0.0
COMMERCIAL DRIVER'S LICENSE	45	29.4	828	23.6	2,289	23.6	3,162	23.7
SUB-TOTAL	51	33.3	988	28.2	2,809	28.9	3,848	28.8
UNLICENSED	2	1.3	27	0.8	44	0.5	73	0.6
UNKNOWN	3	-	161	-	1,520	-	1,684	-
TOTAL	156	100.0	3,664	100.0	11,232	100.0	15,052	100.0

TABLE 3.5.15

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
34.0	NEW MADRID	85	0.6	74.0	WASHINGTON	33	0.2
35.5	COOPER	79	0.5	76.5	CLARK	32	0.2
35.5	JOHNSON	79	0.5	76.5	ST. CLAIR	32	0.2
37.0	PETTIS	75	0.5	78.5	BATES	31	0.2
38.0	VERNON	74	0.5	78.5	CARTER	31	0.2
39.0	WARREN	73	0.5	80.0	MADISON	29	0.2
40.0	HENRY	72	0.5	81.0	MORGAN	28	0.2
41.0	WEBSTER	70	0.5	82.0	BARTON	27	0.2
42.0	STONE	67	0.5	83.5	ATCHISON	26	0.2
43.0	AUDRAIN	65	0.4	83.5	CARROLL	26	0.2
44.5	POLK	64	0.4	86.0	CALDWELL	25	0.2
44.5	RANDOLPH	64	0.4	86.0	DAVISS	25	0.2
46.5	DALLAS	63	0.4	86.0	MARIES	25	0.2
46.5	MONTGOMERY	63	0.4				
48.0	DUNKLIN	59	0.4				Third Quartile
49.0	PULASKI	58	0.4				
50.5	MCDONALD	56	0.4	88.5	CHARITON	23	0.2
50.5	STODDARD	56	0.4	88.5	RIPLEY	23	0.2
52.0	LINCOLN	54	0.4	90.5	DE KALB	22	0.2
53.0	TEXAS	52	0.4	90.5	IRON	22	0.2
54.0	PIKE	51	0.3	93.5	BOLLINGER	21	0.1
55.0	PERRY	49	0.3	93.5	HARRISON	21	0.1
57.0	BENTON	47	0.3	93.5	OSAGE	21	0.1
57.0	MACON	47	0.3	93.5	SULLIVAN	21	0.1
57.0	MILLER	47	0.3	96.5	MONROE	20	0.1
			Second Quartile	96.5	OREGON	20	0.1
				98.0	GRUNDY	19	0.1
			Third Quartile	99.0	MONITEAU	18	0.1
59.5	LINN	43	0.3	101.5	CEDAR	17	0.1
59.5	RALLS	43	0.3	101.5	HICKORY	17	0.1
62.5	DENT	41	0.3	101.5	REYNOLDS	17	0.1
62.5	LIVINGSTON	41	0.3	101.5	SHANNON	17	0.1
62.5	NODAWAY	41	0.3	105.0	DOUGLAS	16	0.1
62.5	WRIGHT	41	0.3	105.0	OZARK	16	0.1
65.5	MISSISSIPPI	40	0.3	105.0	PUTNAM	16	0.1
65.5	STE. GENEVIEVE	40	0.3	107.0	HOWARD	15	0.1
67.0	WAYNE	39	0.3	108.5	DADE	12	0.1
68.0	CLINTON	38	0.3	108.5	KNOX	12	0.1
70.0	GASCONADE	37	0.3	110.0	SCOTLAND	11	0.1
70.0	HOLT	37	0.3	111.0	GENTRY	10	0.1
70.0	RAY	37	0.3	112.5	MERCER	9	0.1
72.0	LEWIS	36	0.2	112.5	SHELBY	9	0.1
74.0	ADAIR	33	0.2	114.0	SCHUYLER	7	0.0
74.0	ANDREW	33	0.2	115.0	WORTH	3	0.0

TABLE 3.5.16

1994 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	ST. LOUIS	1,854	20.9
2.0	KANSAS CITY	1,630	18.3
3.0	SPRINGFIELD	472	5.3
4.0	COLUMBIA	185	2.1
5.0	INDEPENDENCE	176	2.0
6.0	ST. JOSEPH	163	1.8
7.0	JEFFERSON CITY	140	1.6
8.0	ST. CHARLES	137	1.5
9.0	BRIDGETON	136	1.5
10.0	JOPLIN	135	1.5
11.0	CAPE GIRARDEAU	103	1.2
12.0	MARYLAND HEIGHTS	102	1.1
13.0	NORTH KANSAS CITY	96	1.1
14.0	LEE'S SUMMIT	84	0.9
15.0	KIRKWOOD	83	0.9
16.0	RICHMOND HEIGHTS	80	0.9
18.0	BLUE SPRINGS	78	0.9
18.0	O'FALLON	78	0.9
18.0	ST. PETERS	78	0.9
20.0	BERKELEY	75	0.8
21.5	HAZELWOOD	73	0.8
21.5	OVERLAND	73	0.8
23.0	CHESTERFIELD	72	0.8
24.0	FENTON	69	0.8
25.0	FLORISSANT	62	0.7
26.0	BRANSON	61	0.7
27.0	HANNIBAL	57	0.6
28.0	UNIVERSITY CITY	56	0.6
29.0	POPLAR BLUFF	55	0.6
30.0	CREVE COEUR	54	0.6
31.5	CLAYTON	49	0.6
31.5	SEDALIA	49	0.6
33.0	SUNSET HILLS	48	0.5
34.0	LIBERTY	44	0.5
35.0	WEST PLAINS	41	0.5
36.0	ROLLA	40	0.5

¹Percentage is based on commercial motor vehicle involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

TABLE 3.5.17

3.6 MOTORCYCLE INVOLVEMENT

This section presents a series of data displays which describe motorcycle involvement in Missouri's traffic crash experience. Motorcycle traffic crashes are defined as any crash in which one or more motorcycles were involved in the incident. Mopeds and all terrain vehicles (ATV's) are not considered motorcycles for the purpose of this analysis. Data displays also are provided in this section which identify characteristics of motorcycle drivers involved in traffic crashes.

1994 SUMMARY ANALYSIS

- Of all 1994 Missouri traffic crashes, 0.8% involved a motorcycle. Of all fatal traffic crashes, 4.0% involved a motorcycle. A total of 42 persons were killed and 1,275 were injured in motorcycle crashes.
- In 1994, one person was killed or injured in a motorcycle traffic crash every 6.7 hours in the State of Missouri.
- Of all 1994 motorcycle crashes, the first harmful event in 50.0% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 25.4% of the cases, it involved a motor vehicle overturning. In fatal motorcycle traffic crashes, 23.7% of the cases involved a motor vehicle striking a fixed object.
- Of all 1994 motorcycle traffic crashes, 55.9% occurred in urban regions of the State and 44.1% occurred in rural areas. However, when examining fatal motorcycle traffic crashes, 57.9% occurred in rural areas.
- Of all motorcycle drivers involved in traffic crashes, 96.1% were male and 3.9% were female. The average age of motorcyclists was 31.7 years.
- Motorcycle drivers were speeding in 57.9% of all fatal motorcycle involved traffic crashes and their drinking was a causative factor in 18.4% of these crashes.
- Of those motorcyclists involved in 1994 traffic crashes who wore a helmet, 27.5% were either killed or received a major disabling injury. Of those not wearing helmets, 34.4% were either killed or received a major disabling injury.

1994 MISSOURI TRAFFIC CRASHES

MOTORCYCLE INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹		MOTORCYCLE DRIVERS/PASSENGERS ²	
									KILLED	INJURED	KILLED	INJURED
MOTORCYCLE INVOLVED	38	4.0	1,028	2.0	279	0.2	1,345	0.8	42	1,275	41	1,172
NO MOTORCYCLE INVOLVED	903	96.0	49,798	98.0	123,480	99.8	174,181	99.2	1,041	79,469	-	-
UNKNOWN ³	6	-	205	-	4,635	-	4,846	-	6	283	-	-
TOTAL	947	100.0	51,031	100.0	128,394	100.0	180,372	100.0	1,089	81,027	41	1,172

¹This statistic indicates the total number of persons killed and injured in a crash where one or more motorcycles were involved.

²This statistic indicates the number of motorcycle drivers and passengers killed and injured.

³Crashes were classified as unknown if the following conditions exist: none of the vehicles involved in the crash was a motorcycle and the body type of one or more vehicles involved in the crash was not known.

TABLE 3.6.1

1993 and 1994 MOTORCYCLE INVOLVED CRASH ANALYSIS

	1993	1994	RATE OF CHANGE
FATAL	28	38	+ 35.7
PERSONAL INJURY	985	1,028	+ 4.4
PROPERTY DAMAGE	249	279	+ 12.0
TOTAL	1,262	1,345	+ 6.6

TABLE 3.6.2

1994 MOTORCYCLE INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	37	3.6	11	3.9	48	3.6
BICYCLIST	0	0.0	7	0.7	0	0.0	7	0.5
FIXED OBJECT	9	23.7	149	14.5	15	5.4	173	12.9
OTHER OBJECT	0	0.0	9	0.9	0	0.0	9	0.7
PEDESTRIAN	0	0.0	4	0.4	0	0.0	4	0.3
TRAIN	0	0.0	0	0.0	0	0.0	0	0.0
VEHICLE IN TRANSPORT	24	63.2	473	46.0	176	63.1	673	50.0
VEHICLE ON OTHER ROADWAY	0	0.0	2	0.2	0	0.0	2	0.2
PARKED VEHICLE	0	0.0	19	1.9	37	13.3	56	4.2
NON-COLLISION OVERTURN	5	13.2	296	28.8	40	14.3	341	25.4
NON-COLLISION OTHER	0	0.0	32	3.1	0	0.0	32	2.4
TOTAL	38	100.0	1,028	100.0	279	100.0	1,345	100.0

TABLE 3.6.3

**1994 MOTORCYCLE INVOLVED CRASHES
AREA CLASSIFICATION BY CRASH SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	16	42.1	552	53.7	184	66.0	752	55.9
RURAL	22	57.9	476	46.3	95	34.0	593	44.1
TOTAL	38	100.0	1,028	100.0	279	100.0	1,345	100.0

TABLE 3.6.4

**1994 MOTORCYCLE INVOLVED CRASHES
ROAD CURVATURE BY CRASH SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	25	65.8	740	73.0	210	86.4	975	75.3
CURVE	13	34.2	274	27.0	33	13.6	320	24.7
UNKNOWN	0	-	14	-	36	-	50	-
TOTAL	38	100.0	1,028	100.0	279	100.0	1,345	100.0

TABLE 3.6.5

**1994 MOTORCYCLE INVOLVED CRASHES
ROAD INCLINE BY CRASH SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	15	39.5	658	65.1	170	70.3	843	65.3
HILL	22	57.9	329	32.5	64	26.5	415	32.2
CREST	1	2.6	24	2.4	8	3.3	33	2.6
UNKNOWN	0	-	17	-	37	-	54	-
TOTAL	38	100.0	1,028	100.0	279	100.0	1,345	100.0

TABLE 3.6.6

1994 MOTORCYCLE INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	35	92.1	967	94.8	254	92.7	1,256	94.3
WET	3	7.9	50	4.9	20	7.3	73	5.5
SNOW	0	0.0	0	0.0	0	0.0	0	0.0
ICE	0	0.0	0	0.0	0	0.0	0	0.0
MUD	0	0.0	3	0.3	0	0.0	3	0.3
UNKNOWN	0	-	8	-	5	-	13	-
TOTAL	38	100.0	1,028	100.0	279	100.0	1,345	100.0

TABLE 3.6.7

1994 MOTORCYCLE INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	3	7.9	88	8.6	16	5.7	107	8.0
U.S. HIGHWAY	6	15.8	103	10.0	24	8.6	133	9.9
STATE NUMBERED	8	21.1	183	17.8	40	14.3	231	17.2
SINGLE STATE LETTERED	3	7.9	89	8.7	15	5.4	107	8.0
DOUBLE STATE LETTERED	0	0.0	44	4.3	5	1.8	49	3.6
OUTER ROAD	0	0.0	8	0.8	4	1.4	12	0.9
COUNTY ROAD	7	18.4	117	11.4	25	9.0	149	11.1
CITY STREET	10	26.3	350	34.1	131	47.0	491	36.5
INTERSTATE LOOP	0	0.0	18	1.8	3	1.1	21	1.6
OTHER ¹	1	2.6	28	2.7	16	5.7	45	3.4
TOTAL	38	100.0	1,028	100.0	279	100.0	1,345	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.6.8

1994 MOTORCYCLE INVOLVED CRASHES

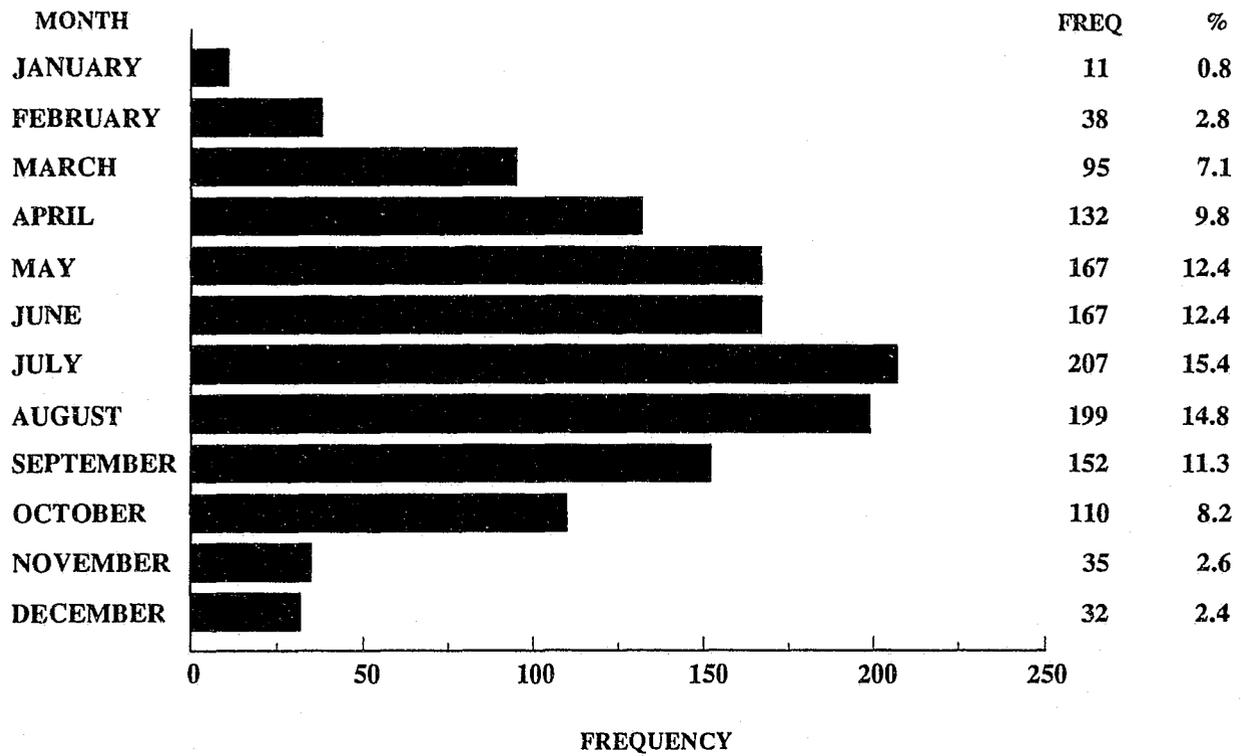
HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	2	12.5	51	9.2	10	5.4	63	8.4	1	4.6	37	7.8	6	6.3	44	7.4
U.S. HIGHWAY	1	6.3	51	9.2	12	6.5	64	8.5	5	22.7	52	10.9	12	12.6	69	11.6
STATE NUMBERED	2	12.5	63	11.4	14	7.6	79	10.5	6	27.3	120	25.2	26	27.4	152	25.6
SINGLE STATE LETTERED	0	0.0	8	1.5	4	2.2	12	1.6	3	13.6	81	17.0	11	11.6	95	16.0
DOUBLE STATE LETTERED	0	0.0	9	1.6	2	1.1	11	1.5	0	0.0	35	7.4	3	3.2	38	6.4
OUTER ROAD	0	0.0	4	0.7	4	2.2	8	1.1	0	0.0	4	0.8	0	0.0	4	0.7
COUNTY ROAD	1	6.3	15	2.7	1	0.5	17	2.3	6	27.3	102	21.4	24	25.3	132	22.3
CITY STREET	10	62.5	323	58.5	121	65.8	454	60.4	0	0.0	27	5.7	10	10.5	37	6.2
INTERSTATE LOOP	0	0.0	16	2.9	3	1.6	19	2.5	0	0.0	2	0.4	0	0.0	2	0.3
OTHER ¹	0	0.0	12	2.2	13	7.1	25	3.3	1	4.6	16	3.4	3	3.2	20	3.4
TOTAL	16	100.0	552	100.0	184	100.0	752	100.0	22	100.0	476	100.0	95	100.0	593	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.6.9

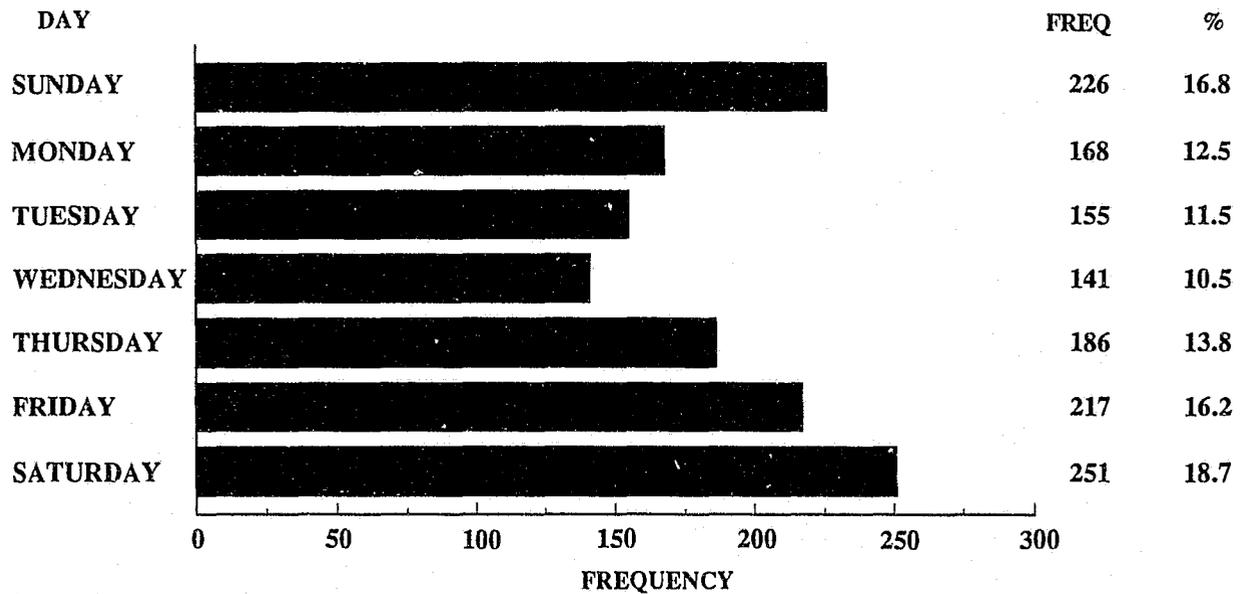
**1994 MISSOURI MOTORCYCLE INVOLVED CRASHES
MONTH OF YEAR**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.6.1

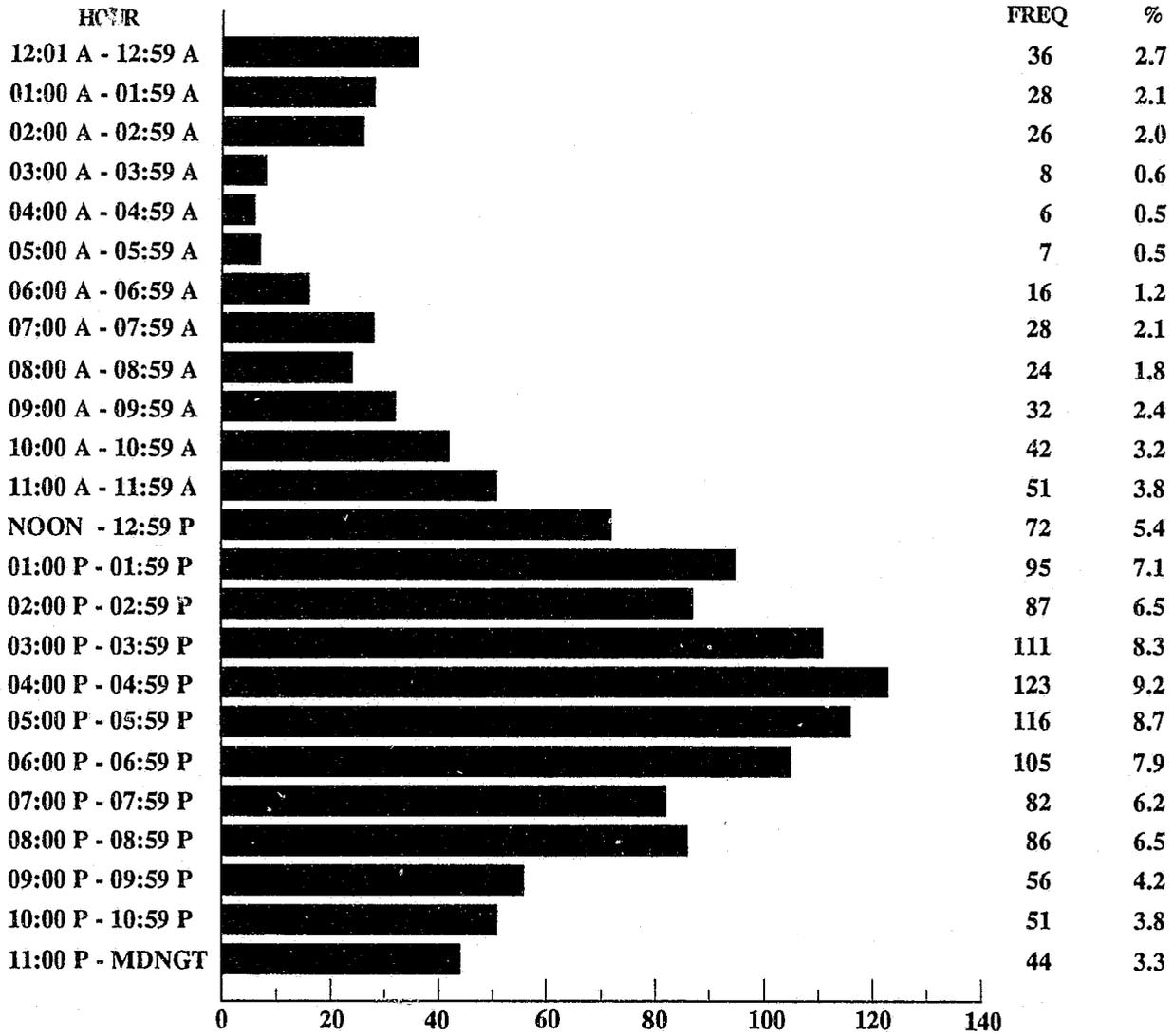
**1994 MISSOURI MOTORCYCLE INVOLVED CRASHES
DAY OF WEEK**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.6.2

**1994 MISSOURI MOTORCYCLE INVOLVED CRASHES
HOUR OF DAY**



FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.6.3

1994 MISSOURI MOTORCYCLE CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL MOTORCYCLE CRASHES = 38				TOTAL MOTORCYCLE CRASHES = 1,345		
	MOTORCYCLE DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	MOTORCYCLE DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
EXCEEDING SPEED LIMIT/ TOO FAST FOR CONDITIONS	57.9	2.6	60.5	24.2	1.0	25.1
IMPROPER PASSING	2.6	2.6	5.3	2.6	0.4	3.0
VIOLATION OF STOP SIGN	2.6	0.0	2.6	1.4	1.2	2.6
WRONG SIDE NOT PASSING	5.3	10.5	15.8	1.8	0.7	2.5
FOLLOWING TOO CLOSE	2.6	0.0	2.6	4.0	2.2	6.2
IMPROPER SIGNAL	0.0	0.0	0.0	0.2	0.1	0.4
IMPROPER BACKING	0.0	0.0	0.0	0.1	1.0	1.0
IMPROPER TURN	0.0	2.6	2.6	1.3	2.2	3.5
IMPROPER LANE USAGE/CHANGE	5.3	0.0	5.3	2.5	1.5	3.9
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	0.4	0.1	0.6
IMPROPER START FROM PARK	0.0	0.0	0.0	0.4	0.1	0.5
IMPROPERLY PARKED	0.0	0.0	0.0	0.1	0.0	0.1
VEHICLE DEFECTS	2.6	0.0	2.6	4.0	0.6	4.6
FAILED TO YIELD	2.6	13.2	15.8	4.2	14.9	18.9
DRINKING	18.4	2.6	21.1	5.8	2.0	7.7
DRUGS	2.6	0.0	2.6	0.2	0.0	0.2
PHYSICAL IMPAIRMENT	0.0	0.0	0.0	0.1	0.1	0.2
INATTENTION	21.1	18.4	39.5	34.2	20.6	51.8

¹This table identifies the percentage of motorcycle crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the motorcyclist or his motorcycle as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 1994 Missouri fatal motorcycle crashes, it was found that a motorcyclist was speeding in 57.9% of the crashes. In 2.6% of the crashes another driver was speeding. In 60.5% of the crashes either a motorcyclist, another driver, or both drivers were speeding.

TABLE 3.6.10

MOTORCYCLES INVOLVED IN 1994 MISSOURI CRASHES

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	3	0.3	38	13.2	41	3.0
KNOWN DRIVER INVOLVED	38	100.0	1,040	99.1	219	76.0	1,297	94.3
UNKNOWN DRIVER INVOLVED	0	0.0	6	0.6	31	10.8	37	2.7
TOTAL	38	100.0	1,049	100.0	288	100.0	1,375	100.0

TABLE 3.6.11

DRIVERS OF MOTORCYCLES INVOLVED IN 1994 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	38	100.0	999	96.1	192	95.5	1,229	96.1
FEMALE	0	0.0	41	3.9	9	4.5	50	3.9
UNKNOWN	0	-	6	-	49	-	55	-
TOTAL	38	100.0	1,046	100.0	250	100.0	1,334	100.0

TABLE 3.6.12

DRIVERS OF MOTORCYCLES INVOLVED IN 1994 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	32.2	-	31.8	-	31.3	-	31.7	-
15 YEARS AND UNDER	0	0.0	19	1.9	3	1.4	22	1.7
16 - 20 YEARS	7	18.4	176	17.1	40	18.9	223	17.4
21 - 25 YEARS	9	23.7	208	20.2	50	23.6	267	20.9
26 - 30 YEARS	4	10.5	135	13.1	22	10.4	161	12.6
31 - 35 YEARS	5	13.2	132	12.8	24	11.3	161	12.6
36 - 40 YEARS	5	13.2	121	11.8	27	12.7	153	12.0
41 - 45 YEARS	3	7.9	93	9.0	16	7.6	112	8.8
46 - 50 YEARS	1	2.6	61	5.9	12	5.7	74	5.8
51 - 55 YEARS	1	2.6	42	4.1	10	4.7	53	4.1
56 - 60 YEARS	1	2.6	17	1.7	3	1.4	21	1.6
61 - 65 YEARS	0	0.0	11	1.1	2	0.9	13	1.0
66 YEARS AND OVER	2	5.3	14	1.4	3	1.4	19	1.5
UNKNOWN	0	-	17	-	38	-	55	-
TOTAL	38	100.0	1,046	100.0	250	100.0	1,334	100.0

TABLE 3.6.13

DRIVERS OF MOTORCYCLES INVOLVED IN 1994 MISSOURI CRASHES

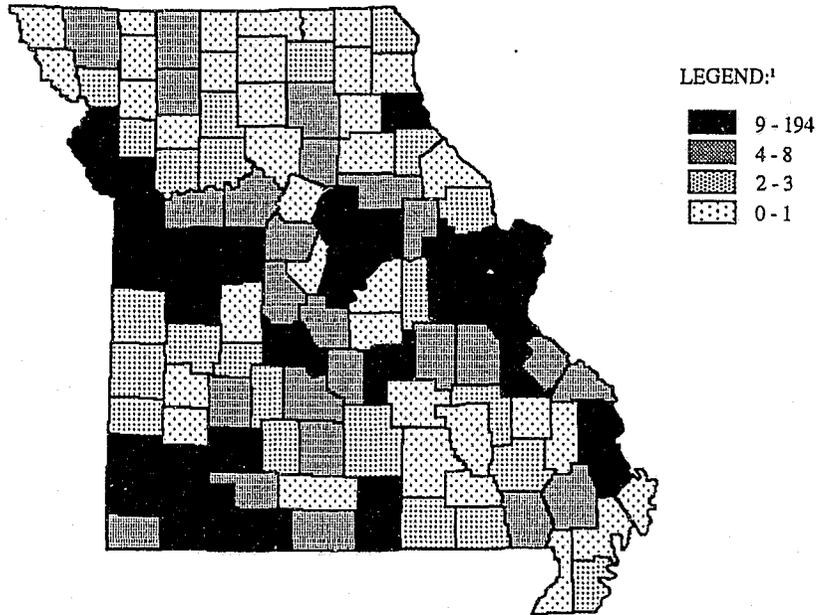
HELMET USAGE BY PERSONAL INJURY SEVERITY

	KILLED	DISABLING	EVIDENT	PROBABLE	NONE	UNKNOWN	TOTAL
HELMET USED	30	234	426	92	176	3	961
ROW %	3.1	24.4	44.5	9.6	18.4	-	100.0
HELMET NOT USED	3	29	37	9	15	0	93
ROW %	3.2	31.2	39.8	9.7	16.1	-	100.0
HELMET USE UNKNOWN	2	37	98	35	69	39	280
ROW %	0.8	15.4	40.7	14.5	28.6	-	100.0
TOTAL	35	300	561	136	260	42	1,334
ROW %	2.7	23.2	43.4	10.5	20.1	-	100.0

TABLE 3.6.14

1994 MOTORCYCLE INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	JACKSON	194	14.4	19.0	BARRY	14	1.0
2.0	ST. LOUIS	159	11.8	21.0	CALLAWAY	13	1.0
3.0	ST. LOUIS CITY	109	8.1	21.0	PLATTE	13	1.0
4.0	GREENE	93	6.9	21.0	TANEY	13	1.0
5.0	ST. CHARLES	57	4.2	23.5	HOWELL	12	0.9
6.5	CLAY	50	3.7	23.5	MARION	12	0.9
6.5	JEFFERSON	50	3.7	25.0	JOHNSON	11	0.8
8.0	BOONE	41	3.0	26.0	PETTIS	10	0.7
9.0	JASPER	40	3.0	29.0	CASS	9	0.7
10.0	BUCHANAN	33	2.5	29.0	HENRY	9	0.7
11.0	CAPE GIRARDEAU	31	2.3	29.0	LAWRENCE	9	0.7
12.0	FRANKLIN	24	1.8	29.0	SCOTT	9	0.7
13.0	COLE	22	1.6	29.0	WARREN	9	0.7
14.0	STONE	20	1.5				
15.5	NEWTON	17	1.3				
15.5	ST. FRANCOIS	17	1.3				
17.0	PHELPS	16	1.2				
18.0	CAMDEN	15	1.1				
First Quartile							
				32.5	AUDRAIN	8	0.6
				32.5	POLK	8	0.6
Second Quartile							

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
35.5	CHRISTIAN	7	0.5	73.0	LINCOLN	2	0.1
35.5	PULASKI	7	0.5	73.0	LIVINGSTON	2	0.1
35.5	SALINE	7	0.5	73.0	ST. CLAIR	2	0.1
35.5	WASHINGTON	7	0.5	73.0	VERNON	2	0.1
40.5	BUTLER	6	0.4	73.0	WAYNE	2	0.1
40.5	CRAWFORD	6	0.4				
40.5	LAFAYETTE	6	0.4				
40.5	MCDONALD	6	0.4				
40.5	MILLER	6	0.4				
40.5	MONTGOMERY	6	0.4				
46.0	COOPER	5	0.4				
46.0	LACLEDE	5	0.4				
46.0	MACON	5	0.4				
46.0	MORGAN	5	0.4				
46.0	OZARK	5	0.4				
52.5	DAVISS	4	0.3				
52.5	HARRISON	4	0.3				
52.5	NODAWAY	4	0.3				
52.5	PERRY	4	0.3				
52.5	RANDOLPH	4	0.3				
52.5	STE. GENEVIEVE	4	0.3				
52.5	STODDARD	4	0.3				
52.5	WRIGHT	4	0.3				
			Second Quartile				
			Third Quartile				
61.5	BATES	3	0.2	90.0	ATCHISON	1	0.1
61.5	CLINTON	3	0.2	90.0	BENTON	1	0.1
61.5	HICKORY	3	0.2	90.0	CHARITON	1	0.1
61.5	OREGON	3	0.2	90.0	DE KALB	1	0.1
61.5	PEMISCOTT	3	0.2	90.0	DOUGLAS	1	0.1
61.5	RALLS	3	0.2	90.0	DUNKLIN	1	0.1
61.5	RAY	3	0.2	90.0	HOWARD	1	0.1
61.5	RIPLEY	3	0.2	90.0	KNOX	1	0.1
61.5	TEXAS	3	0.2	90.0	LEWIS	1	0.1
61.5	WEBSTER	3	0.2	90.0	LINN	1	0.1
73.0	ADAIR	2	0.1	90.0	MADISON	1	0.1
73.0	ANDREW	2	0.1	90.0	MARIES	1	0.1
73.0	BARTON	2	0.1	90.0	MERCER	1	0.1
73.0	CARROLL	2	0.1	90.0	MISSISSIPPI	1	0.1
73.0	CLARK	2	0.1	90.0	MONROE	1	0.1
73.0	DALLAS	2	0.1	90.0	NEW MADRID	1	0.1
73.0	GASCONADE	2	0.1	90.0	PUTNAM	1	0.1
73.0	IRON	2	0.1	90.0	REYNOLDS	1	0.1
				90.0	SCHUYLER	1	0.1
				90.0	SHANNON	1	0.1
				90.0	SULLIVAN	1	0.1
				108.0	BOLLINGER	0	0.0
				108.0	CALDWELL	0	0.0
				108.0	CARTER	0	0.0
				108.0	CEDAR	0	0.0
				108.0	DADE	0	0.0
				108.0	DENT	0	0.0
				108.0	GENTRY	0	0.0
				108.0	GRUNDY	0	0.0
				108.0	HOLT	0	0.0
				108.0	MONITEAU	0	0.0
				108.0	OSAGE	0	0.0
				108.0	PIKE	0	0.0
				108.0	SCOTLAND	0	0.0
				108.0	SHELBY	0	0.0
				108.0	WORTH	0	0.0

TABLE 3.6.15

1994 MOTORCYCLE INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	147	17.7
2.0	ST. LOUIS	109	13.1
3.0	SPRINGFIELD	70	8.4
4.0	INDEPENDENCE	38	4.6
5.0	COLUMBIA	33	4.0
6.0	ST. JOSEPH	29	3.5
7.0	JOPLIN	24	2.9
8.0	CAPE GIRARDEAU	20	2.4
9.0	ST. CHARLES	15	1.8
10.5	JEFFERSON CITY	11	1.3
10.5	ST. PETERS	11	1.3
12.5	ARNOLD	9	1.1
12.5	HANNIBAL	9	1.1
14.5	BLUE SPRINGS	8	1.0
14.5	LEE'S SUMMIT	8	1.0
16.0	SEDALIA	7	0.8
19.0	CLINTON	6	0.7
19.0	O'FALLON	6	0.7
19.0	OSAGE BEACH	6	0.7
19.0	WEBSTER GROVES	6	0.7
19.0	WEST PLAINS	6	0.7
26.5	BRANSON	5	0.6
26.5	BRIDGETON	5	0.6
26.5	CARTHAGE	5	0.6
26.5	GLADSTONE	5	0.6
26.5	KIRKWOOD	5	0.6
26.5	RAYTOWN	5	0.6
26.5	RICHMOND HEIGHTS	5	0.6
26.5	ROLLA	5	0.6
26.5	SIKESTON	5	0.6
26.5	WASHINGTON	5	0.6
39.5	BELTON	4	0.5
39.5	BERKELEY	4	0.5
39.5	CREVE COEUR	4	0.5
39.5	ELLISVILLE	4	0.5
39.5	FERGUSON	4	0.5
39.5	FLORISSANT	4	0.5
39.5	JACKSON	4	0.5
39.5	LIBERTY	4	0.5
39.5	MARSHALL	4	0.5
39.5	MARYLAND HEIGHTS	4	0.5
39.5	MEXICO	4	0.5
39.5	MOBERLY	4	0.5
39.5	NEOSHO	4	0.5
39.5	NORTH KANSAS CITY	4	0.5
39.5	POPLAR BLUFF	4	0.5
39.5	WARRENSBURG	4	0.5

¹Percentage is based on motorcycle involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

TABLE 3.6.16

**MISSOURI FATAL AND PERSONAL INJURY MOTORCYCLE INVOLVED CRASHES
ANNUAL TIME SERIES**

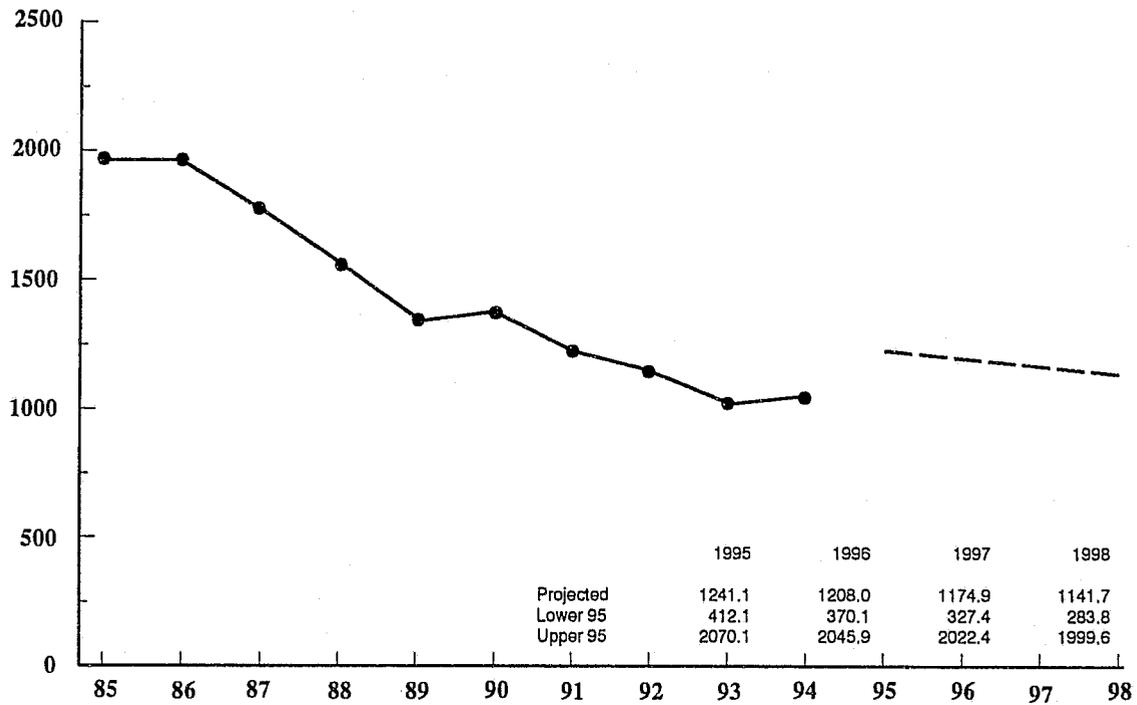


FIGURE 3.6.4

3.7 SCHOOL BUS INVOLVEMENT

This section presents a series of data displays which identify school bus involvement in Missouri's traffic crash experience. School bus involved traffic crashes are defined as any crash in which one or more school buses were directly involved in the incident or where a school bus signal was associated with the traffic crash. Data displays are presented which identify characteristics of school bus drivers involved in these traffic crashes.

1994 SUMMARY ANALYSIS

- Of all 1994 Missouri traffic crashes, 1.0% involved a school bus. Of all fatal traffic crashes, 0.1% involved a school bus. One person was killed and 937 were injured in school bus crashes.
- In 1994, one person was killed or injured in a school bus crash every 9.3 hours in the State of Missouri.
- In 81.5% of the school bus traffic crashes, one or more school buses were directly involved in the incident. In 18.5% of the cases, a school bus signal was associated with the crash.
- Of all 1994 school bus crashes, the first harmful event in 76.4% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 15.9% of the cases one motor vehicle in transport struck a parked vehicle.
- Of all 1994 school bus traffic crashes, 73.6% occurred in urban areas of the State and 26.4% occurred in rural areas.
- Of all 1994 school bus traffic crashes, 61.3% occurred on a city street, 10.7% occurred on a county road, and 8.6% occurred on a state numbered road.
- Of all school bus drivers involved in traffic crashes, 52.1% were male and 47.9% were female. The average age of school bus drivers was 40.7 years.

1994 MISSOURI TRAFFIC CRASHES

SCHOOL BUS INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹		SCHOOL BUS DRIVERS/PASSENGERS ²	
									KILLED	INJURED	KILLED	INJURED
SCHOOL BUS INVOLVED	1	0.1	385	0.8	1,295	1.1	1,681	1.0	1	937	0	526
NO SCHOOL BUS INVOLVED	940	99.9	49,903	99.2	121,102	98.9	171,945	99.0	1,082	79,000	-	-
UNKNOWN ³	6	-	743	-	5,997	-	6,746	-	6	1,090	-	-
TOTAL	947	100.0	51,031	100.0	128,394	100.0	180,372	100.0	1,089	81,027	0	526

¹This statistic indicates the total number of persons killed and injured in a crash where one or more school buses / signals were involved.

²This statistic indicates the number of school bus drivers and passengers in the school bus killed and injured.

³Crashes were classified as unknown if the following conditions exist: none of the vehicles involved in the crash was a school bus or no school bus signals were involved and the body type of one or more vehicles in the crash was not known.

TABLE 3.7.1

**DIRECT SCHOOL BUS INVOLVEMENT IN 1994 MISSOURI SCHOOL BUS CRASHES
STATUS BY CRASH SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
NONEINVOLVED ¹	0	0.0	100	26.0	211	16.3	311	18.5
1INVOLVED	1	100.0	275	71.4	1,053	81.3	1,329	79.1
2INVOLVED	0	0.0	10	2.6	31	2.4	41	2.4
TOTAL	1	100.0	385	100.0	1,295	100.0	1,681	100.0

¹Although a school bus was not directly involved in the traffic crash, a school bus signal was involved.

TABLE 3.7.2

1993 and 1994 SCHOOL BUS INVOLVED CRASH ANALYSIS

	1993	1994	RATE OF CHANGE
FATAL	5	1	- 80.0
PERSONAL INJURY	333	385	+ 15.6
PROPERTY DAMAGE	1,238	1,295	+ 4.6
TOTAL	1,576	1,681	+ 6.7

TABLE 3.7.3

1994 SCHOOL BUS INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	0	0.0	2	0.2	2	0.1
BICYCLIST	0	0.0	9	2.3	2	0.2	11	0.7
FIXED OBJECT	0	0.0	13	3.4	64	4.9	77	4.6
OTHER OBJECT	0	0.0	1	0.3	3	0.2	4	0.2
PEDESTRIAN	1	100.0	21	5.5	1	0.1	23	1.4
TRAIN	0	0.0	0	0.0	0	0.0	0	0.0
VEHICLE IN TRANSPORT	0	0.0	322	83.6	962	74.3	1,284	76.4
VEHICLE ON OTHER ROADWAY	0	0.0	0	0.0	1	0.1	1	0.1
PARKED VEHICLE	0	0.0	10	2.6	257	19.9	267	15.9
NON-COLLISION OVERTURN	0	0.0	3	0.8	1	0.1	4	0.2
NON-COLLISION OTHER	0	0.0	6	1.6	2	0.2	8	0.5
TOTAL	1	100.0	385	100.0	1,295	100.0	1,681	100.0

TABLE 3.7.4

1994 SCHOOL BUS INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	1	100.0	265	68.8	971	75.0	1,237	73.6
RURAL	0	0.0	120	31.2	324	25.0	444	26.4
TOTAL	1	100.0	385	100.0	1,295	100.0	1,681	100.0

TABLE 3.7.5

**1994 SCHOOL BUS INVOLVED CRASHES
ROAD CURVATURE BY CRASH SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	1	100.0	343	91.0	1,082	89.7	1,426	90.0
CURVE	0	0.0	34	9.0	124	10.3	158	10.0
UNKNOWN	0	-	8	-	89	-	97	-
TOTAL	1	100.0	385	100.0	1,295	100.0	1,681	100.0

TABLE 3.7.6

**1994 SCHOOL BUS INVOLVED CRASHES
ROAD INCLINE BY CRASH SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	0	0.0	261	69.8	901	75.1	1,162	73.8
HILL	1	100.0	99	26.5	283	23.6	383	24.3
CREST	0	0.0	14	3.7	16	1.3	30	1.9
UNKNOWN	0	-	11	-	95	-	106	-
TOTAL	1	100.0	385	100.0	1,295	100.0	1,681	100.0

TABLE 3.7.7

1994 SCHOOL BUS INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	1	100.0	262	68.8	945	74.1	1,208	72.9
WET	0	0.0	96	25.2	235	18.4	331	20.0
SNOW	0	0.0	11	2.9	35	2.8	46	2.8
ICE	0	0.0	12	3.2	59	4.6	71	4.3
MUD	0	0.0	0	0.0	1	0.1	1	0.1
UNKNOWN	0	-	4	-	20	-	24	-
TOTAL	1	100.0	385	100.0	1,295	100.0	1,681	100.0

TABLE 3.7.8

1994 SCHOOL BUS INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	0	0.0	25	6.5	69	5.3	94	5.6
U.S. HIGHWAY	0	0.0	26	6.8	62	4.8	88	5.2
STATE NUMBERED	0	0.0	39	10.1	105	8.1	144	8.6
SINGLE STATE LETTERED	0	0.0	25	6.5	39	3.0	64	3.8
DOUBLE STATE LETTERED	0	0.0	7	1.8	10	0.8	17	1.0
OUTER ROAD	0	0.0	0	0.0	12	0.9	12	0.7
COUNTY ROAD	0	0.0	35	9.1	145	11.2	180	10.7
CITY STREET	1	100.0	216	56.1	814	62.9	1,031	61.3
INTERSTATE LOOP	0	0.0	3	0.8	8	0.6	11	0.7
OTHER ¹	0	0.0	9	2.3	31	2.4	40	2.4
TOTAL	1	100.0	385	100.0	1,295	100.0	1,681	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.7.9

1994 SCHOOL BUS INVOLVED CRASHES

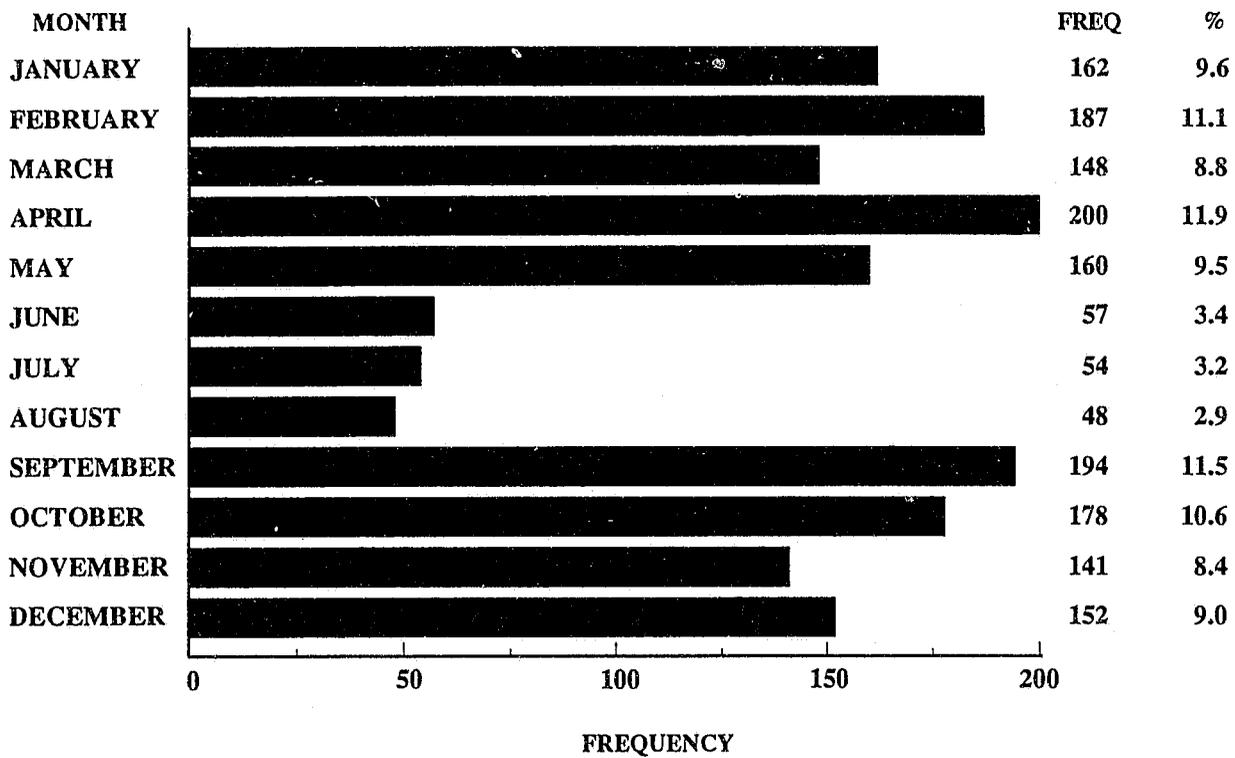
HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	0	0.0	20	7.6	61	6.3	81	6.6	0	0.0	5	4.2	8	2.5	13	2.9
U.S. HIGHWAY	0	0.0	12	4.5	28	2.9	40	3.2	0	0.0	14	11.7	34	10.5	48	10.8
STATE NUMBERED	0	0.0	11	4.2	47	4.8	58	4.7	0	0.0	28	23.3	58	17.9	86	19.4
SINGLE STATE LETTERED	0	0.0	9	3.4	12	1.2	21	1.7	0	0.0	16	13.3	27	8.3	43	9.7
DOUBLE STATE LETTERED	0	0.0	1	0.4	3	0.3	4	0.3	0	0.0	6	5.0	7	2.2	13	2.9
OUTER ROAD	0	0.0	0	0.0	7	0.7	7	0.6	0	0.0	0	0.0	5	1.5	5	1.1
COUNTY ROAD	0	0.0	7	2.6	32	3.3	39	3.2	0	0.0	28	23.3	113	34.9	141	31.8
CITY STREET	1	100.0	201	75.9	761	78.4	963	77.9	0	0.0	15	12.5	53	16.4	68	15.3
INTERSTATE LOOP	0	0.0	2	0.8	6	0.6	8	0.7	0	0.0	1	0.8	2	0.6	3	0.7
OTHER ¹	0	0.0	2	0.8	14	1.4	16	1.3	0	0.0	7	5.8	17	5.3	24	5.4
TOTAL	1	100.0	265	100.0	971	100.0	1,237	100.0	0	0.0	120	100.0	324	100.0	444	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.7.10

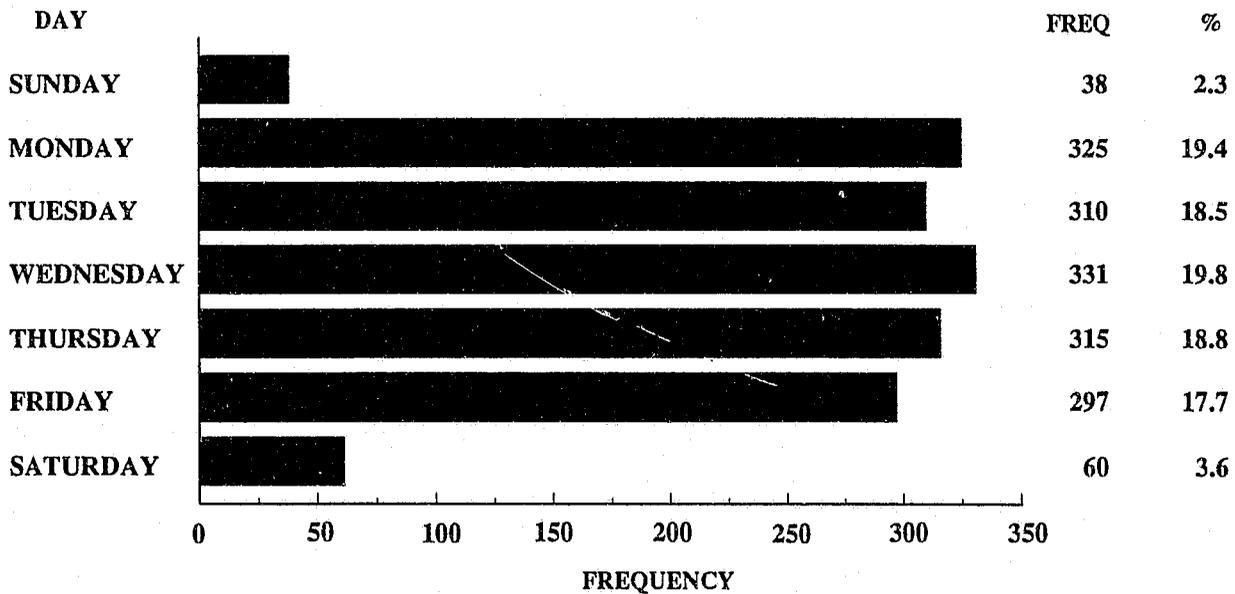
**1994 MISSOURI SCHOOL BUS INVOLVED CRASHES
MONTH OF YEAR**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.7.1

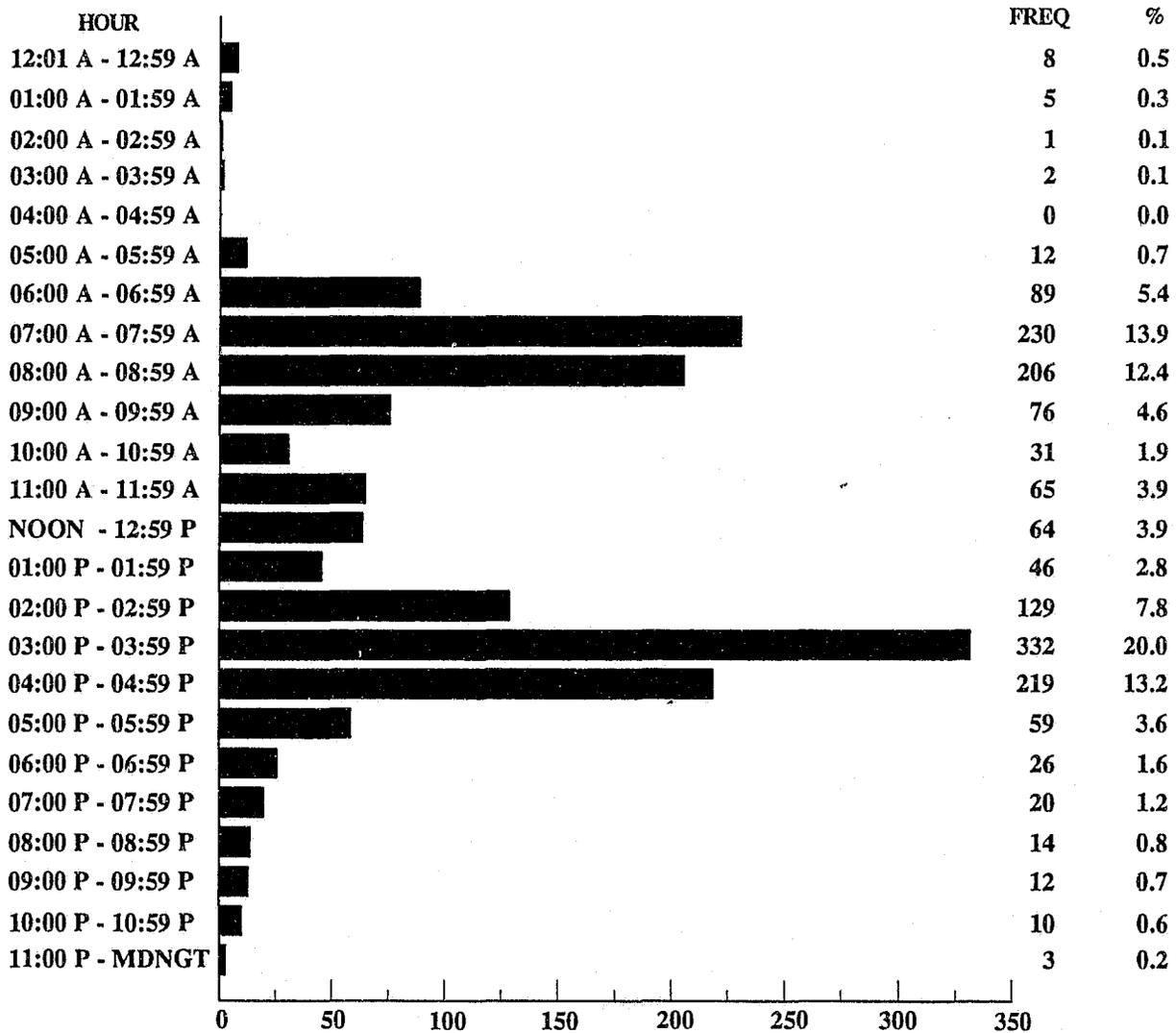
**1994 MISSOURI SCHOOL BUS INVOLVED CRASHES
DAY OF WEEK**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.7.2

1994 MISSOURI SCHOOL BUS INVOLVED CRASHES HOUR OF DAY



FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.7.3

1994 MISSOURI SCHOOL BUS CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL SCHOOL BUS CRASHES = 1				TOTAL SCHOOL BUS CRASHES = 1,681		
	SCHOOL BUS DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	SCHOOL BUS DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
EXCEEDING SPEED LIMIT/ TOO FAST FOR CONDITIONS	0.0	0.0	0.0	2.4	9.9	12.1
IMPROPER PASSING	0.0	0.0	0.0	0.5	2.3	2.7
VIOLATION OF STOP SIGN	0.0	0.0	0.0	0.8	2.4	3.2
WRONG SIDE NOT PASSING	0.0	0.0	0.0	0.7	1.2	1.7
FOLLOWING TOO CLOSE	0.0	0.0	0.0	1.0	6.5	7.5
IMPROPER SIGNAL	0.0	0.0	0.0	0.1	0.1	0.2
IMPROPER BACKING	0.0	0.0	0.0	2.1	1.1	3.2
IMPROPER TURN	0.0	0.0	0.0	2.9	1.4	4.2
IMPROPER LANE USAGE/CHANGE	0.0	0.0	0.0	1.2	2.7	3.7
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	0.0	0.2	0.2
IMPROPER START FROM PARK	0.0	0.0	0.0	0.2	0.2	0.5
IMPROPERLY PARKED	0.0	0.0	0.0	0.5	1.7	2.2
VEHICLE DEFECTS	0.0	0.0	0.0	0.8	2.3	3.0
FAILED TO YIELD	0.0	100.0	100.0	4.9	6.7	11.5
DRINKING	0.0	0.0	0.0	0.1	0.4	0.4
DRUGS	0.0	0.0	0.0	0.0	0.1	0.1
PHYSICAL IMPAIRMENT	0.0	0.0	0.0	0.1	0.8	0.9
INATTENTION	100.0	100.0	100.0	26.4	36.4	58.1

¹This table identifies the percentage of school bus crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the school bus driver or the school bus as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 1994 Missouri school bus crashes, it was found that a school bus driver was speeding in 2.4% of the crashes. In 9.9% of the crashes another driver was speeding. In 12.1% of the crashes either a school bus driver, another driver, or both drivers were speeding.

TABLE 3.7.11

SCHOOL BUSES INVOLVED IN 1994 MISSOURI CRASHES

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	3	1.0	28	2.5	31	2.2
KNOWN DRIVER INVOLVED	1	100.0	290	98.3	1,041	93.4	1,332	94.4
UNKNOWN DRIVER INVOLVED	0	0.0	2	0.7	46	4.1	48	3.4
TOTAL	1	100.0	295	100.0	1,115	100.0	1,411	100.0

TABLE 3.7.12

DRIVERS OF SCHOOL BUSES INVOLVED IN 1994 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	1	100.0	161	55.5	524	51.1	686	52.1
FEMALE	0	0.0	129	44.5	501	48.9	630	47.9
UNKNOWN	0	-	2	-	62	-	64	-
TOTAL	1	100.0	292	100.0	1,087	100.0	1,380	100.0

TABLE 3.7.13

DRIVERS OF SCHOOL BUSES INVOLVED IN 1994 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	35.0	-	41.1	-	40.7	-	40.7	-
15 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
16 - 20 YEARS	0	0.0	0	0.0	1	0.1	1	0.1
21 - 25 YEARS	0	0.0	36	12.7	119	11.6	155	11.8
26 - 30 YEARS	0	0.0	49	17.3	151	14.7	200	15.3
31 - 35 YEARS	1	100.0	31	11.0	152	14.8	184	14.1
36 - 40 YEARS	0	0.0	44	15.6	128	12.5	172	13.1
41 - 45 YEARS	0	0.0	23	8.1	117	11.4	140	10.7
46 - 50 YEARS	0	0.0	20	7.1	103	10.1	123	9.4
51 - 55 YEARS	0	0.0	23	8.1	96	9.4	119	9.1
56 - 60 YEARS	0	0.0	29	10.3	73	7.1	102	7.8
61 - 65 YEARS	0	0.0	18	6.4	55	5.4	73	5.6
66 YEARS AND OVER	0	0.0	10	3.5	30	2.9	40	3.1
UNKNOWN	0	-	9	-	62	-	71	-
TOTAL	1	100.0	292	100.0	1,087	100.0	1,380	100.0

TABLE 3.7.14

DRIVERS OF SCHOOL BUSES INVOLVED IN 1994 MISSOURI CRASHES

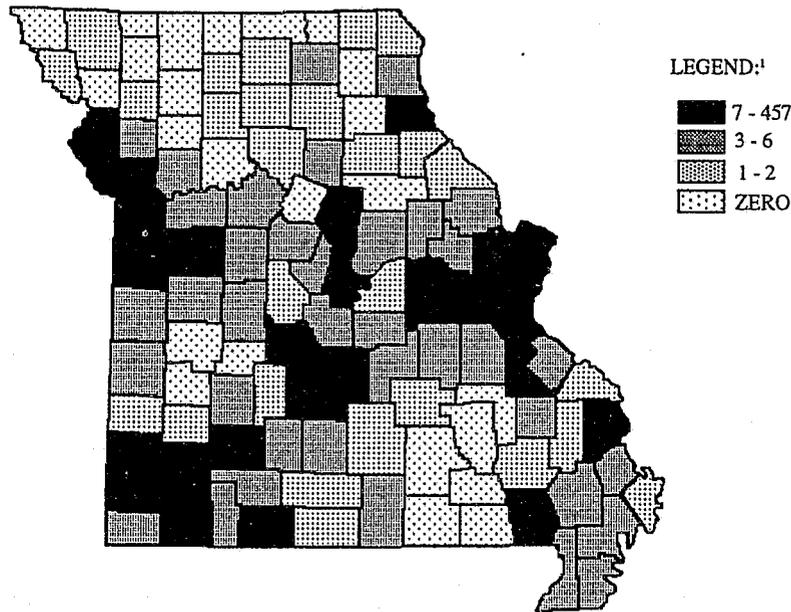
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	0	0.0	1	0.1	1	0.1
FOR HIRE	0	0.0	15	5.4	31	3.2	46	3.7
OPERATOR'S LICENSE	0	0.0	19	6.9	103	10.7	122	9.8
MOTORCYCLE ONLY	0	0.0	0	0.0	1	0.1	1	0.1
COMMERCIAL DRIVER'S LICENSE	1	100.0	220	79.4	792	82.1	1,013	81.5
SUB-TOTAL	1	100.0	254	91.7	928	96.2	1,183	95.2
OUT STATE								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
FOR HIRE	0	0.0	1	0.4	1	0.1	2	0.2
OPERATOR'S LICENSE	0	0.0	1	0.4	5	0.5	6	0.5
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	0	0.0	21	7.6	30	3.1	51	4.1
SUB-TOTAL	0	0.0	23	8.3	36	3.7	59	4.7
UNLICENSED	0	0.0	0	0.0	1	0.1	1	0.1
UNKNOWN	0	-	15	-	122	-	137	-
TOTAL	1	100.0	292	100.0	1,087	100.0	1,380	100.0

TABLE 3.7.15

1994 SCHOOL BUS INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS CITY	457	27.2	18.5	MARION	9	0.5
2.0	JACKSON	374	22.2	18.5	ST. FRANCOIS	9	0.5
3.0	ST. LOUIS	281	16.7	21.5	BUTLER	8	0.5
4.0	JEFFERSON	42	2.5	21.5	TANEY	8	0.5
5.0	CLAY	39	2.3	25.0	CAMDEN	7	0.4
6.0	BOONE	36	2.1	25.0	GASCONADE	7	0.4
7.5	GREENE	31	1.8	25.0	LAWRENCE	7	0.4
7.5	ST. CHARLES	31	1.8	25.0	NEWTON	7	0.4
9.0	JASPER	16	1.0	25.0	PULASKI	7	0.4
10.0	PLATTE	15	0.9				
11.5	CAPE GIRARDEAU	14	0.8				First Quartile
11.5	JOHNSON	14	0.8				
13.5	CASS	13	0.8				Second Quartile
13.5	FRANKLIN	13	0.8	31.0	CALLAWAY	6	0.4
15.0	COLE	12	0.7	31.0	CHRISTIAN	6	0.4
16.0	BUCHANAN	11	0.7	31.0	CRAWFORD	6	0.4
18.5	BARRY	9	0.5	31.0	HOWELL	6	0.4
18.5	LACLEDE	9	0.5	31.0	POLK	6	0.4
				31.0	SCOTT	6	0.4

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
31.0	WEBSTER	6	0.4	70.5	TEXAS	2	0.1
38.0	BATES	5	0.3	70.5	WAYNE	2	0.1
38.0	HENRY	5	0.3	84.0	BARTON	1	0.1
38.0	LINCOLN	5	0.3	84.0	BOLLINGER	1	0.1
38.0	RANDOLPH	5	0.3	84.0	CLARK	1	0.1
38.0	STODDARD	5	0.3	84.0	DADE	1	0.1
38.0	VERNON	5	0.3	84.0	DALLAS	1	0.1
38.0	WRIGHT	5	0.3	84.0	DE KALB	1	0.1
46.5	CLINTON	4	0.2	84.0	DENT	1	0.1
46.5	MADISON	4	0.2	84.0	GRUNDY	1	0.1
46.5	MILLER	4	0.2	84.0	HOLT	1	0.1
46.5	MONTGOMERY	4	0.2	84.0	MACON	1	0.1
46.5	NEW MADRID	4	0.2	84.0	MISSISSIPPI	1	0.1
46.5	PETTIS	4	0.2	84.0	MONROE	1	0.1
46.5	PHELPS	4	0.2	84.0	OZARK	1	0.1
46.5	RAY	4	0.2	84.0	PERRY	1	0.1
46.5	SALINE	4	0.2	84.0	SULLIVAN	1	0.1
46.5	WASHINGTON	4	0.2				
58.0	ADAIR	3	0.2				
58.0	BENTON	3	0.2				
58.0	COOPER	3	0.2				
58.0	DUNKLIN	3	0.2	103.5	ANDREW	0	0.0
58.0	LAFAYETTE	3	0.2	103.5	ATCHISON	0	0.0
58.0	LEWIS	3	0.2	103.5	AUDRAIN	0	0.0
58.0	MCDONALD	3	0.2	103.5	CALDWELL	0	0.0
58.0	MARIES	3	0.2	103.5	CARROLL	0	0.0
58.0	MONTEAU	3	0.2	103.5	CARTER	0	0.0
58.0	PEMISCOTT	3	0.2	103.5	CEDAR	0	0.0
58.0	STE. GENEVIEVE	3	0.2	103.5	DAVISS	0	0.0
58.0	STONE	3	0.2	103.5	GENTRY	0	0.0
58.0	WARREN	3	0.2	103.5	HARRISON	0	0.0
			Second Quartile	103.5	HICKORY	0	0.0
			Third Quartile	103.5	HOWARD	0	0.0
70.5	CHARITON	2	0.1	103.5	IRON	0	0.0
70.5	DOUGLAS	2	0.1	103.5	KNOX	0	0.0
70.5	LINN	2	0.1	103.5	MERCER	0	0.0
70.5	LIVINGSTON	2	0.1	103.5	OREGON	0	0.0
70.5	MORGAN	2	0.1	103.5	PUTNAM	0	0.0
70.5	NODAWAY	2	0.1	103.5	REYNOLDS	0	0.0
70.5	OSAGE	2	0.1	103.5	RIPLEY	0	0.0
70.5	PIKE	2	0.1	103.5	ST. CLAIR	0	0.0
70.5	RALLS	2	0.1	103.5	SCHUYLER	0	0.0
70.5	SCOTLAND	2	0.1	103.5	SHANNON	0	0.0
				103.5	SHELBY	0	0.0
				103.5	WORTH	0	0.0

TABLE 3.7.16

1994 SCHOOL BUS INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	ST. LOUIS	457	33.7
2.0	KANSAS CITY	345	25.4
3.5	COLUMBIA	28	2.1
3.5	INDEPENDENCE	28	2.1
5.0	SPRINGFIELD	25	1.8
6.0	UNIVERSITY CITY	18	1.3
7.0	FLORISSANT	13	1.0
8.0	JEFFERSON CITY	12	0.9
9.5	CHESTERFIELD	11	0.8
9.5	JOPLIN	11	0.8
11.0	ST. JOSEPH	10	0.7
13.0	RICHMOND HEIGHTS	9	0.7
13.0	ST. PETERS	9	0.7
13.0	WEBSTER GROVES	9	0.7
15.5	BRIDGETON	8	0.6
15.5	LEBANON	8	0.6
18.5	BELTON	7	0.5
18.5	EXCELSIOR SPRINGS	7	0.5
18.5	LADUE	7	0.5
18.5	TOWN AND COUNTRY	7	0.5

¹Percentage is based on school bus involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

TABLE 3.7.17

3.8 BICYCLE INVOLVEMENT

This section presents a series of data displays which identify bicycle involvement in Missouri's traffic crash experience. Bicycle involved traffic crashes are defined as any crash in which one or more bicycles were directly involved in the incident. Data displays also are provided which describe characteristics of the bicyclist as well as other drivers and vehicles involved in the traffic crash.

1994 SUMMARY ANALYSIS

- Of all 1994 Missouri traffic crashes, 0.6% involved a bicycle. Of all fatal traffic crashes, 0.7% involved a bicycle. A total of 7 persons were killed and 949 were injured in these traffic crashes.
- There was an increase of 15.4% in the rate of change when comparing total 1994 bicycle-related traffic crashes with those occurring in 1993. However, there was a decrease of 12.5% when comparing fatal 1994 bicycle-related crashes with 1993.
- In 1994, one person was killed or injured in a bicycle traffic crash every 9.2 hours in the State of Missouri.
- Of all 1994 bicycle traffic crashes, 79.3% occurred in an urban area and 20.7% occurred in a rural area of the State. However, 71.4% of the fatal bicycle traffic crashes occurred in a rural area.
- Of all 1994 bicycle traffic crashes, 67.6% occurred on a city street.
- Of all 1994 bicycle traffic crashes, 76.4% occurred from April through September.
- Of all bicycle drivers involved in traffic crashes, 84.9% were male and 15.1% were female. The average age of bicycle drivers was 17.6 years.
- Of all other types of vehicles involved in bicycle crashes, 75.6% were automobiles and 10.7% were pick-up trucks.

1994 MISSOURI TRAFFIC CRASHES

BICYCLE INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹		BICYCLE DRIVERS/PASSENGERS ²	
									KILLED	INJURED	KILLED	INJURED
BICYCLE INVOLVED	7	0.7	913	1.8	171	0.1	1,091	0.6	7	949	7	929
NO BICYCLE INVOLVED	934	99.3	49,912	98.2	123,585	99.9	174,431	99.4	1,076	79,794	-	-
UNKNOWN ³	6	-	206	-	4,638	-	4,850	-	6	284	-	-
TOTAL	947	100.0	51,031	100.0	128,394	100.0	180,372	100.0	1,089	81,027	7	929

¹This statistic indicates the total number of persons killed and injured in a crash where one or more bicycles were involved.

²This statistic indicates the number of bicycle drivers and passengers killed and injured.

³Crashes were classified as unknown if the following conditions exist: none of the vehicles involved in the crash was a bicycle and the body type of one or more vehicles involved in the accident was not known.

TABLE 3.8.1

1993 and 1994 BICYCLE INVOLVED CRASH ANALYSIS

	1993	1994	RATE OF CHANGE
FATAL	8	7	- 12.5
PERSONAL INJURY	811	913	+ 12.6
PROPERTY DAMAGE	126	171	+ 35.7
TOTAL	945	1,091	+ 15.4

TABLE 3.8.2

1994 BICYCLE INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	2	28.6	727	79.6	136	79.5	865	79.3
RURAL	5	71.4	186	20.4	35	20.5	226	20.7
TOTAL	7	100.0	913	100.0	171	100.0	1,091	100.0

TABLE 3.8.3

1994 BICYCLE INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	6	85.7	857	94.6	148	96.7	1,011	94.8
CURVE	1	14.3	49	5.4	5	3.3	55	5.2
UNKNOWN	0	-	7	-	18	-	25	-
TOTAL	7	100.0	913	100.0	171	100.0	1,091	100.0

TABLE 3.8.4

1994 BICYCLE INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	5	71.4	660	73.7	119	78.8	784	74.5
HILL	1	14.3	222	24.8	30	19.9	253	24.0
CREST	1	14.3	13	1.5	2	1.3	16	1.5
UNKNOWN	0	-	18	-	20	-	38	-
TOTAL	7	100.0	913	100.0	171	100.0	1,091	100.0

TABLE 3.8.5

1994 BICYCLE INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	6	85.7	864	95.0	165	96.5	1,035	95.1
WET	1	14.3	44	4.8	5	2.9	50	4.6
SNOW	0	0.0	2	0.2	0	0.0	2	0.2
ICE	0	0.0	0	0.0	1	0.6	1	0.1
MUD	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	3	-	0	-	3	-
TOTAL	7	100.0	913	100.0	171	100.0	1,091	100.0

TABLE 3.8.6

1994 BICYCLE INVOLVED CRASHES

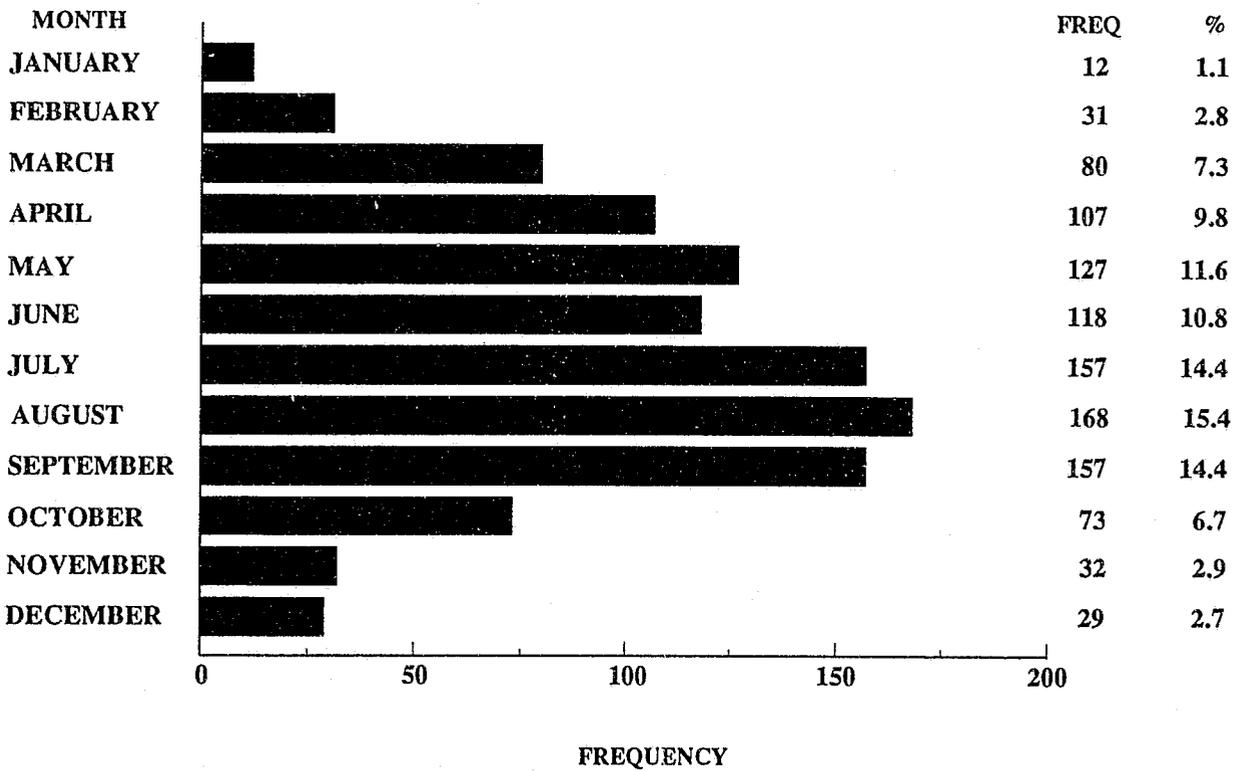
HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	0	0.0	9	1.0	0	0.0	9	0.8
U.S. HIGHWAY	1	14.3	39	4.3	9	5.3	49	4.5
STATE NUMBERED	1	14.3	88	9.6	17	9.9	106	9.7
SINGLE STATE LETTERED	1	14.3	19	2.1	4	2.3	24	2.2
DOUBLE STATE LETTERED	0	0.0	6	0.7	0	0.0	6	0.6
OUTER ROAD	1	14.3	3	0.3	2	1.2	6	0.6
COUNTY ROAD	2	28.6	89	9.8	12	7.0	103	9.4
CITY STREET	1	14.3	619	67.8	117	68.4	737	67.6
INTERSTATE LOOP	0	0.0	5	0.6	1	0.6	6	0.6
OTHER ¹	0	0.0	36	3.9	9	5.3	45	4.1
TOTAL	7	100.0	913	100.0	171	100.0	1,091	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.8.7

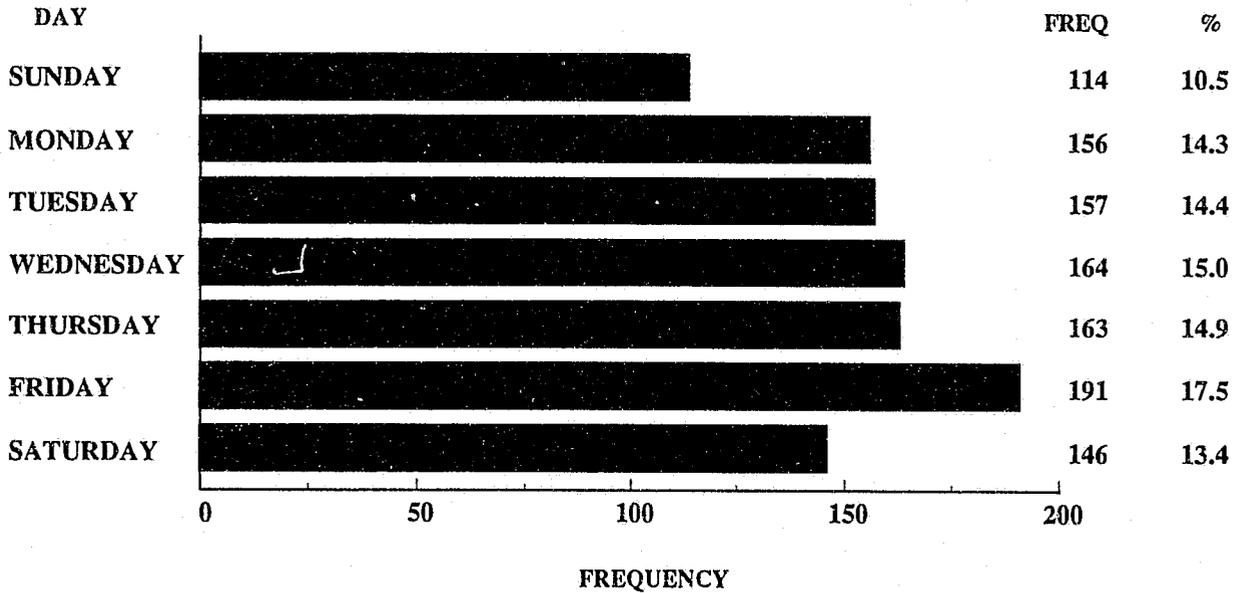
**1994 MISSOURI BICYCLE INVOLVED CRASHES
MONTH OF YEAR**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.8.1

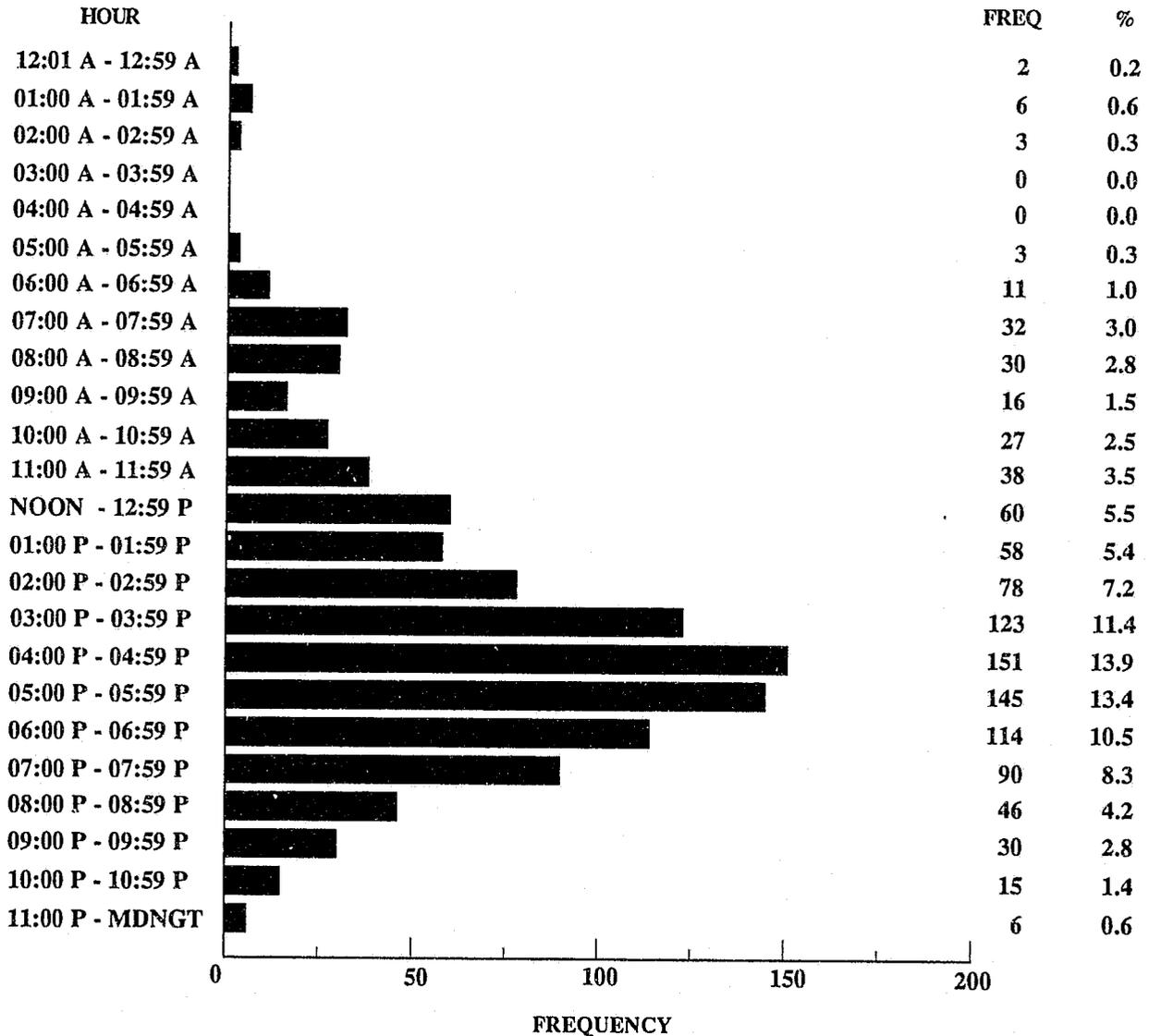
**1994 MISSOURI BICYCLE INVOLVED CRASHES
DAY OF WEEK**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.8.2

1994 MISSOURI BICYCLE INVOLVED CRASHES HOUR OF DAY



UNKNOWN DATA NOT INCLUDED

FIGURE 3.8.3

1994 MISSOURI BICYCLE CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL BICYCLE CRASHES = 7				TOTAL BICYCLE CRASHES = 1,091		
	BICYCLE DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	BICYCLE DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
EXCEEDING SPEED LIMIT/ TOO FAST FOR CONDITIONS	0.0	14.3	14.3	2.3	2.0	4.2
IMPROPER PASSING	0.0	0.0	0.0	0.5	0.5	1.0
VIOLATION OF STOP SIGN	14.3	0.0	14.3	7.0	0.9	7.9
WRONG SIDE NOT PASSING	14.3	0.0	14.3	4.8	0.5	5.3
FOLLOWING TOO CLOSE	0.0	0.0	0.0	0.4	0.5	0.9
IMPROPER SIGNAL	0.0	0.0	0.0	0.5	0.2	0.6
IMPROPER BACKING	0.0	0.0	0.0	0.0	0.5	0.5
IMPROPER TURN	0.0	0.0	0.0	1.4	0.5	1.9
IMPROPER LANE USAGE/CHANGE	0.0	0.0	0.0	3.8	0.9	4.7
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	1.4	0.1	1.5
IMPROPER START FROM PARK	0.0	0.0	0.0	0.0	0.1	0.1
IMPROPERLY PARKED	0.0	0.0	0.0	0.0	0.0	0.0
VEHICLE DEFECTS	42.9	0.0	42.9	5.0	0.0	5.0
FAILED TO YIELD	0.0	0.0	0.0	21.4	8.6	29.5
DRINKING	0.0	14.3	14.3	0.8	0.6	1.5
DRUGS	0.0	0.0	0.0	0.0	0.1	0.1
PHYSICAL IMPAIRMENT	0.0	0.0	0.0	0.1	0.2	0.3
INATTENTION	28.6	14.3	42.9	47.4	25.8	63.9

¹This table identifies the percentage of bicycle crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the bicyclist or his bicycle as well as those attributed to other persons and vehicles in the crash. For instance, when examining driver failure to yield in 1994 Missouri bicycle crashes, it was found that a bicyclist failed to yield in 21.4% of the crashes. In 8.6% of the crashes another driver failed to yield. In 29.5% of the crashes either a bicyclist, another driver, or both drivers failed to yield.

TABLE 3.8.8

BICYCLES INVOLVED IN 1994 MISSOURI CRASHES

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	0	0.0	0	0.0	0	0.0
KNOWN DRIVER INVOLVED	7	100.0	908	99.2	142	82.6	1,057	96.6
UNKNOWN DRIVER INVOLVED	0	0.0	7	0.8	30	17.4	37	3.4
TOTAL	7	100.0	915	100.0	172	100.0	1,094	100.0

TABLE 3.8.9

BICYCLE DRIVERS INVOLVED IN 1994 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	6	85.7	773	84.7	126	86.3	905	84.9
FEMALE	1	14.3	140	15.3	20	13.7	161	15.1
UNKNOWN	0	-	2	-	26	-	28	-
TOTAL	7	100.0	915	100.0	172	100.0	1,094	100.0

TABLE 3.8.10

BICYCLE DRIVERS INVOLVED IN 1994 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	36.9	-	17.4	-	17.4	-	17.6	-
5 YEARS AND UNDER	0	0.0	25	2.8	5	3.9	30	3.0
6 - 10 YEARS	0	0.0	232	26.3	28	21.7	260	25.5
11 - 15 YEARS	1	14.3	326	37.0	48	37.2	375	36.8
16 - 20 YEARS	1	14.3	78	8.8	14	10.9	93	9.1
21 - 25 YEARS	0	0.0	54	6.1	9	7.0	63	6.2
26 - 30 YEARS	0	0.0	51	5.8	9	7.0	60	5.9
31 - 35 YEARS	0	0.0	26	3.0	5	3.9	31	3.1
36 - 40 YEARS	3	42.9	35	4.0	5	3.9	43	4.2
41 - 45 YEARS	0	0.0	21	2.4	3	2.3	24	2.4
46 - 50 YEARS	1	14.3	14	1.6	1	0.8	16	1.6
51 - 55 YEARS	0	0.0	4	0.5	1	0.8	5	0.5
56 - 60 YEARS	0	0.0	2	0.2	0	0.0	2	0.2
61 - 65 YEARS	1	14.3	4	0.5	0	0.0	5	0.5
66 YEARS AND OVER	0	0.0	10	1.1	1	0.8	11	1.1
UNKNOWN	0	-	33	-	43	-	76	-
TOTAL	7	100.0	915	100.0	172	100.0	1,094	100.0

TABLE 3.8.11

1994 BICYCLE INVOLVED CRASHES¹

OTHER TYPES OF VEHICLES INVOLVED BY CRASH SEVERITY

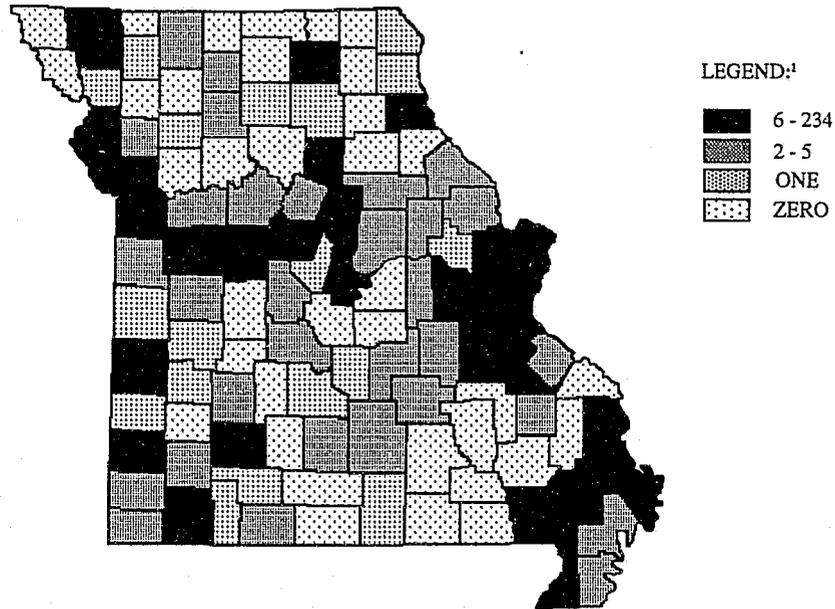
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	4	57.1	683	74.5	141	82.5	828	75.6
SPORT UTILITY VEHICLE	0	0.0	35	3.8	6	3.5	41	3.7
VAN/SMALL BUS	1	14.3	75	8.2	10	5.9	86	7.9
BUS	0	0.0	3	0.3	0	0.0	3	0.3
SCHOOL BUS	0	0.0	0	0.0	0	0.0	0	0.0
MOTORCYCLE	0	0.0	7	0.8	0	0.0	7	0.6
MOPED	0	0.0	0	0.0	0	0.0	0	0.0
MOTORHOME/CAMPER	0	0.0	0	0.0	0	0.0	0	0.0
FARM EQUIPMENT	0	0.0	0	0.0	0	0.0	0	0.0
CONSTRUCTION EQUIPMENT	0	0.0	0	0.0	0	0.0	0	0.0
OTHER TRANSPORT DEVICE	0	0.0	0	0.0	1	0.6	1	0.1
PICK-UP TRUCK	2	28.6	104	11.3	11	6.4	117	10.7
OTHER TRUCKS	0	0.0	10	1.1	2	1.2	12	1.1
ALL TERRAIN VEHICLE	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	2	-	1	-	3	-
TOTAL	7	100.0	919	100.0	172	100.0	1,098	100.0

¹This table includes all vehicle types (excluding bicycles) involved in bicycle crashes.

TABLE 3.8.12

1994 BICYCLE INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	234	21.4	19.5	DUNKLIN	9	0.8
2.0	JACKSON	171	15.7	19.5	JOHNSON	9	0.8
3.0	ST. LOUIS CITY	154	14.1	21.0	VERNON	8	0.7
4.0	GREENE	54	4.9	24.0	COOPER	7	0.6
5.0	BOONE	49	4.5	24.0	NODAWAY	7	0.6
6.0	ST. CHARLES	34	3.1	24.0	PLATTE	7	0.6
7.0	BUCHANAN	33	3.0	24.0	RANDOLPH	7	0.6
8.0	JASPER	30	2.7	24.0	SCOTT	7	0.6
9.0	CLAY	21	1.9	28.5	BARRY	6	0.5
10.0	CAPE GIRARDEAU	20	1.8	28.5	MISSISSIPPI	6	0.5
11.0	JEFFERSON	16	1.5	28.5	STODDARD	6	0.5
12.0	ST. FRANCOIS	13	1.2	28.5	WASHINGTON	6	0.5
13.0	BUTLER	12	1.1				
14.5	ADAIR	11	1.0				
14.5	FRANKLIN	11	1.0				
17.0	COLE	10	0.9				
17.0	MARION	10	0.9	33.0	AUDRAIN	5	0.5
17.0	PETTIS	10	0.9	33.0	CASS	5	0.5
				33.0	LAWRENCE	5	0.5

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
33.0	LINCOLN	5	0.5	70.5	MONITEAU	1	0.1
33.0	LIVINGSTON	5	0.5	70.5	PULASKI	1	0.1
37.5	GRUNDY	4	0.4	70.5	ST. CLAIR	1	0.1
37.5	HENRY	4	0.4	70.5	STONE	1	0.1
37.5	NEWTON	4	0.4	70.5	WARREN	1	0.1
37.5	PHELPS	4	0.4				
44.5	CALLAWAY	3	0.3				
44.5	CAMDEN	3	0.3				
44.5	MCDONALD	3	0.3				
44.5	MONTGOMERY	3	0.3				
44.5	MORGAN	3	0.3				
44.5	PEMISCOTT	3	0.3				
44.5	POLK	3	0.3				
44.5	STE. GENEVIEVE	3	0.3				
44.5	SALINE	3	0.3				
44.5	TANEY	3	0.3				
55.5	CLINTON	2	0.2				
55.5	CRAWFORD	2	0.2				
55.5	DENT	2	0.2				
55.5	GASCONADE	2	0.2				
55.5	HARRISON	2	0.2				
55.5	HOWARD	2	0.2				
55.5	LAFAYETTE	2	0.2				
55.5	MADISON	2	0.2				
55.5	NEW MADRID	2	0.2				
55.5	PIKE	2	0.2				
55.5	TEXAS	2	0.2				
55.5	WRIGHT	2	0.2				
			Second Quartile				
			Third Quartile				
70.5	ANDREW	1	0.1	97.5	ATCHISON	0	0.0
70.5	BARTON	1	0.1	97.5	BENTON	0	0.0
70.5	BATES	1	0.1	97.5	BOLLINGER	0	0.0
70.5	CALDWELL	1	0.1	97.5	CARROLL	0	0.0
70.5	CEDAR	1	0.1	97.5	CARTER	0	0.0
70.5	CHRISTIAN	1	0.1	97.5	CHARITON	0	0.0
70.5	CLARK	1	0.1	97.5	CHARTER	0	0.0
70.5	GENTRY	1	0.1	97.5	CHARITON	0	0.0
70.5	HOWELL	1	0.1	97.5	DADE	0	0.0
70.5	LACLEDE	1	0.1	97.5	DALLAS	0	0.0
70.5	LEWIS	1	0.1	97.5	DAVISS	0	0.0
70.5	LINN	1	0.1	97.5	DEKALB	0	0.0
70.5	MACON	1	0.1	97.5	DOUGLAS	0	0.0
				97.5	DOUGLAS	0	0.0
				97.5	HICKORY	0	0.0
				97.5	HOLT	0	0.0
				97.5	IRON	0	0.0
				97.5	KNOX	0	0.0
				97.5	MARIES	0	0.0
				97.5	MERCER	0	0.0
				97.5	MILLER	0	0.0
				97.5	MONROE	0	0.0
				97.5	OREGON	0	0.0
				97.5	OSAGE	0	0.0
				97.5	OZARK	0	0.0
				97.5	PERRY	0	0.0
				97.5	PUTNAM	0	0.0
				97.5	RALLS	0	0.0
				97.5	RAY	0	0.0
				97.5	REYNOLDS	0	0.0
				97.5	RIPLEY	0	0.0
				97.5	SCHUYLER	0	0.0
				97.5	SCOTLAND	0	0.0
				97.5	SHANNON	0	0.0
				97.5	SHELBY	0	0.0
				97.5	SULLIVAN	0	0.0
				97.5	WAYNE	0	0.0
				97.5	WEBSTER	0	0.0
				97.5	WORTH	0	0.0

TABLE 3.8.13

1994 BICYCLE INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	ST. LOUIS	154	16.0
2.0	KANSAS CITY	125	13.0
3.0	SPRINGFIELD	51	5.3
4.0	COLUMBIA	43	4.5
5.0	ST. JOSEPH	33	3.4
6.0	INDEPENDENCE	29	3.0
7.0	JOPLIN	20	2.1
8.0	CAPE GIRARDEAU	17	1.8
9.0	FLORISSANT	14	1.5
10.5	BLUE SPRINGS	12	1.2
10.5	UNIVERSITY CITY	12	1.2
12.5	KIRKSVILLE	11	1.1
12.5	ST. CHARLES	11	1.1
14.5	KIRKWOOD	10	1.0
14.5	WEBSTER GROVES	10	1.0
17.5	CLAYTON	9	0.9
17.5	FERGUSON	9	0.9
17.5	JEFFERSON CITY	9	0.9
17.5	POPLAR BLUFF	9	0.9
21.5	BERKELEY	8	0.8
21.5	HANNIBAL	8	0.8
21.5	NEVADA	8	0.8
21.5	O'FALLON	8	0.8
27.5	BOONEVILLE	7	0.7
27.5	GRANDVIEW	7	0.7
27.5	LEE'S SUMMIT	7	0.7
27.5	MAPLEWOOD	7	0.7
27.5	MOBERLY	7	0.7
27.5	ST. PETERS	7	0.7
27.5	SEDALIA	7	0.7
27.5	SIKESTON	7	0.7
33.5	BRENTWOOD	6	0.6
33.5	CARTHAGE	6	0.6
33.5	MARYVILLE	6	0.6
33.5	ST. ANN	6	0.6
40.5	BRIDGETON	5	0.5
40.5	CHESTERFIELD	5	0.5
40.5	CHILLICOTHE	5	0.5
40.5	CRYSTAL CITY	5	0.5
40.5	KENNETT	5	0.5
40.5	MONETT	5	0.5
40.5	OVERLAND	5	0.5
40.5	POTOSI	5	0.5
40.5	RAYTOWN	5	0.5
40.5	WARRENSBURG	5	0.5

¹Percentage is based on bicycle involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

TABLE 3.8.14

MISSOURI FATAL AND PERSONAL INJURY BICYCLE INVOLVED CRASHES ANNUAL TIME SERIES

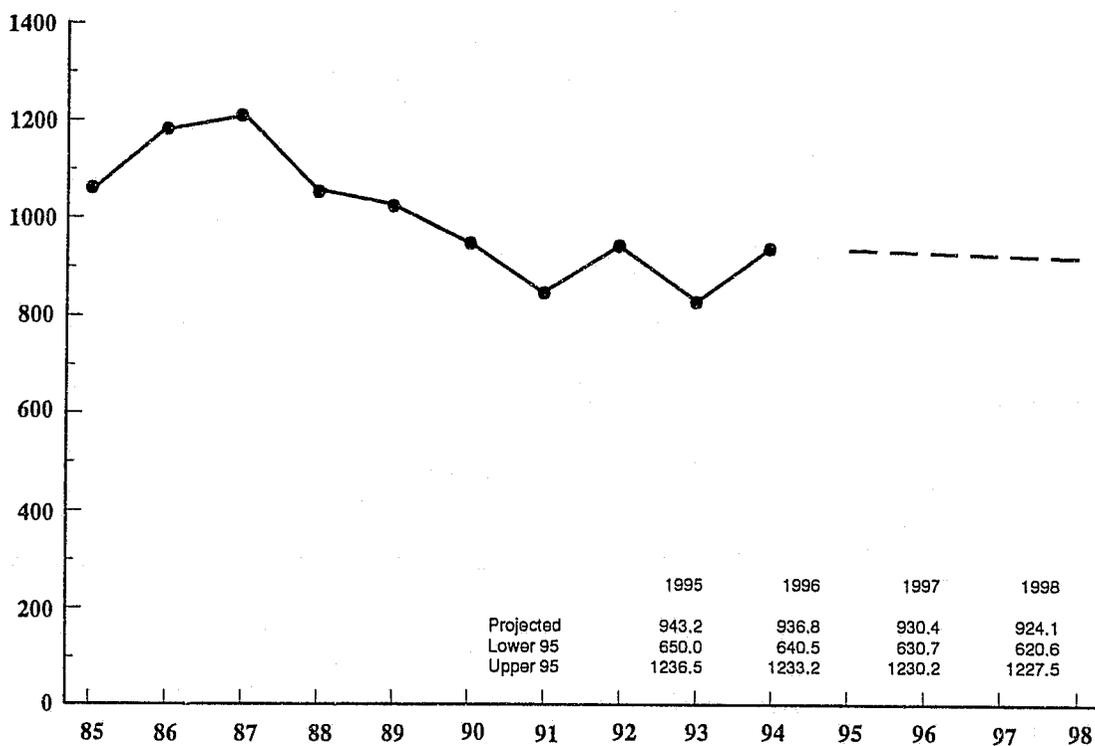


FIGURE 3.8.4

3.9 PEDESTRIAN INVOLVEMENT

This section presents a series of data displays which describe pedestrian involvement in Missouri's traffic crash experience. Pedestrian crashes are defined as any crash in which one or more pedestrians were directly involved in the incident. The pedestrian may have been involved in the first harmful event or in a secondary event associated with the traffic crash. In either case, they would be included in this analysis. Data displays also are provided which identify characteristics of the pedestrian as well as the vehicle and driver that actually struck the pedestrian.

1994 SUMMARY ANALYSIS

- Of all 1994 Missouri traffic crashes, 1.2% involved a pedestrian. Of all fatal traffic crashes, 9.1% involved a pedestrian. A total of 86 persons were killed and 2,177 were injured in traffic crashes involving a pedestrian. In these traffic crashes, all 86 persons killed were pedestrians and 2,021 of the 2,177 persons injured were pedestrians.
- There was a 1.7% decrease in the number of pedestrian related traffic crashes when comparing 1993 with 1994. However, when comparing fatal pedestrian related crashes over the same time period there was a 16.5% decrease between 1993 and 1994.
- In 1994, one person was killed or injured in pedestrian related traffic crashes every 3.9 hours in the State of Missouri.
- Of all 1994 pedestrian traffic crashes, 80.1% occurred in an urban area of the State and 19.9% occurred in a rural area. Of fatal pedestrian crashes, 48.8% occurred in a rural area.
- Of pedestrians involved in the traffic crashes, 64.6% were male and 35.4% were female. The average age of the pedestrian was 26.8 years. For those pedestrians killed the average age was 40.8 years.
- Of pedestrians 14 years and under involved in 1994 traffic crashes, 20.8% were crossing at an intersection and 28.9% were crossing the street from behind a parked vehicle. Of pedestrians 15 through 64 years of age, 29.1% were crossing at an intersection and 12.0% were standing / lying in the road. Of pedestrians 65 years and older, 40.6% were crossing at an intersection.
- Of the drivers who struck pedestrians in 1994 traffic crashes, 61.5% were male and 38.5% were female. The average age of the driver was 36.5 years. Of the drivers who struck pedestrians, 75.3% were driving an automobile and 11.4% were driving a pick-up truck.

1994 MISSOURI TRAFFIC CRASHES

PEDESTRIAN INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹ KILLED INJURED		PEDESTRIANS ² KILLED INJURED	
PEDESTRIAN INVOLVED	86	9.1	1,923	3.8	84	0.1	2,093	1.2	86	2,177	86	2,021
NO PEDESTRIAN INVOLVED	861	90.9	49,108	96.2	128,310	99.9	178,279	98.8	1,003	78,850	-	-
TOTAL	947	100.0	51,031	100.0	128,394	100.0	180,372	100.0	1,089	81,027	86	2,021

¹This statistic indicates the total number of persons killed and injured in a crash where one or more pedestrians were involved.

²This statistic indicates the number of pedestrians killed and injured.

TABLE 3.9.1

1993 and 1994 PEDESTRIAN INVOLVED CRASH ANALYSIS

	1993	1994	RATE OF CHANGE
FATAL	103	86	- 16.5
PERSONAL INJURY	1,946	1,923	- 1.2
PROPERTY DAMAGE	81	84	+ 3.7
TOTAL	2,130	2,093	- 1.7

TABLE 3.9.2

1994 PEDESTRIAN INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	44	51.2	1,556	80.9	76	90.5	1,676	80.1
RURAL	42	48.8	367	19.1	8	9.5	417	19.9
TOTAL	86	100.0	1,923	100.0	84	100.0	2,093	100.0

TABLE 3.9.3

1994 PEDESTRIAN INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	79	92.9	1,781	94.7	75	97.4	1,935	94.8
CURVE	6	7.1	99	5.3	2	2.6	107	5.2
UNKNOWN	1	-	43	-	7	-	51	-
TOTAL	86	100.0	1,923	100.0	84	100.0	2,093	100.0

TABLE 3.9.4

1994 PEDESTRIAN INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	54	64.3	1,459	78.3	65	84.4	1,578	78.0
HILL	29	34.5	383	20.6	10	13.0	422	20.9
CREST	1	1.2	21	1.1	2	2.6	24	1.2
UNKNOWN	2	-	60	-	7	-	69	-
TOTAL	86	100.0	1,923	100.0	84	100.0	2,093	100.0

TABLE 3.9.5

1994 PEDESTRIAN INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	72	83.7	1,603	84.2	70	85.4	1,745	84.2
WET	14	16.3	260	13.7	10	12.2	284	13.7
SNOW	0	0.0	20	1.1	1	1.2	21	1.0
ICE	0	0.0	22	1.2	1	1.2	23	1.1
MUD	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	18	-	2	-	20	-
TOTAL	86	100.0	1,923	100.0	84	100.0	2,093	100.0

TABLE 3.9.6

1994 PEDESTRIAN INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	18	20.9	44	2.3	1	1.2	63	3.0
U.S. HIGHWAY	11	12.8	94	4.9	3	3.6	108	5.2
STATE NUMBERED	9	10.5	149	7.8	4	4.8	162	7.7
SINGLE STATE LETTERED	5	5.8	63	3.3	2	2.4	70	3.3
DOUBLE STATE LETTERED	4	4.7	17	0.9	0	0.0	21	1.0
OUTER ROAD	1	1.2	11	0.6	1	1.2	13	0.6
COUNTY ROAD	4	4.7	160	8.3	4	4.8	168	8.0
CITY STREET	30	34.9	1,304	67.8	66	78.6	1,400	66.9
INTERSTATE LOOP	2	2.3	7	0.4	1	1.2	10	0.5
OTHER ¹	2	2.3	74	3.9	2	2.4	78	3.7
TOTAL	86	100.0	1,923	100.0	84	100.0	2,093	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.9.7

1994 PEDESTRIAN INVOLVED CRASHES

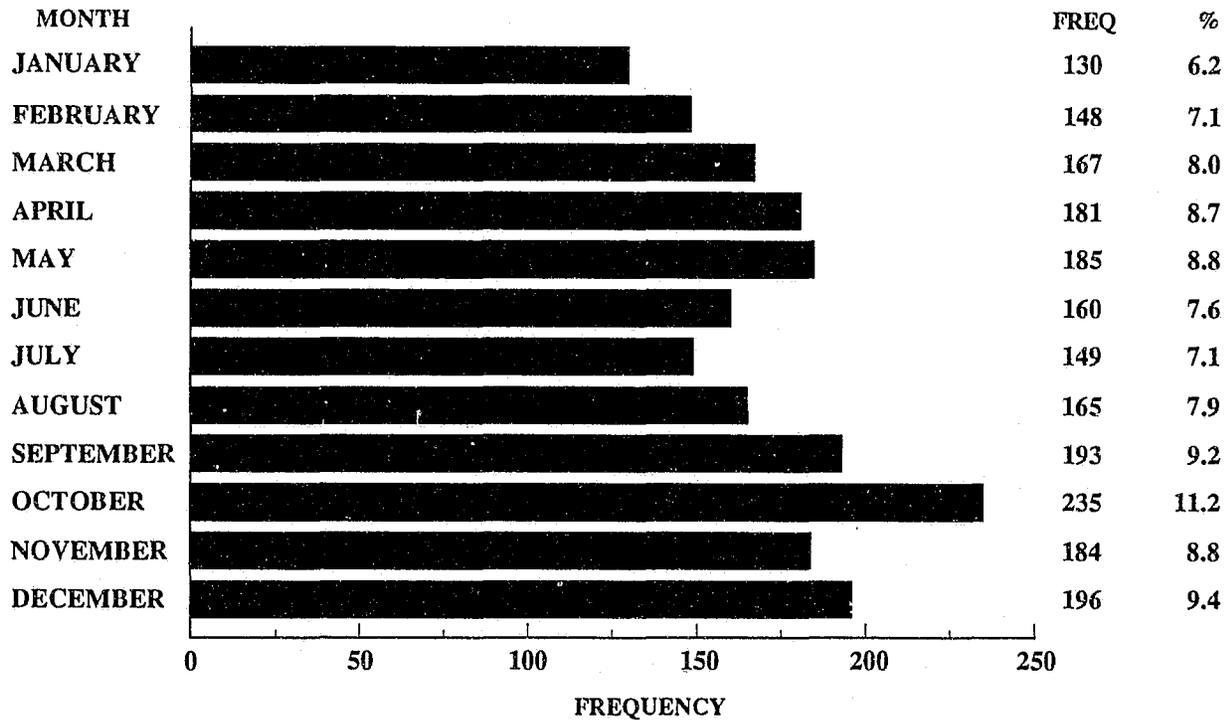
HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	9	20.5	28	1.8	1	1.3	38	2.3	9	21.4	16	4.4	0	0.0	25	6.0
U.S. HIGHWAY	3	6.8	66	4.2	1	1.3	70	4.2	8	19.1	28	7.6	2	25.0	38	9.1
STATE NUMBERED	2	4.6	85	5.5	4	5.3	91	5.4	7	16.7	64	17.4	0	0.0	71	17.0
SINGLE STATE LETTERED	0	0.0	25	1.6	2	2.6	27	1.6	5	11.9	38	10.4	0	0.0	43	10.3
DOUBLE STATE LETTERED	0	0.0	7	0.5	0	0.0	7	0.4	4	9.5	10	2.7	0	0.0	14	3.4
OUTER ROAD	0	0.0	4	0.3	0	0.0	4	0.2	1	2.4	7	1.9	1	12.5	9	2.2
COUNTY ROAD	1	2.3	50	3.2	1	1.3	52	3.1	3	7.1	110	30.0	3	37.5	116	27.8
CITY STREET	27	61.4	1,226	78.8	64	84.2	1,317	78.6	3	7.1	78	21.3	2	25.0	83	19.9
INTERSTATE LOOP	1	2.3	5	0.3	1	1.3	7	0.4	1	2.4	2	0.5	0	0.0	3	0.7
OTHER ¹	1	2.3	60	3.9	2	2.6	63	3.8	1	2.4	14	3.8	0	0.0	15	3.6
TOTAL	44	100.0	1,556	100.0	76	100.0	1,676	100.0	42	100.0	367	100.0	8	100.0	417	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.9.8

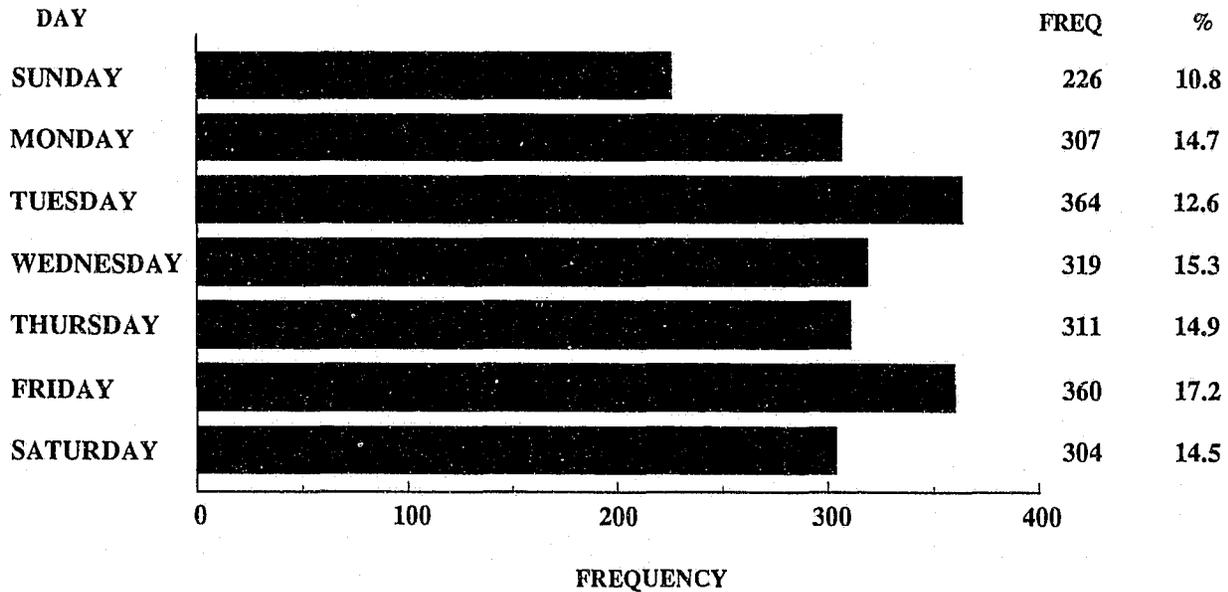
**1994 MISSOURI PEDESTRIAN INVOLVED CRASHES
MONTH OF YEAR**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.9.1

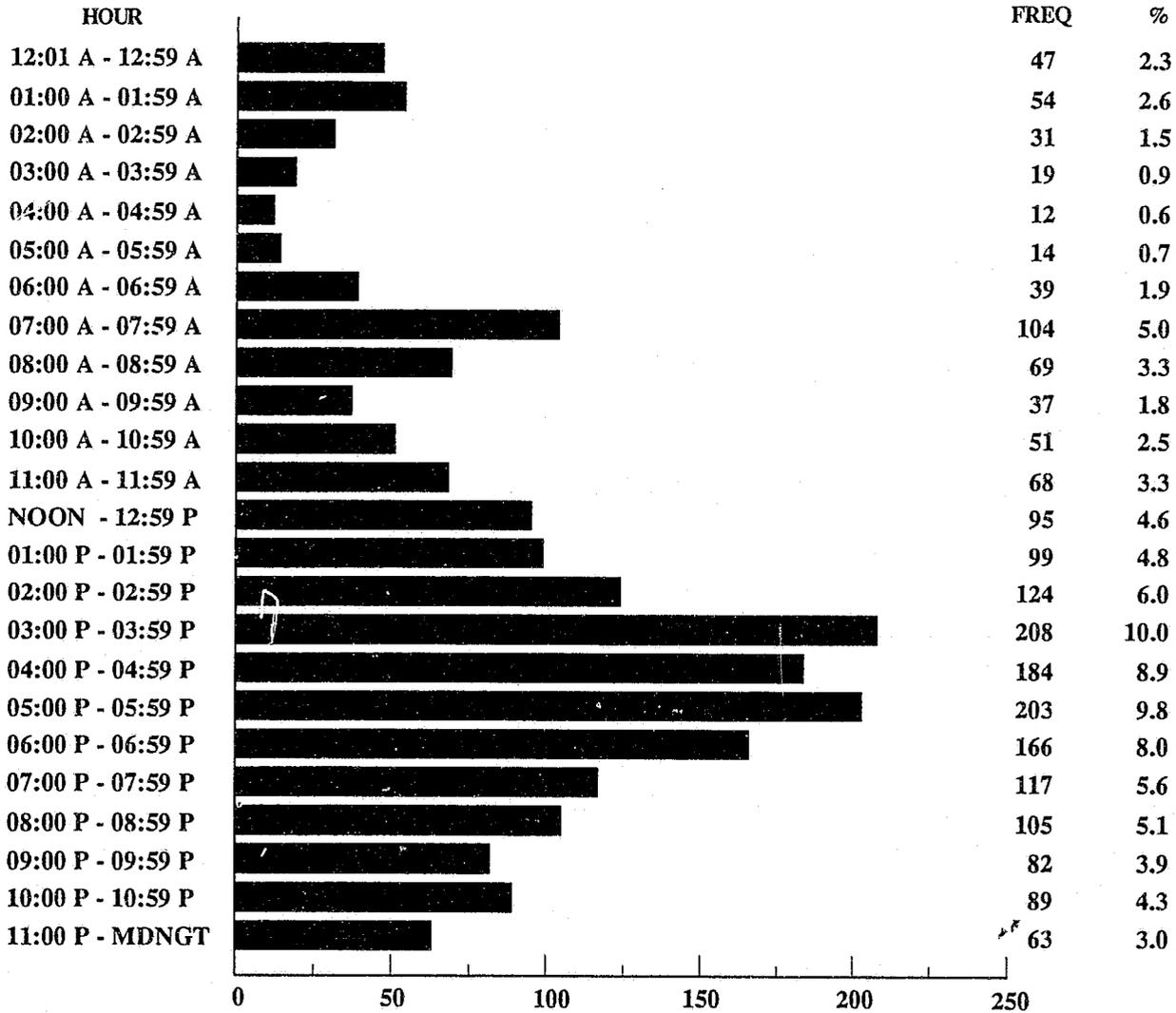
**1994 MISSOURI PEDESTRIAN INVOLVED CRASHES
DAY OF WEEK**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.9.2

1994 MISSOURI PEDESTRIAN INVOLVED CRASHES HOUR OF DAY



UNKNOWN DATA NOT INCLUDED

FIGURE 3.9.3

1994 MISSOURI PEDESTRIAN CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL PEDESTRIAN CRASHES = 86				TOTAL PEDESTRIAN CRASHES = 2,093		
	PEDESTRIAN	OTHER DRIVER/ VEHICLE	TOTAL FATAL	PEDESTRIAN	OTHER DRIVER/ VEHICLE	TOTAL CRASHES
EXCEEDING SPEED LIMIT/ TOO FAST FOR CONDITIONS	0.0	9.3	9.3	0.0	6.1	6.1
IMPROPER PASSING	0.0	0.0	0.0	0.0	0.7	0.7
VIOLATION OF STOP SIGN	0.0	1.2	1.2	0.0	1.5	1.5
WRONG SIDE NOT PASSING	0.0	1.2	1.2	0.0	0.5	0.5
FOLLOWING TOO CLOSE	0.0	1.2	1.2	0.0	0.3	0.3
IMPROPER SIGNAL	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPER BACKING	0.0	2.3	2.3	0.0	1.3	1.3
IMPROPER TURN	0.0	0.0	0.0	0.0	0.5	0.5
IMPROPER LANE USAGE/CHANGE	0.0	2.3	2.3	0.0	1.7	1.7
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPER START FROM PARK	0.0	0.0	0.0	0.0	0.6	0.6
IMPROPERLY PARKED	0.0	2.3	2.3	0.0	1.2	1.2
VEHICLE DEFECTS	0.0	2.3	2.3	0.0	2.5	2.5
FAILED TO YIELD	15.1	1.2	16.3	12.6	7.5	19.6
DRINKING	25.6	9.3	31.4	4.8	2.5	7.1
DRUGS	2.3	0.0	2.3	0.1	0.2	0.4
PHYSICAL IMPAIRMENT	0.0	0.0	0.0	0.6	0.7	1.3
INATTENTION	51.2	30.2	68.6	29.0	37.3	57.7

¹This table identifies the percentage of pedestrian crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the pedestrian as well as those attributed to other drivers and vehicles in the crash. For instance, when examining drinking involvement in 1994 Missouri fatal pedestrian crashes, it was found that a pedestrian was drinking in 25.6% of the crashes. In 9.3% of the crashes a driver was drinking. In 31.4% of the crashes either a pedestrian, a driver, or both were drinking.

TABLE 3.9.9

PEDESTRIANS INVOLVED IN 1994 MISSOURI CRASHES

SEX OF PEDESTRIAN BY PERSONAL INJURY SEVERITY

	KILLED	%	INJURED	%	NOT INJURED/ INJURY UNK.	%	TOTAL	%
MALE	60	69.8	1,290	64.1	70	70.7	1,420	64.6
FEMALE	26	30.2	724	35.9	29	29.3	779	35.4
UNKNOWN	0	-	7	-	1	-	8	-
TOTAL	86	100.0	2,021	100.0	100	100.0	2,207	100.0

TABLE 3.9.10

PEDESTRIANS INVOLVED IN 1994 MISSOURI CRASHES

AGE OF PEDESTRIAN BY PERSONAL INJURY SEVERITY

	KILLED	%	INJURED	%	NOT INJURED/ INJURY UNK.	%	TOTAL	%
AVERAGE AGE OF PEDESTRIAN	40.8	-	26.3	-	25.4	-	26.8	-
4 YEARS AND UNDER	1	1.2	132	6.7	8	9.8	141	6.6
5 - 9 YEARS	8	9.3	308	15.6	8	9.8	324	15.2
10 - 14 YEARS	2	2.3	238	12.1	7	8.5	247	11.6
15 - 19 YEARS	3	3.5	225	11.4	12	14.6	240	11.2
20 - 24 YEARS	3	3.5	191	9.7	6	7.3	200	9.4
25 - 29 YEARS	9	10.5	138	7.0	12	14.6	159	7.4
30 - 34 YEARS	6	7.0	170	8.6	6	7.3	182	8.5
35 - 39 YEARS	13	15.1	138	7.0	7	8.5	158	7.4
40 - 44 YEARS	4	4.7	125	6.4	7	8.5	136	6.4
45 - 49 YEARS	11	12.8	64	3.3	2	2.4	77	3.6
50 - 54 YEARS	6	7.0	55	2.8	3	3.7	64	3.0
55 - 59 YEARS	5	5.8	38	1.9	1	1.2	44	2.1
60 - 64 YEARS	1	1.2	23	1.2	1	1.2	25	1.2
65 YEARS AND OVER	14	16.3	125	6.4	2	2.4	141	6.6
UNKNOWN	0	-	51	-	18	-	69	-
TOTAL	86	100.0	2,021	100.0	100	100.0	2,207	100.0

TABLE 3.9.11

PEDESTRIANS INVOLVED IN 1994 MISSOURI CRASHES

PEDESTRIAN ACTIONS BY AGE GROUP

	00 - 14 YEARS	%	15 - 64 YEARS	%	65 YEARS AND OVER	%	UN- KNOWN	TOTAL	%
AT INTERSECTION - WITH SIGNAL	15	2.2	114	9.6	16	12.0	2	147	7.2
AT INTERSECTION - AGAINST SIGNAL	22	3.3	61	5.1	6	4.5	5	94	4.6
AT INTERSECTION - NO SIGNAL	94	14.0	159	13.4	31	23.3	13	297	14.5
AT INTERSECTION - DIAGONALLY	9	1.3	12	1.0	1	0.8	0	22	1.1
FROM BEHIND PARKED VEHICLE	194	28.9	141	11.9	8	6.0	3	346	16.9
WALKING WITH TRAFFIC	10	1.5	83	7.0	5	3.8	0	98	4.8
WALKING AGAINST TRAFFIC	12	1.8	53	4.5	9	6.8	3	77	3.8
GETTING ON/OFF VEHICLE	9	1.3	45	3.8	5	3.8	2	61	3.0
STANDING/LYING IN ROAD	21	3.1	142	12.0	10	7.5	9	182	8.9
PUSHING/WORKING ON VEHICLE	1	0.2	33	2.8	2	1.5	3	39	1.9
OTHER WORK IN ROAD	0	0.0	50	4.2	0	0.0	0	50	2.4
PLAYING IN ROAD	101	15.0	16	1.4	1	0.8	3	121	5.9
OTHER THAN CROSSWALK	163	24.3	218	18.4	32	24.1	8	421	20.6
NOT IN ROAD	14	2.1	48	4.0	5	3.8	2	69	3.4
IN MARKED CROSSWALK	7	1.0	13	1.1	2	1.5	0	22	1.1
UNKNOWN	40	-	97	-	8	-	16	161	-
TOTAL	712	100.0	1,285	100.0	141	100.0	69	2,207	100.0

TABLE 3.9.12

DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 1994 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	53	72.6	946	61.0	41	61.2	1,040	61.5
FEMALE	20	27.4	604	39.0	26	38.8	650	38.5
UNKNOWN	9	-	296	-	17	-	322	-
TOTAL	82	100.0	1,846	100.0	84	100.0	2,012	100.0

TABLE 3.9.13

DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 1994 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	35.0	-	36.5	-	36.3	-	36.5	-
15 YEARS AND UNDER	0	0.0	6	0.4	0	0.0	6	0.4
16 - 20 YEARS	11	15.1	255	17.2	9	14.3	275	17.0
21 - 25 YEARS	13	17.8	209	14.1	12	19.1	234	14.5
26 - 30 YEARS	6	8.2	194	13.1	10	15.9	210	13.0
31 - 35 YEARS	17	23.3	182	12.3	4	6.4	203	12.6
36 - 40 YEARS	7	9.6	147	9.9	4	6.4	158	9.8
41 - 45 YEARS	4	5.5	111	7.5	6	9.5	121	7.5
46 - 50 YEARS	1	1.4	89	6.0	7	11.1	97	6.0
51 - 55 YEARS	4	5.5	66	4.5	3	4.8	73	4.5
56 - 60 YEARS	4	5.5	51	3.5	1	1.6	56	3.5
61 - 65 YEARS	3	4.1	49	3.3	3	4.8	55	3.4
66 YEARS AND OVER	3	4.1	121	8.2	4	6.4	128	7.9
UNKNOWN	9	-	366	-	21	-	396	-
TOTAL	82	100.0	1,846	100.0	84	100.0	2,012	100.0

TABLE 3.9.14

DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 1994 MISSOURI CRASHES

TYPE OF VISION OBSTRUCTION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
WINDSHIELD OBSCURED	0	0.0	6	0.4	1	1.4	7	0.4
LOAD ON VEHICLE	0	0.0	0	0.0	0	0.0	0	0.0
TREES	1	1.3	4	0.3	0	0.0	5	0.3
BUILDING	0	0.0	4	0.3	0	0.0	4	0.2
EMBANKMENT	0	0.0	0	0.0	0	0.0	0	0.0
SIGNBOARD	0	0.0	0	0.0	0	0.0	0	0.0
HILLCREST	0	0.0	5	0.3	0	0.0	5	0.3
PARKED CARS	4	5.1	174	10.8	5	7.1	183	10.4
MOVING CARS	5	6.4	69	4.3	3	4.3	77	4.4
OTHER	8	10.3	104	6.4	1	1.4	113	6.4
NOT OBSCURED	60	76.9	1,252	77.4	60	85.7	1,372	77.7
UNKNOWN	4	-	228	-	14	-	246	-
TOTAL	82	100.0	1,846	100.0	84	100.0	2,012	100.0

TABLE 3.9.15

DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 1994 MISSOURI CRASHES

TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	45	56.3	1,391	76.3	60	72.3	1,496	75.3
SPORT UTILITY VEHICLE	4	5.0	50	2.7	4	4.8	58	2.9
VAN/SMALL BUS	7	8.8	109	6.0	3	3.6	119	6.0
BUS	3	3.8	10	0.6	1	1.2	14	0.7
SCHOOL BUS	1	1.3	12	0.7	1	1.2	14	0.7
MOTORCYCLE	0	0.0	6	0.3	0	0.0	6	0.3
MOPED	0	0.0	1	0.1	0	0.0	1	0.1
MOTORHOME/CAMPER	0	0.0	0	0.0	0	0.0	0	0.0
FARM EQUIPMENT	0	0.0	0	0.0	0	0.0	0	0.0
CONSTRUCTION EQUIPMENT	0	0.0	1	0.1	0	0.0	1	0.1
OTHER TRANSPORT DEVICE	0	0.0	4	0.2	0	0.0	4	0.2
PICK-UP TRUCK	13	16.3	203	11.1	10	12.1	226	11.4
OTHER TRUCKS	7	8.8	35	1.9	4	4.8	46	2.3
ALL TERRAIN VEHICLE	0	0.0	2	0.1	0	0.0	2	0.1
UNKNOWN	2	-	22	-	1	-	25	-
TOTAL	82	100.0	1,846	100.0	84	100.0	2,012	100.0

TABLE 3.9.16

1994 PEDESTRIAN INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	ST. LOUIS	633	35.1
2.0	KANSAS CITY	378	20.9
3.0	SPRINGFIELD	56	3.1
4.0	COLUMBIA	39	2.2
5.0	ST. JOSEPH	37	2.0
6.0	INDEPENDENCE	30	1.7
7.0	UNIVERSITY CITY	25	1.4
8.0	JOPLIN	17	0.9
9.0	ST. CHARLES	16	0.9
10.0	FLORISSANT	15	0.8
12.5	CAPE GIRARDEAU	13	0.7
12.5	CLAYTON	13	0.7
12.5	HANNIBAL	13	0.7
12.5	ST. PETERS	13	0.7
15.5	KIRKWOOD	12	0.7
15.5	WASHINGTON	12	0.7
18.5	BERKELEY	11	0.6
18.5	FERGUSON	11	0.6
18.5	POPLAR BLUFF	11	0.6
18.5	SEDALIA	11	0.6
23.0	JEFFERSON CITY	10	0.6
23.0	JENNINGS	10	0.6
23.0	OVERLAND	10	0.6
23.0	RICHMOND HEIGHTS	10	0.6
23.0	WEBSTER GROVES	10	0.6
26.0	GRANDVIEW	9	0.5

¹Percentage is based on pedestrian involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

TABLE 3.9.18

**MISSOURI FATAL AND PERSONAL INJURY PEDESTRIAN CRASHES
ANNUAL TIME SERIES**

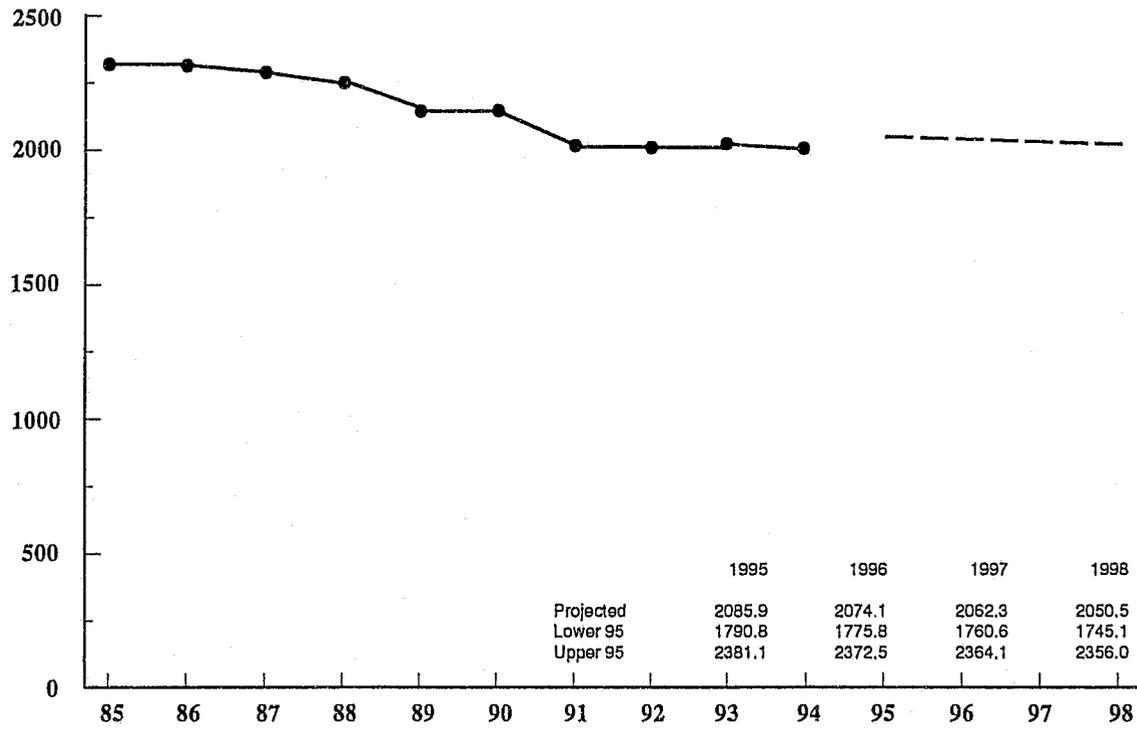


FIGURE 3.9.4

3.10 FIXED OBJECT INVOLVEMENT

This section presents a series of data displays which describe fixed object involvement in Missouri's traffic crash experience. Fixed object traffic crashes are defined as any traffic crash whose first harmful event involves a motor vehicle striking a fixed object. Crashes where a motor vehicle struck a fixed object as a result of a secondary event in a crash are not included in this analysis. Data displays also are presented which identify characteristics of the vehicle and driver striking the fixed object in the first harmful event.

1994 SUMMARY ANALYSIS

- Of all Missouri traffic crashes, 15.6% involved a fixed object being struck as part of the first harmful event. Of all fatal traffic crashes, 34.6% involved a fixed object. A total of 373 persons were killed and 14,111 were injured in fixed object crashes.
- There was an increase of 2.2% in the rate of change when comparing all 1994 fixed object related traffic crash activity with that occurring in 1993. However, when examining fatal fixed object crashes, the rate of change increased by 21.0%.
- In 1994, one person was killed or injured in a fixed object crash every 36.3 minutes in the State of Missouri.
- Of all fixed object traffic crashes, 44.8% occurred in an urban area and 55.2% occurred in a rural area of the State. Of the fatal fixed object crashes, 82.9% occurred in a rural area.
- Of all fixed object crashes, 31.8% occurred on a curve and 39.9% occurred on a hill or crest of a hill.
- In 24.4% of the cases, an embankment, culvert, or ditch was the type of object struck. In 10.7% of the incidents, a tree was struck.
- Of the vehicles striking the fixed object, 65.8% were automobiles and 18.5% were pick-up trucks.
- Of the drivers striking fixed objects, 67.3% were male and 32.7% were female. The average age of the driver was 31.5 years.
- Of the drivers striking fixed objects, 82.5% had a Missouri driver's license, 12.1% had an out-of-state driver's license, and 5.4% were unlicensed.

1994 MISSOURI TRAFFIC CRASHES

FIXED OBJECT INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹ KILLED INJURED		DRIVERS/PASSENGERS OF VEHICLES STRIKING FIXED OBJECTS ² KILLED INJURED	
FIXED OBJECT INVOLVED	328	34.6	10,074	19.7	17,777	13.9	28,179	15.6	373	14,111	368	13,915
NO FIXED OBJECT INVOLVED	619	65.4	40,957	80.3	110,617	86.1	152,193	84.4	716	66,916	-	-
TOTAL	947	100.0	51,031	100.0	128,394	100.0	180,372	100.0	1,089	81,027	368	13,915

¹This statistic indicates the total number of persons killed and injured in a crash where a fixed object was struck during the first harmful event in a crash.

²This statistic indicates the number of drivers and passengers of vehicles striking fixed objects during the first harmful event in a crash who were killed and injured.

TABLE 3.10.1

1993 and 1994 FIXED OBJECT CRASH ANALYSIS

	1993	1994	RATE OF CHANGE
FATAL	271	328	+ 21.0
PERSONAL INJURY	9,387	10,074	+ 7.3
PROPERTY DAMAGE	17,911	17,777	- 0.7
TOTAL	27,569	28,179	+ 2.2

TABLE 3.10.2

1994 FIXED OBJECT CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	56	17.1	3,491	34.7	9,067	51.0	12,614	44.8
RURAL	272	82.9	6,583	65.3	8,710	49.0	15,565	55.2
TOTAL	328	100.0	10,074	100.0	17,777	100.0	28,179	100.0

TABLE 3.10.3

1994 FIXED OBJECT CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	189	57.8	6,392	63.9	11,726	70.9	18,307	68.2
CURVE	138	42.2	3,611	36.1	4,803	29.1	8,552	31.8
UNKNOWN	1	-	71	-	1,248	-	1,320	-
TOTAL	328	100.0	10,074	100.0	17,777	100.0	28,179	100.0

TABLE 3.10.4

1994 FIXED OBJECT CRASHES
ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	150	45.9	5,542	55.5	10,375	63.1	16,067	60.0
HILL	171	52.3	4,241	42.5	5,735	34.9	10,147	37.9
CREST	6	1.8	200	2.0	339	2.1	545	2.0
UNKNOWN	1	-	91	-	1,328	-	1,420	-
TOTAL	328	100.0	10,074	100.0	17,777	100.0	28,179	100.0

TABLE 3.10.5

1994 FIXED OBJECT CRASHES
ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	266	81.4	7,337	73.1	11,429	65.0	19,032	68.1
WET	55	16.8	2,127	21.2	4,469	25.4	6,651	23.8
SNOW	1	0.3	182	1.8	580	3.3	763	2.7
ICE	5	1.5	384	3.8	1,081	6.1	1,470	5.3
MUD	0	0.0	14	0.1	36	0.2	50	0.2
UNKNOWN	1	-	30	-	182	-	213	-
TOTAL	328	100.0	10,074	100.0	17,777	100.0	28,179	100.0

TABLE 3.10.6

1994 FIXED OBJECT CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	44	13.4	1,424	14.1	2,520	14.2	3,988	14.2
U.S. HIGHWAY	42	12.8	916	9.1	1,517	8.5	2,475	8.8
STATE NUMBERED	78	23.8	1,659	16.5	2,316	13.0	4,053	14.4
SINGLE STATE LETTERED	58	17.7	1,370	13.6	1,316	7.4	2,744	9.7
DOUBLE STATE LETTERED	26	7.9	560	5.6	531	3.0	1,117	4.0
OUTER ROAD	0	0.0	97	1.0	194	1.1	291	1.0
COUNTY ROAD	48	14.6	1,776	17.6	2,572	14.5	4,396	15.6
CITY STREET	28	8.5	2,072	20.6	6,097	34.3	8,197	29.1
INTERSTATE LOOP	1	0.3	13	0.1	53	0.3	67	0.2
OTHER ¹	3	0.9	187	1.9	661	3.7	851	3.0
TOTAL	328	100.0	10,074	100.0	17,777	100.0	28,179	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.10.7

1994 FIXED OBJECT CRASHES

HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	14	25.0	760	21.8	1,397	15.4	2,171	17.2	30	11.0	664	10.1	1,123	12.9	1,817	11.7
U.S. HIGHWAY	7	12.5	270	7.7	557	6.1	834	6.6	35	12.9	646	9.8	960	11.0	1,641	10.5
STATE NUMBERED	2	3.6	231	6.6	532	5.9	765	6.1	76	27.9	1,428	21.7	1,784	20.5	3,288	21.1
SINGLE STATE LETTERED	4	7.1	57	1.6	114	1.3	175	1.4	54	19.9	1,313	20.0	1,202	13.8	2,569	16.5
DOUBLE STATE LETTERED	2	3.6	28	0.8	73	0.8	103	0.8	24	8.8	532	8.1	458	5.3	1,014	6.5
OUTER ROAD	0	0.0	50	1.4	117	1.3	167	1.3	0	0.0	47	0.7	77	0.9	124	0.8
COUNTY ROAD	3	5.4	132	3.8	306	3.4	441	3.5	45	16.5	1,644	25.0	2,266	26.0	3,955	25.4
CITY STREET	23	41.1	1,863	53.4	5,501	60.7	7,387	58.6	5	1.8	209	3.2	596	6.8	810	5.2
INTERSTATE LOOP	0	0.0	11	0.3	39	0.4	50	0.4	1	0.4	2	0.0	14	0.2	17	0.1
OTHER ¹	1	1.8	89	2.5	431	4.8	521	4.1	2	0.7	98	1.5	230	2.6	330	2.1
TOTAL	56	100.0	3,491	100.0	9,067	100.0	12,614	100.0	272	100.0	6,583	100.0	8,710	100.0	15,565	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.10.8

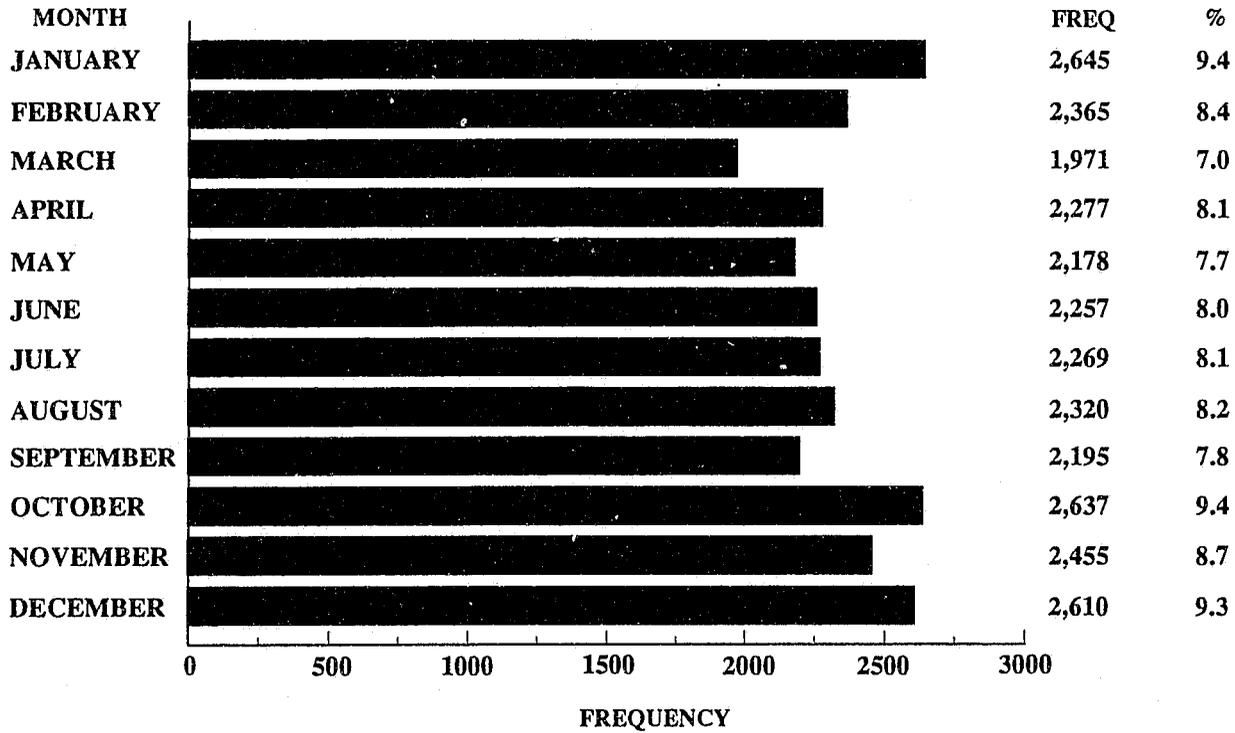
1994 FIXED OBJECT CRASHES

TYPE OF OBJECT STRUCK BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
TREE	63	19.3	1,466	14.6	1,472	8.3	3,001	10.7
EMBANKMENT	88	26.9	1,874	18.7	1,446	8.2	3,408	12.2
GUARD RAIL FACE	17	5.2	485	4.8	986	5.6	1,488	5.3
GUARD RAIL END	10	3.1	92	0.9	121	0.7	223	0.8
UTILITY POLE	15	4.6	897	8.9	1,326	7.5	2,238	8.0
FENCE	13	4.0	609	6.1	1,816	10.3	2,438	8.7
STREET LIGHT SUPPORT	3	0.9	246	2.5	699	4.0	948	3.4
CULVERT	18	5.5	403	4.0	349	2.0	770	2.8
TRAFFIC SIGN POST	25	7.7	589	5.9	1,984	11.2	2,598	9.3
PIER/ABUTMENT	4	1.2	123	1.2	168	1.0	295	1.1
CURB	8	2.5	215	2.1	756	4.3	979	3.5
MAILBOX	5	1.5	247	2.5	790	4.5	1,042	3.7
CONCRETE TRAF. BARRIER	2	0.6	133	1.3	238	1.4	373	1.3
BUILDING	1	0.3	110	1.1	424	2.4	535	1.9
TRAFFIC SIGNAL SUPPORT	2	0.6	108	1.1	457	2.6	567	2.0
IMPACT ATTENUATOR	1	0.3	17	0.2	41	0.2	59	0.2
FIRE HYDRANT	0	0.0	80	0.8	400	2.3	480	1.7
BRIDGE PARAPET END	6	1.8	51	0.5	42	0.2	99	0.4
BRIDGE RAIL	5	1.5	128	1.3	213	1.2	346	1.2
MEDIAN BARRIER	2	0.6	428	4.3	657	3.7	1,087	3.9
OVERHEAD SIGN SUPPORT	0	0.0	2	0.0	9	0.1	11	0.0
DITCH	27	8.3	1,118	11.1	1,499	8.5	2,644	9.4
OTHER POST	2	0.6	44	0.4	138	0.8	184	0.7
WALL	3	0.9	130	1.3	262	1.5	395	1.4
OTHER	7	2.1	447	4.5	1,386	7.8	1,840	6.6
FIXED OBJECT TYPE UNKNOWN	1	-	32	-	98	-	131	-
TOTAL	328	100.0	10,074	100.0	17,777	100.0	28,179	100.0

TABLE 3.10.9

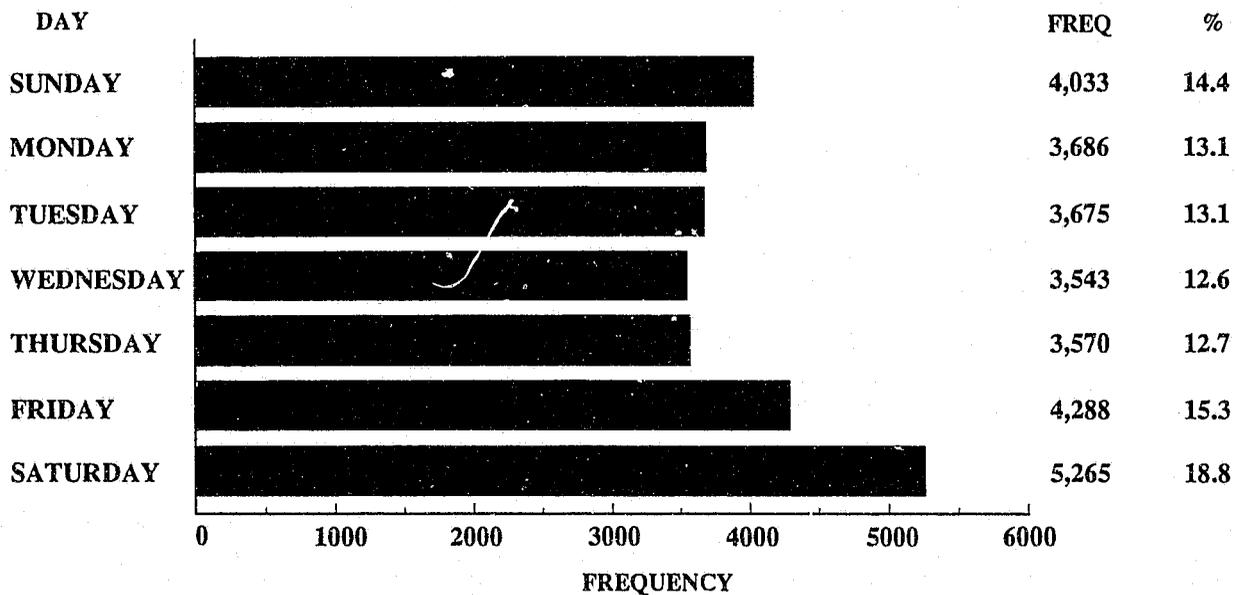
**1994 MISSOURI FIXED OBJECT CRASHES
MONTH OF YEAR**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.10.1

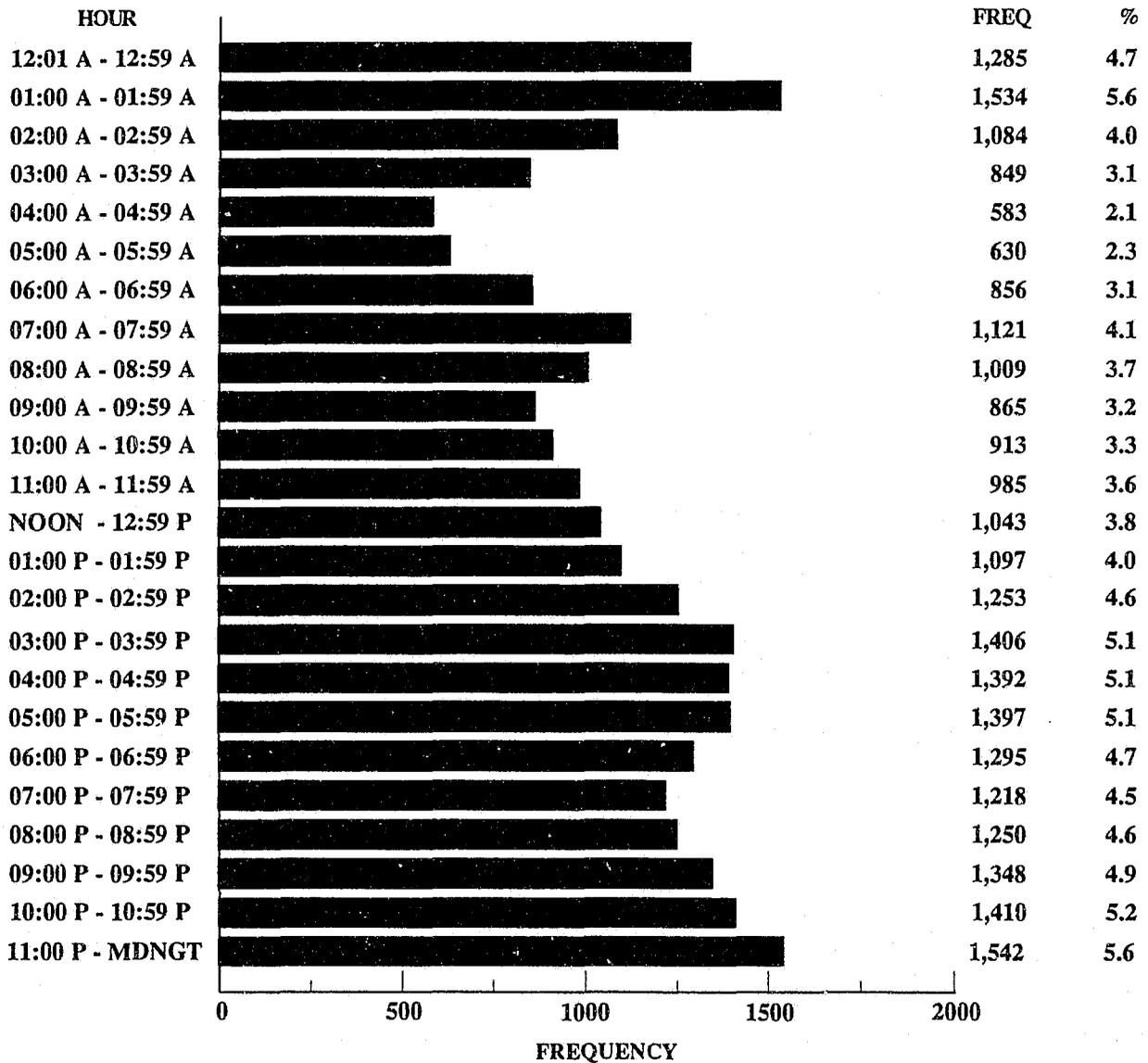
**1994 MISSOURI FIXED OBJECT CRASHES
DAY OF WEEK**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.10.2

1994 MISSOURI FIXED OBJECT CRASHES HOUR OF DAY



UNKNOWN DATA NOT INCLUDED

FIGURE 3.10.3

1994 MISSOURI FIXED OBJECT CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL FIXED OBJECT CRASHES = 328				TOTAL FIXED OBJECT CRASHES = 28,179		
	VEHICLE/DRIVER STRIKING OBJ.	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	VEHICLE/DRIVER STRIKING OBJ.	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	50.9	0.0	50.9	38.0	0.1	38.1
IMPROPER PASSING	1.2	0.0	1.2	0.5	0.0	0.6
VIOLATION OF STOP SIGN	0.6	0.0	0.6	1.1	0.0	1.1
WRONG SIDE NOT PASSING	12.8	0.0	12.8	4.0	0.0	4.1
FOLLOWING TOO CLOSE	0.3	0.0	0.3	0.6	0.0	0.6
IMPROPER SIGNAL	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPER BACKING	0.0	0.0	0.0	0.7	0.0	0.7
IMPROPER TURN	0.0	0.0	0.0	1.8	0.0	1.8
IMPROPER LANE USAGE/CHANGE	3.4	0.0	3.4	2.2	0.0	2.2
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	0.1	0.0	0.1
IMPROPER START FROM PARK	0.0	0.0	0.0	0.2	0.0	0.2
IMPROPERLY PARKED	0.0	0.0	0.0	0.4	0.0	0.4
VEHICLE DEFECTS	1.2	0.0	1.2	4.9	0.0	4.9
FAILED TO YIELD	0.0	0.0	0.0	0.5	0.0	0.6
DRINKING	32.3	0.0	32.3	15.0	0.0	15.0
DRUGS	2.4	0.0	2.4	0.8	0.0	0.8
PHYSICAL IMPAIRMENT	6.7	0.0	6.7	4.1	0.0	4.1
INATTENTION	58.5	0.0	58.5	48.2	0.1	48.3

¹This table identifies the proportion of fixed object crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the proportion of crashes where the contributing circumstance was associated with the driver or vehicle striking the fixed object as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 1994 Missouri fixed object crashes, it was found that the driver of the vehicle striking the fixed object was speeding in 38.0% of the crashes. In 0.1% of the crashes another driver was speeding. In 38.1% of the crashes either the driver of the vehicle striking the fixed object, another driver, or both drivers were speeding.

TABLE 3.10.10

1994 MISSOURI FIXED OBJECT CRASHES¹

TYPE OF VEHICLE STRIKING FIXED OBJECT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	202	61.6	6,742	66.9	11,224	65.2	18,168	65.8
SPORT UTILITY VEHICLE	23	7.0	433	4.3	672	3.9	1,128	4.1
VAN/SMALL BUS	9	2.7	391	3.9	709	4.1	1,109	4.0
BUS	0	0.0	10	0.1	43	0.3	53	0.2
SCHOOL BUS	0	0.0	8	0.1	45	0.3	53	0.2
MOTORCYCLE	9	2.7	149	1.5	14	0.1	172	0.6
MOPED	0	0.0	2	0.0	0	0.0	2	0.0
MOTORHOME/CAMPER	0	0.0	5	0.1	20	0.1	25	0.1
FARM EQUIPMENT	0	0.0	4	0.0	9	0.1	13	0.1
CONSTRUCTION EQUIPMENT	0	0.0	2	0.0	23	0.1	25	0.1
OTHER TRANSPORT DEVICE	0	0.0	4	0.0	22	0.1	26	0.1
PICK-UP TRUCK	73	22.3	2,048	20.3	3,000	17.4	5,121	18.5
OTHER TRUCKS	11	3.4	262	2.6	1,437	8.4	1,710	6.2
ALL TERRAIN VEHICLE	1	0.3	11	0.1	0	0.0	12	0.0
UNKNOWN	0	-	3	-	563	-	566	-
TOTAL	328	100.0	10,074	100.0	17,781	100.0	28,183	100.0

¹This table includes only those vehicles striking a fixed object during the first harmful event in a crash.

TABLE 3.10.11

VEHICLES STRIKING FIXED OBJECTS IN 1994 MISSOURI CRASHES¹

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	9	0.1	267	1.5	276	1.0
KNOWN DRIVER INVOLVED	326	99.4	9,996	99.2	15,105	85.0	25,427	90.2
UNKNOWN DRIVER INVOLVED	2	0.6	69	0.7	2,409	13.5	2,480	8.8
TOTAL	328	100.0	10,074	100.0	17,781	100.0	28,183	100.0

¹This table includes only vehicles striking fixed objects during the first harmful event in a crash.

TABLE 3.10.12

DRIVERS OF VEHICLES STRIKING FIXED OBJECTS IN 1994 MISSOURI CRASHES¹

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	252	77.3	6,402	64.0	9,987	69.4	16,641	67.3
FEMALE	74	22.7	3,598	36.0	4,399	30.6	8,071	32.7
UNKNOWN	2	-	65	-	3,128	-	3,195	-
TOTAL	328	100.0	10,065	100.0	17,514	100.0	27,907	100.0

¹The table includes only drivers of vehicles striking fixed objects during the first harmful event in a crash.

TABLE 3.10.13

DRIVERS OF VEHICLES STRIKING FIXED OBJECTS IN 1994 MISSOURI CRASHES¹

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	34.8	-	30.9	-	31.9	-	31.5	-
15 YEARS AND UNDER	7	2.2	100	1.0	151	1.0	258	1.0
16 - 20 YEARS	79	24.2	2,975	30.0	3,873	25.9	6,927	27.5
21 - 25 YEARS	52	16.0	1,704	17.2	2,502	16.8	4,258	16.9
26 - 30 YEARS	37	11.4	1,146	11.6	1,804	12.1	2,987	11.9
31 - 35 YEARS	27	8.3	1,075	10.8	1,750	11.7	2,852	11.3
36 - 40 YEARS	28	8.6	794	8.0	1,374	9.2	2,196	8.7
41 - 45 YEARS	17	5.2	607	6.1	1,024	6.9	1,648	6.5
46 - 50 YEARS	15	4.6	443	4.5	755	5.1	1,213	4.8
51 - 55 YEARS	11	3.4	277	2.8	489	3.3	777	3.1
56 - 60 YEARS	12	3.7	203	2.1	335	2.2	550	2.2
61 - 65 YEARS	11	3.4	174	1.8	266	1.8	451	1.8
66 YEARS AND OVER	30	9.2	428	4.3	618	4.1	1,076	4.3
UNKNOWN	2	-	139	-	2,573	-	2,714	-
TOTAL	328	100.0	10,065	100.0	17,514	100.0	27,907	100.0

¹This table includes only drivers of vehicles striking fixed objects during the first harmful event in a crash.

TABLE 3.10.14

DRIVERS OF VEHICLES STRIKING FIXED OBJECTS IN 1994 MISSOURI CRASHES¹

DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

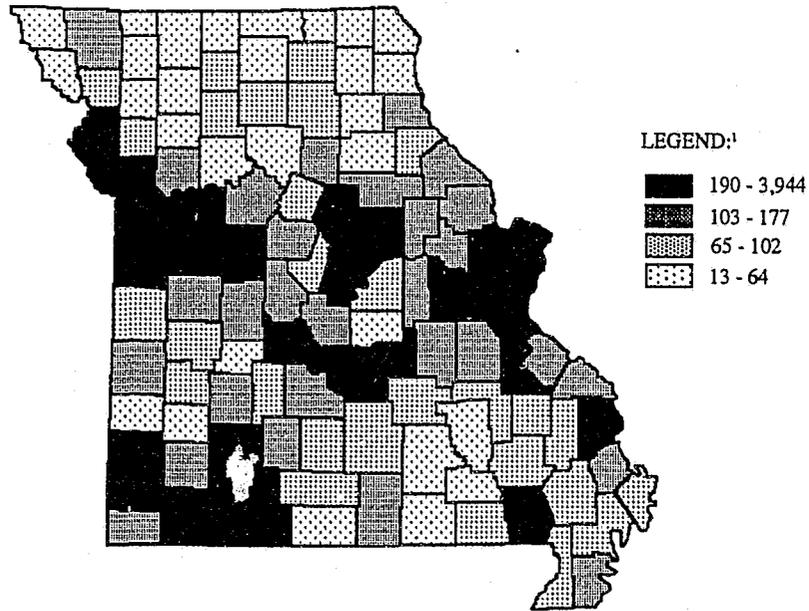
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	1	0.3	56	0.6	84	0.6	141	0.6
FOR HIRE	7	2.2	222	2.3	366	2.7	595	2.6
OPERATOR'S LICENSE	232	72.1	7,340	76.9	9,689	72.0	17,261	74.0
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	14	4.4	351	3.7	898	6.7	1,263	5.4
SUB-TOTAL	254	78.9	7,969	83.4	11,037	82.0	19,260	82.5
OUT STATE								
LEARNER'S PERMIT	0	0.0	5	0.1	6	0.0	11	0.1
FOR HIRE	0	0.0	8	0.1	19	0.1	27	0.1
OPERATOR'S LICENSE	29	9.0	865	9.1	1,334	9.9	2,228	9.6
MOTORCYCLE ONLY	0	0.0	0	0.0	1	0.0	1	0.0
COMMERCIAL DRIVER'S LICENSE	3	0.9	74	0.8	479	3.6	556	2.4
SUB-TOTAL	32	9.9	952	10.0	1,839	13.7	2,823	12.1
UNLICENSED	36	11.2	630	6.6	591	4.4	1,257	5.4
UNKNOWN	6	-	514	-	4,047	-	4,567	-
TOTAL	328	100.0	10,065	100.0	17,514	100.0	27,907	100.0

¹This table includes only drivers of vehicles striking fixed objects during the first harmful event in a crash.

TABLE 3.10.15

1994 FIXED OBJECT INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	3,944	14.0	19.0	CALLAWAY	258	0.9
2.0	JACKSON	3,731	13.2	20.5	LAFAYETTE	257	0.9
3.0	ST. LOUIS CITY	2,298	8.2	20.5	PHELPS	257	0.9
4.0	JEFFERSON	1,221	4.3	22.0	JOHNSON	254	0.9
5.0	GREENE	1,145	4.1	23.0	CAMDEN	210	0.7
6.0	CLAY	943	3.3	24.0	PETTIS	203	0.7
7.0	ST. CHARLES	935	3.3	26.0	BUTLER	200	0.7
8.0	FRANKLIN	635	2.3	26.0	PULASKI	200	0.7
9.0	BOONE	488	1.7	26.0	STONE	200	0.7
10.0	PLATTE	461	1.6	28.0	CHRISTIAN	197	0.7
11.0	JASPER	425	1.5	29.0	BARRY	190	0.7
12.0	BUCHANAN	357	1.4				
13.0	CAPE GIRARDEAU	375	1.3				
14.0	COLE	356	1.3				
15.0	ST. FRANCOIS	321	1.1				
16.0	NEWTON	313	1.1	30.0	LAWRENCE	177	0.6
17.0	TANEY	303	1.1	31.0	SCOTT	170	0.6
18.0	CASS	298	1.1	32.0	SALINE	168	0.6
				33.5	MCDONALD	151	0.5

1994 FIXED OBJECT INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	3,140	21.9
2.0	ST. LOUIS	2,298	16.0
3.0	SPRINGFIELD	687	4.8
4.0	INDEPENDENCE	467	3.3
5.0	ST. JOSEPH	297	2.1
6.0	COLUMBIA	263	1.8
7.0	ST. CHARLES	225	1.6
8.0	JEFFERSON CITY	208	1.5
9.0	CAPE GIRARDEAU	186	1.3
10.5	LEE'S SUMMIT	170	1.2
10.5	ST. PETERS	170	1.2
12.0	CHESTERFIELD	169	1.2
13.0	BLUE SPRINGS	163	1.1
14.0	MARYLAND HEIGHTS	132	0.9
15.0	JOPLIN	125	0.9
16.0	BERKELEY	117	0.8
17.0	O'FALLON	116	0.8
18.5	ARNOLD	114	0.8
18.5	RICHMOND HEIGHTS	114	0.8
20.0	TOWN AND COUNTRY	109	0.8
21.0	BRIDGETON	107	0.7
22.0	UNIVERSITY CITY	102	0.7
23.0	FLORISSANT	98	0.7
24.5	KIRKWOOD	97	0.7
24.5	LIBERTY	97	0.7
26.0	HAZELWOOD	96	0.7
27.0	WEBSTER GROVES	94	0.7
28.0	RAYTOWN	77	0.5
29.5	FERGUSON	75	0.5
29.5	HANNIBAL	75	0.5
31.0	WENTZVILLE	72	0.5
32.5	CREVE COEUR	71	0.5
32.5	POPLAR BLUFF	71	0.5
34.0	SUNSET HILLS	68	0.5
35.0	GRANDVIEW	67	0.5
36.0	FENTON	66	0.5
38.0	EXCELSIOR SPRINGS	65	0.5
38.0	LADUE	65	0.5
38.0	NORTH KANSAS CITY	65	0.5

¹Percentage is based on fixed object involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

TABLE 3.10.17

**MISSOURI FATAL AND PERSONAL INJURY FIXED OBJECT CRASHES
ANNUAL TIME SERIES**

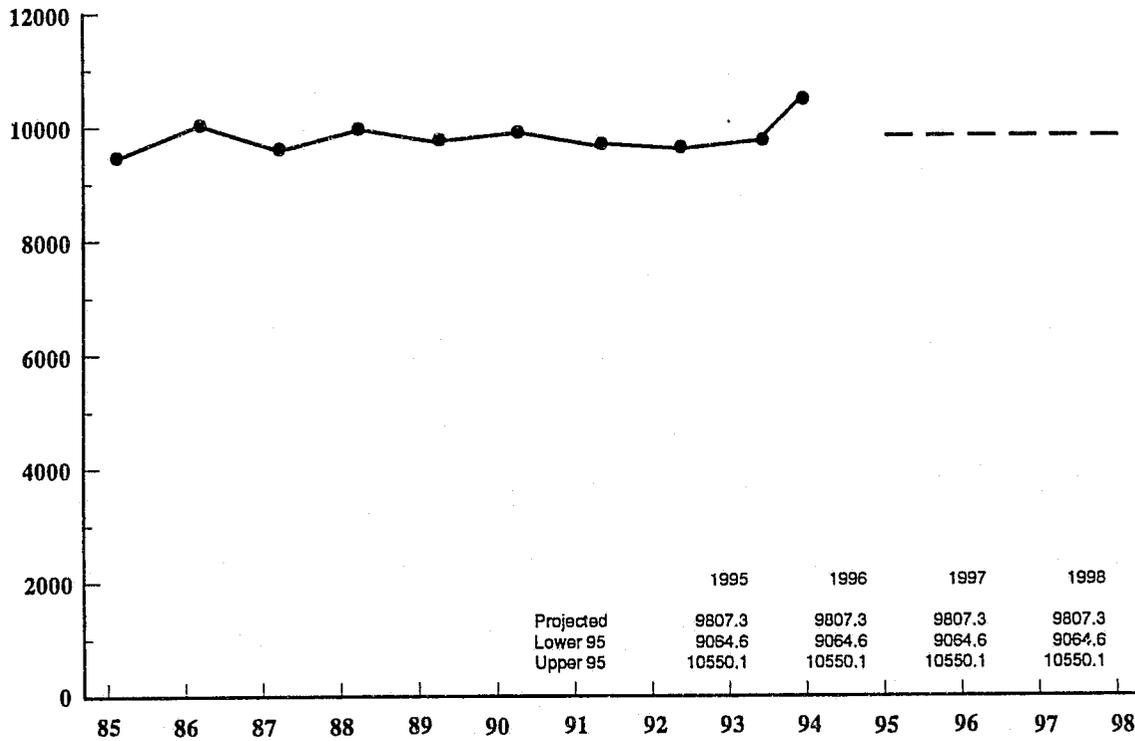


FIGURE 3.10.4

3.11 HAZARDOUS MATERIAL INVOLVEMENT

This section presents a series of data displays which identify hazardous material involvement in Missouri's traffic crash experience. Hazardous material traffic crashes are defined as any crash in which one or more of the vehicles involved were carrying hazardous materials. Data displays also are provided which identify characteristics about the type of hazardous material being carried as well as the vehicle and driver transporting the material.

1994 SUMMARY ANALYSIS

- Of all 1994 Missouri traffic crashes, 0.1% involved hazardous materials. Of all fatal traffic crashes, 1.2% were hazardous material related. A total of 11 persons were killed and 142 were injured in traffic crashes involving hazardous materials.
- In 1994, one person was killed or injured in hazardous material involved traffic crashes every 2.4 days in the State of Missouri.
- Of all 1994 hazardous material traffic crashes, the first harmful event in 69.6% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. The first harmful event in 12.2% of the cases was a motor vehicle overturning and in 10.3% of the incidents, it was a motor vehicle in transport striking a fixed object.
- Of all 1994 hazardous material traffic crashes, 29.9% occurred in urban areas and 70.1% occurred in rural areas of the State. All of the fatal crashes occurred in a rural area.
- Of all vehicles carrying hazardous materials involved in traffic crashes, 56.7% were two-unit trucks and 27.9% were single unit trucks.
- Of all vehicles carrying hazardous materials, 13.0% had their materials released as a result of the traffic crash.
- Of the drivers transporting hazardous materials involved in 1994 traffic crashes, 98.1% were male and 1.9% were female. The average age of the driver was 41.7 years.
- Of the drivers, 64.0% had a Missouri driver's license and 36.0% had an out-of-state driver's license.

**1994 MISSOURI TRAFFIC CRASHES
HAZARDOUS MATERIAL INVOLVEMENT**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹ KILLED INJURED		DRIVERS/PASSENGERS OF VEHICLES CARRYING HAZARDOUS MATERIALS ² KILLED INJURED	
HAZARDOUS MATERIALS INVOLVED	11	1.2	93	0.2	110	0.1	214	0.1	11	142	4	42
NO HAZARDOUS MATERIALS INVOLVED	936	98.8	50,938	99.8	128,284	99.9	180,158	99.9	1,078	80,885	-	-
TOTAL	947	100.0	51,031	100.0	128,394	100.0	180,372	100.0	1,089	81,027	4	42

¹This statistic indicates the total number of persons killed and injured in a crash where hazardous materials were involved.

²This statistic indicates the number of drivers and passengers of vehicles carrying hazardous materials killed and injured.

TABLE 3.11.1

1993 and 1994 HAZARDOUS MATERIAL INVOLVED CRASH ANALYSIS

	1993	1994	RATE OF CHANGE
FATAL	3	11	+266.7
PERSONAL INJURY	67	93	+ 38.8
PROPERTY DAMAGE	121	110	- 9.1
TOTAL	191	214	+ 12.0

TABLE 3.11.2

1994 HAZARDOUS MATERIAL INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	0	0.0	1	0.9	1	0.5
BICYCLIST	0	0.0	0	0.0	0	0.0	0	0.0
FIXED OBJECT	2	18.2	8	8.6	12	10.9	22	10.3
OTHER OBJECT	0	0.0	1	1.1	1	0.9	2	0.9
PEDESTRIAN	1	9.1	0	0.0	0	0.0	1	0.5
TRAIN	1	9.1	3	3.2	0	0.0	4	1.9
VEHICLE IN TRANSPORT	6	54.6	66	71.0	77	70.0	149	69.6
VEHICLE ON OTHER ROADWAY	0	0.0	0	0.0	0	0.0	0	0.0
PARKED VEHICLE	0	0.0	3	3.2	1	0.9	4	1.9
NON-COLLISION OVERTURN	1	9.1	11	11.8	14	12.7	26	12.2
NON-COLLISION OTHER	0	0.0	1	1.1	4	3.6	5	2.3
TOTAL	11	100.0	93	100.0	110	100.0	214	100.0

TABLE 3.11.3

1994 HAZARDOUS MATERIAL INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	0	0.0	36	38.7	28	25.5	64	29.9
RURAL	11	100.0	57	61.3	82	74.5	150	70.1
TOTAL	11	100.0	93	100.0	110	100.0	214	100.0

TABLE 3.11.4

1994 HAZARDOUS MATERIAL INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	5	45.5	76	81.7	89	80.9	170	79.4
CURVE	6	54.5	17	18.3	21	19.1	44	20.6
UNKNOWN	0	-	0	-	0	-	0	-
TOTAL	11	100.0	93	100.0	110	100.0	214	100.0

TABLE 3.11.5

1994 HAZARDOUS MATERIAL INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	3	27.3	60	64.5	67	61.5	130	61.0
HILL	7	63.6	31	33.3	41	37.6	79	37.1
CREST	1	9.1	2	2.2	1	0.9	4	1.9
UNKNOWN	0	-	0	-	1	-	1	-
TOTAL	11	100.0	93	100.0	110	100.0	214	100.0

TABLE 3.11.6

1994 HAZARDOUS MATERIAL INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	8	72.7	76	81.7	81	73.6	165	77.1
WET	3	27.3	12	12.9	17	15.5	32	15.0
SNOW	0	0.0	0	0.0	5	4.6	5	2.3
ICE	0	0.0	4	4.3	7	6.4	11	5.1
MUD	0	0.0	1	1.1	0	0.0	1	0.5
UNKNOWN	0	-	0	-	0	-	0	-
TOTAL	11	100.0	93	100.0	110	100.0	214	100.0

TABLE 3.11.7

1994 HAZARDOUS MATERIAL INVOLVED CRASHES

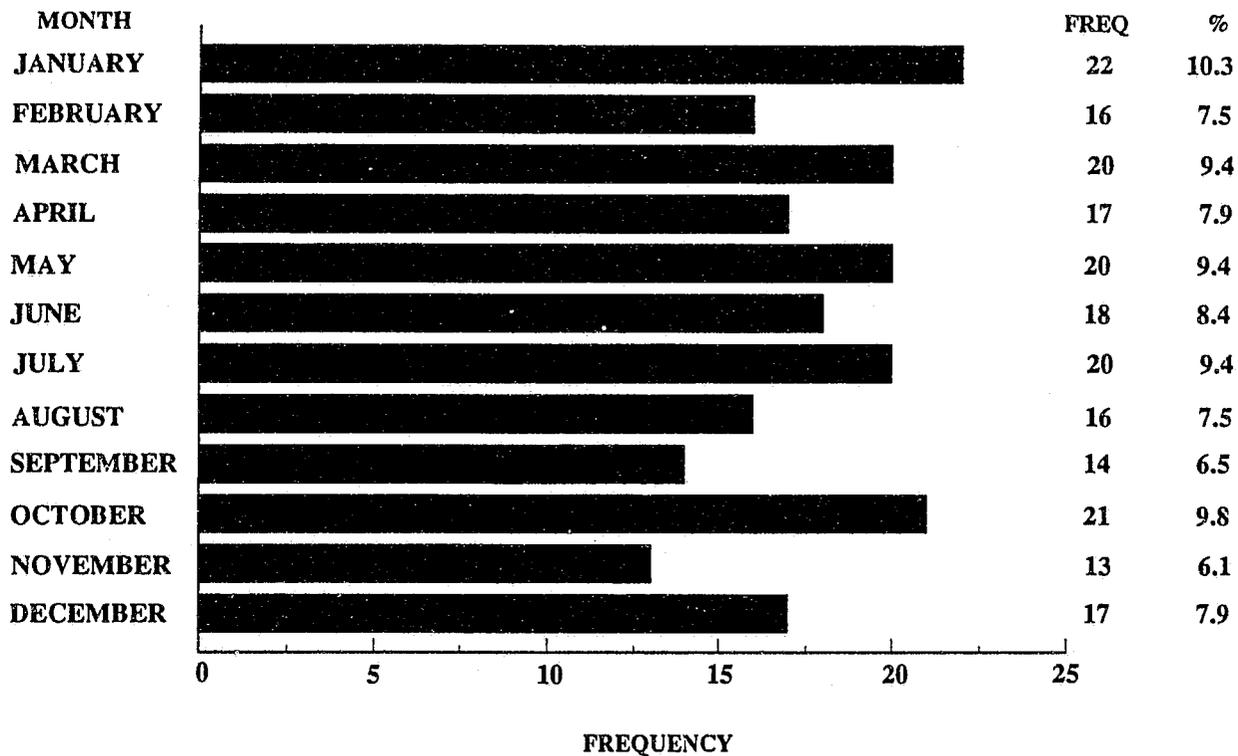
HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	2	18.2	24	25.8	36	32.7	62	29.0
U.S. HIGHWAY	4	36.4	16	17.2	25	22.7	45	21.0
STATE NUMBERED	3	27.3	23	24.7	13	11.8	39	18.2
SINGLE STATE LETTERED	1	9.1	7	7.5	11	10.0	19	8.9
DOUBLE STATE LETTERED	0	0.0	1	1.1	4	3.6	5	2.3
OUTER ROAD	0	0.0	0	0.0	0	0.0	0	0.0
COUNTY ROAD	1	9.1	6	6.5	7	6.4	14	6.5
CITY STREET	0	0.0	14	15.1	11	10.0	25	11.7
INTERSTATE LOOP	0	0.0	1	1.1	0	0.0	1	0.5
OTHER ¹	0	0.0	1	1.1	3	2.7	4	1.9
TOTAL	11	100.0	93	100.0	110	100.0	214	100.0

¹ "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.11.8

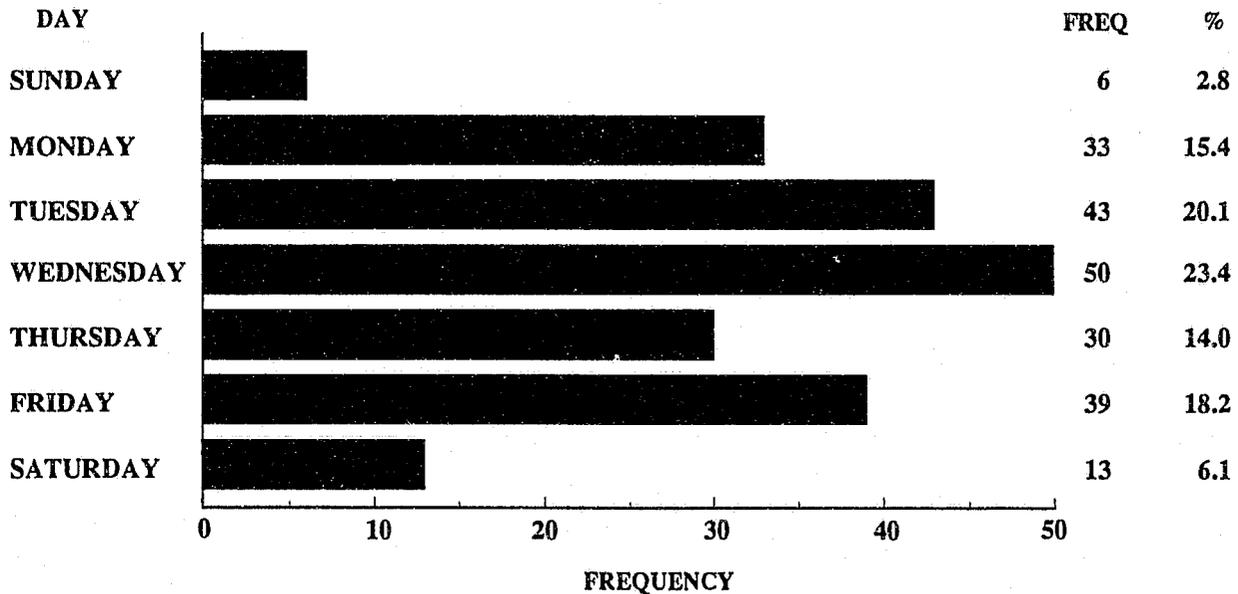
**1994 MISSOURI HAZARDOUS MATERIAL INVOLVED CRASHES
MONTH OF YEAR**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.11.1

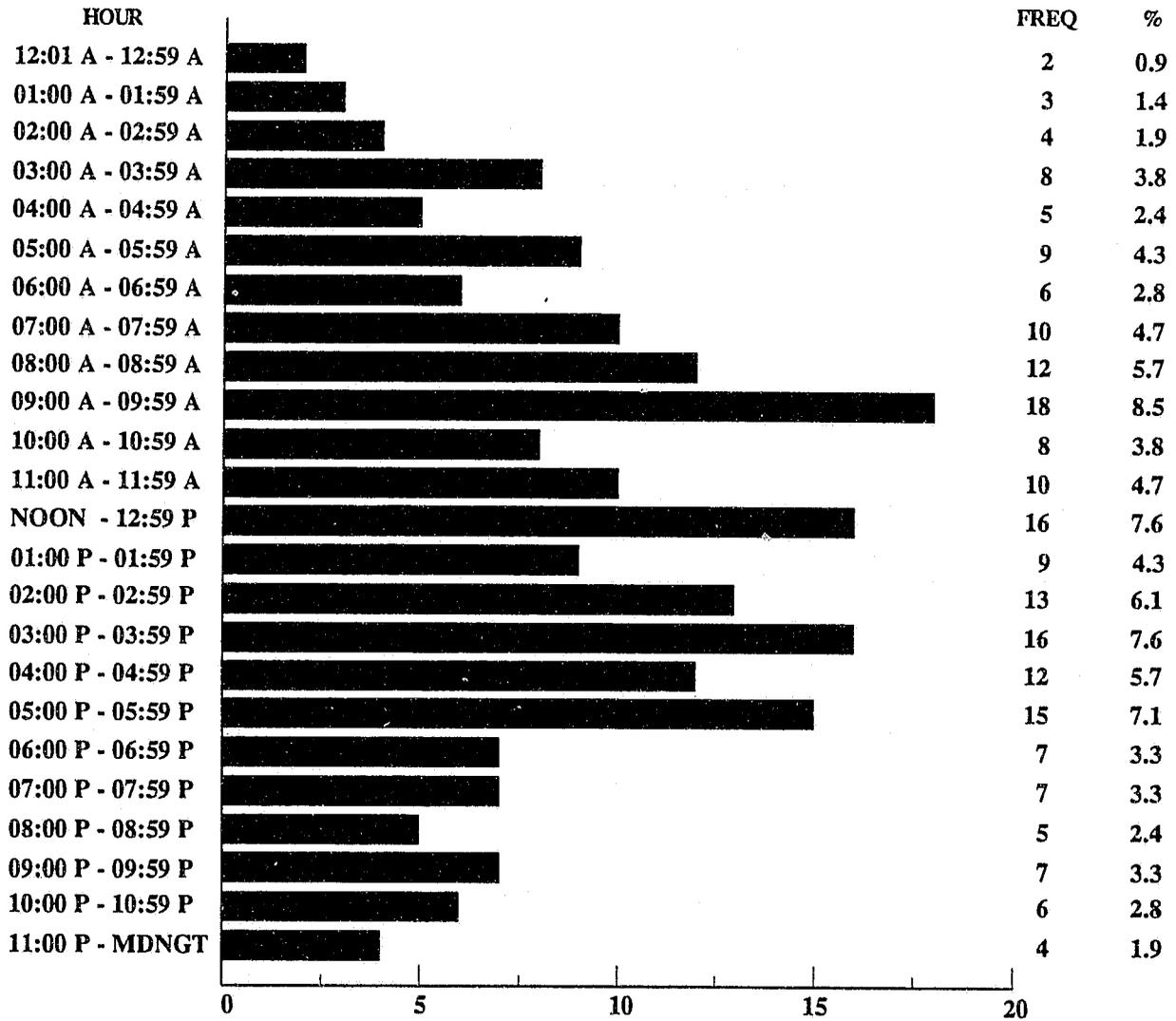
**1994 MISSOURI HAZARDOUS MATERIAL INVOLVED CRASHES
DAY OF WEEK**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.11.2

1994 MISSOURI HAZARDOUS MATERIAL INVOLVED CRASHES HOUR OF DAY



FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.11.3

VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 1994 MISSOURI CRASHES

TYPE OF VEHICLE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	0	0.0	1	1.1	1	0.9	2	0.9
SPORT UTILITY VEHICLE	0	0.0	1	1.1	0	0.0	1	0.5
FARM EQUIPMENT	0	0.0	1	1.1	1	0.9	2	0.9
OTHER TRANSPORT DEVICE	1	9.1	3	3.2	1	0.9	5	2.3
PICK-UP TRUCK	0	0.0	2	2.1	5	4.6	7	3.3
SINGLE UNIT TRUCK	4	36.4	26	27.7	30	27.3	60	27.9
TWO UNIT TRUCKS	6	54.6	52	55.3	64	58.2	122	56.7
MULTI-UNIT TRUCKS	0	0.0	8	8.5	8	7.3	16	7.4
TOTAL	11	100.0	94	100.0	110	100.0	215	100.0

TABLE 3.11.9

VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 1994 MISSOURI CRASHES

TYPE OF HAZARDOUS MATERIAL CARRIED BY SPILLAGE AND CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
SPILLED								
GASES IN BULK	2	18.2	3	3.2	2	1.8	7	3.3
SOLIDS IN BULK	0	0.0	1	1.1	2	1.8	3	1.4
LIQUIDS IN BULK	1	9.1	11	11.7	4	3.6	16	7.4
EXPLOSIVES	0	0.0	1	1.1	1	0.9	2	0.9
SUB-TOTAL	3	27.3	16	17.0	9	8.2	28	13.0
NOT SPILLED								
GASES IN BULK	0	0.0	18	19.2	26	23.6	44	20.5
SOLIDS IN BULK	2	18.2	9	9.6	9	8.2	20	9.3
LIQUIDS IN BULK	6	54.6	50	53.2	60	54.6	116	54.0
EXPLOSIVES	0	0.0	1	1.1	6	5.5	7	3.3
SUB-TOTAL	8	72.7	78	83.0	101	91.8	187	87.0
TOTAL	11	100.0	94	100.0	110	100.0	215	100.0

TABLE 3.11.10

1994 MISSOURI HAZARDOUS MATERIAL CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL HAZARDOUS MATERIAL CRASHES = 11				TOTAL HAZARDOUS MATERIAL CRASHES = 214		
	HAZARDOUS MATERIAL DRIVER/VEH.	OTHER DRIVER/VEHICLE/PED.	TOTAL FATAL	HAZARDOUS MATERIAL DRIVER/VEH.	OTHER DRIVER/VEHICLE/PED.	TOTAL CRASHES
EXCEEDING SPEED LIMIT/ TOO FAST FOR CONDITIONS	18.2	18.2	36.4	6.1	6.5	12.1
IMPROPER PASSING	0.0	9.1	9.1	0.5	1.9	2.3
VIOLATION OF STOP SIGN	0.0	9.1	9.1	0.9	3.3	4.2
WRONG SIDE NOT PASSING	0.0	9.1	9.1	1.4	5.6	7.0
FOLLOWING TOO CLOSE	9.1	0.0	9.1	3.3	2.3	5.6
IMPROPER SIGNAL	0.0	0.0	0.0	0.0	0.5	0.5
IMPROPER BACKING	0.0	0.0	0.0	0.5	0.0	0.5
IMPROPER TURN	0.0	0.0	0.0	1.9	0.9	2.8
IMPROPER LANE USAGE/CHANGE	0.0	0.0	0.0	3.3	4.2	7.0
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	0.5	0.0	0.5
IMPROPER START FROM PARK	0.0	0.0	0.0	0.5	0.0	0.5
IMPROPERLY PARKED	0.0	0.0	0.0	0.9	0.5	1.4
VEHICLE DEFECTS	0.0	0.0	0.0	6.1	1.4	7.5
FAILED TO YIELD	0.0	36.4	36.4	4.2	12.1	16.4
DRINKING	0.0	0.0	0.0	0.5	4.7	5.1
DRUGS	0.0	0.0	0.0	0.0	0.0	0.0
PHYSICAL IMPAIRMENT	0.0	0.0	0.0	4.2	0.0	4.2
INATTENTION	27.3	45.5	72.7	25.7	31.3	53.3

¹This table identifies the percentage of hazardous material crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the driver of the vehicle carrying hazardous materials or his vehicle as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 1994 Missouri hazardous material crashes, it was found that the driver of a vehicle carrying hazardous materials was speeding in 6.1% of the crashes. In 6.6% of the crashes another driver was speeding. In 12.1% of the crashes either the driver of the vehicle carrying hazardous materials, another driver, or both drivers were speeding.

TABLE 3.11.11

VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 1994 MISSOURI CRASHES

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	2	2.1	2	1.8	4	1.9
KNOWN DRIVER INVOLVED	11	100.0	91	96.8	108	98.2	210	97.7
UNKNOWN DRIVER INVOLVED	0	0.0	1	1.1	0	0.0	1	0.5
TOTAL	11	100.0	94	100.0	110	100.0	215	100.0

TABLE 3.11.12

DRIVERS OF VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 1994 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	11	100.0	90	98.9	104	97.2	205	98.1
FEMALE	0	0.0	1	1.1	3	2.8	4	1.9
UNKNOWN	0	-	1	-	1	-	2	-
TOTAL	11	100.0	92	100.0	108	100.0	211	100.0

TABLE 3.11.13

DRIVERS OF VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 1994 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	38.6	-	41.1	-	42.5	-	41.7	-
15 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
16 - 20 YEARS	0	0.0	1	1.1	1	0.9	2	1.0
21 - 25 YEARS	1	9.1	6	6.6	4	3.7	11	5.3
26 - 30 YEARS	1	9.1	11	12.1	15	14.0	27	12.9
31 - 35 YEARS	1	9.1	9	9.9	16	15.0	26	12.4
36 - 40 YEARS	4	36.4	15	16.5	16	15.0	35	16.8
41 - 45 YEARS	3	27.3	16	17.6	12	11.2	31	14.8
46 - 50 YEARS	0	0.0	14	15.4	13	12.2	27	12.9
51 - 55 YEARS	0	0.0	13	14.3	11	10.3	24	11.5
56 - 60 YEARS	1	9.1	3	3.3	11	10.3	15	7.2
61 - 65 YEARS	0	0.0	3	3.3	6	5.6	9	4.3
66 YEARS AND OVER	0	0.0	0	0.0	2	1.9	2	1.0
UNKNOWN	0	-	1	-	1	-	2	-
TOTAL	11	100.0	92	100.0	108	100.0	211	100.0

TABLE 3.11.14

DRIVERS OF VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 1994 MISSOURI CRASHES

DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
FOR HIRE	1	10.0	0	0.0	2	1.9	3	1.5
OPERATOR'S LICENSE	0	0.0	3	3.5	4	3.9	7	3.5
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	5	50.0	55	64.0	58	55.8	118	59.0
SUB-TOTAL	6	60.0	58	67.4	64	61.5	128	64.0
OUT STATE								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
FOR HIRE	0	0.0	0	0.0	0	0.0	0	0.0
OPERATOR'S LICENSE	0	0.0	0	0.0	1	1.0	1	0.5
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	4	40.0	28	32.6	39	37.5	71	35.5
SUB-TOTAL	4	40.0	28	32.6	40	38.5	72	36.0
UNLICENSED	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	1	-	6	-	4	-	11	-
TOTAL	11	100.0	92	100.0	108	100.0	211	100.0

TABLE 3.11.15

1994 HAZARDOUS MATERIAL INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	ST. LOUIS	10	12.2
2.0	SPRINGFIELD	9	11.0
3.0	KANSAS CITY	7	8.5
4.0	HANNIBAL	3	3.7
8.5	CAPE GIRARDEAU	2	2.4
8.5	INDEPENDENCE	2	2.4
8.5	JEFFERSON CITY	2	2.4
8.5	OSAGE BEACH	2	2.4
8.5	OVERLAND	2	2.4
8.5	POPLAR BLUFF	2	2.4
8.5	SEDALIA	2	2.4
8.5	SUNSET HILLS	2	2.4
31.0	BELLEFONTAINE NEIGHBORS	1	1.2
31.0	BRIDGETON	1	1.2
31.0	CAMPBELL	1	1.2
31.0	COLUMBIA	1	1.2
31.0	COUNTRY CLUB HILLS	1	1.2
31.0	FERGUSON	1	1.2
31.0	GLADSTONE	1	1.2
31.0	HAZELWOOD	1	1.2
31.0	HERCULANEUM	1	1.2
31.0	JACKSON	1	1.2
31.0	KIRKWOOD	1	1.2
31.0	LAKE ST. LOUIS	1	1.2
31.0	LEE'S SUMMIT	1	1.2
31.0	MILAN	1	1.2
31.0	MONETT	1	1.2
31.0	NIXA	1	1.2
31.0	O'FALLON	1	1.2
31.0	PACIFIC	1	1.2
31.0	PARKVILLE	1	1.2
31.0	PEVELY	1	1.2
31.0	PINE LAWN	1	1.2
31.0	PLEASANT VALEY	1	1.2
31.0	RICHMOND HEIGHTS	1	1.2
31.0	RIVERSIDE	1	1.2
31.0	ROLLA	1	1.2
31.0	ST. CHARLES	1	1.2
31.0	ST. JOHN	1	1.2
31.0	ST. JOSEPH	1	1.2
31.0	ST. PETERS	1	1.2
31.0	ST. ROBERT	1	1.2
31.0	SHELBINA	1	1.2
31.0	SHREWSBURY	1	1.2
31.0	STEELE	1	1.2
31.0	TOWN AND COUNTRY	1	1.2
31.0	UNION	1	1.2
31.0	WASHINGTON	1	1.2
31.0	WRIGHT CITY	1	1.2

¹Percentage is based on hazardous material involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 1.0% or more of these crashes are listed.

TABLE 3.11.17

3.12 CONSTRUCTION ZONE INVOLVEMENT

This section presents a series of data displays which identify construction zone involvement in Missouri's traffic crash experience. Construction zone crashes are defined as any traffic crash where one or more of the traffic controls associated with the incident was a construction zone. Data displays are provided which not only describe characteristics of the incidents but also provide them for all vehicles and drivers directly associated with the traffic crashes.

1994 SUMMARY ANALYSIS

- Of all 1994 Missouri traffic crashes, 0.7% involved construction zones. Of all fatal traffic crashes, 1.3% were construction zone related. A total of 14 persons were killed and 614 were injured in traffic crashes involving construction zones.
- There was a decrease of 6.2% in the rate of change when comparing all 1994 construction zone related traffic crash activity with that occurring in 1993. There was an increase of 9.1% when comparing 1994 fatal construction zone traffic crashes with 1993.
- In 1994, one person was killed or injured in construction zone involved traffic crashes every 13.9 hours in the State of Missouri.
- Of all 1994 construction zone traffic crashes, the first harmful event in 70.4% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 15.1% of the cases, the first harmful event was a motor vehicle in transport striking a fixed object. In fatal construction zone crashes, 25.0% involved a fixed object.
- Of all 1994 construction zone traffic crashes, 38.1% occurred in urban areas and 61.9% occurred in rural areas of the State.
- Of all 1994 construction zone traffic crashes, 52.2% occurred on an interstate highway.
- Of all vehicles involved in construction zone traffic crashes, 55.9% were automobiles and 18.2% were pick-up trucks.
- Of the drivers involved in 1994 construction zone related traffic crashes, 67.0% were male and 33.0% were female. The average age of the driver was 38.8 years.
- Of the drivers, 79.5% had a Missouri driver's license, 19.3% had an out-of-state driver's license, and 1.2% were unlicensed at the time of the crash.

**1994 MISSOURI TRAFFIC CRASHES
CONSTRUCTION ZONE INVOLVEMENT**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER' KILLED INJURED	
CONSTRUCTION ZONE INVOLVED	12	1.3	355	0.7	884	0.7	1,251	0.7	14	614
NO CONSTRUCTION ZONE INVOLVED	935	98.7	50,676	99.3	127,510	99.3	179,121	99.3	1,075	80,413
TOTAL	947	100.0	51,031	100.0	128,394	100.0	180,372	100.0	1,089	81,027

¹This statistic indicates the total number of persons killed and injured in a crash where a construction zone was involved.

TABLE 3.12.1

1993 and 1994 CONSTRUCTION ZONE INVOLVED CRASH ANALYSIS

	1993	1994	RATE OF CHANGE
FATAL	11	12	+ 9.1
PERSONAL INJURY	417	355	- 14.9
PROPERTY DAMAGE	906	884	- 2.4
TOTAL	1,334	1,251	- 6.2

TABLE 3.12.2

1994 CONSTRUCTION ZONE INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	0	0.0	5	0.6	5	0.4
BICYCLIST	0	0.0	0	0.0	0	0.0	0	0.0
FIXED OBJECT	3	25.0	52	14.7	134	15.2	189	15.1
OTHER OBJECT	0	0.0	18	5.1	70	7.9	88	7.0
PEDESTRIAN	1	8.3	2	0.6	0	0.0	3	0.2
TRAIN	0	0.0	0	0.0	0	0.0	0	0.0
VEHICLE IN TRANSPORT	8	66.7	256	72.1	617	69.8	881	70.4
VEHICLE ON OTHER ROADWAY	0	0.0	0	0.0	0	0.0	0	0.0
PARKED VEHICLE	0	0.0	10	2.8	23	2.6	33	2.6
NON-COLLISION OVERTURN	0	0.0	12	3.4	13	1.5	25	2.0
NON-COLLISION OTHER	0	0.0	5	1.4	22	2.5	27	2.2
TOTAL	12	100.0	355	100.0	884	100.0	1,251	100.0

TABLE 3.12.3

1994 CONSTRUCTION ZONE INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	3	25.0	139	39.2	334	37.8	476	38.1
RURAL	9	75.0	216	60.8	550	62.2	775	61.9
TOTAL	12	100.0	355	100.0	884	100.0	1,251	100.0

TABLE 3.12.4

1994 CONSTRUCTION ZONE INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	10	83.3	301	86.0	665	83.8	976	84.4
CURVE	2	16.7	49	14.0	129	16.2	180	15.6
UNKNOWN	0	-	5	-	90	-	95	-
TOTAL	12	100.0	355	100.0	884	100.0	1,251	100.0

TABLE 3.12.5

1994 CONSTRUCTION ZONE INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	4	33.3	223	63.7	512	64.8	739	64.2
HILL	7	58.3	119	34.0	266	33.7	392	34.0
CREST	1	8.3	8	2.3	12	1.5	21	1.8
UNKNOWN	0	-	5	-	94	-	99	-
TOTAL	12	100.0	355	100.0	884	100.0	1,251	100.0

TABLE 3.12.6

1994 CONSTRUCTION ZONE INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	11	91.7	313	89.2	749	85.4	1,073	86.5
WET	1	8.3	33	9.4	116	13.2	150	12.1
SNOW	0	0.0	0	0.0	4	0.5	4	0.3
ICE	0	0.0	3	0.9	5	0.6	8	0.7
MUD	0	0.0	2	0.6	3	0.3	5	0.4
UNKNOWN	0	-	4	-	7	-	11	-
TOTAL	12	100.0	355	100.0	884	100.0	1,251	100.0

TABLE 3.12.7

1994 CONSTRUCTION ZONE INVOLVED CRASHES

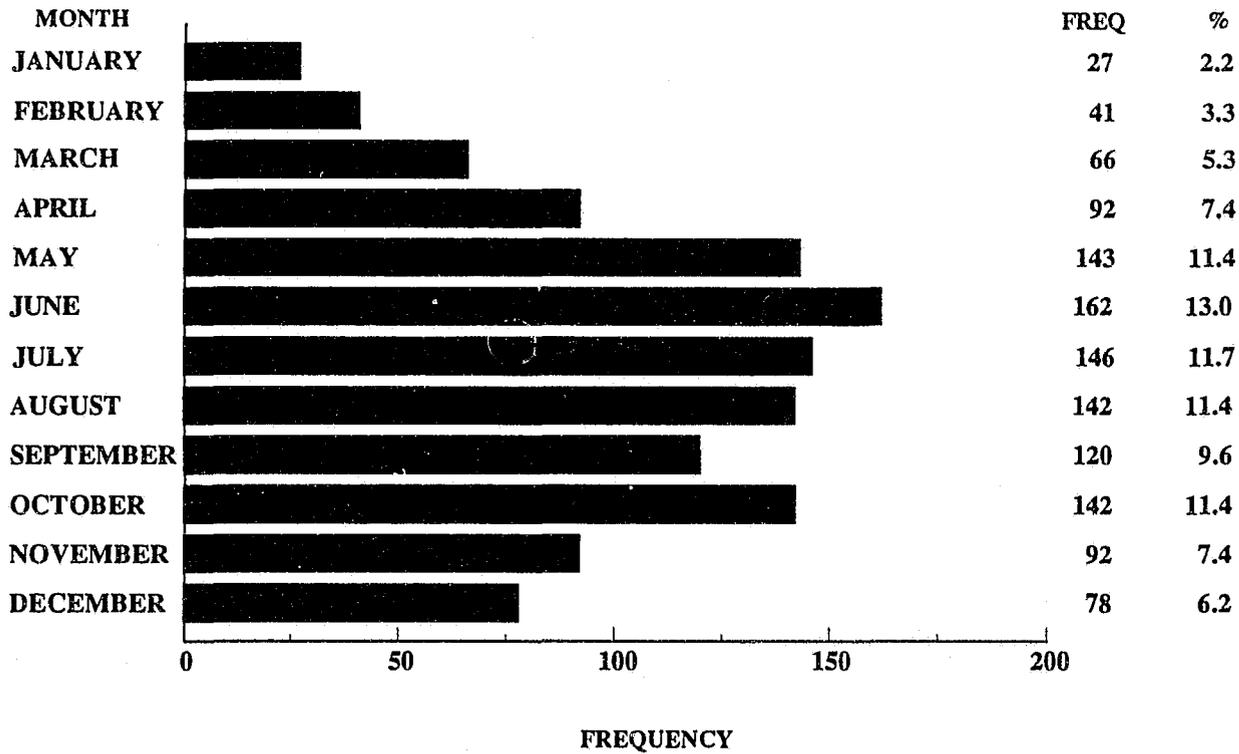
HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	4	33.3	189	53.2	460	52.0	653	52.2
U.S. HIGHWAY	6	50.0	79	22.3	161	18.2	246	19.7
STATE NUMBERED	1	8.3	29	8.2	97	11.0	127	10.2
SINGLE STATE LETTERED	0	0.0	10	2.8	13	1.5	23	1.8
DOUBLE STATE LETTERED	0	0.0	9	2.5	14	1.6	23	1.8
OUTER ROAD	0	0.0	0	0.0	4	0.5	4	0.3
COUNTY ROAD	0	0.0	13	3.7	47	5.3	60	4.8
CITY STREET	1	8.3	20	5.6	75	8.5	96	7.7
INTERSTATE LOOP	0	0.0	2	0.6	5	0.6	7	0.6
OTHER ¹	0	0.0	4	1.1	8	0.9	12	1.0
TOTAL	12	100.0	355	100.0	884	100.0	1,251	100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.12.8

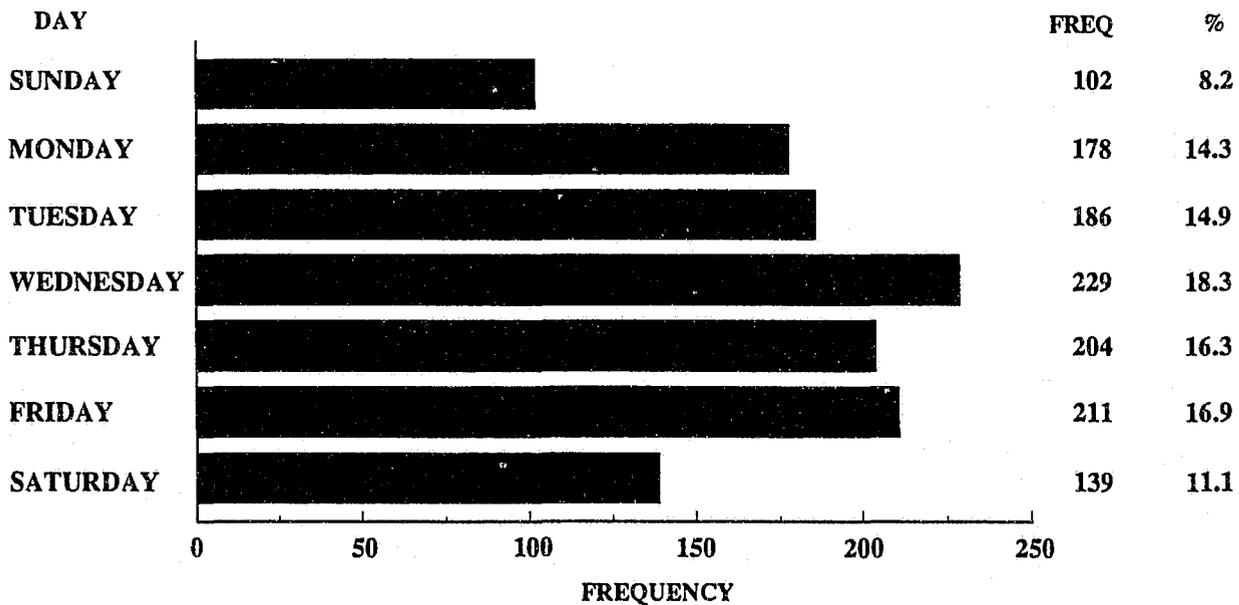
**1994 MISSOURI CONSTRUCTION ZONE INVOLVED CRASHES
MONTH OF YEAR**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.12.1

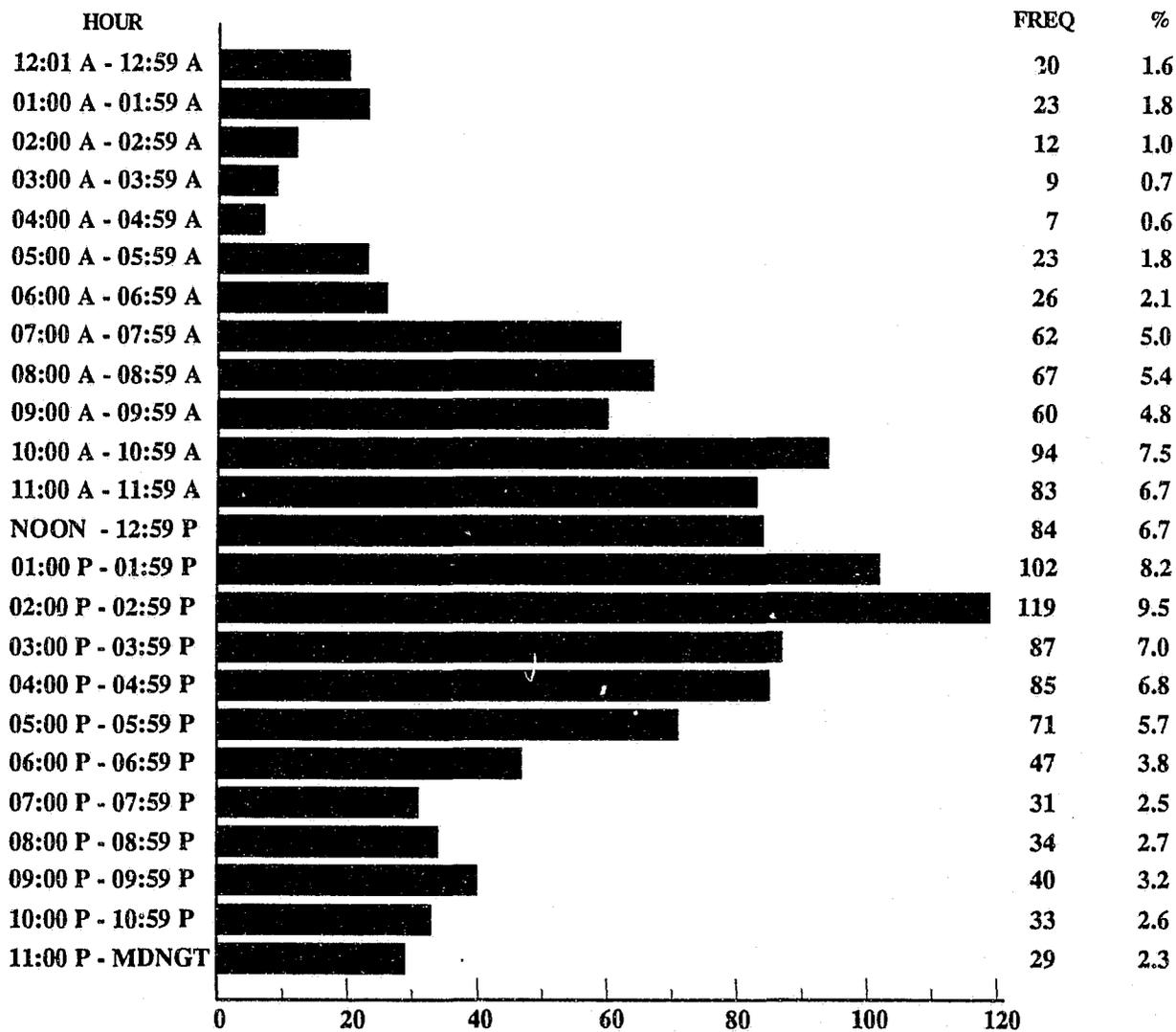
**1994 MISSOURI CONSTRUCTION ZONE INVOLVED CRASHES
DAY OF WEEK**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.12.2

**1994 MISSOURI CONSTRUCTION ZONE INVOLVED CRASHES
HOUR OF DAY**



FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.12.3

VEHICLES INVOLVED IN 1994 MISSOURI CONSTRUCTION ZONE CRASHES

TYPE OF VEHICLE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	13	56.5	458	60.7	888	53.8	1,359	55.9
SPORT UTILITY VEHICLE	2	8.7	35	4.6	66	4.0	103	4.2
VAN/SMALL BUS	1	4.4	42	5.6	120	7.3	163	6.7
BUS	0	0.0	1	0.1	3	0.2	4	0.2
SCHOOL BUS	0	0.0	2	0.3	1	0.1	3	0.1
MOTORCYCLE	1	4.4	7	0.9	0	0.0	8	0.3
MOPED	0	0.0	0	0.0	0	0.0	0	0.0
BICYCLE	0	0.0	0	0.0	0	0.0	0	0.0
MOTORHOME/CAMPER	1	4.4	3	0.4	13	0.8	17	0.7
FARM EQUIPMENT	0	0.0	0	0.0	2	0.1	2	0.1
CONSTRUCTION EQUIPMENT	0	0.0	9	1.2	15	0.9	24	1.0
OTHER TRANSPORT DEVICE	0	0.0	1	0.1	1	0.1	2	0.1
PICK-UP TRUCK	2	8.7	120	15.9	320	19.4	442	18.2
OTHER TRUCKS	3	13.0	77	10.2	223	13.5	303	12.5
ALL TERRAIN VEHICLE	0	0.0	0	0.0	0	0.0	0	0.0
VEHICLE TYPE UNKNOWN	0	-	1	-	14	-	15	-
TOTAL	23	100.0	756	100.0	1,666	100.0	2,445	100.0

TABLE 3.12.9

1994 MISSOURI CONSTRUCTION ZONE CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY¹

FATAL CONSTRUCTION ZONE CRASHES = 12		TOTAL CONSTRUCTION ZONE CRASHES = 1,251
EXCEEDING SPEED LIMIT/ TOO FAST FOR CONDITIONS	50.0	20.7
IMPROPER PASSING	16.7	1.1
VIOLATION OF STOP SIGN	0.0	1.2
WRONG SIDE NOT PASSING	33.3	1.9
FOLLOWING TOO CLOSE	8.3	18.4
IMPROPER SIGNAL	0.0	0.2
IMPROPER BACKING	0.0	1.2
IMPROPER TURN	0.0	1.2
IMPROPER LANE USAGE/CHANGE	8.3	9.0
WRONG WAY ONE-WAY STREET	0.0	0.1
IMPROPER START FROM PARK	0.0	0.0
IMPROPERLY PARKED	0.0	0.4
VEHICLE DEFECTS	8.3	3.0
FAILED TO YIELD	0.0	9.2
DRINKING	16.7	5.8
DRUGS	0.0	0.1
PHYSICAL IMPAIRMENT	0.0	1.0
INATTENTION	58.3	63.6

¹This table identifies the percentage of construction zone crashes having a specific type of circumstance which contributed to the cause of the crash. For instance, when examining speed involvement in 1994 Missouri fatal construction zone crashes, it was found that in 50.0% of the crashes one or more drivers were speeding. In all construction zone traffic crashes, 20.7% had one or more drivers who were speeding.

TABLE 3.12.10

VEHICLES INVOLVED IN 1994 MISSOURI CONSTRUCTION ZONE CRASHES

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	13	1.7	32	1.9	45	1.8
KNOWN DRIVER INVOLVED	23	100.0	735	97.2	1,554	93.3	2,312	94.6
UNKNOWN DRIVER INVOLVED	0	0.0	8	1.1	80	4.8	88	3.6
TOTAL	23	100.0	756	100.0	1,666	100.0	2,445	100.0

TABLE 3.12.11

DRIVERS OF VEHICLES INVOLVED IN 1994 MISSOURI CONSTRUCTION ZONE CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	18	78.3	483	65.6	973	67.5	1,474	67.0
FEMALE	5	21.7	253	34.4	468	32.5	726	33.0
UNKNOWN	0	-	7	-	193	-	200	-
TOTAL	23	100.0	743	100.0	1,634	100.0	2,400	100.0

TABLE 3.12.12

DRIVERS OF VEHICLES INVOLVED IN 1994 MISSOURI CONSTRUCTION ZONE CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	38.2	-	37.6	-	39.3	-	38.8	-
15 YEARS AND UNDER	1	4.4	0	0.0	5	0.3	6	0.3
16 - 20 YEARS	3	13.0	106	14.5	179	11.7	288	12.6
21 - 25 YEARS	3	13.0	95	13.0	188	12.3	286	12.5
26 - 30 YEARS	2	8.7	81	11.1	177	11.6	260	11.4
31 - 35 YEARS	2	8.7	100	13.7	190	12.4	292	12.8
36 - 40 YEARS	3	13.0	85	11.6	168	11.0	256	11.2
41 - 45 YEARS	0	0.0	71	9.7	155	10.1	226	9.9
46 - 50 YEARS	2	8.7	48	6.6	109	7.1	159	7.0
51 - 55 YEARS	2	8.7	33	4.5	84	5.5	119	5.2
56 - 60 YEARS	2	8.7	33	4.5	74	4.8	109	4.8
61 - 65 YEARS	1	4.4	20	2.7	61	4.0	82	3.6
66 YEARS AND OVER	2	8.7	58	8.0	143	9.3	203	8.9
UNKNOWN	0	-	13	-	101	-	114	-
TOTAL	23	100.0	743	100.0	1,634	100.0	2,400	100.0

TABLE 3.12.13

DRIVERS OF VEHICLES INVOLVED IN 1994 MISSOURI CONSTRUCTION ZONE CRASHES

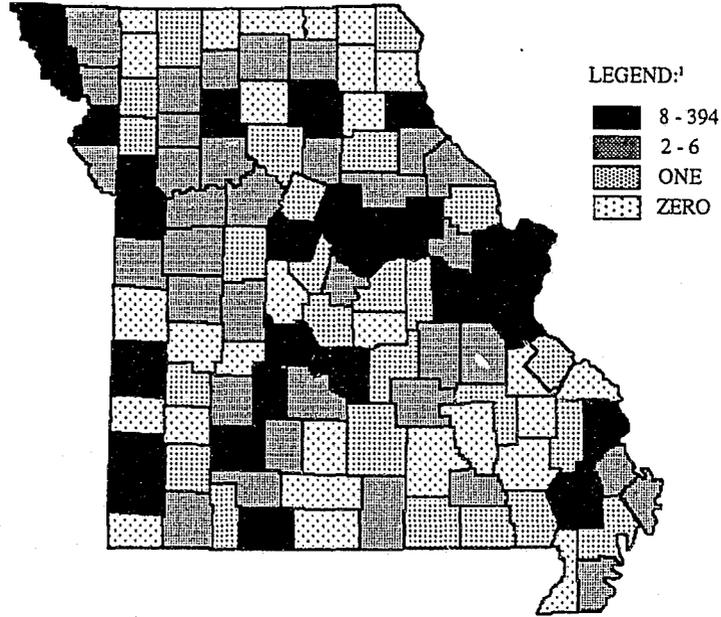
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	2	0.3	4	0.3	6	0.3
FOR HIRE	0	0.0	33	4.6	69	4.9	102	4.8
OPERATOR'S LICENSE	15	65.2	486	67.2	909	64.9	1,410	65.7
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	3	13.0	49	6.8	136	9.7	188	8.8
SUB-TOTAL	18	78.3	570	78.8	1,118	79.9	1,706	79.5
OUT STATE								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
FOR HIRE	0	0.0	3	0.4	2	0.1	5	0.2
OPERATOR'S LICENSE	3	13.0	100	13.8	195	13.9	298	13.9
MOTORCYCLE ONLY	0	0.0	0	0.0	1	0.1	1	0.1
COMMERCIAL DRIVER'S LICENSE	1	4.4	38	5.3	71	5.1	110	5.1
SUB-TOTAL	4	17.4	141	19.5	269	19.2	414	19.3
UNLICENSED	1	4.4	12	1.7	13	0.9	26	1.2
UNKNOWN	0	-	20	-	234	-	254	-
TOTAL	23	100.0	743	100.0	1,634	100.0	2,400	100.0

TABLE 3.12.14

1994 CONSTRUCTION ZONE INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	394	31.5	19.5	CALLAWAY	12	1.0
2.0	JACKSON	165	13.2	19.5	CAPE GIRARDEAU	12	1.0
3.0	ST. CHARLES	70	5.6	19.5	NEWTON	12	1.0
4.0	JEFFERSON	59	4.7	19.5	PULASKI	12	1.0
5.0	CLAY	44	3.5	22.5	ATCHISON	11	0.9
6.0	MARION	40	3.2	22.5	LIVINGSTON	11	0.9
7.0	BOONE	37	3.0	24.0	COOPER	9	0.7
8.0	FRANKLIN	36	2.9	26.0	HOLT	8	0.6
9.0	TANEY	34	2.7	26.0	MACON	8	0.6
10.0	CAMDEN	26	2.1	26.0	MONTGOMERY	8	0.6
11.0	GREENE	20	1.6				
12.5	BUCHANAN	15	1.2				First Quartile
12.5	DALLAS	15	1.2				
14.5	JASPER	14	1.1				
14.5	STODDARD	14	1.1	29.5	JOHNSON	6	0.5
16.5	VERNON	13	1.0	29.5	NODAWAY	6	0.5
16.5	ST. LOUIS CITY	13	1.0	29.5	SALINE	6	0.5
				29.5	WASHINGTON	6	0.5
							Second Quartile

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
32.5	CHRISTIAN	5	0.4	75.0	LAWRENCE	1	0.1
32.5	DAVISS	5	0.4	75.0	LINCOLN	1	0.1
36.0	BARRY	4	0.3	75.0	MILLER	1	0.1
36.0	CALDWELL	4	0.3	75.0	MONITEAU	1	0.1
36.0	HOWELL	4	0.3	75.0	MONROE	1	0.1
36.0	LAFAYETTE	4	0.3	75.0	NEW MADRID	1	0.1
36.0	SULLIVAN	4	0.3	75.0	OREGON	1	0.1
44.5	ANDREW	3	0.2	75.0	OSAGE	1	0.1
44.5	AUDRAIN	3	0.2	75.0	PETTIS	1	0.1
44.5	BENTON	3	0.2	75.0	PHELPS	1	0.1
44.5	CASS	3	0.2	75.0	RIPLEY	1	0.1
44.5	COLE	3	0.2	75.0	STE. GENEVIEVE	1	0.1
44.5	HENRY	3	0.2	75.0	STONE	1	0.1
44.5	LACLEDE	3	0.2	75.0	TEXAS	1	0.1
44.5	PEMISCOTT	3	0.2				
44.5	PLATTE	3	0.2				
44.5	POLK	3	0.2				
44.5	RALLS	3	0.2				
44.5	RANDOLPH	3	0.2				
56.5	ADAIR	2	0.2	101.5	BARTON	0	0.0
56.5	CARROLL	2	0.2	101.5	BATES	0	0.0
56.5	CARTER	2	0.2	101.5	DADE	0	0.0
56.5	CRAWFORD	2	0.2	101.5	DOUGLAS	0	0.0
56.5	DENT	2	0.2	101.5	DUNKLIN	0	0.0
56.5	GRUNDY	2	0.2	101.5	GENTRY	0	0.0
56.5	MISSISSIPPI	2	0.2	101.5	HICKORY	0	0.0
56.5	PIKE	2	0.2	101.5	KNOX	0	0.0
56.5	RAY	2	0.2	101.5	LEWIS	0	0.0
56.5	SCOTT	2	0.2	101.5	LINN	0	0.0
56.5	WARREN	2	0.2	101.5	MCDONALD	0	0.0
56.5	WEBSTER	2	0.2	101.5	MADISON	0	0.0
			Second Quartile	101.5	MARIES	0	0.0
			Third Quartile	101.5	MERCER	0	0.0
75.0	BOLLINGER	1	0.1	101.5	MORGAN	0	0.0
75.0	BUTLER	1	0.1	101.5	OSARK	0	0.0
75.0	CEDAR	1	0.1	101.5	PERRY	0	0.0
75.0	CHARITON	1	0.1	101.5	PUTNAM	0	0.0
75.0	CLARK	1	0.1	101.5	REYNOLDS	0	0.0
75.0	CLINTON	1	0.1	101.5	ST. CLAIR	0	0.0
75.0	DEKALB	1	0.1	101.5	ST. FRANCOIS	0	0.0
75.0	GASCONADE	1	0.1	101.5	SCHUYLER	0	0.0
75.0	HARRISON	1	0.1	101.5	SCOTLAND	0	0.0
75.0	HOWARD	1	0.1	101.5	SHANNON	0	0.0
75.0	IRON	1	0.1	101.5	SHELBY	0	0.0
				101.5	WAYNE	0	0.0
				101.5	WORTH	0	0.0
				101.5	WRIGHT	0	0.0

TABLE 3.12.15

1994 CONSTRUCTION ZONE INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	54	9.1
2.0	INDEPENDENCE	43	7.2
3.0	ST. PETERS	41	6.9
4.0	SUNSET HILLS	30	5.0
5.0	OSAGE BEACH	24	4.0
6.0	LIBERTY	23	3.9
7.0	BLUE SPRINGS	22	3.7
8.0	CHESTERFIELD	20	3.4
9.0	HANNIBAL	18	3.0
10.5	ARNOLD	15	2.5
10.5	BRIDGETON	15	2.5
12.5	FLORISSANT	13	2.2
12.5	ST. LOUIS	13	2.2
14.0	KIRKWOOD	12	2.0
15.5	COLUMBIA	11	1.8
15.5	PEVELY	11	1.8
17.0	SPRINGFIELD	10	1.7
19.0	HAZELWOOD	9	1.5
19.0	JOPLIN	9	1.5
19.0	ST. ROBERT	9	1.5
22.5	CAPE GIRARDEAU	8	1.3
22.5	DES PERES	8	1.3
22.5	EXCELSIOR SPRINGS	8	1.3
22.5	ST. CHARLES	8	1.3
26.0	GRANDVIEW	7	1.2
26.0	LEE'S SUMMIT	7	1.2
26.0	ST. JOSEPH	7	1.2
28.0	WEBSTER GROVES	6	1.0

¹Percentage is based on construction zone involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 1.0% or more of these crashes are listed.

TABLE 3.12.16

**MISSOURI FATAL AND PERSONAL INJURY CONSTRUCTION ZONE CRASHES
ANNUAL TIME SERIES**

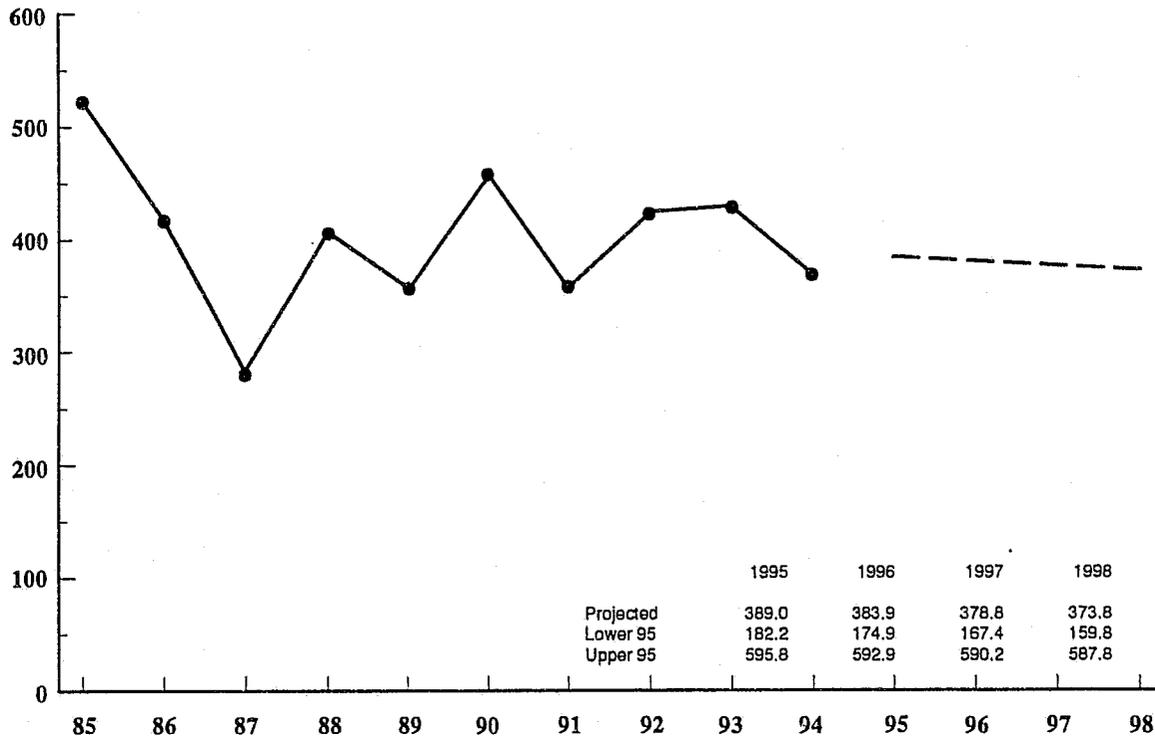


FIGURE 3.12.4

3.13 SEAT BELT USAGE

This section presents a series of data displays identifying the seat belt usage rates of drivers and injured passengers in automobiles, trucks, vans, and motor homes involved in Missouri traffic crashes. Most of the data displays focus on only the driver. Data on the seat belt usage rates of both injured and uninjured drivers were available for analysis. In the case of passengers, data were only available for those injured in the traffic crash. Injured passenger seat belt usage rates are not indicative of seat belt usage rates of all passengers involved in traffic crashes.

There are other limitations to the data presented in this section. In a large number of cases, driver and injured passenger seat belt usage information was not reported by the investigating officer. In the following data displays, the number of cases where seat belt usage information was not known is presented but excluded when calculating seat belt usage rates (Row %).

In addition, in cases where the investigating officer does report driver and injured passenger seat belt use, the officer is relying on the word of the person in most instances.

As a result of these limiting factors, it is expected that the actual seat belt usage rates in Missouri's 1994 traffic crashes are somewhat less than the findings in this section would indicate. These limiting factors should be taken into consideration when viewing these statistics.

1994 SUMMARY ANALYSIS

- Of the drivers of automobiles, trucks, vans, and motor homes killed in 1994 Missouri traffic crashes, 26.6% were wearing seat belts. Of the passengers killed in these types of vehicles, 24.2% wore their seat belt. For drivers involved in traffic crashes not killed or injured, 85.6% were wearing their seat belt at the time of the crash.
- A driver involved in a 1994 Missouri traffic crash had a 1 in 4 chance of being injured if they were not wearing their seat belt. However, if they were wearing a seat belt their chances of being injured in the crash were 1 in 7. When examining driver deaths, the differences are much more dramatic. A driver involved in a 1994 Missouri traffic crash had a 1 in 102 chance of being killed if they were not wearing a seat belt. In those cases where a driver wore a seat belt, their chance of being killed was 1 in 1,391.
- Of those drivers totally ejected from their vehicle, 7.5% were wearing their seat belts. Of those partially ejected, 30.4% were wearing seat belts. Of those not ejected, 83.2% were wearing seat belts.
- Of Missouri licensed drivers involved in 1994 traffic crashes, 82.6% were wearing seat belts compared to 89.3% of drivers licensed in other states. Only 55.0% of unlicensed drivers were wearing seat belts at the time of the crash.

1994 MISSOURI TRAFFIC CRASHES

DRIVERS AND PASSENGERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

PERSONAL INJURY SEVERITY BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
KILLED							
DRIVER	151		416		88	655	
ROW %	26.6		73.4		-	100.0	
PASSENGER	62		194		32	288	
ROW %	24.2		75.8		-	100.0	
MAJOR DISABLING INJURY							
DRIVER	2,637		2,505		846	5,988	
ROW %	51.3		48.7		-	100.0	
PASSENGER	1,145		1,807		356	3,308	
ROW %	38.8		61.2		-	100.0	
EVIDENT INJURY							
DRIVER	10,237		5,864		2,077	18,178	
ROW %	63.6		36.4		-	100.0	
PASSENGER	4,674		4,583		1,055	10,312	
ROW %	50.5		49.5		-	100.0	
PROBABLE INJURY							
DRIVER	17,971		3,654		2,255	23,880	
ROW %	83.1		16.9		-	100.0	
PASSENGER	8,661		3,582		1,557	13,800	
ROW %	70.7		29.3		-	100.0	
NOT INJURED							
DRIVER	179,002		30,032		31,809	240,843	
ROW %	85.6		14.4		-	100.0	
PASSENGER ¹	-		-		-	-	
INJURY UNKNOWN							
DRIVER	587		154		15,044	15,785	
ROW %	79.2		20.8		-	100.0	
PASSENGER ¹	-		-		-	-	

¹Data on all passengers of vehicles not injured or whose injury level is unknown in Missouri crashes are not available in the Statewide Traffic Accident Records System (STARS). As a result, these statistics have been excluded.

TABLE 3.13.1

1994 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

AREA CLASSIFICATION BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
URBAN ROW %	144,116	86.8	21,953	13.2	40,933	-	207,002 100.0
RURAL ROW %	66,469	76.3	20,672	23.7	11,186	-	98,327 100.0
TOTAL ROW %	210,585	83.2	42,625	16.8	52,119	-	305,329 100.0

TABLE 3.13.2

1994 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

WEATHER CONDITIONS BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
CLEAR ROW %	111,205	82.3	23,863	17.7	30,616	-	165,684 100.0
CLOUDY ROW %	50,596	82.1	11,020	17.9	11,097	-	72,713 100.0
RAIN ROW %	24,648	86.1	3,980	13.9	6,269	-	34,897 100.0
SNOW ROW %	3,267	86.5	512	13.5	1,044	-	4,823 100.0
SLEET ROW %	718	84.2	135	15.8	143	-	996 100.0
FREEZING ROW %	1,593	86.3	252	13.7	352	-	2,197 100.0
FOG OR MIST ROW %	2,792	78.4	771	21.6	498	-	4,061 100.0
UNKNOWN ROW %	15,766	88.3	2,092	11.7	2,100	-	19,958 100.0
TOTAL ROW %	210,585	83.2	42,625	16.8	52,119	-	305,329 100.0

TABLE 3.13.3

1994 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

HIGHWAY CLASSIFICATION BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
INTERSTATE ROW %	26,606	90.7	2,728	9.3	6,268	-	35,602 100.0
U.S. HIGHWAY ROW %	26,447	81.3	6,070	18.7	4,173	-	36,690 100.0
STATE NUMBERED ROW %	37,167	81.4	8,479	18.6	5,181	-	50,827 100.0
SINGLE STATE LETTERED ROW %	9,372	73.0	3,466	27.0	1,452	-	14,290 100.0
DOUBLE STATE LETTERED ROW %	4,351	76.4	1,341	23.6	490	-	6,182 100.0
OUTER ROAD ROW %	2,758	86.3	439	13.7	308	-	3,505 100.0
COUNTY ROAD ROW %	17,461	79.8	4,412	20.2	3,665	-	25,538 100.0
CITY STREET ROW %	78,912	85.2	13,758	14.8	28,905	-	121,575 100.0
INTERSTATE LOOP ROW %	1,756	81.8	392	18.2	197	-	2,345 100.0
OTHER ¹ ROW %	5,755	78.9	1,540	21.1	1,480	-	8,775 100.0
TOTAL ROW %	210,585	83.2	42,625	16.8	52,119	-	305,329 100.0

¹"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.13.4

1994 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

MONTH OF YEAR BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL
JANUARY	16,804		3,380		4,030		24,214
ROW %		83.3		16.7		-	100.0
FEBRUARY	15,215		3,086		3,800		22,101
ROW %		83.1		16.9		-	100.0
MARCH	15,021		3,345		3,881		22,247
ROW %		81.8		18.2		-	100.0
APRIL	17,362		3,575		4,311		25,248
ROW %		82.9		17.1		-	100.0
MAY	17,099		3,646		4,212		24,957
ROW %		82.4		17.6		-	100.0
JUNE	17,317		3,616		4,281		25,214
ROW %		82.7		17.3		-	100.0
JULY	17,172		3,705		4,213		25,090
ROW %		82.3		17.7		-	100.0
AUGUST	17,420		3,602		4,543		25,565
ROW %		82.9		17.1		-	100.0
SEPTEMBER	18,148		3,567		4,623		26,338
ROW %		83.6		16.4		-	100.0
OCTOBER	20,168		3,914		4,699		28,781
ROW %		83.8		16.2		-	100.0
NOVEMBER	19,246		3,573		4,523		27,342
ROW %		84.3		15.7		-	100.0
DECEMBER	19,613		3,616		5,003		28,232
ROW %		84.4		15.6		-	100.0
TOTAL	210,585		42,625		52,119		305,329
ROW %		83.2		16.8		-	100.0

TABLE 3.13.5

1994 MISSOURI TRAFFIC CRASHES
DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES
DAY OF WEEK BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
SUNDAY	17,523		4,317		5,070		26,910
ROW %		80.2		19.8		-	100.0
MONDAY	29,806		5,724		7,145		42,675
ROW %		83.9		16.1		-	100.0
TUESDAY	31,120		6,059		7,189		44,368
ROW %		83.7		16.3		-	100.0
WEDNESDAY	31,273		5,873		7,565		44,711
ROW %		84.2		16.8		-	100.0
THURSDAY	32,932		6,303		7,850		47,085
ROW %		83.9		16.1		-	100.0
FRIDAY	38,215		7,649		9,087		54,951
ROW %		83.3		16.7		-	100.0
SATURDAY	29,625		6,679		8,103		44,407
ROW %		81.6		18.4		-	100.0
UNKNOWN	91		21		110		222
ROW %		81.3		18.7		-	100.0
TOTAL	210,585		42,625		52,119		305,329
ROW %		83.2		16.8		-	100.0

TABLE 3.13.6

1994 MISSOURI TRAFFIC CRASHES
DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES
HOUR OF DAY BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
12:01A - 02:59A ROW %	6,492	71.1	2,644	28.9	3,397	-	12,533	100.0
03:00A - 05:59A ROW %	3,209	73.8	1,141	26.2	1,466	-	5,816	100.0
06:00A - 08:59A ROW %	26,171	84.7	4,725	15.3	5,468	-	36,364	100.0
09:00A - 11:59A ROW %	30,403	84.1	5,738	15.9	5,893	-	42,034	100.0
NOON - 02:59P ROW %	43,448	84.7	7,838	15.3	8,892	-	60,178	100.0
03:00P - 05:59P ROW %	58,363	84.4	10,787	15.6	13,118	-	82,268	100.0
06:00P - 08:59P ROW %	26,947	83.0	5,505	17.0	7,350	-	39,802	100.0
09:00P - MIDNGT ROW %	14,664	78.3	4,065	21.7	5,534	-	24,263	100.0
UNKNOWN ROW %	888	83.0	182	17.0	1,001	-	2,071	100.0
TOTAL ROW %	210,585	83.2	42,625	16.8	52,119	-	305,329	100.0

TABLE 3.13.7

1994 MISSOURI TRAFFIC CRASHES
DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES
SEX OF DRIVER BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
MALE	111,488		28,225		24,156		163,869	
ROW %		79.8		20.2		-		100.0
FEMALE	85,127		12,545		13,304		110,976	
ROW %		87.2		12.8		-		100.0
UNKNOWN	13,970		1,855		14,659		30,484	
ROW %		88.3		11.7		-		100.0
TOTAL	210,585		42,625		52,119		305,329	
ROW %		83.2		16.8		-		100.0

TABLE 3.13.8

1994 MISSOURI TRAFFIC CRASHES
DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES
DRIVER EJECTION BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
TOTAL EJECTION	55		681		85		821	
ROW %		7.5		92.5		-		100.0
PARTIAL EJECTION	84		192		42		318	
ROW %		30.4		69.6		-		100.0
NO EJECTION	196,248		39,767		36,490		272,505	
ROW %		83.2		16.8		-		100.0
UNKNOWN	14,198		1,985		15,502		31,685	
ROW %		87.7		12.3		-		100.0
TOTAL	210,585		42,625		52,119		305,329	
ROW %		83.2		16.8		-		100.0

TABLE 3.13.9

1994 MISSOURI TRAFFIC CRASHES
DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES
AGE OF DRIVER BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
AVERAGE AGE OF DRIVER	37.0	-	33.9	-	36.3	-	36.5	-
15 YEARS AND UNDER	396		275		125		796	
ROW %		59.0		41.0		-		100.0
16 - 20 YEARS	34,328		10,616		5,060		50,004	
ROW %		76.4		23.6		-		100.0
21 - 25 YEARS	28,533		6,541		4,856		39,930	
ROW %		81.4		18.6		-		100.0
26 - 30 YEARS	25,289		4,726		4,294		34,309	
ROW %		84.3		15.7		-		100.0
31 - 35 YEARS	25,201		4,784		4,200		34,185	
ROW %		84.1		15.9		-		100.0
36 - 40 YEARS	22,055		3,702		3,430		29,187	
ROW %		85.6		14.4		-		100.0
41 - 45 YEARS	18,088		2,649		2,645		23,382	
ROW %		87.2		12.8		-		100.0
46 - 50 YEARS	13,725		2,017		1,889		17,631	
ROW %		87.2		12.8		-		100.0
51 - 55 YEARS	10,233		1,618		1,526		13,377	
ROW %		86.4		13.6		-		100.0
56 - 60 YEARS	7,932		1,318		1,151		10,401	
ROW %		85.8		14.2		-		100.0
61 - 65 YEARS	6,547		1,076		940		8,563	
ROW %		85.9		14.1		-		100.0
66 YEARS AND OVER	16,858		2,937		2,367		22,162	
ROW %		85.2		14.8		-		100.0
UNKNOWN	1,400		366		19,636		21,402	
ROW %		79.3		20.7		-		100.0
TOTAL	210,585		42,625		52,119		305,329	
ROW %		83.2		16.8		-		100.0

TABLE 3.13.10

1994 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

DRIVER'S LICENSE STATE AND TYPE BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
MISSOURI							
LEARNER'S PERMIT	594		164		111	869	
ROW %	78.4		21.6		-	100.0	
FOR HIRE	4,861		1,530		666	7,057	
ROW %	76.1		23.9		-	100.0	
OPERATOR'S LICENSE	148,147		30,074		23,355	201,576	
ROW %	83.1		16.9		-	100.0	
MOTORCYCLE ONLY	32		8		13	53	
ROW %	80.0		20.0		-	100.0	
COMMERCIAL DRIVER'S LICENSE	8,157		2,411		1,351	11,919	
ROW %	77.2		22.8		-	100.0	
SUB-TOTAL	161,791		34,187		25,496	221,474	
ROW %	82.6		17.4		-	100.0	
OUT STATE							
LEARNER'S PERMIT	51		8		9	68	
ROW %	86.4		13.6		-	100.0	
FOR HIRE	218		38		31	287	
ROW %	85.2		14.8		-	100.0	
OPERATOR'S LICENSE	18,956		2,276		2,861	24,093	
ROW %	89.3		10.7		-	100.0	
MOTORCYCLE ONLY	8		2		0	10	
ROW %	80.0		20.0		-	100.0	
COMMERCIAL DRIVER'S LICENSE	3,018		343		458	3,819	
ROW %	89.8		10.2		-	100.0	
SUB-TOTAL	22,251		2,667		3,359	28,277	
ROW %	89.3		10.7		-	100.0	
UNLICENSED	2,118		1,731		1,026	4,875	
ROW %	55.0		45.0		-	100.0	
UNKNOWN	24,425		4,040		22,238	50,703	
ROW %	85.8		14.2		-	100.0	
TOTAL	210,585		42,625		52,119	305,329	
ROW %	83.2		16.8		-	100.0	

TABLE 3.13.11

1994 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

TYPE OF VEHICLE DRIVEN BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
AUTOMOBILE ROW %	150,425	87.2	22,014	12.8	36,039	-	208,478 100.0
SPORT UTILITY VEHICLE ROW %	9,431	86.0	1,535	14.0	1,894	-	12,860 100.0
VAN ROW %	14,158	88.7	1,813	11.3	2,871	-	18,842 100.0
MOTORHOME/CAMPER ROW %	182	84.7	33	15.3	29	-	244 100.0
TRUCK ROW %	36,389	67.9	17,230	32.1	11,286	-	64,905 100.0
TOTAL ROW %	210,585	83.2	42,625	16.8	52,119	-	305,329 100.0

TABLE 3.13.12

1994 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

DRIVER INTOXICATION BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
DRINKING ROW %	2,934	44.2	3,702	55.8	2,352	-	8,988 100.0
DRUGS ROW %	67	45.3	81	54.7	59	-	207 100.0
DRINKING AND DRUGS ROW %	49	29.0	120	71.0	104	-	273 100.0
NO DRINKING/DRUGS ROW %	202,451	84.3	37,842	15.7	45,337	-	285,630 100.0
UNKNOWN ROW %	5,084	85.2	880	14.8	4,267	-	10,231 100.0
TOTAL ROW %	210,585	83.2	42,625	16.8	52,119	-	305,329 100.0

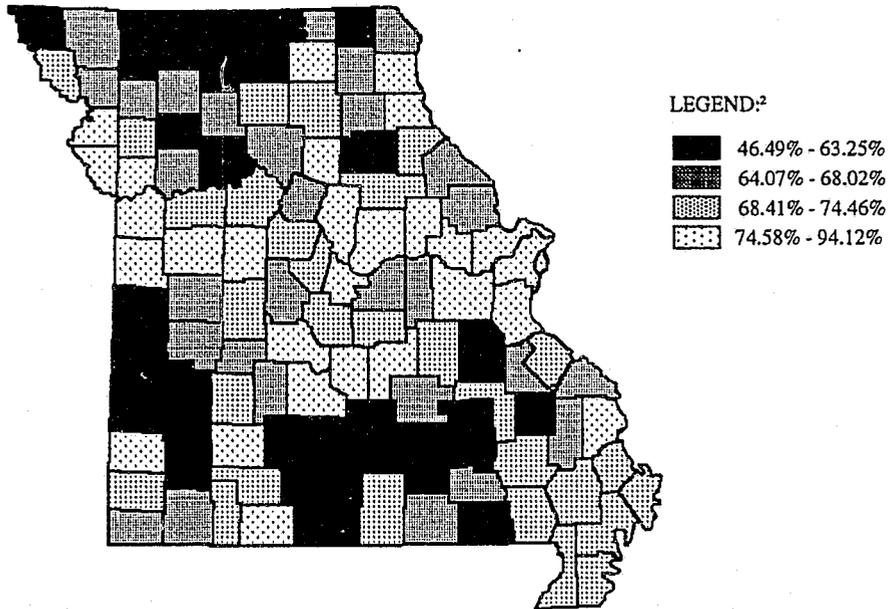
TABLE 3.13.13

1994 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

SEAT BELT USAGE RATES¹

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

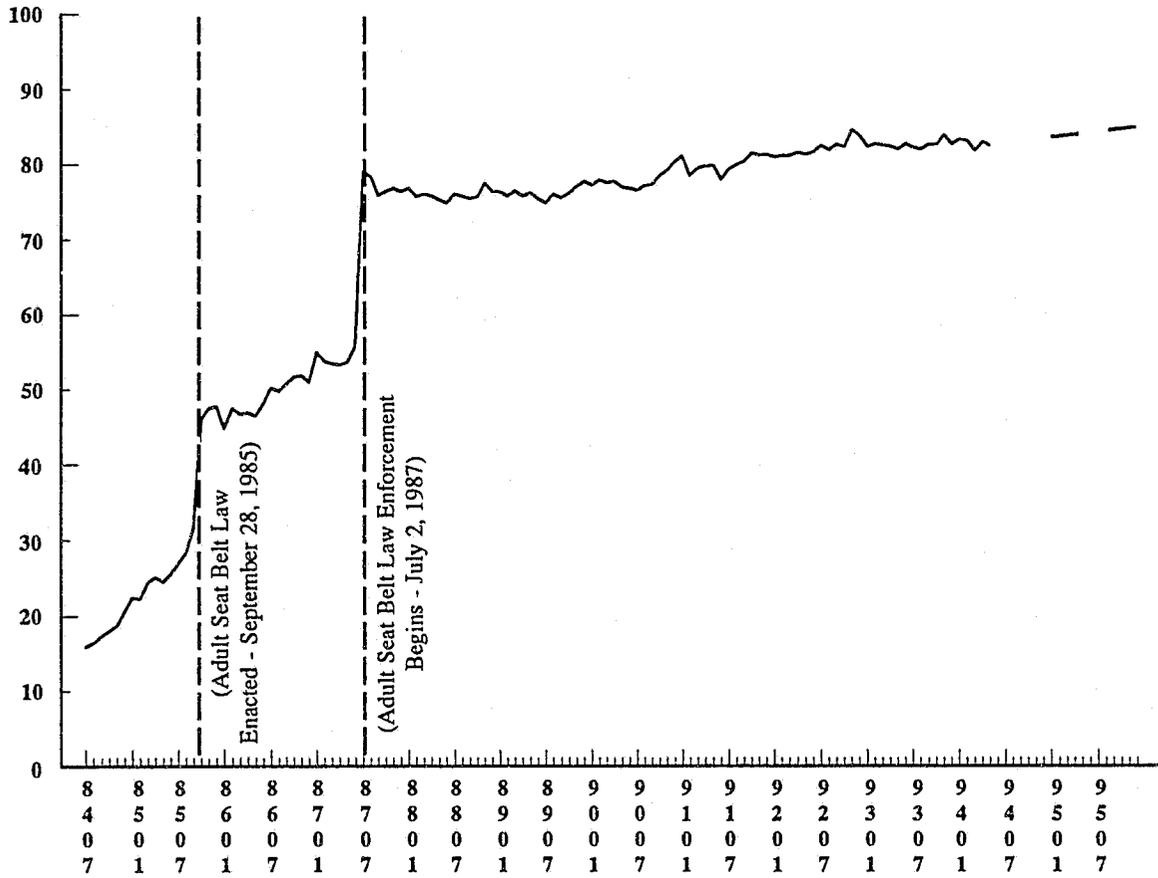
RANK	COUNTY	DRIVER USAGE RATE	RANK	COUNTY	DRIVER USAGE RATE
1.0	DADE	46.49	18.0	GRUNDY	61.04
2.0	WORTH	51.22	19.0	HARRISON	61.07
3.0	SHANNON	52.07	20.0	VERNON	61.78
4.0	DOUGLAS	52.08	21.0	WASHINGTON	62.20
5.0	MERCER	52.21	22.5	MONROE	62.50
6.0	SULLIVAN	53.44	22.5	SCOTLAND	62.50
7.0	PUTNAM	55.56	24.0	ATCHISON	62.79
8.0	REYNOLDS	57.01	25.0	OZARK	62.83
9.0	CARROLL	57.38	26.0	MADISON	62.92
10.0	BATES	57.44	27.0	WEBSTER	63.07
11.0	TEXAS	58.03	28.0	LAWRENCE	63.25
12.0	GENTRY	58.33			First Quartile
13.0	WRIGHT	58.61			
14.0	BARTON	59.59			Second Quartile
15.0	CALDWELL	60.10	29.0	HICKORY	64.07
16.0	CEDAR	60.57	30.0	LINCOLN	64.24
17.0	RIPLEY	60.91	31.0	BOLLINGER	64.26

RANK	COUNTY	DRIVER USAGE RATE	RANK	COUNTY	DRIVER USAGE RATE
32.0	SHELBY	64.42	74.0	LAFAYETTE	70.98
33.0	RAY	64.71	75.0	IRON	71.25
34.0	CARTER	64.81	76.0	RALLS	71.79
35.0	KNOX	64.86	77.0	SCOTT	71.85
36.0	PERRY	64.89	78.0	AUDRAIN	72.62
37.0	CHARITON	64.94	79.0	MARIES	72.84
38.0	DALLAS	65.02	80.0	CHRISTIAN	73.42
39.0	HOWARD	65.53	81.0	COOPER	73.53
40.0	CLARK	65.91	82.0	STE. GENEVIEVE	73.54
41.0	BARRY	66.03	83.0	HOWELL	73.64
42.0	DAVISS	66.18	84.0	BUTLER	73.81
43.0	MORGAN	66.32	85.0	STONE	74.36
44.0	DEKALB	66.35	86.0	NEWTON	74.46
45.0	OREGON	66.67			
46.0	NODAWAY	66.81			Third Quartile
47.0	HENRY	67.13			
48.0	ST. CLAIR	67.24			Fourth Quartile
49.0	PIKE	67.25	87.0	MONTGOMERY	74.58
50.0	OSAGE	67.42	88.0	LEWIS	74.60
51.0	ST. FRANCOIS	67.50	89.0	PETTIS	75.12
52.0	SCHUYLER	67.69	90.0	CALLAWAY	75.36
53.0	MCDONALD	67.78	91.0	CASS	75.50
54.0	LIVINGSTON	67.82	92.0	LACLEDE	76.47
55.0	GASCONADE	67.85	93.0	FRANKLIN	76.80
56.0	ANDREW	67.91	94.0	ADAIR	76.87
57.0	DENT	68.02	95.0	BUCHANAN	77.37
		Second Quartile	96.0	RANDOLPH	78.05
			97.0	TANEY	79.29
		Third Quartile	98.0	JASPER	79.38
58.0	MONITEAU	68.41	99.0	WARREN	79.60
59.0	MISSISSIPPI	68.53	100.0	GREENE	79.85
60.0	BENTON	68.57	101.0	MARION	79.96
61.0	MACON	68.70	102.0	CAPE GIRARDEAU	80.61
62.0	PEMISCOTT	68.77	103.0	COLE	80.93
63.0	HOLT	68.86	104.0	PHELPS	81.14
64.0	STODDARD	69.18	105.0	CAMDEN	81.59
65.0	WAYNE	69.23	106.0	PULASKI	81.91
66.0	SALINE	69.65	107.0	JOHNSON	81.93
67.0	CLINTON	69.79	108.0	JEFFERSON	81.96
68.5	DUNKLIN	70.17	109.0	PLATTE	85.32
68.5	POLK	70.17	110.0	CLAY	85.45
70.0	LINN	70.30	111.0	BOONE	86.14
71.0	CRAWFORD	70.31	112.0	JACKSON	87.43
72.0	MILLER	70.54	113.0	ST. CHARLES	88.46
73.0	NEW MADRID	70.65	114.0	ST. LOUIS	91.94
			115.0	ST. LOUIS CITY	94.12

This table contains a ranking of Missouri counties by the driver seat belt usage rates associated with 1994 traffic crashes. Drivers whose seat belt usage was unknown have been excluded. Counties have been ranked based upon the worst driver usage rates. (Dade County is first due to its having the lowest usage rate of all counties in the State. Only 46.49% of the drivers involved in crashes in Dade County were wearing seat belts).

TABLE 3.13.14

**PERCENT OF DRIVERS WEARING SEAT BELTS¹
MONTHLY TIME SERIES**



¹Because the Missouri adult seat belt law as well as its enforcement provisions were enacted mid-year, time series analysis is based on monthly data.

FIGURE 3.13.1

AUTOMOBILE / TRUCK / VAN / MOTOR HOME OCCUPANTS UNDER THE AGE OF FOUR YEARS

KILLED AND INJURED IN MISSOURI TRAFFIC CRASHES

1981-1983 AVERAGE COMPARED TO 1984-1993 AVERAGE AND 1994¹

	1981 - 1983 AVERAGE ²	1984 - 1993 AVERAGE ²	% OF CHANGE 1981 - 1983 AVERAGE	1994	% OF CHANGE 1981 - 1983 AVERAGE
KILLED	11	11	= 0.0	11	= 0.0
MAJOR DISABLING	71	83	+ 16.9	120	+ 69.0
EVIDENT	626	534	- 14.7	600	- 4.2
PROBABLE	464	489	+ 5.4	742	+ 59.9
TOTAL	1,171	1,117	- 4.6	1,473	+ 25.8

¹1981 - 1983 data concerning occupants under the age of four years were used as a base for this comparison due to the fact that infant restraint legislation was enacted in the State of Missouri in January of 1984.

²Due to rounding, the "Total" average does not equal the sum of all personal injury level averages in this column.

TABLE 3.13.15

4.0 MISSOURI COUNTY AND CITY TRAFFIC CRASH ANALYSIS

A SERIES OF TABLES SUMMARIZES 1994 TRAFFIC CRASH ACTIVITY ASSOCIATED WITH ALL COUNTIES, AS WELL AS ALL CITIES HAVING POPULATIONS OF 1,000 OR MORE IN THE STATE OF MISSOURI. IN ADDITION, THE TABLES DISPLAY THE PROPORTION OF EACH COMMUNITY'S TRAFFIC CRASH ACTIVITY RELATED TO THE PROBLEM AREAS DISCUSSED IN SECTION 3.0 OF THIS COMPENDIUM WITH THE EXCEPTION OF SEAT BELT USAGE. PLEASE NOTE THAT ALL 1994 TRAFFIC CRASHES OCCURRING IN A GIVEN COMMUNITY ARE DISPLAYED REGARDLESS OF THE LAW ENFORCEMENT AGENCY THAT INVESTIGATED THE TRAFFIC CRASH.

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY ¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR	
					UND 21 INV	65 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV	ZONE INV
ADAIR CO	FATAL	6	1	1	1	3	2	0	0	0	1	1	0	0
	INJURY	191	29	17	69	54	12	1	1	11	2	30	0	2
	DAMAGE	444	54	23	138	108	19	1	2	0	0	55	0	0
	TOTAL	641	84	41	208	165	33	2	3	11	3	86	0	2
KIRKSVILLE	FATAL	3	0	0	1	3	1	0	0	0	0	1	0	0
	INJURY	129	15	10	50	36	6	0	1	11	2	9	0	0
	DAMAGE	343	37	18	115	88	7	1	2	0	0	31	0	0
	TOTAL	475	52	28	166	127	14	1	3	11	2	41	0	0
POP UNDER 1000	FATAL	3	1	1	0	0	1	0	0	0	1	0	0	0
	INJURY	62	14	7	19	18	6	1	0	0	0	21	0	2
	DAMAGE	101	17	5	23	20	12	0	0	0	0	24	0	0
	TOTAL	166	32	13	42	38	19	1	0	0	1	45	0	2
ANDREW CO	FATAL	5	3	1	2	0	0	0	0	0	0	4	0	0
	INJURY	106	29	12	51	21	12	1	0	1	1	40	0	0
	DAMAGE	240	31	10	74	63	21	1	0	0	0	46	0	3
	TOTAL	351	63	23	127	84	33	2	0	1	1	90	0	3
COUNTRY CLUB VILLAGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	1	0	0	1	1	0	0	0	0	0	0	0
	DAMAGE	12	3	1	8	1	0	0	0	0	0	0	0	0
	TOTAL	15	4	1	8	2	1	0	0	0	0	0	0	0
ST. JOSEPH / AND	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	1	0	0	1	0	0	0	0	0	0
	DAMAGE	3	0	0	0	0	0	0	0	0	0	1	0	0
	TOTAL	4	1	0	1	0	0	1	0	0	0	1	0	0
SAVANNAH	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	2	1	8	6	0	0	0	0	0	2	0	0
	DAMAGE	74	5	0	32	31	0	0	0	0	0	3	0	0
	TOTAL	85	7	1	40	37	0	0	0	0	0	5	0	0
POP UNDER 1000	FATAL	5	3	1	2	0	0	0	0	0	0	4	0	0
	INJURY	91	25	11	42	14	11	0	0	1	1	38	0	0
	DAMAGE	151	23	9	34	31	21	1	0	0	0	42	0	3
	TOTAL	247	51	21	78	45	32	1	0	1	1	84	0	3
ATCHISON CO	FATAL	2	0	1	1	0	0	0	0	0	0	2	0	0
	INJURY	60	27	12	23	14	11	1	0	0	0	20	0	5
	DAMAGE	72	21	2	13	19	15	0	0	0	0	14	0	6
	TOTAL	134	48	15	37	33	26	1	0	0	0	36	0	11
ROCKPORT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	1	1	0	0	0	0	0	0	1	0	0
	DAMAGE	15	1	0	4	4	1	0	0	0	0	0	0	0
	TOTAL	17	1	1	5	4	1	0	0	0	0	1	0	0
POP UNDER 1000	FATAL	2	0	1	1	0	0	0	0	0	0	2	0	0
	INJURY	58	27	11	22	14	11	1	0	0	0	19	0	5
	DAMAGE	57	20	2	9	15	14	0	0	0	0	14	0	6
	TOTAL	117	47	14	32	29	25	1	0	0	0	35	0	11
AUDRAIN CO	FATAL	4	4	2	1	0	0	0	0	0	0	3	0	0
	INJURY	159	51	22	51	46	17	7	0	5	5	44	0	1
	DAMAGE	329	46	15	89	103	48	1	0	0	0	58	1	2
	TOTAL	492	101	39	141	149	65	8	0	5	5	105	1	3
MEXICO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	70	14	3	26	20	5	3	0	4	3	8	0	1
	DAMAGE	170	12	6	47	64	23	1	0	0	0	16	0	2
	TOTAL	240	26	9	73	84	28	4	0	4	3	24	0	3
VANDALIA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	1	0	6	3	0	0	0	1	2	0	0	0
	DAMAGE	32	1	0	10	12	7	0	0	0	0	2	0	0
	TOTAL	43	2	0	16	15	7	0	0	1	2	2	0	0
POP UNDER 1000	FATAL	4	4	2	1	0	0	0	0	0	0	3	0	0
	INJURY	78	36	19	19	23	12	4	0	0	0	36	0	0
	DAMAGE	127	33	9	32	27	18	0	0	0	0	40	1	0
	TOTAL	209	73	30	52	50	30	4	0	0	0	79	1	0
BARRY CO	FATAL	9	2	3	2	5	2	0	0	0	0	4	0	0
	INJURY	228	56	41	69	63	27	12	4	6	6	61	2	0
	DAMAGE	532	106	46	151	138	66	2	5	0	0	125	2	4
	TOTAL	769	164	90	222	206	95	14	9	6	6	190	4	4

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
CASSVILLE	FATAL	1	0	0	0	1	1	0	0	0	0	0	0
	INJURY	33	6	4	11	13	3	0	1	0	3	5	0
	DAMAGE	84	4	5	31	29	5	1	0	0	0	14	0
	TOTAL	118	10	9	42	43	9	1	1	0	3	19	0
MONETT / BAR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	46	4	2	14	18	3	1	0	4	1	3	1
	DAMAGE	154	16	8	45	48	13	0	2	0	0	23	0
	TOTAL	200	20	10	59	66	16	1	2	4	1	26	1
POP UNDER 1000	FATAL	8	2	3	2	4	1	0	0	0	0	4	0
	INJURY	149	46	35	44	32	21	11	3	2	2	53	1
	DAMAGE	294	86	33	75	61	48	1	3	0	0	88	2
	TOTAL	451	134	71	121	97	70	12	6	2	2	145	3
BARTONCO	FATAL	6	3	1	0	3	1	0	0	0	0	3	0
	INJURY	68	24	11	26	12	4	2	0	1	0	26	1
	DAMAGE	145	14	7	38	53	22	0	1	0	0	22	2
	TOTAL	219	41	19	64	68	27	2	1	1	0	51	3
LAMAR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	2	0	8	6	0	1	0	1	0	0	0
	DAMAGE	61	1	1	20	28	3	0	1	0	0	6	0
	TOTAL	76	3	1	28	34	3	1	1	1	0	6	0
POP UNDER 1000	FATAL	6	3	1	0	3	1	0	0	0	0	3	0
	INJURY	53	22	11	18	6	4	1	0	0	0	26	1
	DAMAGE	84	13	6	18	25	19	0	0	0	0	16	2
	TOTAL	143	38	18	36	34	24	1	0	0	0	45	3
BATESCO	FATAL	1	0	0	1	0	0	0	0	0	0	0	0
	INJURY	114	35	19	42	26	7	3	2	1	2	52	0
	DAMAGE	217	37	8	61	52	24	0	3	0	0	41	0
	TOTAL	332	72	27	104	78	31	3	5	1	2	93	0
ADRIAN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	1	0	0	0	0	0	0	0	0
	DAMAGE	9	1	1	5	2	0	0	0	0	0	1	0
	TOTAL	10	1	1	6	2	0	0	0	0	0	1	0
BUTLER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	27	3	2	14	8	2	0	1	1	0	5	0
	DAMAGE	65	2	2	26	25	3	0	1	0	0	6	0
	TOTAL	92	5	4	40	33	5	0	2	1	0	11	0
RICH HILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	0	0	0	0	0	0	1	0
	DAMAGE	9	1	0	3	4	1	0	0	0	0	1	0
	TOTAL	11	1	0	3	4	1	0	0	0	0	2	0
POP UNDER 1000	FATAL	1	0	0	1	0	0	0	0	0	0	0	0
	INJURY	84	32	17	27	18	5	3	1	0	2	46	0
	DAMAGE	134	53	5	27	21	20	0	2	0	0	33	0
	TOTAL	219	65	22	55	39	25	3	3	0	2	79	0
BENTONCO	FATAL	6	3	2	1	4	1	0	0	0	0	2	0
	INJURY	96	35	20	28	20	6	1	0	0	0	46	0
	DAMAGE	239	49	18	42	73	40	0	3	0	1	70	0
	TOTAL	341	87	40	71	97	47	1	3	0	1	118	0
COLE CAMP	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	4	0	0	1	2	1	0	0	0	0	0	0
	TOTAL	5	0	0	1	2	1	0	0	0	0	0	0
WARSAW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	13	2	1	6	4	1	0	0	0	0	6	0
	DAMAGE	42	4	1	6	17	0	0	2	0	0	6	0
	TOTAL	55	6	2	12	21	1	0	2	0	0	12	0
POP UNDER 1000	FATAL	6	3	2	1	4	1	0	0	0	0	2	0
	INJURY	82	33	19	22	16	5	1	0	0	0	40	0
	DAMAGE	193	45	17	35	54	39	0	1	0	1	64	0
	TOTAL	281	81	38	58	74	45	1	1	0	1	106	0
BOLLINGER CO	FATAL	2	1	2	0	0	0	0	0	0	0	1	0
	INJURY	60	19	13	23	8	4	0	0	0	1	31	0
	DAMAGE	138	23	9	36	31	17	0	1	0	0	53	0
	TOTAL	200	43	24	59	39	21	0	1	0	1	85	0

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
MARBLE HILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	3	0	0	0	2	1	0	0	0	2	0	0
	TOTAL	3	0	0	0	2	1	0	0	0	2	0	0
POP UNDER 1000	FATAL	2	1	2	0	0	0	0	0	0	1	0	0
	INJURY	60	19	13	23	8	4	0	0	1	31	0	0
	DAMAGE	135	23	9	36	29	16	0	1	0	51	0	1
	TOTAL	197	43	24	59	37	20	0	1	1	83	0	1
BOONE CO	FATAL	18	7	10	8	3	2	0	0	6	6	0	0
	INJURY	1028	146	100	336	196	57	30	5	39	39	180	1
	DAMAGE	3001	297	96	858	536	208	11	31	10	3	302	1
	TOTAL	4047	450	206	1202	735	267	41	36	49	48	488	2
ASHLAND	FATAL	1	0	0	1	0	0	0	0	1	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	24	1	0	9	6	2	0	0	1	0	1	1
	TOTAL	25	1	0	10	6	2	0	0	1	1	1	1
CENTRALIA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	0	0	4	4	0	0	0	0	0	0	0
	DAMAGE	55	3	2	20	17	9	0	0	0	10	0	0
	TOTAL	63	3	2	24	21	9	0	0	0	10	0	0
COLUMBIA	FATAL	6	2	3	3	1	2	0	0	3	1	0	0
	INJURY	762	86	66	244	155	35	22	1	34	33	82	0
	DAMAGE	2414	212	75	701	441	148	11	27	9	3	180	1
	TOTAL	3182	300	144	948	597	185	33	28	43	39	263	1
POP UNDER 1000	FATAL	11	5	7	4	2	0	0	0	2	5	0	0
	INJURY	258	60	34	88	37	22	8	4	5	6	98	1
	DAMAGE	508	81	19	128	72	49	0	4	0	0	111	0
	TOTAL	777	146	60	220	111	71	8	8	5	8	214	1
BUCHANAN CO	FATAL	7	4	3	1	1	2	1	0	0	0	0	0
	INJURY	789	145	105	269	170	40	23	1	30	36	167	1
	DAMAGE	2213	244	130	578	601	171	9	10	3	2	230	0
	TOTAL	3009	393	238	848	772	213	33	11	33	38	397	1
ST. JOSEPH/ BUC	FATAL	4	2	2	0	0	0	0	0	0	0	0	0
	INJURY	665	108	85	234	142	25	19	1	30	35	111	1
	DAMAGE	2032	196	119	546	566	138	9	9	3	2	185	0
	TOTAL	2701	306	206	780	708	163	28	10	33	37	296	1
POP UNDER 1000	FATAL	3	2	1	1	1	2	1	0	0	0	0	0
	INJURY	124	37	20	35	28	15	4	0	0	1	56	0
	DAMAGE	181	48	11	32	35	33	0	1	0	0	45	0
	TOTAL	308	87	32	68	64	50	5	1	0	1	101	0
BUTLER CO	FATAL	13	2	3	5	4	2	0	0	1	3	5	0
	INJURY	462	83	40	146	119	30	4	3	9	11	77	0
	DAMAGE	1111	88	41	311	335	96	2	5	2	0	118	3
	TOTAL	1586	173	84	462	458	128	6	8	12	14	200	3
POPLAR BLUFF	FATAL	3	1	0	0	1	0	0	0	2	0	0	0
	INJURY	294	40	11	88	85	11	3	1	7	9	24	0
	DAMAGE	758	55	12	218	253	44	1	4	2	0	47	2
	TOTAL	1055	96	23	306	339	55	4	5	9	11	71	2
POP UNDER 1000	FATAL	10	1	3	5	3	2	0	0	1	1	5	0
	INJURY	168	43	29	58	34	19	1	2	2	2	53	0
	DAMAGE	353	33	29	93	82	52	1	1	0	0	71	1
	TOTAL	531	77	61	156	119	73	2	3	3	3	129	1
CALDWELL CO	FATAL	4	2	0	1	3	2	0	0	0	0	0	0
	INJURY	44	14	8	10	13	6	0	0	1	0	20	0
	DAMAGE	99	11	3	33	22	17	0	0	0	0	19	1
	TOTAL	147	27	11	44	38	25	0	0	1	0	39	1
HAMILTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	0	0	0	0	1	0	0	0
	DAMAGE	26	2	0	12	8	3	0	0	0	0	0	1
	TOTAL	28	2	0	12	8	3	0	0	1	0	0	1
POP UNDER 1000	FATAL	4	2	0	1	3	2	0	0	0	0	0	0
	INJURY	42	14	8	10	13	6	0	0	0	0	20	0
	DAMAGE	73	9	3	21	14	14	0	0	0	0	19	1
	TOTAL	119	25	11	32	30	22	0	0	0	0	39	1

TABLE 40.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR	
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV	ZONE INV
CALLAWAY CO	FATAL	11	5	3	5	2	3	1	0	0	0	5	0	1
	INJURY	276	101	46	83	36	29	9	0	3	7	114	0	4
	DAMAGE	722	120	32	199	158	85	3	6	0	0	139	1	7
	TOTAL	1009	226	81	287	196	117	13	6	3	7	258	1	12
FULTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	50	7	5	18	11	1	2	0	2	5	6	0	1
	DAMAGE	259	15	6	90	69	19	1	4	0	0	35	0	0
	TOTAL	309	22	11	108	80	20	3	4	2	5	41	0	1
HOLTSUMMIT	FATAL	1	1	0	1	0	0	0	0	0	0	1	0	0
	INJURY	5	3	1	1	1	0	0	0	0	0	1	0	0
	DAMAGE	21	4	2	4	7	2	0	0	0	0	2	0	0
	TOTAL	27	8	3	6	8	2	0	0	0	0	4	0	0
JEFFERSON CITY / CAL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	2	2	2	2	2	0	0	0	0	4	0	2
	DAMAGE	14	0	0	5	5	1	0	0	0	0	1	0	0
	TOTAL	25	2	2	7	7	3	0	0	0	0	5	0	2
POP UNDER 1000	FATAL	10	4	3	4	2	3	1	0	0	0	4	0	1
	INJURY	210	89	38	62	22	26	7	0	1	2	103	0	1
	DAMAGE	428	101	24	100	77	63	2	2	0	0	101	1	7
	TOTAL	648	194	65	166	101	92	10	2	1	2	208	1	9
CAMDEN CO	FATAL	6	2	1	5	2	1	0	0	0	0	3	0	0
	INJURY	286	88	47	91	84	28	11	2	3	6	88	0	3
	DAMAGE	772	95	38	233	225	67	4	5	0	0	119	3	23
	TOTAL	1064	185	86	329	311	96	15	7	3	6	210	3	26
CAMDENTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	20	1	0	4	8	2	0	1	1	1	0	0	0
	DAMAGE	145	4	0	47	54	12	1	3	0	0	9	0	0
	TOTAL	165	5	0	51	62	14	1	4	1	1	9	0	0
OSAGE BEACH / CAM	FATAL	1	0	0	1	0	0	0	0	0	0	0	0	0
	INJURY	78	14	11	29	29	9	3	0	0	1	9	0	3
	DAMAGE	269	21	9	75	80	26	3	1	0	0	27	2	21
	TOTAL	348	35	20	105	109	35	6	1	0	1	36	2	24
POP UNDER 1000	FATAL	5	2	1	4	2	1	0	0	0	0	3	0	0
	INJURY	188	73	36	58	47	17	8	1	2	4	79	0	0
	DAMAGE	358	70	29	111	91	29	0	1	0	0	83	1	2
	TOTAL	551	145	66	173	140	47	8	2	2	4	165	1	2
CAPE GIRARDEAU CO	FATAL	8	5	2	4	0	1	3	0	0	0	3	0	0
	INJURY	524	96	50	192	137	33	21	2	14	12	106	1	0
	DAMAGE	2402	306	68	765	597	142	7	12	6	2	266	2	12
	TOTAL	2934	407	120	961	734	176	31	14	20	14	375	3	12
CAPE GIRARDEAU	FATAL	4	2	1	1	0	1	1	0	0	0	1	0	0
	INJURY	302	45	34	109	88	22	13	0	11	11	38	1	0
	DAMAGE	1787	216	49	591	453	80	6	6	6	2	147	1	8
	TOTAL	2093	263	84	701	541	103	20	6	17	13	186	2	8
JACKSON	FATAL	1	1	0	1	0	0	1	0	0	0	0	0	0
	INJURY	88	14	1	35	27	3	2	1	3	1	9	0	0
	DAMAGE	281	40	4	88	82	19	1	1	0	0	30	1	0
	TOTAL	370	55	5	124	109	22	4	2	3	1	39	1	0
POP UNDER 1000	FATAL	3	2	1	2	0	0	1	0	0	0	2	0	0
	INJURY	134	37	15	48	22	8	6	1	0	0	59	0	0
	DAMAGE	334	50	15	86	62	43	0	5	0	0	89	0	4
	TOTAL	471	89	31	136	84	51	7	6	0	0	150	0	4
CARROLL CO	FATAL	2	0	1	1	1	0	0	0	0	0	1	0	0
	INJURY	74	35	9	29	12	12	1	0	0	1	35	0	0
	DAMAGE	174	21	6	50	43	14	1	0	0	0	28	0	2
	TOTAL	250	56	16	80	56	26	2	0	0	1	64	0	2
CARROLLTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	18	8	3	9	6	1	0	0	0	0	6	0	0
	DAMAGE	73	7	3	29	25	1	0	0	0	0	7	0	0
	TOTAL	91	15	6	38	31	2	0	0	0	0	13	0	0
POP UNDER 1000	FATAL	2	0	1	1	1	0	0	0	0	0	1	0	0
	INJURY	56	27	6	20	6	11	1	0	0	1	29	0	0
	DAMAGE	101	14	3	21	18	13	1	0	0	0	21	0	2
	TOTAL	159	41	10	42	25	24	2	0	0	1	51	0	2

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES- TRIAN INV	FIXED OBJECT INV	HAZARD MATL INV	CONSTR ZONE INV	
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV					BIKE INV
CARTER CO	FATAL	4	3	1	1	0	0	0	0	0	1	0	0	
	INJURY	42	18	3	11	7	12	0	0	1	12	0	0	
	DAMAGE	85	11	4	21	26	19	0	0	0	15	0	2	
	TOTAL	131	32	8	33	33	31	0	0	1	28	0	2	
POP UNDER 1000	FATAL	4	3	1	1	0	0	0	0	0	1	0	0	
	INJURY	42	18	3	11	7	12	0	0	1	12	0	0	
	DAMAGE	85	11	4	21	26	19	0	0	0	15	0	2	
	TOTAL	131	32	8	33	33	31	0	0	1	28	0	2	
CASS CO	FATAL	7	3	1	4	1	0	0	0	0	3	0	0	
	INJURY	450	123	44	181	97	21	8	3	4	11	118	0	1
	DAMAGE	1054	182	31	360	229	79	1	10	1	0	177	0	2
	TOTAL	1511	308	76	545	327	100	9	13	5	11	298	0	3
BELTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	
	INJURY	133	26	13	47	34	5	3	2	3	3	20	0	1
	DAMAGE	300	40	6	103	80	18	1	5	0	0	37	0	0
	TOTAL	433	66	19	150	114	23	4	7	3	3	57	0	1
GARDEN CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	
	INJURY	6	3	0	3	0	0	0	0	0	1	0	0	
	DAMAGE	11	1	0	3	3	1	0	0	0	0	0	0	
	TOTAL	17	4	0	6	3	1	0	0	0	1	0	0	
HARRISONVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	
	INJURY	50	6	8	21	19	1	0	0	0	4	8	0	0
	DAMAGE	217	28	5	90	59	8	0	1	0	0	25	0	0
	TOTAL	267	34	13	111	78	9	0	1	0	4	33	0	0
KANSAS CITY / CAS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	
	DAMAGE	1	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL	1	0	0	0	0	0	0	0	0	0	0	0	
LEE'S SUMMIT / CAS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	
	DAMAGE	2	0	0	2	0	0	0	0	0	1	0	0	
	TOTAL	2	0	0	2	0	0	0	0	0	1	0	0	
PECULIAR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	
	INJURY	3	2	0	1	0	0	0	0	0	1	0	0	
	DAMAGE	22	5	0	7	2	0	0	0	0	4	0	0	
	TOTAL	25	7	0	8	2	0	0	0	0	5	0	0	
PLEASANT HILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	
	INJURY	17	5	0	10	3	1	0	0	0	1	3	0	0
	DAMAGE	46	11	4	24	8	2	0	0	0	0	5	0	2
	TOTAL	63	16	4	34	11	3	0	0	0	1	8	0	2
RAYMORE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	
	INJURY	33	4	2	16	11	0	0	0	1	7	0	0	
	DAMAGE	86	14	2	28	12	5	0	2	1	0	15	0	0
	TOTAL	119	18	4	44	23	5	0	2	1	1	22	0	0
POP UNDER 1000	FATAL	7	3	1	4	1	0	0	0	0	3	0	0	
	INJURY	208	77	21	83	30	14	5	1	1	2	78	0	0
	DAMAGE	369	83	14	103	65	45	0	2	0	0	90	0	0
	TOTAL	584	163	36	190	96	59	5	3	1	2	171	0	0
CEDARCO	FATAL	1	0	0	1	1	0	0	0	0	0	0	0	
	INJURY	65	15	10	22	19	7	0	0	1	2	19	0	0
	DAMAGE	188	31	10	62	57	10	0	0	0	0	46	0	1
	TOTAL	254	46	20	85	77	17	0	0	1	2	65	0	1
EL DORADO SPRINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	
	INJURY	15	1	1	5	7	0	0	0	1	2	1	0	0
	DAMAGE	83	8	2	35	25	3	0	0	0	0	13	0	0
	TOTAL	98	9	3	40	32	3	0	0	1	2	14	0	0
STOCKTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	
	INJURY	4	1	0	2	0	0	0	0	0	1	0	0	
	DAMAGE	15	0	0	4	9	0	0	0	0	1	0	0	
	TOTAL	19	1	0	6	9	0	0	0	0	2	0	0	
POP UNDER 1000	FATAL	1	0	0	1	1	0	0	0	0	0	0	0	
	INJURY	46	13	9	15	12	7	0	0	0	0	17	0	0
	DAMAGE	90	23	8	23	23	7	0	0	0	0	32	0	1
	TOTAL	137	36	17	39	36	14	0	0	0	0	49	0	1

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY ¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
CHARITONCO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	47	17	10	18	7	4	1	1	0	25	0	0
	DAMAGE	159	15	4	40	46	19	0	1	0	20	0	1
	TOTAL	206	32	14	58	53	23	1	2	0	45	0	1
BRUNSWICK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	1	0	0	0	0	0	0	0
	DAMAGE	2	0	0	1	0	0	0	0	0	0	0	0
	TOTAL	3	0	0	1	1	0	0	0	0	0	0	0
GLASGOW / CHA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	1	0	0	1	0	0	0	0	0
	DAMAGE	2	1	0	1	0	0	0	0	0	0	0	0
	TOTAL	3	1	0	2	0	0	1	0	0	0	0	0
SALISBURY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	0	1	0	0	0	0	0	0	0
	DAMAGE	50	2	0	16	21	2	0	0	0	3	0	0
	TOTAL	53	2	0	16	22	2	0	0	0	3	0	0
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	42	17	10	17	5	4	0	1	0	25	0	0
	DAMAGE	105	12	4	22	25	17	0	1	0	17	0	1
	TOTAL	147	29	14	39	30	21	0	2	0	42	0	1
CHRISTIANCE	FATAL	13	4	4	2	10	3	0	0	0	5	1	0
	INJURY	261	65	20	98	72	18	6	1	0	73	0	2
	DAMAGE	603	126	21	217	145	73	1	5	1	119	1	3
	TOTAL	877	195	45	317	227	94	7	6	1	197	2	5
NIXA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	37	5	2	13	15	0	0	1	0	4	0	0
	DAMAGE	125	21	2	51	33	6	0	0	1	9	1	0
	TOTAL	162	26	4	64	48	6	0	1	1	13	1	0
OZARK	FATAL	1	0	0	0	0	1	0	0	0	0	0	0
	INJURY	34	7	1	19	7	1	0	0	0	4	0	0
	DAMAGE	100	23	0	42	30	8	1	1	0	11	0	0
	TOTAL	135	30	1	61	37	10	1	1	0	15	0	0
POP UNDER 1000	FATAL	12	4	4	2	10	2	0	0	0	5	1	0
	INJURY	190	53	17	66	50	17	6	0	5	65	0	2
	DAMAGE	378	82	19	124	82	59	0	4	0	99	0	3
	TOTAL	580	139	40	192	142	78	6	4	0	169	1	5
CLARKCO	FATAL	8	1	4	0	4	1	0	0	0	5	0	0
	INJURY	59	7	9	23	13	8	2	0	1	24	1	0
	DAMAGE	118	11	2	36	30	23	0	1	0	23	2	1
	TOTAL	185	19	15	59	47	32	2	1	1	52	3	1
KAHOKA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	0	1	2	0	0	0	1	0	0	0
	DAMAGE	30	1	0	15	10	1	0	1	0	0	0	0
	TOTAL	34	1	0	16	12	1	0	1	1	0	0	0
POP UNDER 1000	FATAL	8	1	4	0	4	1	0	0	0	5	0	0
	INJURY	55	7	9	22	11	8	2	0	0	24	1	0
	DAMAGE	88	10	2	21	20	22	0	0	0	23	2	1
	TOTAL	151	18	15	43	35	31	2	0	0	52	3	1
CLAYCO	FATAL	21	7	4	7	4	1	4	0	0	11	0	0
	INJURY	1529	328	127	504	341	89	33	6	17	35	291	2
	DAMAGE	4288	542	137	1054	815	292	13	33	4	0	641	5
	TOTAL	5838	877	268	1565	1160	382	50	39	21	35	943	7
CLAYCOMO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	34	9	5	9	9	4	0	0	0	1	8	0
	DAMAGE	69	8	3	13	18	8	1	1	0	14	0	1
	TOTAL	103	17	8	22	27	12	1	1	0	22	0	1
EXCELSIOR SPRINGS/ CLA	FATAL	1	0	0	0	0	0	0	0	0	0	0	0
	INJURY	112	23	6	44	26	3	2	1	4	4	14	0
	DAMAGE	266	38	13	78	41	27	0	6	0	0	51	0
	TOTAL	379	61	19	122	67	30	2	7	4	4	65	0
GLADSTONE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	183	24	6	71	46	6	4	0	1	4	13	0
	DAMAGE	441	50	8	154	100	5	1	1	2	0	43	1
	TOTAL	624	74	14	225	146	11	5	1	3	4	56	1

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY ¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR	
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV	ZONE INV
KANSAS CITY / CLA	FATAL	8	4	1	2	1	1	2	0	0	0	4	0	0
	INJURY	617	124	56	189	121	27	16	2	10	20	119	0	2
	DAMAGE	2022	214	74	429	356	81	9	14	1	0	304	0	2
	TOTAL	2647	342	131	620	478	109	27	16	11	20	427	0	4
KEARNEY	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	21	8	0	12	3	1	1	0	0	0	2	0	0
	DAMAGE	83	7	1	30	17	5	0	0	0	0	8	0	0
	TOTAL	105	15	1	42	20	6	1	0	0	0	11	0	0
LAWSON / CLA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	1	1	0	0	0	0	0	0	0	0
	DAMAGE	8	0	0	3	2	0	0	0	0	0	1	0	0
	TOTAL	9	1	0	4	3	0	0	0	0	0	1	0	0
LIBERTY	FATAL	2	1	2	1	0	0	0	0	0	0	1	0	0
	INJURY	194	49	13	71	51	8	3	2	2	3	37	0	7
	DAMAGE	521	78	9	161	122	36	1	3	0	0	59	0	16
	TOTAL	717	128	24	233	173	44	4	5	2	3	97	0	23
NORTH KANSAS CITY	FATAL	2	1	0	0	1	0	1	0	0	0	0	0	0
	INJURY	151	24	14	33	44	17	3	1	0	2	16	0	0
	DAMAGE	447	50	11	67	80	79	0	2	0	0	49	0	0
	TOTAL	600	75	25	100	125	96	4	3	0	2	65	0	0
PLEASANT VALLEY	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	30	2	1	4	7	1	0	0	0	0	3	0	0
	DAMAGE	62	3	0	12	13	9	0	0	0	0	6	1	1
	TOTAL	93	5	1	16	20	10	0	0	0	0	10	1	1
SMITHVILLE	FATAL	1	0	1	1	0	0	0	0	0	0	0	0	0
	INJURY	30	9	4	17	7	3	2	0	0	0	5	0	0
	DAMAGE	83	25	0	28	21	1	0	2	1	0	12	0	1
	TOTAL	114	34	5	46	28	4	2	2	1	0	17	0	1
POP UNDER 1000	FATAL	5	1	0	3	2	0	1	0	0	0	4	0	0
	INJURY	156	55	22	53	26	19	2	0	0	1	74	2	1
	DAMAGE	286	69	18	79	45	41	1	4	0	0	94	3	3
	TOTAL	447	125	40	135	73	60	4	4	0	1	172	5	4
CLINTONCO	FATAL	2	2	0	0	2	1	0	0	0	0	0	0	1
	INJURY	105	35	16	33	14	11	2	1	1	5	51	0	0
	DAMAGE	214	42	19	58	43	26	1	3	1	0	51	0	0
	TOTAL	321	79	35	91	59	38	3	4	2	5	102	0	1
CAMERON / CLI	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	16	0	1	5	3	0	0	0	1	3	0	0	0
	DAMAGE	73	4	2	28	17	4	0	1	1	0	6	0	0
	TOTAL	89	4	3	33	20	4	0	1	2	3	6	0	0
GOWER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	6	2	1	3	1	0	0	0	0	0	1	0	0
	TOTAL	6	2	1	3	1	0	0	0	0	0	1	0	0
LATHROP	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	1	2	2	1	0	0	0	0	1	2	0	0
	DAMAGE	12	3	2	4	5	1	0	0	0	0	0	0	0
	TOTAL	17	4	4	6	6	1	0	0	0	1	2	0	0
PLATTSBURG	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	1	0	0	0	0	0	0	0	1	0	0
	DAMAGE	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	1	1	1	0	0	0	0	0	0	0	1	0	0
POP UNDER 1000	FATAL	2	2	0	0	2	1	0	0	0	0	0	0	1
	INJURY	83	33	12	26	10	11	2	1	0	1	48	0	0
	DAMAGE	123	33	14	23	20	21	1	2	0	0	44	0	0
	TOTAL	208	68	26	49	32	33	3	3	0	1	92	0	1
COLE CO	FATAL	4	2	2	0	0	1	0	0	0	0	2	0	0
	INJURY	605	109	58	223	137	36	17	1	9	10	104	2	0
	DAMAGE	2069	252	69	617	454	137	5	11	1	2	250	0	3
	TOTAL	2678	363	129	840	591	174	22	12	10	12	356	2	3
JEFFERSON CITY / COL	FATAL	1	1	1	0	0	0	0	0	0	0	1	0	0
	INJURY	457	51	35	161	119	22	7	1	8	8	42	2	0
	DAMAGE	1744	158	49	509	414	115	4	11	1	2	160	0	2
	TOTAL	2202	210	85	670	533	137	11	12	9	10	203	2	2

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY ¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
POP UNDER 1000	FATAL	3	1	1	0	0	1	0	0	0	1	0	0
	INJURY	148	58	23	62	18	14	10	0	1	2	62	0
	DAMAGE	325	94	20	108	40	22	1	0	0	0	90	0
	TOTAL	476	153	44	170	58	37	11	0	1	2	153	0
COOPER CO	FATAL	10	7	3	0	2	1	2	0	0	0	8	0
	INJURY	147	28	17	49	31	24	3	1	6	3	43	0
	DAMAGE	350	38	10	73	88	54	0	2	1	0	81	0
	TOTAL	507	73	30	122	121	79	5	3	7	3	132	0
BOONEVILLE	FATAL	1	0	0	0	0	0	0	0	0	1	0	0
	INJURY	52	2	3	20	17	0	0	1	6	3	2	0
	DAMAGE	173	5	4	47	58	6	0	1	1	0	21	0
	TOTAL	226	7	7	67	75	6	0	2	7	3	24	0
POP UNDER 1000	FATAL	9	7	3	0	2	1	2	0	0	0	7	0
	INJURY	95	26	14	29	14	24	3	0	0	0	41	0
	DAMAGE	177	33	6	26	30	48	0	1	0	0	60	0
	TOTAL	281	66	23	55	46	73	5	1	0	0	108	0
CRAWFORD CO	FATAL	6	1	2	1	2	0	0	0	0	1	1	0
	INJURY	174	53	31	66	31	26	6	2	2	4	75	0
	DAMAGE	328	54	20	75	73	73	0	4	0	0	61	5
	TOTAL	508	108	53	142	106	99	6	6	2	5	137	5
BOURBON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	2	1	3	2	0	0	0	0	0	2	0
	DAMAGE	23	7	0	10	4	2	0	1	0	0	2	0
	TOTAL	31	9	1	13	6	2	0	1	0	0	4	0
CUBA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	1	0	4	2	1	0	0	2	0	0	0
	DAMAGE	73	2	4	20	21	15	0	1	0	0	5	0
	TOTAL	82	3	4	24	23	16	0	1	2	0	5	0
STEELVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	1	0	0	0	0	0	0	0	1	0
	DAMAGE	4	0	0	1	2	2	0	1	0	0	0	0
	TOTAL	6	0	1	1	2	2	0	1	0	0	1	0
SULLIVAN / CRA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	1	0	0	0	0	0	0	0	0
	DAMAGE	8	0	0	4	1	0	0	0	0	0	1	0
	TOTAL	10	0	0	5	1	0	0	0	0	0	1	0
POP UNDER 1000	FATAL	6	1	2	1	2	0	0	0	0	1	1	0
	INJURY	153	50	29	58	27	25	6	2	0	4	72	0
	DAMAGE	220	45	16	40	45	54	0	1	0	0	53	5
	TOTAL	379	96	47	99	74	79	6	3	0	5	126	5
DADE CO	FATAL	2	2	1	1	1	0	0	0	0	0	1	0
	INJURY	37	12	5	9	6	5	0	0	0	2	16	0
	DAMAGE	64	18	7	24	9	7	0	1	0	0	21	0
	TOTAL	103	32	13	34	16	12	0	1	0	2	38	0
GREENFIELD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	1	0	2	2	0	0	0	0	2	1	0
	DAMAGE	16	2	1	8	5	1	0	1	0	0	2	0
	TOTAL	22	3	1	10	7	1	0	1	0	2	3	0
LOCKWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	1	1	0	0	0	0	0	1	0
	DAMAGE	8	2	0	3	1	0	0	0	0	0	0	0
	TOTAL	11	2	0	4	2	0	0	0	0	0	1	0
POP UNDER 1000	FATAL	2	2	1	1	1	0	0	0	0	0	1	0
	INJURY	28	11	5	6	3	5	0	0	0	0	14	0
	DAMAGE	40	14	6	13	3	6	0	0	0	0	19	0
	TOTAL	70	27	12	20	7	11	0	0	0	0	34	0
DALLAS CO	FATAL	3	2	1	1	0	1	0	0	0	0	2	0
	INJURY	150	54	10	50	38	26	2	1	0	2	39	0
	DAMAGE	179	36	5	50	63	36	0	0	0	0	43	1
	TOTAL	332	92	16	101	101	63	2	1	0	2	84	1
BUFFALO	FATAL	1	0	0	0	0	1	0	0	0	0	0	0
	INJURY	27	2	3	11	11	2	1	0	0	0	1	0
	DAMAGE	45	3	1	20	17	2	0	0	0	0	2	0
	TOTAL	73	5	4	31	28	5	1	0	0	0	3	0

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
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CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
POP UNDER 1000	FATAL	2	2	1	1	0	0	0	0	0	2	0	0
	INJURY	123	52	7	39	27	24	1	1	0	38	0	9
	DAMAGE	134	33	4	30	46	34	0	0	0	41	1	6
	TOTAL	259	87	12	70	73	58	1	1	0	81	1	15
DAVISS CO	FATAL	3	1	2	0	1	1	0	0	0	1	0	0
	INJURY	67	19	12	22	7	10	4	0	0	29	0	2
	DAMAGE	101	22	11	20	31	14	0	0	0	28	0	3
	TOTAL	171	42	25	42	39	25	4	0	0	58	0	5
GALLATIN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	1	1	2	0	0	1	0	0	1	0	0
	DAMAGE	4	0	1	1	2	0	0	0	0	1	0	0
	TOTAL	7	1	2	3	2	0	1	0	0	2	0	0
POP UNDER 1000	FATAL	3	1	2	0	1	1	0	0	0	1	0	0
	INJURY	64	18	11	20	7	10	3	0	0	28	0	2
	DAMAGE	97	22	10	19	29	14	0	0	0	27	0	3
	TOTAL	164	41	23	39	37	25	3	0	0	56	0	5
DEKALBCO	FATAL	2	1	0	1	1	0	0	0	0	1	0	0
	INJURY	46	13	6	17	11	6	1	0	0	18	0	0
	DAMAGE	102	11	9	28	27	16	0	1	0	26	0	1
	TOTAL	150	25	15	46	39	22	1	1	0	45	0	1
CAMERON / DEK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	0	0	4	3	1	0	0	0	0	0	0
	DAMAGE	39	2	3	14	11	8	0	1	0	7	0	1
	TOTAL	49	2	3	18	14	9	0	1	0	7	0	1
MAYSVILLE	FATAL	1	1	0	0	1	0	0	0	0	0	0	0
	INJURY	1	1	1	0	0	0	0	0	0	1	0	0
	DAMAGE	9	0	1	2	4	1	0	0	0	0	0	0
	TOTAL	11	2	2	2	5	1	0	0	0	1	0	0
POP UNDER 1000	FATAL	1	0	0	1	0	0	0	0	0	1	0	0
	INJURY	35	12	5	13	8	5	1	0	0	17	0	0
	DAMAGE	54	9	5	12	12	7	0	0	0	19	0	0
	TOTAL	90	21	10	26	20	12	1	0	0	37	0	0
DENT CO	FATAL	4	2	2	2	1	0	0	0	0	2	0	0
	INJURY	98	23	10	39	21	10	0	1	2	26	0	0
	DAMAGE	223	28	3	67	59	31	0	0	0	42	1	2
	TOTAL	325	53	15	108	81	41	0	1	2	70	1	2
SALEM	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	24	4	1	9	12	0	0	0	2	1	0	0
	DAMAGE	81	5	0	24	28	5	0	0	0	9	0	0
	TOTAL	105	9	1	33	40	5	0	0	2	10	0	0
POP UNDER 1000	FATAL	4	2	2	2	1	0	0	0	0	2	0	0
	INJURY	74	19	9	30	9	10	0	1	0	25	0	0
	DAMAGE	142	23	3	43	31	26	0	0	0	33	1	2
	TOTAL	220	44	14	75	41	36	0	1	0	60	1	2
DOUGLAS CO	FATAL	3	1	0	3	0	0	0	0	1	0	0	0
	INJURY	77	26	22	35	13	4	1	0	0	34	0	0
	DAMAGE	138	23	9	47	40	12	0	2	0	33	1	0
	TOTAL	218	50	31	85	53	16	1	2	0	67	1	0
AVA	FATAL	1	0	0	1	0	0	0	0	1	0	0	0
	INJURY	16	3	1	7	6	1	0	0	1	3	0	0
	DAMAGE	71	8	4	28	26	3	0	0	0	7	0	0
	TOTAL	88	11	5	36	32	4	0	0	2	10	0	0
POP UNDER 1000	FATAL	2	1	0	2	0	0	0	0	0	0	0	0
	INJURY	61	23	21	28	7	3	1	0	0	31	0	0
	DAMAGE	67	15	5	19	14	9	0	2	0	26	1	0
	TOTAL	130	39	26	49	21	12	1	2	0	57	1	0
DUNKLINCO	FATAL	9	2	4	3	2	2	0	0	0	3	0	0
	INJURY	205	43	28	69	54	15	0	0	7	39	1	0
	DAMAGE	547	60	30	197	180	42	1	3	2	60	3	0
	TOTAL	761	105	62	269	236	59	1	3	9	102	4	0
CAMPBELL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	1	0	2	8	0	0	0	0	0	0	0
	DAMAGE	33	1	1	11	12	1	1	0	1	3	1	0
	TOTAL	43	2	1	13	20	1	1	0	1	3	1	0

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
CLARKTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	3	1	0	1	1	0	0	0	0	0	0	0
	TOTAL	4	1	0	1	1	0	0	0	0	0	0	0
KENNETT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	71	7	5	27	20	6	0	0	5	3	5	0
	DAMAGE	279	24	15	119	89	12	0	1	0	0	21	0
	TOTAL	350	31	20	146	109	18	0	1	5	3	26	0
MALDEN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	24	9	1	11	3	1	0	0	2	1	3	0
	DAMAGE	70	8	2	21	35	0	0	0	1	0	6	0
	TOTAL	94	17	3	32	38	1	0	0	3	1	9	0
POP UNDER 1000	FATAL	9	2	4	3	2	2	0	0	0	0	3	0
	INJURY	99	26	22	29	23	8	0	0	0	1	31	1
	DAMAGE	162	26	12	45	43	29	0	2	0	0	30	2
	TOTAL	270	54	38	77	68	39	0	2	0	1	64	3
FRANKLINCO	FATAL	27	10	6	13	6	3	1	0	0	1	9	0
	INJURY	805	174	89	265	147	57	18	1	9	27	269	2
	DAMAGE	1868	197	72	568	394	201	5	12	2	1	357	1
	TOTAL	2700	381	167	846	547	261	24	13	11	29	635	3
NEW HAVEN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	0	2	0	1	0	0	0	0	0	0
	DAMAGE	15	0	1	5	5	0	0	0	0	0	2	0
	TOTAL	19	1	1	7	5	1	0	0	0	0	2	0
PACIFIC / FRA	FATAL	1	0	0	1	0	0	0	0	0	0	0	0
	INJURY	38	4	2	16	8	2	0	0	1	1	5	0
	DAMAGE	121	10	2	47	24	8	0	0	0	0	21	1
	TOTAL	160	14	4	64	32	10	0	0	1	1	26	1
ST. CLAIR	FATAL	1	0	0	1	1	1	0	0	0	0	0	0
	INJURY	46	9	6	11	10	1	0	0	1	1	10	0
	DAMAGE	132	16	9	49	28	13	0	1	0	0	18	0
	TOTAL	179	25	15	61	39	15	0	1	1	1	28	0
SULLIVAN / FRA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	41	4	4	18	12	3	2	0	2	2	6	0
	DAMAGE	115	4	5	36	32	8	0	0	1	0	9	0
	TOTAL	156	8	9	54	44	11	2	0	3	2	15	0
UNION	FATAL	1	1	0	1	0	0	0	0	0	0	0	0
	INJURY	71	15	5	24	17	5	2	0	1	3	2	1
	DAMAGE	206	11	10	61	54	30	0	2	0	0	16	0
	TOTAL	278	27	15	86	71	35	2	2	1	3	18	1
WASHINGTON	FATAL	2	1	0	1	0	0	0	0	0	0	0	0
	INJURY	103	12	10	41	26	4	3	0	3	12	5	1
	DAMAGE	382	21	14	118	93	18	2	3	1	0	37	0
	TOTAL	487	34	24	160	119	22	5	3	4	12	42	1
POP UNDER 1000	FATAL	22	8	6	9	5	2	1	0	0	1	9	0
	INJURY	502	129	62	153	74	41	11	1	1	8	241	0
	DAMAGE	897	135	31	252	158	124	3	6	0	1	254	0
	TOTAL	1421	272	99	414	237	167	15	7	1	10	504	0
GASCONADECO	FATAL	3	2	1	0	1	0	0	0	0	0	1	0
	INJURY	140	49	17	47	31	11	1	3	1	2	65	0
	DAMAGE	286	57	16	89	67	26	1	4	1	0	62	0
	TOTAL	429	108	34	136	99	37	2	7	2	2	128	0
HERMANN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	23	7	4	7	8	3	0	2	1	1	7	0
	DAMAGE	68	11	2	22	19	7	0	2	0	0	6	0
	TOTAL	91	18	6	29	27	10	0	4	1	1	13	0
OWENSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	12	3	0	5	2	1	1	0	0	1	2	0
	DAMAGE	73	6	3	21	27	5	0	0	0	0	6	0
	TOTAL	85	9	3	26	29	6	1	0	0	1	8	0
POP UNDER 1000	FATAL	3	2	1	0	1	0	0	0	0	0	1	0
	INJURY	105	39	13	35	21	7	0	1	0	0	56	0
	DAMAGE	145	40	11	46	21	14	1	2	1	0	50	0
	TOTAL	253	81	25	81	43	21	1	3	1	0	107	0

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
GENTRY CO	FATAL	1	1	1	1	0	0	0	0	0	0	0	0
	INJURY	28	8	6	10	6	3	0	0	0	11	0	0
	DAMAGE	67	8	3	25	17	7	0	0	1	8	0	0
	TOTAL	96	17	10	36	23	10	0	0	1	0	19	0
ALBANY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	1	0	4	2	0	0	0	0	2	0	0
	DAMAGE	26	3	0	9	8	3	0	0	0	3	0	0
	TOTAL	32	4	0	13	10	3	0	0	0	0	5	0
STANBERRY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	2	0	1	0	0	0	0	0	0
	DAMAGE	15	0	1	7	4	2	0	0	1	0	3	0
	TOTAL	18	0	1	9	4	3	0	0	1	0	3	0
POP UNDER 1000	FATAL	1	1	1	1	0	0	0	0	0	0	0	0
	INJURY	19	7	6	4	4	2	0	0	0	9	0	0
	DAMAGE	26	5	2	9	5	2	0	0	0	2	0	0
	TOTAL	46	13	9	14	9	4	0	0	0	0	11	0
GREENE CO	FATAL	35	15	8	14	9	8	3	0	0	4	7	0
	INJURY	3004	458	257	1034	772	186	73	7	47	58	411	9
	DAMAGE	5522	610	276	1671	1316	471	17	24	7	3	727	5
	TOTAL	8561	1083	541	2719	2097	665	93	31	54	65	1145	14
ASH GROVE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	1	0	0	0	0	0	0	0
	DAMAGE	8	0	1	6	3	0	0	0	0	0	0	0
	TOTAL	9	0	1	6	4	0	0	0	0	0	0	0
BATTLEFIELD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	0	3	0	0	0	0	0	2	0	0
	DAMAGE	4	2	1	2	0	0	0	0	0	1	0	0
	TOTAL	8	3	1	5	0	0	0	0	0	0	3	0
REPUBLIC	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	36	4	1	21	9	2	1	1	1	1	4	0
	DAMAGE	107	12	4	39	33	10	0	1	0	0	13	0
	TOTAL	143	16	5	60	42	12	1	2	1	1	17	0
SPRINGFIELD	FATAL	12	5	2	5	4	5	2	0	0	1	1	0
	INJURY	2380	261	187	810	649	120	55	4	45	52	211	7
	DAMAGE	4542	393	224	1362	1110	347	13	21	6	3	475	2
	TOTAL	6934	659	413	2177	1763	472	70	25	51	56	687	9
STRAFFORD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	13	2	1	3	4	3	2	0	0	0	2	0
	DAMAGE	20	1	1	4	6	12	0	0	0	0	3	0
	TOTAL	33	3	2	7	10	15	2	0	0	0	5	0
WILLARD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	0	0	8	3	1	0	0	0	0	0	0
	DAMAGE	26	2	0	14	8	1	0	0	0	0	2	0
	TOTAL	37	2	0	22	11	2	0	0	0	0	2	0
POP UNDER 1000	FATAL	23	10	6	9	5	3	1	0	0	3	6	0
	INJURY	559	190	68	189	106	60	15	2	1	5	192	2
	DAMAGE	815	200	45	244	156	101	4	2	1	0	233	3
	TOTAL	1397	400	119	442	267	164	20	4	2	8	431	5
GRUNDY CO	FATAL	2	1	0	0	0	1	0	0	1	0	0	0
	INJURY	58	23	12	28	12	6	0	0	2	2	25	1
	DAMAGE	226	38	5	77	75	12	0	1	1	0	45	0
	TOTAL	286	62	17	105	87	19	0	1	4	2	70	1
TRENTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	22	7	6	7	6	1	0	0	1	2	7	0
	DAMAGE	154	17	3	57	60	3	0	1	1	0	23	0
	TOTAL	176	24	9	64	66	4	0	1	2	2	30	0
POP UNDER 1000	FATAL	2	1	0	0	0	1	0	0	1	0	0	0
	INJURY	36	16	6	21	6	5	0	0	1	0	18	1
	DAMAGE	72	21	2	20	15	9	0	0	0	0	22	0
	TOTAL	110	38	8	41	21	15	0	0	2	0	40	1
HARRISON CO	FATAL	2	1	0	1	0	0	0	0	0	1	0	0
	INJURY	76	29	13	26	18	4	3	0	1	2	31	0
	DAMAGE	131	25	4	42	48	17	1	0	1	0	25	0
	TOTAL	209	55	17	69	66	21	4	0	2	2	57	0

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
BETHANY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	21	2	0	8	12	1	0	0	1	0	2	0
	DAMAGE	56	2	1	23	26	3	1	0	1	0	4	0
	TOTAL	77	4	1	31	38	4	1	0	2	0	6	0
POP UNDER 1000	FATAL	2	1	0	1	0	0	0	0	0	0	1	0
	INJURY	55	27	13	18	6	3	3	0	0	2	29	0
	DAMAGE	75	23	3	19	22	14	0	0	0	0	21	0
	TOTAL	132	51	16	38	28	17	3	0	0	2	51	0
HENRY CO	FATAL	8	4	3	4	3	2	1	0	0	0	3	0
	INJURY	181	42	21	62	44	20	6	2	3	3	41	1
	DAMAGE	436	69	25	130	133	50	2	3	1	0	80	1
	TOTAL	625	115	49	196	180	72	9	5	4	3	124	2
CLINTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	99	16	8	39	28	10	4	0	2	2	12	0
	DAMAGE	234	25	9	70	79	23	2	1	1	0	30	0
	TOTAL	333	41	17	109	107	33	6	1	3	2	42	0
WINDSOR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	0	2	1	0	0	2	1	0	0	0
	DAMAGE	44	6	2	18	15	2	0	0	0	0	4	0
	TOTAL	48	6	2	20	16	2	0	2	1	0	4	0
POP UNDER 1000	FATAL	8	4	3	4	3	2	1	0	0	0	3	0
	INJURY	78	26	13	21	15	10	2	0	0	1	29	1
	DAMAGE	158	38	14	42	39	25	0	2	0	0	46	1
	TOTAL	244	68	30	67	57	37	3	2	0	1	78	2
HICKORY CO	FATAL	1	0	0	0	1	1	0	0	0	0	0	0
	INJURY	51	15	8	20	11	4	3	0	0	0	22	0
	DAMAGE	94	11	5	18	31	12	0	0	0	0	24	0
	TOTAL	146	26	13	38	43	17	3	0	0	0	46	0
POP UNDER 1000	FATAL	1	0	0	0	1	1	0	0	0	0	0	0
	INJURY	51	15	8	20	11	4	3	0	0	0	22	0
	DAMAGE	94	11	5	18	31	12	0	0	0	0	24	0
	TOTAL	146	26	13	38	43	17	3	0	0	0	46	0
HOLT CO	FATAL	3	1	2	2	2	0	0	0	0	0	2	0
	INJURY	61	27	7	8	19	13	0	1	0	0	21	1
	DAMAGE	92	20	3	18	10	24	0	0	0	0	22	0
	TOTAL	156	48	12	28	31	37	0	1	0	0	45	1
MOUND CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	1	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	1	0	0	0	0	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	3	1	2	2	2	0	0	0	0	0	2	0
	INJURY	61	27	7	8	19	13	0	1	0	0	21	1
	DAMAGE	91	20	3	18	10	24	0	0	0	0	22	0
	TOTAL	155	48	12	28	31	37	0	1	0	0	45	1
HOWARD CO	FATAL	3	2	0	1	0	1	0	0	0	0	2	1
	INJURY	59	23	16	21	8	2	1	0	2	2	28	0
	DAMAGE	146	27	8	53	33	12	0	0	0	0	35	0
	TOTAL	208	52	24	75	41	15	1	0	2	2	65	1
FAYETTE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	2	2	1	2	0	0	0	1	2	2	0
	DAMAGE	12	3	1	7	1	0	0	0	0	0	1	0
	TOTAL	18	5	3	8	3	0	0	0	1	2	3	0
GLASGOW / HOW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	31	3	0	8	12	4	0	0	0	0	4	0
	TOTAL	31	3	0	8	12	4	0	0	0	0	4	0
NEWFRANKLIN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	14	1	0	8	5	0	0	0	0	0	0	0
	TOTAL	14	1	0	8	5	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	3	2	0	1	0	1	0	0	0	0	2	1
	INJURY	53	21	14	20	6	2	1	0	1	0	26	0
	DAMAGE	89	20	7	30	15	8	0	0	0	0	30	0
	TOTAL	145	43	21	51	21	11	1	0	1	0	58	1

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
HOWELL CO	FATAL	13	4	1	3	3	4	0	0	0	2	0	0
	INJURY	288	57	21	108	82	30	11	1	1	3	65	1
	DAMAGE	649	57	21	224	211	76	1	5	0	0	82	0
	TOTAL	950	118	43	335	296	110	12	6	1	3	149	1
MOUNTAIN VIEW	FATAL	1	1	0	0	1	0	0	0	0	0	0	0
	INJURY	23	7	2	14	8	0	1	0	0	1	1	0
	DAMAGE	41	3	1	13	17	1	0	0	0	0	6	0
	TOTAL	65	11	3	27	26	1	1	0	0	1	7	0
WEST PLAINS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	108	13	4	39	43	11	5	0	1	0	9	0
	DAMAGE	358	22	4	139	127	30	1	2	0	0	20	0
	TOTAL	466	35	8	178	170	41	6	2	1	0	29	0
WILLOW SPRINGS	FATAL	2	0	0	0	1	2	0	0	0	0	0	0
	INJURY	14	1	0	6	7	2	0	1	0	1	1	0
	DAMAGE	41	4	1	15	13	2	0	0	0	0	3	0
	TOTAL	57	5	1	21	21	6	0	1	0	1	4	0
POP UNDER 1000	FATAL	10	3	1	3	1	2	0	0	0	2	0	0
	INJURY	143	36	15	49	24	17	5	0	0	1	54	1
	DAMAGE	209	28	15	57	54	43	0	3	0	0	53	0
	TOTAL	362	67	31	109	79	62	5	3	0	1	109	1
IRON CO	FATAL	5	2	0	0	1	0	1	0	0	1	0	0
	INJURY	76	20	16	22	12	7	1	0	0	5	31	0
	DAMAGE	129	18	9	41	20	15	0	0	0	0	35	2
	TOTAL	210	40	25	63	33	22	2	0	0	5	67	2
IRONTON	FATAL	2	0	0	0	1	0	0	0	0	0	0	0
	INJURY	12	0	1	3	2	0	0	0	0	5	1	0
	DAMAGE	33	4	2	14	10	0	0	0	0	0	6	0
	TOTAL	47	4	3	17	13	0	0	0	0	5	7	0
POP UNDER 1000	FATAL	3	2	0	0	0	0	1	0	0	1	0	0
	INJURY	64	20	15	19	10	7	1	0	0	0	30	0
	DAMAGE	96	14	7	27	10	15	0	0	0	0	29	2
	TOTAL	163	36	22	46	20	22	2	0	0	0	60	2
JACKSON CO	FATAL	67	19	17	15	17	8	7	1	1	11	15	0
	INJURY	8799	1571	655	2066	2008	480	141	80	143	385	1091	5
	DAMAGE	24042	2916	749	4143	4376	1461	46	293	27	20	2625	4
	TOTAL	32908	4506	1421	6224	6401	1949	194	374	171	416	3731	9
BLUE SPRINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	332	73	18	128	67	20	7	1	10	6	41	0
	DAMAGE	997	148	28	362	182	58	1	4	2	1	122	0
	TOTAL	1329	221	46	490	249	78	8	5	12	7	163	0
BUCKNER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	2	1	2	1	0	0	0	0	0	2	0
	DAMAGE	17	2	0	5	3	2	0	0	0	0	1	0
	TOTAL	22	4	1	7	4	2	0	0	0	0	3	0
GRAIN VALLEY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	17	10	2	6	7	1	0	0	0	0	3	0
	DAMAGE	64	20	3	20	11	6	0	0	0	0	12	0
	TOTAL	81	30	5	26	18	7	0	0	0	0	15	0
GRANDVIEW	FATAL	1	0	1	0	0	0	0	0	0	1	0	0
	INJURY	134	14	15	45	24	4	1	1	7	9	14	0
	DAMAGE	328	39	18	107	70	23	2	4	0	0	52	0
	TOTAL	463	53	34	152	94	27	3	5	7	9	67	0
GREENWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	1	1	0	0	0	0	0	0	0
	DAMAGE	12	2	0	2	3	3	0	1	0	0	1	0
	TOTAL	13	2	0	3	4	3	0	1	0	0	1	0
INDEPENDENCE	FATAL	11	5	3	3	3	2	4	0	0	3	0	1
	INJURY	1203	232	98	374	334	58	32	8	28	29	149	2
	DAMAGE	2644	392	102	765	669	116	2	20	1	1	315	0
	TOTAL	3858	629	203	1142	1006	176	38	28	29	30	467	2
KANSAS CITY / JAC	FATAL	39	11	11	7	9	4	2	1	1	10	8	0
	INJURY	6252	1039	443	1189	1367	356	82	67	86	328	712	3
	DAMAGE	17755	1964	525	2200	2992	1081	35	253	23	17	1767	2
	TOTAL	24046	3014	979	3396	4388	1441	119	321	110	355	2487	5

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR		COMM VEH INV	MOTOR- CYCLE INV	SCHOOL		PEDES- TRIAN INV	FIXED OBJECT INV	HAZARD MATL INV	CONSTR ZONE INV
					UND 21 INV	55 + INV			BUS INV	BIKE INV				
LAKE LOTAWANA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	1	0	2	1	0	1	0	0	0	2	0	0
	DAMAGE	14	2	0	2	2	2	0	1	0	0	5	0	0
	TOTAL	19	3	0	4	3	2	1	1	0	0	7	0	0
LEE'S SUMMIT / JAC	FATAL	3	0	0	1	2	0	0	0	0	1	1	0	0
	INJURY	313	59	25	134	63	12	7	0	7	7	40	0	2
	DAMAGE	1000	134	29	332	201	72	1	4	0	0	128	1	5
	TOTAL	1316	193	54	467	266	84	8	4	7	8	169	1	7
OAK GROVE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	39	11	2	20	8	3	0	1	0	2	5	0	1
	DAMAGE	96	15	0	39	17	6	0	1	0	0	12	0	1
	TOTAL	135	26	2	59	25	9	0	2	0	2	17	0	2
RAYTOWN	FATAL	1	0	0	1	1	0	0	0	0	0	0	0	0
	INJURY	248	28	20	82	75	9	2	1	4	1	23	0	0
	DAMAGE	531	50	16	162	152	26	3	2	1	1	54	0	2
	TOTAL	780	78	36	245	228	35	5	3	5	2	77	0	2
SUGAR CREEK	FATAL	1	0	1	0	0	0	0	0	0	0	0	0	0
	INJURY	24	14	5	3	1	1	2	0	0	0	9	0	0
	DAMAGE	51	10	5	13	4	5	1	0	0	0	13	0	2
	TOTAL	76	24	11	16	5	6	3	0	0	0	22	0	2
POP UNDER 1000	FATAL	11	3	1	3	2	2	1	0	0	0	2	0	0
	INJURY	226	88	26	80	39	16	7	1	1	3	91	0	4
	DAMAGE	533	138	23	134	70	61	1	3	0	0	143	1	21
	TOTAL	770	229	50	217	111	79	9	4	1	3	236	1	25
JASPER CO	FATAL	18	8	6	2	4	6	2	0	0	1	4	0	0
	INJURY	1120	216	91	399	302	62	26	3	27	22	172	1	5
	DAMAGE	2315	301	83	702	625	248	12	13	3	1	249	0	9
	TOTAL	3453	525	180	1103	931	316	40	16	30	24	425	1	14
CARL JUNCTION	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	1	1	0	0	0	0	0	1	0	0
	DAMAGE	21	5	2	10	3	1	1	0	0	0	3	0	0
	TOTAL	24	5	2	11	4	1	1	0	0	0	4	0	0
CARTERVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	1	0	0	0	0	0	1	0	0	0
	DAMAGE	3	1	0	3	1	0	0	0	0	0	1	0	0
	TOTAL	4	1	0	4	1	0	0	0	0	1	1	0	0
CARTHAGE	FATAL	1	1	0	1	0	0	1	0	0	0	0	0	0
	INJURY	95	14	6	34	29	7	3	1	6	2	17	0	0
	DAMAGE	204	15	4	58	61	26	1	1	0	0	28	0	0
	TOTAL	300	30	10	93	90	33	5	2	6	2	45	0	0
DUQUESNE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	23	8	2	10	9	1	1	0	0	0	1	0	0
	DAMAGE	24	7	1	6	8	3	0	0	0	0	6	0	0
	TOTAL	47	15	3	16	17	4	1	0	0	0	7	0	0
JOPLIN / JAS	FATAL	4	2	2	1	1	0	1	0	0	0	0	0	0
	INJURY	617	68	39	227	180	18	13	2	17	14	31	0	2
	DAMAGE	1369	123	46	442	401	93	7	8	3	1	75	0	2
	TOTAL	1990	193	87	670	582	111	21	10	20	15	106	0	4
SARCOXIE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	2	1	2	2	0	0	0	0	0	1	0	0
	DAMAGE	11	0	0	2	2	2	0	0	0	0	1	0	0
	TOTAL	17	2	1	4	4	2	0	0	0	0	2	0	0
WEBB CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	89	8	7	28	28	1	3	0	4	3	5	0	0
	DAMAGE	166	23	3	57	45	17	0	2	0	0	14	0	0
	TOTAL	255	31	10	85	73	18	3	2	4	3	19	0	0
POP UNDER 1000	FATAL	13	5	4	0	3	6	0	0	0	1	4	0	0
	INJURY	286	116	36	96	53	35	6	0	0	2	116	1	3
	DAMAGE	517	127	27	124	104	106	3	2	0	0	121	0	7
	TOTAL	816	248	67	220	160	147	9	2	0	3	241	1	10
JEFFERSON CO	FATAL	40	19	13	12	12	3	3	0	0	3	19	1	0
	INJURY	1580	521	202	547	275	80	41	14	10	19	494	3	18
	DAMAGE	3296	710	173	967	639	211	6	28	6	0	708	4	41
	TOTAL	4916	1250	388	1526	926	294	50	42	16	22	1221	8	59

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
ARNOLD	FATAL	2	1	0	2	1	0	0	0	0	1	0	0
	INJURY	226	52	16	78	51	14	7	2	1	4	33	0
	DAMAGE	580	82	28	178	136	23	2	3	0	0	80	10
	TOTAL	808	135	44	258	188	37	9	5	1	4	114	15
BYRNE'S MILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	1	1	2	3	0	0	0	1	0	1	0
	DAMAGE	17	2	2	2	2	1	0	1	0	1	0	0
	TOTAL	25	3	3	4	5	1	0	1	1	0	2	0
CRYSTAL CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	40	2	4	18	11	0	0	0	1	1	4	0
	DAMAGE	138	9	4	50	33	7	0	1	4	0	9	0
	TOTAL	178	11	8	68	44	7	0	1	5	1	13	0
DESOTO	FATAL	1	0	0	0	0	0	0	0	0	1	0	0
	INJURY	40	9	7	19	12	2	1	1	1	0	9	0
	DAMAGE	126	20	6	45	34	6	0	1	0	0	20	0
	TOTAL	167	29	13	64	46	8	1	2	1	1	29	0
FENTON / JEF	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	0	1	0	0	0	0	0	1	0
	DAMAGE	9	2	2	1	3	0	0	0	0	0	2	0
	TOTAL	12	2	2	1	4	0	0	0	0	0	3	0
FESTUS	FATAL	2	0	0	1	2	0	0	0	0	0	0	0
	INJURY	69	14	4	22	22	3	0	1	0	0	16	0
	DAMAGE	273	39	7	85	81	11	2	0	1	0	30	5
	TOTAL	344	53	11	108	105	14	2	1	1	0	46	5
HERCULANEUM	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	36	7	3	7	14	2	0	0	1	0	2	1
	DAMAGE	67	12	2	6	18	6	0	0	0	0	3	0
	TOTAL	103	19	5	13	32	8	0	0	1	0	5	1
HILLSBORO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	20	7	3	13	3	0	0	0	0	0	1	0
	DAMAGE	69	17	1	22	14	3	0	1	0	0	2	0
	TOTAL	89	24	4	35	17	3	0	1	0	0	3	0
PEVELY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	50	18	7	12	10	3	1	0	1	0	10	4
	DAMAGE	95	13	8	20	19	18	0	0	0	0	22	7
	TOTAL	145	31	15	32	29	21	1	0	1	0	32	11
POP UNDER 1000	FATAL	35	18	13	9	9	3	3	0	0	2	18	1
	INJURY	1088	411	157	376	148	56	32	10	4	14	417	2
	DAMAGE	1922	514	113	558	299	136	2	21	1	0	539	3
	TOTAL	3045	943	283	943	456	195	37	31	5	16	974	6
JOHNSON CO	FATAL	9	4	2	3	2	0	0	0	0	2	6	0
	INJURY	282	77	29	113	44	19	9	2	7	8	94	0
	DAMAGE	1105	131	33	339	185	60	2	12	2	0	154	1
	TOTAL	1396	212	64	455	231	79	11	14	9	10	254	1
HOLDEN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	3	0	5	2	0	0	0	0	1	3	0
	DAMAGE	38	7	1	12	5	4	0	2	0	0	7	0
	TOTAL	47	10	1	17	7	4	0	2	0	1	10	0
KNOBNOSTER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	27	5	1	13	6	2	0	1	3	0	1	0
	DAMAGE	63	2	0	24	13	4	0	2	0	0	3	0
	TOTAL	90	7	1	37	19	6	0	3	3	0	4	0
WARRENSBURG	FATAL	2	2	1	1	0	0	0	0	0	1	1	0
	INJURY	91	17	9	37	13	3	4	0	3	7	10	0
	DAMAGE	494	49	14	200	84	6	0	3	2	0	26	0
	TOTAL	587	68	24	238	97	9	4	3	5	8	37	0
POP UNDER 1000	FATAL	7	2	1	2	2	0	0	0	0	1	5	0
	INJURY	155	52	19	58	23	14	5	1	1	0	80	0
	DAMAGE	510	73	18	103	83	46	2	5	0	0	118	1
	TOTAL	672	127	38	163	108	60	7	6	1	1	203	1
KNOX CO	FATAL	3	1	0	1	1	0	0	0	0	0	1	0
	INJURY	19	0	3	8	4	3	1	0	0	1	7	0
	DAMAGE	49	7	0	17	6	9	0	0	0	0	15	0
	TOTAL	71	8	3	26	11	12	1	0	0	1	23	0

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY ¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
EDINA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	0	0	0	0	0	1	0	0
	DAMAGE	8	1	0	4	2	0	0	0	0	0	0	0
	TOTAL	10	1	0	4	2	0	0	0	0	1	0	0
POP UNDER 1000	FATAL	3	1	0	1	1	0	0	0	0	1	0	0
	INJURY	17	0	3	8	4	3	1	0	0	6	0	0
	DAMAGE	41	6	0	13	4	9	0	0	0	15	0	0
	TOTAL	61	7	3	22	9	12	1	0	0	22	0	0
LACLEDECO	FATAL	8	4	2	2	1	3	0	0	0	3	0	0
	INJURY	347	42	21	124	93	36	4	4	1	7	53	1
	DAMAGE	603	65	18	202	175	56	1	5	0	0	92	1
	TOTAL	958	111	41	328	269	95	5	9	1	7	148	2
LEBANON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	210	11	6	78	66	19	1	3	1	4	14	0
	DAMAGE	322	18	4	118	123	16	0	5	0	0	22	0
	TOTAL	532	29	10	196	189	35	1	8	1	4	36	0
POP UNDER 1000	FATAL	8	4	2	2	1	3	0	0	0	3	0	0
	INJURY	137	31	15	46	27	17	3	1	0	3	39	1
	DAMAGE	281	47	14	84	52	40	1	0	0	0	70	1
	TOTAL	426	82	31	132	80	60	4	1	0	3	112	2
LAFAYETTECO	FATAL	12	2	3	3	3	4	0	0	0	5	1	0
	INJURY	223	58	23	74	55	16	5	0	1	5	89	1
	DAMAGE	650	99	24	158	165	91	1	3	1	1	163	1
	TOTAL	885	159	50	235	223	111	6	3	2	6	257	3
CONCORDIA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	2	0	4	1	0	0	0	0	1	0	0
	DAMAGE	35	3	1	12	13	3	0	0	0	0	3	0
	TOTAL	40	5	1	16	14	3	0	0	0	0	4	0
HIGGINSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	20	0	0	5	8	3	0	0	0	0	2	0
	DAMAGE	92	6	1	26	32	4	0	1	0	0	7	0
	TOTAL	112	6	1	31	40	7	0	1	0	0	9	0
LEXINGTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	24	5	2	7	9	1	0	0	0	3	2	0
	DAMAGE	101	7	4	25	31	6	0	1	1	0	9	0
	TOTAL	125	12	6	32	40	7	0	1	1	3	11	0
ODESSA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	17	5	0	9	4	0	2	0	0	1	3	0
	DAMAGE	70	4	3	18	26	5	0	0	0	1	10	0
	TOTAL	87	9	3	27	30	5	2	0	0	2	13	0
POP UNDER 1000	FATAL	12	2	3	3	3	4	0	0	0	5	1	0
	INJURY	157	46	21	49	33	12	3	0	1	1	81	1
	DAMAGE	352	79	15	77	63	73	1	1	0	0	134	1
	TOTAL	521	127	39	129	99	89	4	1	1	1	220	3
LAWRENCECO	FATAL	9	5	3	4	2	4	0	0	0	1	3	0
	INJURY	276	88	27	110	80	36	7	4	5	10	84	0
	DAMAGE	435	76	15	149	107	71	2	3	0	0	90	0
	TOTAL	720	169	45	263	189	111	9	7	5	11	177	0
AURORA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	61	4	3	26	28	8	0	1	2	2	5	0
	DAMAGE	111	4	1	45	28	7	1	0	0	0	5	0
	TOTAL	172	8	4	71	56	15	1	1	2	2	10	0
MARIONVILLE	FATAL	1	0	1	1	1	1	0	0	0	0	0	0
	INJURY	3	2	0	3	2	0	0	0	0	0	1	0
	DAMAGE	12	2	0	4	5	0	0	0	0	0	1	0
	TOTAL	16	4	1	8	8	1	0	0	0	0	2	0
MONETT /LAW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	1	1	2	3	0	0	0	1	1	2	0
	DAMAGE	13	0	0	3	3	1	0	1	0	0	2	0
	TOTAL	20	1	1	5	6	1	0	1	1	1	4	0
MOUNT VERNON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	23	2	2	10	12	1	1	0	1	2	0	0
	DAMAGE	68	7	0	30	19	4	0	1	0	0	8	0
	TOTAL	91	9	2	40	31	5	1	1	1	2	8	0

TABLE 40.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
PIERCE CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	1	0	2	2	1	0	1	0	1	0	0
	DAMAGE	5	1	0	1	2	0	0	0	0	0	0	0
	TOTAL	8	2	0	3	4	1	0	1	0	1	0	0
POP UNDER 1000	FATAL	8	5	2	3	1	3	0	0	0	1	3	0
	INJURY	179	78	21	67	33	26	6	2	1	5	75	0
	DAMAGE	226	62	14	66	50	59	1	1	0	0	74	0
	TOTAL	413	145	37	136	84	88	7	3	1	6	152	0
LEWIS CO	FATAL	2	1	2	0	0	0	0	0	0	0	1	0
	INJURY	52	13	10	16	14	12	1	2	0	0	21	0
	DAMAGE	165	13	3	35	33	24	0	1	1	0	28	0
	TOTAL	219	27	15	51	47	36	1	3	1	0	50	0
CANTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	1	1	2	0	0	0	0	0	0	0
	DAMAGE	28	1	0	9	2	5	0	0	1	0	2	0
	TOTAL	32	2	1	10	4	5	0	0	1	0	2	0
LA GRANGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	6	0	0	1	1	1	0	0	0	0	2	0
	TOTAL	6	0	0	1	1	1	0	0	0	0	2	0
POP UNDER 1000	FATAL	2	1	2	0	0	0	0	0	0	0	1	0
	INJURY	48	12	9	15	12	12	1	2	0	0	21	0
	DAMAGE	131	12	3	25	30	18	0	1	0	0	24	0
	TOTAL	181	25	14	40	42	30	1	3	0	0	46	0
LINCOLN CO	FATAL	11	3	3	4	2	2	0	0	1	0	4	0
	INJURY	178	47	35	59	35	14	2	1	4	3	57	3
	DAMAGE	384	43	24	129	84	38	0	4	0	0	46	1
	TOTAL	573	93	62	192	121	54	2	5	5	3	107	4
ELSBERRY	FATAL	1	0	0	1	0	0	0	0	0	0	0	0
	INJURY	6	1	0	4	1	1	0	0	0	0	0	0
	DAMAGE	31	1	3	7	8	2	0	1	0	0	2	0
	TOTAL	38	2	3	12	9	3	0	1	0	0	2	0
TROY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	20	1	0	13	5	0	0	0	0	1	3	0
	DAMAGE	107	3	1	47	27	3	0	0	0	0	3	0
	TOTAL	127	4	1	60	32	3	0	0	0	1	6	0
POP UNDER 1000	FATAL	10	3	3	3	2	2	0	0	1	0	4	0
	INJURY	152	45	35	42	29	13	2	1	4	2	54	3
	DAMAGE	246	39	20	75	49	33	0	3	0	0	41	1
	TOTAL	408	87	58	120	80	48	2	4	5	2	99	4
LINN CO	FATAL	2	1	1	1	0	0	0	0	0	0	2	0
	INJURY	90	24	13	33	20	11	1	1	1	4	29	0
	DAMAGE	250	17	6	57	70	32	0	1	0	0	43	1
	TOTAL	342	42	20	91	90	43	1	2	1	4	74	1
BROOKFIELD	FATAL	1	1	0	1	0	0	0	0	0	0	1	0
	INJURY	25	1	0	13	8	2	1	0	0	2	1	0
	DAMAGE	93	2	1	27	32	9	0	0	0	0	10	0
	TOTAL	119	4	1	41	40	11	1	0	0	2	12	0
MARCELINE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	1	0	2	1	1	0	0	0	2	0	0
	DAMAGE	35	1	1	11	15	1	0	0	0	0	3	0
	TOTAL	42	2	1	13	16	2	0	0	0	2	3	0
POP UNDER 1000	FATAL	1	0	1	0	0	0	0	0	0	0	1	0
	INJURY	58	22	13	18	11	8	0	1	1	0	28	0
	DAMAGE	122	14	4	19	23	22	0	1	0	0	30	1
	TOTAL	181	36	18	37	34	30	0	2	1	0	59	1
LIVINGSTON CO	FATAL	5	0	1	3	1	0	0	0	0	1	0	0
	INJURY	126	23	10	41	43	12	2	0	5	4	20	0
	DAMAGE	300	19	11	87	114	29	0	2	0	0	47	0
	TOTAL	431	42	22	131	158	41	2	2	5	5	67	0
CHILLICOTHE	FATAL	1	0	0	0	1	0	0	0	0	1	0	0
	INJURY	71	7	4	27	22	2	2	0	5	4	2	0
	DAMAGE	227	9	6	70	96	11	0	2	0	0	21	0
	TOTAL	299	16	10	97	119	13	2	2	5	5	23	0

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
POP UNDER 1000	FATAL	4	0	1	3	0	0	0	0	0	0	0	0
	INJURY	55	16	6	14	21	10	0	0	0	18	0	6
	DAMAGE	73	10	5	17	18	18	0	0	0	26	0	5
	TOTAL	132	26	12	34	39	28	0	0	0	44	0	11
MC DONALD CO	FATAL	10	4	4	2	1	4	1	0	0	4	0	0
	INJURY	163	64	41	52	23	18	4	0	3	73	0	0
	DAMAGE	241	53	30	50	63	34	1	3	0	74	0	0
	TOTAL	414	121	75	104	87	56	6	3	3	151	0	0
ANDERSON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	3	2	3	0	1	0	0	0	2	0	0
	DAMAGE	4	1	2	2	1	0	0	0	0	2	0	0
	TOTAL	12	4	4	5	1	1	0	0	0	4	0	0
GOODMAN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	1	0	0	0	0	0	0	0	0
	DAMAGE	15	3	0	4	7	2	0	0	0	0	0	0
	TOTAL	18	3	0	5	7	2	0	0	0	0	0	0
NOEL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	2	4	2	3	1	0	0	1	2	5	0
	DAMAGE	31	3	6	7	5	2	0	0	0	9	0	0
	TOTAL	46	5	10	9	8	3	0	0	1	2	14	0
POP UNDER 1000	FATAL	10	4	4	2	1	4	1	0	0	4	0	0
	INJURY	137	59	35	46	20	16	4	0	2	66	0	0
	DAMAGE	191	46	22	37	50	30	1	3	0	63	0	0
	TOTAL	338	109	61	85	71	50	6	3	2	1	133	0
MACON CO	FATAL	3	1	0	2	2	1	0	0	0	0	0	0
	INJURY	90	18	10	32	23	10	3	0	1	34	1	1
	DAMAGE	303	22	6	94	79	36	2	1	0	37	1	7
	TOTAL	396	41	16	128	104	47	5	1	1	71	2	8
LA PLATA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	1	0	1	0	0	0	0	1	0	0
	DAMAGE	8	1	0	2	3	0	0	0	0	1	0	0
	TOTAL	12	1	1	2	4	0	0	0	0	2	0	0
MACON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	21	5	2	6	9	2	1	0	0	6	0	0
	DAMAGE	113	7	1	41	39	9	0	1	0	9	0	1
	TOTAL	134	12	3	47	48	11	1	1	0	1	15	0
POP UNDER 1000	FATAL	3	1	0	2	2	1	0	0	0	0	0	0
	INJURY	65	13	7	26	13	8	2	0	1	27	1	1
	DAMAGE	182	14	5	51	37	27	2	0	0	27	1	6
	TOTAL	250	28	12	79	52	36	4	0	1	0	54	2
MADISON CO	FATAL	6	2	3	0	2	0	0	0	0	4	0	0
	INJURY	74	22	14	24	15	7	0	2	1	32	0	0
	DAMAGE	190	20	9	57	62	22	1	2	1	33	1	0
	TOTAL	270	44	26	81	79	29	1	4	2	1	69	0
FREDERICKTOWN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	17	2	3	4	7	0	0	0	0	1	4	0
	DAMAGE	81	6	1	30	28	5	0	2	1	3	0	0
	TOTAL	98	8	4	34	35	5	0	2	1	1	7	0
POP UNDER 1000	FATAL	6	2	3	0	2	0	0	0	0	4	0	0
	INJURY	57	20	11	20	8	7	0	2	1	28	0	0
	DAMAGE	109	14	8	27	34	17	1	0	0	30	1	0
	TOTAL	172	36	22	47	44	24	1	2	1	0	62	0
MARIES CO	FATAL	6	1	0	1	1	2	0	0	0	1	0	0
	INJURY	73	24	12	24	13	5	1	1	0	33	0	0
	DAMAGE	97	12	3	16	22	18	0	2	0	30	0	0
	TOTAL	176	37	15	41	36	25	1	3	0	0	64	0
BELLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	1	0	0	0	1	1	0	0	0	0	0	0
	TOTAL	1	0	0	0	1	1	0	0	0	0	0	0
POP UNDER 1000	FATAL	6	1	0	1	1	2	0	0	0	1	0	0
	INJURY	73	24	12	24	13	5	1	1	0	33	0	0
	DAMAGE	96	12	3	16	21	17	0	2	0	30	0	0
	TOTAL	175	37	15	41	35	24	1	3	0	0	64	0

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY ¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
MARION CO	FATAL	8	2	6	3	1	1	0	0	0	3	0	1
	INJURY	285	59	37	106	66	26	8	4	9	15	3	13
	DAMAGE	867	117	33	255	216	86	4	5	1	1	2	26
	TOTAL	1160	178	76	364	283	113	12	9	10	16	5	40
HANNIBAL / MAR	FATAL	1	1	1	0	0	0	0	0	0	1	0	0
	INJURY	185	29	13	71	48	15	5	3	7	12	1	7
	DAMAGE	630	83	28	191	164	41	4	2	1	1	2	11
	TOTAL	816	113	42	262	212	56	9	5	8	13	3	18
MONROE CITY / MAR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	0	1	1	0	0	0	0	0	0
	DAMAGE	1	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	3	1	0	0	1	1	0	0	0	0	0	0
PALMYRA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	12	2	0	6	2	2	0	0	2	2	1	0
	DAMAGE	43	7	2	20	11	1	0	1	0	0	1	0
	TOTAL	55	9	2	26	13	3	0	1	2	2	2	0
POP UNDER 1000	FATAL	7	1	5	3	1	1	0	0	0	2	0	1
	INJURY	86	27	24	29	15	8	3	1	0	1	32	2
	DAMAGE	193	27	3	44	41	44	0	2	0	0	41	0
	TOTAL	286	55	32	76	57	53	3	3	0	1	75	2
MERCER CO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	30	10	1	8	7	1	1	0	0	1	12	0
	DAMAGE	60	17	1	20	15	8	0	0	0	0	15	0
	TOTAL	90	27	2	28	22	9	1	0	0	1	27	0
PRINCETON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	0	0	1	2	0	0	0	0	0	0	0
	DAMAGE	15	1	1	4	5	3	0	0	0	0	1	0
	TOTAL	20	1	1	5	7	3	0	0	0	0	1	0
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	25	10	1	7	5	1	0	0	0	1	12	0
	DAMAGE	45	16	0	16	10	5	0	0	0	0	14	0
	TOTAL	70	26	1	23	15	6	1	0	0	1	26	0
MILLER CO	FATAL	10	3	3	1	3	0	0	0	0	6	0	0
	INJURY	183	67	18	75	32	11	4	0	0	2	64	0
	DAMAGE	424	80	20	120	90	36	2	4	0	0	81	0
	TOTAL	617	150	41	196	125	47	6	4	0	2	151	0
ELDON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	37	6	4	19	4	3	0	0	0	1	4	0
	DAMAGE	121	18	3	42	36	4	0	1	0	0	10	0
	TOTAL	158	24	7	61	40	7	0	1	0	1	14	0
OSAGE BEACH / MIL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	1	0	0	0	0	0	0	1	0
	DAMAGE	5	0	0	2	2	0	0	0	0	0	1	0
	TOTAL	7	0	0	3	2	0	0	0	0	0	2	0
POP UNDER 1000	FATAL	10	3	3	1	3	0	0	0	0	6	0	0
	INJURY	144	61	14	55	28	8	4	0	0	1	59	0
	DAMAGE	298	62	17	76	52	32	2	3	0	0	70	0
	TOTAL	452	126	34	132	83	40	6	3	0	1	135	0
MISSISSIPPI CO	FATAL	5	0	2	0	1	2	0	0	0	3	0	0
	INJURY	90	23	11	23	20	6	1	0	5	5	26	0
	DAMAGE	236	41	12	41	68	32	0	1	1	0	46	1
	TOTAL	331	64	25	64	89	40	1	1	6	5	75	1
CHARLESTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	25	3	1	5	11	0	0	0	2	4	3	0
	DAMAGE	92	8	6	14	34	8	0	0	1	0	9	0
	TOTAL	117	11	7	19	45	8	0	0	3	4	12	0
EAST PRAIRIE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	12	2	0	5	2	0	1	0	3	0	2	0
	DAMAGE	43	2	0	14	10	1	0	1	0	0	4	0
	TOTAL	55	4	0	19	12	1	1	1	3	0	6	0
POP UNDER 1000	FATAL	5	0	2	0	1	2	0	0	0	3	0	0
	INJURY	53	18	10	13	7	6	0	0	0	1	21	0
	DAMAGE	101	31	6	13	24	23	0	0	0	0	33	1
	TOTAL	159	49	18	26	32	31	0	0	0	1	57	1

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR	
					UND21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV	ZONE INV
MONTEAU CO	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	83	33	12	34	14	4	0	1	0	2	29	0	0
	DAMAGE	255	40	6	90	69	14	0	2	1	0	44	0	1
	TOTAL	339	73	18	124	83	18	0	3	1	2	74	0	1
CALIFORNIA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	16	1	1	8	7	0	0	0	0	2	1	0	0
	DAMAGE	97	7	3	41	32	1	0	1	1	0	7	0	0
	TOTAL	113	8	4	49	39	1	0	1	1	2	8	0	0
TIPTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	2	1	2	1	0	0	0	0	0	1	0	0
	DAMAGE	36	3	0	12	16	2	0	0	0	0	2	0	0
	TOTAL	42	5	1	14	17	2	0	0	0	0	3	0	0
POP UNDER 1000	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	61	30	10	24	6	4	0	1	0	0	27	0	0
	DAMAGE	122	30	3	37	21	11	0	1	0	0	35	0	1
	TOTAL	184	60	13	61	27	15	0	2	0	0	63	0	1
MONROE CO	FATAL	5	3	1	2	0	1	0	0	0	0	1	0	0
	INJURY	41	8	7	7	8	2	0	0	0	1	18	0	0
	DAMAGE	160	18	2	46	41	17	1	1	0	0	23	0	1
	TOTAL	206	29	10	55	49	20	1	1	0	1	42	0	1
MONROE CITY / MON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	0	0	3	0	0	0	0	0	1	1	0	0
	DAMAGE	40	2	1	14	19	3	1	1	0	0	3	0	0
	TOTAL	49	2	1	17	19	3	1	1	0	1	4	0	0
PARIS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	0	0	1	2	1	0	0	0	0	1	0	0
	DAMAGE	17	2	0	7	5	1	0	0	0	0	3	0	0
	TOTAL	23	2	0	8	7	2	0	0	0	0	4	0	0
POP UNDER 1000	FATAL	5	3	1	2	0	1	0	0	0	0	1	0	0
	INJURY	26	8	7	3	6	1	0	0	0	0	16	0	0
	DAMAGE	103	14	1	25	17	13	0	0	0	0	17	0	1
	TOTAL	134	25	9	30	23	15	0	0	0	0	34	0	1
MONTGOMERY CO	FATAL	2	0	0	0	0	1	0	0	1	1	0	0	1
	INJURY	133	33	16	41	26	23	6	2	2	1	45	2	5
	DAMAGE	224	58	10	52	50	39	0	2	0	0	67	0	2
	TOTAL	359	91	26	93	76	63	6	4	3	2	112	2	8
MONTGOMERY CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	4	2	8	7	0	0	0	1	0	1	0	0
	DAMAGE	35	4	4	10	9	1	0	2	0	0	5	0	0
	TOTAL	50	8	6	18	16	1	0	2	1	0	6	0	0
WELLSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	0	1	0	0	0
	DAMAGE	14	2	0	5	9	0	0	0	0	0	2	0	0
	TOTAL	15	2	0	5	9	0	0	0	0	1	2	0	0
POP UNDER 1000	FATAL	2	0	0	0	0	1	0	0	1	1	0	0	1
	INJURY	117	29	14	33	19	23	6	2	1	0	44	2	5
	DAMAGE	175	52	6	37	32	38	0	0	0	0	60	0	2
	TOTAL	294	81	20	70	51	62	6	2	2	1	104	2	8
MORGAN CO	FATAL	9	3	4	3	1	2	0	0	0	0	4	0	0
	INJURY	112	41	15	38	22	7	1	1	2	3	52	0	0
	DAMAGE	319	66	20	78	86	19	4	1	1	0	83	0	0
	TOTAL	440	110	39	119	109	28	5	2	3	3	139	0	0
VERSAILLES	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	1	0	5	3	0	0	0	2	2	3	0	0
	DAMAGE	61	6	1	26	17	0	1	1	0	0	6	0	0
	TOTAL	75	7	1	31	20	0	1	1	2	2	9	0	0
POP UNDER 1000	FATAL	9	3	4	3	1	2	0	0	0	0	4	0	0
	INJURY	98	40	15	33	19	7	1	1	0	1	49	0	0
	DAMAGE	258	60	19	52	69	19	3	0	1	0	77	0	0
	TOTAL	365	103	38	88	89	28	4	1	1	1	130	0	0
NEW MADRID CO	FATAL	8	2	3	1	1	0	0	0	0	0	1	0	0
	INJURY	130	40	25	37	28	19	0	1	2	0	38	1	1
	DAMAGE	339	48	14	68	96	66	1	3	0	0	54	2	0
	TOTAL	477	90	42	106	125	85	1	4	2	0	93	3	1

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	65 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
GIDEON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	3	0	1	0	2	1	0	0	0	1	0	0
	TOTAL	3	0	1	0	2	1	0	0	0	1	0	0
NEWMADRID	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	1	0	0	2	0	0	0	1	0	2	0
	DAMAGE	41	1	4	11	13	1	0	1	0	1	0	0
	TOTAL	47	2	4	11	15	1	0	1	1	0	3	0
PORTAGEVILLE	FATAL	1	1	0	1	0	0	0	0	0	0	0	0
	INJURY	7	1	3	3	3	0	0	0	0	1	0	0
	DAMAGE	45	4	0	15	13	3	1	1	0	6	0	0
	TOTAL	53	6	3	19	16	3	1	1	0	7	0	0
SIKESTON / NEW	FATAL	1	0	0	0	1	0	0	0	0	0	0	0
	INJURY	9	2	1	3	1	0	0	0	0	1	0	0
	DAMAGE	56	5	0	11	19	2	0	0	0	3	0	0
	TOTAL	66	7	1	14	21	2	0	0	0	4	0	0
POP UNDER 1000	FATAL	6	1	3	0	0	0	0	0	0	1	0	0
	INJURY	108	36	21	31	22	19	0	1	1	0	34	1
	DAMAGE	194	38	9	31	49	59	0	1	0	0	43	2
	TOTAL	308	75	33	62	71	78	0	2	1	0	78	3
NEWTON CO	FATAL	10	1	2	3	6	3	0	0	1	0	2	1
	INJURY	466	121	63	151	123	48	15	1	3	11	127	3
	DAMAGE	894	166	41	250	260	131	2	6	0	1	184	0
	TOTAL	1370	288	106	404	389	182	17	7	4	12	313	4
GRANBY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	0	1	0	0	0	0	0	0	0
	DAMAGE	6	1	0	1	2	2	0	0	0	1	0	0
	TOTAL	8	2	0	1	3	2	0	0	0	1	0	0
JOPLIN / NEW	FATAL	1	0	0	0	1	0	0	0	0	0	0	0
	INJURY	91	12	5	23	29	8	3	0	0	2	5	0
	DAMAGE	151	15	5	33	54	16	0	1	0	0	14	0
	TOTAL	243	27	10	56	84	24	3	1	0	2	19	0
NEOSHO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	123	26	11	45	33	11	4	1	1	6	20	0
	DAMAGE	281	45	12	83	87	27	0	2	0	1	43	0
	TOTAL	404	71	23	128	120	38	4	3	1	7	63	0
SENECA	FATAL	1	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	1	1	0	0	0	0	0	1	0
	DAMAGE	42	4	2	10	12	4	0	1	0	0	7	0
	TOTAL	45	5	2	11	13	4	0	1	0	0	8	0
POP UNDER 1000	FATAL	8	1	2	3	5	3	0	0	1	0	2	1
	INJURY	248	81	47	82	59	29	8	0	2	3	101	3
	DAMAGE	414	101	22	123	105	82	2	2	0	0	119	0
	TOTAL	670	183	71	208	169	114	10	2	3	3	222	4
NODAWAY CO	FATAL	5	2	1	1	1	1	0	0	0	0	2	0
	INJURY	142	49	26	53	35	10	2	1	5	2	50	0
	DAMAGE	356	49	15	130	82	30	2	1	2	0	67	0
	TOTAL	503	100	42	184	118	41	4	2	7	2	119	0
MARYVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	44	9	2	21	13	3	1	0	4	2	2	0
	DAMAGE	246	25	10	95	65	12	2	1	2	0	21	0
	TOTAL	290	34	12	116	78	15	3	1	6	2	23	0
POP UNDER 1000	FATAL	5	2	1	1	1	1	0	0	0	0	2	0
	INJURY	98	40	24	32	22	7	1	1	1	0	48	0
	DAMAGE	110	24	5	35	17	18	0	0	0	0	46	0
	TOTAL	213	66	30	68	40	26	1	1	1	0	96	0
OREGON CO	FATAL	4	2	0	1	0	0	0	0	0	0	1	0
	INJURY	37	10	6	11	9	2	3	0	0	0	12	1
	DAMAGE	87	13	7	22	26	18	0	0	0	0	23	0
	TOTAL	128	25	13	34	35	20	3	0	0	0	36	1
THAYER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	0	1	3	5	0	2	0	0	0	0	0
	DAMAGE	31	3	4	10	11	1	0	0	0	0	5	0
	TOTAL	40	3	5	13	16	1	2	0	0	0	5	0

TABLE 4.0.1

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CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR	
					UND21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV	ZONE INV
POP UNDER 1000	FATAL	4	2	0	1	0	0	0	0	0	0	1	0	0
	INJURY	28	10	5	8	4	2	1	0	0	0	12	1	0
	DAMAGE	56	10	3	12	15	17	0	0	0	0	18	0	1
	TOTAL	88	22	8	21	19	19	1	0	0	0	31	1	1
OSAGE CO	FATAL	2	0	0	1	0	0	0	0	0	0	0	0	0
	INJURY	89	36	14	32	12	9	0	0	0	2	38	1	0
	DAMAGE	157	32	12	67	36	12	0	2	0	0	41	1	1
	TOTAL	248	68	26	100	48	21	0	2	0	2	79	2	1
LINN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	3	1	1	1	0	0	0	0	0	2	0	0
	DAMAGE	38	6	1	24	10	0	0	0	0	0	4	0	0
	TOTAL	44	9	2	25	11	0	0	0	0	0	6	0	0
POP UNDER 1000	FATAL	2	0	0	1	0	0	0	0	0	0	0	0	0
	INJURY	83	33	13	31	11	9	0	0	0	2	36	1	0
	DAMAGE	119	26	11	43	26	12	0	2	0	0	37	1	1
	TOTAL	204	59	24	75	37	21	0	2	0	2	73	2	1
OZARK CO	FATAL	3	2	2	3	0	0	0	0	0	0	2	0	0
	INJURY	65	16	11	23	15	6	4	0	0	0	23	0	0
	DAMAGE	84	16	11	30	28	10	1	1	0	0	18	0	0
	TOTAL	152	34	24	56	43	16	5	1	0	0	43	0	0
POP UNDER 1000	FATAL	3	2	2	3	0	0	0	0	0	0	2	0	0
	INJURY	65	16	11	23	15	6	4	0	0	0	23	0	0
	DAMAGE	84	16	11	30	28	10	1	1	0	0	18	0	0
	TOTAL	152	34	24	56	43	16	5	1	0	0	43	0	0
PEMISCOT CO	FATAL	9	0	3	1	5	2	0	0	0	2	3	0	0
	INJURY	165	65	37	44	29	20	3	0	3	7	48	1	0
	DAMAGE	381	98	38	86	109	70	0	3	0	0	62	1	3
	TOTAL	555	163	78	131	143	92	3	3	3	9	113	2	3
CARUTHERSVILLE	FATAL	1	0	1	0	1	0	0	0	0	0	0	0	0
	INJURY	25	2	3	7	8	0	0	0	3	2	5	0	0
	DAMAGE	101	14	7	24	34	2	0	1	0	0	4	0	0
	TOTAL	127	16	11	31	43	2	0	1	3	2	9	0	0
HAYTI	FATAL	1	0	0	0	0	1	0	0	0	1	0	0	0
	INJURY	22	4	4	8	4	4	1	0	0	3	2	0	0
	DAMAGE	70	7	6	20	26	5	0	1	0	0	2	0	1
	TOTAL	93	11	10	28	30	10	1	1	0	4	4	0	1
STEELE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	0	1	0	1	0	0	0	0	1	0	0	0
	DAMAGE	24	1	4	8	10	2	0	0	0	0	2	1	0
	TOTAL	29	1	5	8	11	2	0	0	0	1	2	1	0
POP UNDER 1000	FATAL	7	0	2	1	4	1	0	0	0	1	3	0	0
	INJURY	113	59	29	29	16	16	2	0	0	1	41	1	0
	DAMAGE	186	76	21	34	39	61	0	1	0	0	54	0	2
	TOTAL	306	135	52	64	59	78	2	1	0	2	98	1	2
PERRY CO	FATAL	5	1	0	1	3	1	0	0	0	1	0	1	0
	INJURY	140	36	10	57	29	9	4	0	0	1	42	0	0
	DAMAGE	361	47	10	121	98	39	0	1	0	0	66	0	0
	TOTAL	506	84	20	179	130	49	4	1	0	2	108	1	0
PERRYVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	57	8	4	25	17	2	2	0	0	1	3	0	0
	DAMAGE	209	17	2	79	71	15	0	0	0	0	18	0	0
	TOTAL	266	25	6	104	88	17	2	0	0	1	21	0	0
POP UNDER 1000	FATAL	5	1	0	1	3	1	0	0	0	1	0	1	0
	INJURY	83	28	6	32	12	7	2	0	0	0	39	0	0
	DAMAGE	152	30	8	42	27	24	0	1	0	0	48	0	0
	TOTAL	240	59	14	75	42	32	2	1	0	1	87	1	0
PETTIS CO	FATAL	5	0	0	1	3	1	0	0	0	0	2	0	0
	INJURY	331	65	33	127	88	17	6	2	7	13	77	2	1
	DAMAGE	993	122	39	308	260	57	4	2	3	0	124	0	0
	TOTAL	1329	187	72	436	351	75	10	4	10	13	203	2	1
SEDALIA	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	207	18	12	85	64	9	5	2	5	11	12	2	1
	DAMAGE	726	53	26	243	214	40	2	2	2	0	43	0	0
	TOTAL	934	71	38	328	279	49	7	4	7	11	55	2	1

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CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
POP UNDER 1000	FATAL	4	0	0	1	2	1	0	0	0	2	0	0
	INJURY	124	47	21	42	24	8	1	0	2	65	0	0
	DAMAGE	267	69	13	65	46	17	2	0	1	81	0	0
	TOTAL	395	116	34	108	72	26	3	0	3	148	0	0
PHELPS CO	FATAL	7	2	1	2	2	1	0	0	0	3	0	0
	INJURY	347	71	37	121	74	39	11	1	3	109	1	0
	DAMAGE	883	84	47	284	230	105	5	3	1	145	3	1
	TOTAL	1237	157	85	407	306	145	16	4	4	257	4	1
ROLLA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	124	7	6	48	35	7	2	0	3	8	0	0
	DAMAGE	482	21	15	176	140	33	3	2	1	35	1	0
	TOTAL	606	28	21	224	175	40	5	2	4	43	1	0
ST. JAMES	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	17	0	1	7	6	2	0	0	0	3	0	0
	DAMAGE	74	4	1	25	25	2	0	0	0	8	0	1
	TOTAL	91	4	2	32	31	4	0	0	0	11	0	1
POP UNDER 1000	FATAL	7	2	1	2	2	1	0	0	0	3	0	0
	INJURY	206	64	30	66	33	30	9	1	0	98	1	0
	DAMAGE	327	59	31	83	65	70	2	1	0	102	2	0
	TOTAL	540	125	62	151	100	101	11	2	0	203	3	0
PIKE CO	FATAL	3	1	0	2	0	1	0	0	0	1	0	0
	INJURY	110	22	17	35	22	11	0	2	1	43	1	0
	DAMAGE	269	35	12	84	57	39	0	0	1	61	2	2
	TOTAL	382	58	29	121	79	51	0	2	2	105	3	2
BOWLING GREEN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	1	0	4	4	0	0	2	0	0	0	0
	DAMAGE	51	4	0	21	14	1	0	0	0	3	0	0
	TOTAL	60	5	0	25	18	1	0	2	0	3	0	0
LOUISIANA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	16	6	2	9	5	1	0	0	1	3	0	0
	DAMAGE	82	8	5	24	19	10	0	0	1	12	0	2
	TOTAL	98	14	7	33	24	11	0	0	2	15	0	2
POP UNDER 1000	FATAL	3	1	0	2	0	1	0	0	0	1	0	0
	INJURY	85	15	15	22	13	10	0	0	0	40	1	0
	DAMAGE	136	23	7	39	24	28	0	0	0	46	2	0
	TOTAL	224	39	22	63	37	39	0	0	0	87	3	0
PLATTE CO	FATAL	6	6	1	1	0	0	0	0	0	5	0	0
	INJURY	530	155	47	177	86	29	11	4	4	151	2	1
	DAMAGE	1519	276	63	310	226	108	2	11	3	305	4	2
	TOTAL	2055	437	111	488	312	137	13	15	7	461	6	3
KANSAS CITY / PLA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	255	55	16	77	50	14	0	1	1	57	0	0
	DAMAGE	891	134	27	161	132	66	1	7	3	169	2	0
	TOTAL	1146	189	43	238	182	80	1	8	4	226	2	0
PARKVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	27	8	0	10	3	2	0	0	1	2	0	0
	DAMAGE	75	19	3	15	10	5	0	1	0	10	1	0
	TOTAL	102	27	3	25	13	7	0	1	1	12	1	0
PLATTE CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	13	2	3	5	2	1	1	1	1	4	0	0
	DAMAGE	61	6	5	21	16	8	0	1	0	4	0	0
	TOTAL	74	8	8	26	18	9	1	2	1	8	0	0
RIVERSIDE	FATAL	1	1	0	0	0	0	0	0	0	0	0	0
	INJURY	46	10	10	14	10	3	2	1	1	13	1	0
	DAMAGE	82	14	9	15	12	4	0	0	0	12	0	0
	TOTAL	129	25	19	29	22	7	2	1	1	25	1	0
WEATHERBYLAKE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	3	1	0	1	0	1	0	0	0	1	0	0
	TOTAL	3	1	0	1	0	1	0	0	0	1	0	0
WESTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	5	0	2	1	0	0	0	0	1	0	0
	DAMAGE	31	5	0	11	5	0	0	0	0	7	0	0
	TOTAL	37	10	0	13	6	0	0	0	0	8	0	0

TABLE 4.0.1

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CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
POP UNDER 1000	FATAL	5	5	1	1	0	0	0	0	0	5	0	0
	INJURY	183	75	18	69	20	9	8	1	0	2	74	1
	DAMAGE	376	97	19	86	51	24	1	2	0	102	1	2
	TOTAL	564	177	38	156	71	33	9	3	0	2	181	2
POLK CO	FATAL	8	2	2	2	2	3	0	0	0	1	2	0
	INJURY	211	52	20	69	68	19	8	1	2	3	62	1
	DAMAGE	348	49	9	101	121	42	0	5	1	1	66	0
	TOTAL	567	103	31	172	191	64	8	6	3	5	130	1
BOLIVAR	FATAL	1	0	0	0	0	0	0	0	0	1	0	0
	INJURY	62	8	2	23	23	2	2	1	2	2	8	0
	DAMAGE	189	17	2	53	79	16	0	3	1	1	16	0
	TOTAL	252	25	4	76	102	18	2	4	3	3	25	0
HUMANSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	1	1	0	0	0	0	0	0
	DAMAGE	6	1	0	3	2	1	0	0	0	0	1	0
	TOTAL	7	1	0	3	3	2	0	0	0	0	1	0
POP UNDER 1000	FATAL	7	2	2	2	2	3	0	0	0	1	1	0
	INJURY	148	44	18	46	44	16	6	0	0	1	54	1
	DAMAGE	153	31	7	45	40	25	0	2	0	0	49	0
	TOTAL	308	77	27	93	86	44	6	2	0	2	104	1
PULASKICO	FATAL	9	5	4	2	1	2	0	0	0	2	4	1
	INJURY	207	50	33	65	34	14	7	3	1	5	83	1
	DAMAGE	454	55	31	118	92	42	0	4	0	0	113	1
	TOTAL	670	110	68	185	127	58	7	7	1	7	200	3
DIXON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	3	1	0	2	0	1	1	0	0	1	0
	DAMAGE	22	3	1	7	2	0	0	0	0	0	2	0
	TOTAL	28	6	2	7	4	0	1	1	0	0	3	0
RICHLAND	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	1	1	1	0	0	0	0	0	1	0
	DAMAGE	16	1	1	4	6	1	0	0	0	0	0	0
	TOTAL	20	2	2	5	7	1	0	0	0	0	1	0
ST. ROBERT	FATAL	2	1	2	0	0	0	0	0	0	1	1	0
	INJURY	47	15	6	11	10	3	0	1	1	2	7	1
	DAMAGE	98	10	8	26	25	5	0	2	0	0	19	0
	TOTAL	147	26	16	37	35	8	0	3	1	3	27	1
WAYNESVILLE	FATAL	1	0	0	0	1	0	0	0	0	1	0	0
	INJURY	11	2	1	5	1	0	1	0	0	0	1	0
	DAMAGE	46	4	0	22	12	0	0	0	0	0	4	0
	TOTAL	58	6	1	27	14	0	1	0	0	1	5	0
POP UNDER 1000	FATAL	6	4	2	2	0	2	0	0	0	0	3	1
	INJURY	139	29	24	48	20	11	5	1	0	3	73	0
	DAMAGE	272	37	21	59	47	36	0	2	0	0	88	1
	TOTAL	417	70	47	109	67	49	5	3	0	3	164	2
PUTNAMCO	FATAL	3	1	3	3	0	0	0	0	0	0	2	0
	INJURY	38	13	7	13	4	4	1	0	0	1	18	2
	DAMAGE	79	15	4	17	18	12	0	0	0	0	25	0
	TOTAL	120	29	14	33	22	16	1	0	0	1	45	2
UNIONVILLE	FATAL	1	0	1	1	0	0	0	0	0	0	0	0
	INJURY	7	3	1	4	0	0	0	0	0	1	0	0
	DAMAGE	32	4	2	10	10	1	0	0	0	0	4	0
	TOTAL	40	7	4	15	10	1	0	0	0	1	4	0
POP UNDER 1000	FATAL	2	1	2	2	0	0	0	0	0	0	2	0
	INJURY	31	10	6	9	4	4	1	0	0	0	18	2
	DAMAGE	47	11	2	7	8	11	0	0	0	0	21	0
	TOTAL	80	22	10	18	12	15	1	0	0	0	41	2
RALLSCO	FATAL	3	1	0	1	2	0	0	0	0	0	1	0
	INJURY	73	18	13	20	16	17	2	0	0	2	31	0
	DAMAGE	172	27	19	48	38	26	1	2	0	0	40	1
	TOTAL	248	46	32	69	56	43	3	2	0	2	72	1
HANNIBAL / RAL	FATAL	1	0	0	1	1	0	0	0	0	0	0	0
	INJURY	3	2	2	0	1	0	0	0	0	0	2	0
	DAMAGE	18	1	0	4	6	1	0	0	0	0	2	0
	TOTAL	22	3	2	5	8	1	0	0	0	0	4	0

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY ¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
MONROE CITY / RAL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	0	1	0	0
	DAMAGE	1	1	0	0	0	1	0	0	0	0	0	0
	TOTAL	2	1	0	0	0	1	0	0	0	1	0	0
POP UNDER 1000	FATAL	2	1	0	0	1	0	0	0	0	1	0	0
	INJURY	69	16	11	20	15	17	2	0	2	28	0	2
	DAMAGE	153	25	19	44	32	24	1	2	0	38	1	1
	TOTAL	224	42	30	64	48	41	3	2	2	67	1	3
RANDOLPHCO	FATAL	6	3	1	1	2	2	0	0	0	2	0	0
	INJURY	224	41	23	78	52	18	4	2	5	38	0	0
	DAMAGE	591	84	20	189	141	44	0	3	2	90	1	3
	TOTAL	821	128	44	268	195	64	4	5	7	130	1	3
HUNTSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	14	1	0	5	6	3	0	2	0	2	0	0
	TOTAL	14	1	0	5	6	3	0	2	0	2	0	0
MOBERLY	FATAL	1	1	1	0	0	0	0	0	0	1	0	0
	INJURY	151	13	11	54	39	11	4	1	5	16	0	0
	DAMAGE	384	40	11	132	112	17	0	1	2	34	0	1
	TOTAL	536	54	23	186	151	28	4	2	7	51	0	1
POP UNDER 1000	FATAL	5	2	0	1	2	2	0	0	0	1	0	0
	INJURY	73	28	12	24	13	7	0	1	0	22	0	0
	DAMAGE	193	43	9	52	23	24	0	0	0	54	1	2
	TOTAL	271	73	21	77	38	33	0	1	0	77	1	2
RAY CO	FATAL	3	3	1	1	0	0	0	0	0	2	0	0
	INJURY	143	51	21	65	26	7	2	2	0	62	0	0
	DAMAGE	333	66	21	102	75	30	1	2	0	81	1	2
	TOTAL	479	120	43	168	101	37	3	4	0	145	1	2
EXCELSIOR SPRINGS / RAY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	4	1	0	1	1	2	0	0	0	0	0	0
	TOTAL	5	1	0	1	1	2	0	0	0	0	0	0
LAWSON / RAY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	0	4	0	0	0	0	2	0	0	0
	DAMAGE	14	2	0	3	6	1	0	0	0	4	0	0
	TOTAL	18	3	0	7	6	1	0	0	2	4	0	0
RICHMOND	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	39	12	5	17	11	1	1	0	3	7	0	0
	DAMAGE	130	22	10	40	34	10	0	1	0	27	0	0
	TOTAL	169	34	15	57	45	11	1	1	3	34	0	0
POP UNDER 1000	FATAL	3	3	1	1	0	0	0	0	0	2	0	0
	INJURY	99	38	16	44	15	6	1	2	0	55	0	0
	DAMAGE	185	41	11	58	34	17	1	1	0	50	1	2
	TOTAL	287	82	28	103	49	23	2	3	0	107	1	2
REYNOLDS CO	FATAL	4	1	0	0	1	1	0	0	0	3	1	0
	INJURY	34	11	6	8	7	10	1	0	0	13	1	0
	DAMAGE	52	8	1	16	5	6	0	0	0	10	1	0
	TOTAL	90	20	7	24	13	17	1	0	0	26	3	0
POP UNDER 1000	FATAL	4	1	0	0	1	1	0	0	0	3	1	0
	INJURY	34	11	6	8	7	10	1	0	0	13	1	0
	DAMAGE	52	8	1	16	5	6	0	0	0	10	1	0
	TOTAL	90	20	7	24	13	17	1	0	0	26	3	0
RIPLEY CO	FATAL	9	2	2	4	1	1	1	0	1	3	0	0
	INJURY	83	10	13	22	17	8	2	0	2	28	0	0
	DAMAGE	158	14	16	47	44	14	0	0	0	34	0	1
	TOTAL	250	26	31	73	62	23	3	0	3	65	0	1
DONIPHAN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	1	0	6	1	0	0	0	0	1	0	0
	DAMAGE	44	4	1	19	24	1	0	0	0	2	0	0
	TOTAL	54	5	1	25	25	1	0	0	0	3	0	0
POP UNDER 1000	FATAL	9	2	2	4	1	1	1	0	1	3	0	0
	INJURY	73	9	13	16	16	8	2	0	0	27	0	0
	DAMAGE	114	10	15	28	20	13	0	0	0	32	0	1
	TOTAL	196	21	30	48	37	22	3	0	3	62	0	1

TABLE 40.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY ¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR	
					UND21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV	ZONE INV
ST. CHARLES CO	FATAL	19	9	7	6	5	2	0	0	0	1	5	0	0
	INJURY	1622	404	158	583	319	98	46	6	27	40	300	5	20
	DAMAGE	4769	818	197	1493	879	370	11	25	7	5	630	2	50
	TOTAL	6410	1231	362	2082	1203	470	57	31	34	46	935	7	70
COUNTRY CLUB	FATAL	1	1	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	6	3	7	1	0	0	0	0	0	6	0	0
	DAMAGE	10	2	0	7	0	0	0	0	0	0	2	0	0
	TOTAL	25	9	3	14	1	0	0	0	0	0	8	0	0
LAKE ST. LOUIS	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	46	9	8	17	12	7	1	1	0	0	8	1	0
	DAMAGE	127	12	8	37	29	17	0	1	1	0	19	0	0
	TOTAL	174	21	16	54	41	24	1	2	1	0	28	1	0
O'FALLON	FATAL	2	1	1	2	0	1	0	0	0	0	1	0	0
	INJURY	221	36	21	73	41	15	6	1	6	5	42	1	1
	DAMAGE	552	67	28	160	90	62	0	3	2	1	73	0	0
	TOTAL	775	104	50	235	131	78	6	4	8	6	116	1	1
ST. CHARLES	FATAL	3	1	2	1	0	0	0	0	0	1	0	0	0
	INJURY	441	110	34	140	97	24	8	1	9	14	53	1	0
	DAMAGE	1957	364	68	600	423	113	7	2	2	1	172	0	8
	TOTAL	2401	475	104	741	520	137	15	3	11	16	225	1	8
ST. PAUL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	1	0	0	1	0	0	0	0	0	0	1	0	0
	TOTAL	3	0	0	2	0	0	0	0	0	0	1	0	0
ST. PETERS	FATAL	3	1	0	1	1	0	0	0	0	0	0	0	0
	INJURY	441	84	34	182	83	19	11	3	6	11	45	1	12
	DAMAGE	1080	151	39	403	186	59	0	6	1	2	125	0	29
	TOTAL	1524	236	73	586	270	78	11	9	7	13	170	1	41
WELDON SPRINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	1	1	6	3	0	0	0	0	0	2	0	0
	DAMAGE	38	1	1	10	4	4	0	0	0	0	4	0	0
	TOTAL	48	2	2	16	7	4	0	0	0	0	6	0	0
WENTZVILLE	FATAL	4	2	2	0	2	1	0	0	0	0	2	0	0
	INJURY	61	16	6	19	8	6	1	0	0	2	18	0	2
	DAMAGE	225	46	7	59	38	31	0	2	0	0	52	0	1
	TOTAL	290	64	15	78	48	38	1	2	0	2	72	0	3
POP UNDER 1000	FATAL	5	3	2	2	2	0	0	0	0	0	1	0	0
	INJURY	386	142	51	138	74	27	19	0	6	8	126	1	5
	DAMAGE	779	175	46	216	109	84	4	11	1	1	182	2	12
	TOTAL	1170	320	99	356	185	111	23	11	7	9	309	3	17
ST. CLAIR CO	FATAL	6	1	0	2	2	1	0	0	0	1	2	0	0
	INJURY	99	34	12	19	29	11	2	0	1	1	34	0	0
	DAMAGE	121	21	6	26	34	20	0	0	0	0	30	0	0
	TOTAL	226	56	18	47	65	32	2	0	1	2	66	0	0
APPLETON CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	1	1	0	0	0	0	0	0	0	0
	DAMAGE	5	0	0	1	2	0	0	0	0	0	0	0	0
	TOTAL	7	0	0	2	3	0	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	6	1	0	2	2	1	0	0	0	1	2	0	0
	INJURY	97	34	12	18	28	11	2	0	1	1	34	0	0
	DAMAGE	116	21	6	25	32	20	0	0	0	0	30	0	0
	TOTAL	219	56	16	45	62	32	2	0	1	2	66	0	0
ST. FRANCOIS CO	FATAL	17	4	3	3	6	1	1	0	0	3	9	0	0
	INJURY	505	112	56	182	104	17	12	3	10	15	145	0	0
	DAMAGE	1039	103	32	329	261	69	4	6	3	0	167	0	0
	TOTAL	1561	219	91	514	371	87	17	9	13	18	321	0	0
BONNETERRE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	26	6	3	5	3	1	1	0	2	2	8	0	0
	DAMAGE	48	4	1	13	10	1	0	0	1	0	4	0	0
	TOTAL	74	10	4	18	13	2	1	0	3	2	12	0	0
DESLOGE	FATAL	1	0	0	1	0	0	0	0	0	0	0	0	0
	INJURY	30	3	0	14	6	1	1	2	1	0	1	0	0
	DAMAGE	85	2	4	21	28	6	0	2	1	0	10	0	0
	TOTAL	116	5	4	36	34	7	1	4	2	0	11	0	0

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
FARMINGTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	111	12	5	43	38	3	1	0	2	4	7	0
	DAMAGE	329	20	4	118	105	12	2	0	1	0	23	0
	TOTAL	440	32	9	161	143	15	3	0	3	4	30	0
LEADWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	0	3	0	0	0	0	2	0	0	0
	DAMAGE	7	1	1	2	0	1	0	1	0	0	0	0
	TOTAL	11	1	1	5	0	1	0	1	2	0	0	0
PARK HILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	51	7	4	18	8	2	1	1	0	4	8	0
	DAMAGE	168	10	5	61	47	3	1	0	0	0	12	0
	TOTAL	219	17	9	79	55	5	2	1	0	4	20	0
POP UNDER 1000	FATAL	16	4	3	2	6	1	1	0	0	3	9	0
	INJURY	283	84	44	99	49	10	8	0	3	5	121	0
	DAMAGE	402	66	17	114	71	46	1	3	0	0	118	0
	TOTAL	701	154	64	215	126	57	10	3	3	8	248	0
ST. LOUIS CO	FATAL	74	22	18	13	19	8	3	0	0	14	27	1
	INJURY	8935	1896	535	2497	2238	523	128	61	205	338	1200	7
	DAMAGE	23458	3791	688	5665	5438	1753	28	220	29	7	2717	12
	TOTAL	32467	5709	1241	8175	7695	2284	159	281	234	359	3944	20
BALLWIN	FATAL	1	0	0	0	1	0	0	0	0	0	0	0
	INJURY	97	18	6	35	24	3	1	0	2	6	8	0
	DAMAGE	334	63	7	106	76	16	0	4	0	0	30	0
	TOTAL	432	81	13	141	101	19	1	4	2	6	38	0
BELLEFONTAINE NEIGHBORS	FATAL	1	0	0	1	1	0	0	0	0	0	0	0
	INJURY	76	11	6	24	23	7	2	1	1	1	18	1
	DAMAGE	163	20	5	26	41	16	1	3	1	0	30	0
	TOTAL	240	31	11	51	65	23	3	4	2	1	48	1
BEL-NOR	FATAL	1	0	0	0	1	0	0	0	0	0	1	0
	INJURY	6	2	0	3	0	0	0	0	0	0	1	0
	DAMAGE	27	3	2	6	10	1	0	1	0	0	2	0
	TOTAL	34	5	2	9	11	1	0	1	0	0	4	0
BEL-RIDGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	30	8	4	3	6	1	0	0	0	4	2	0
	DAMAGE	88	20	2	24	18	4	0	0	0	0	14	0
	TOTAL	118	28	6	27	24	5	0	0	0	4	16	0
BERKELEY	FATAL	3	2	1	0	2	0	1	0	0	0	1	0
	INJURY	180	48	11	42	33	17	3	1	6	11	49	0
	DAMAGE	497	108	13	99	112	58	0	2	2	0	67	0
	TOTAL	680	158	25	141	147	75	4	3	8	11	117	0
BLACK JACK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	26	8	1	9	7	1	1	1	0	2	6	0
	DAMAGE	43	10	0	9	9	0	0	1	0	0	13	0
	TOTAL	69	18	1	18	16	1	1	2	0	2	19	0
BRECKENRIDGE HILLS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	62	9	3	21	17	4	2	1	1	2	2	0
	DAMAGE	168	16	3	41	45	5	0	2	0	1	9	0
	TOTAL	230	25	6	62	62	9	2	3	1	3	11	0
BRENTWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	63	12	4	13	23	5	0	1	4	1	5	0
	DAMAGE	274	28	3	34	84	16	0	1	2	0	17	0
	TOTAL	337	40	7	47	107	21	0	2	6	1	22	0
BRIDGETON	FATAL	1	0	1	0	0	0	0	0	0	0	0	0
	INJURY	338	63	27	80	94	30	4	2	5	7	33	0
	DAMAGE	828	100	17	168	177	106	1	6	0	0	74	1
	TOTAL	1167	163	45	248	271	136	5	8	5	7	107	1
CALVERTON PARK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	19	1	1	6	0	0	0	0	2	1	5	0
	DAMAGE	16	2	1	4	6	1	0	0	0	0	2	0
	TOTAL	35	3	2	10	6	1	0	0	2	1	7	0
CHARLACK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	1	0	1	2	1	0	0	0	1	1	0
	DAMAGE	13	1	0	2	1	0	0	0	0	0	3	0
	TOTAL	18	2	0	3	3	1	0	0	0	1	4	0

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
CHESTERFIELD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	310	54	10	112	81	10	2	1	5	5	51	0
	DAMAGE	913	87	19	268	183	62	1	10	0	0	118	0
	TOTAL	1223	141	29	380	264	72	3	11	5	5	169	0
CLARKSON VALLEY	FATAL	1	0	1	0	0	0	0	0	0	0	0	0
	INJURY	3	1	0	1	2	0	0	0	0	0	2	0
	DAMAGE	10	3	0	4	0	0	0	0	0	0	3	0
	TOTAL	14	4	1	5	2	0	0	0	0	0	5	0
CLAYTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	188	28	10	48	46	7	1	1	8	13	14	0
	DAMAGE	485	48	10	84	131	42	0	1	1	0	45	0
	TOTAL	673	76	20	132	177	49	1	2	9	13	59	0
COOL VALLEY	FATAL	2	1	1	0	1	1	0	0	0	0	1	0
	INJURY	23	4	0	4	2	2	0	0	0	0	4	0
	DAMAGE	67	20	0	11	14	9	0	0	0	0	14	0
	TOTAL	92	25	1	15	17	12	0	0	0	0	19	0
COUNTRY CLUB HILLS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	30	6	3	6	7	2	0	0	0	1	0	1
	DAMAGE	51	18	3	13	13	0	0	0	1	0	8	0
	TOTAL	81	24	6	19	20	2	0	0	1	1	8	1
CRESTWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	55	7	2	19	20	5	0	0	1	3	3	0
	DAMAGE	152	27	1	36	45	11	0	0	2	0	19	0
	TOTAL	207	34	3	55	65	16	0	0	3	3	22	0
CREVE COEUR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	327	64	9	66	105	11	4	0	4	3	29	0
	DAMAGE	663	90	14	133	215	43	0	3	0	0	42	0
	TOTAL	990	154	23	199	320	54	4	3	4	3	71	0
DELLWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	37	9	2	10	12	0	1	0	3	3	3	0
	DAMAGE	68	20	1	16	15	3	0	0	0	0	8	0
	TOTAL	105	29	3	26	27	3	1	0	3	3	11	0
DES PERES	FATAL	1	1	0	0	1	0	0	0	0	0	0	1
	INJURY	120	13	5	30	33	2	1	0	1	0	13	0
	DAMAGE	345	33	8	56	90	24	0	1	0	0	32	0
	TOTAL	466	47	13	86	124	26	1	1	1	0	45	0
EDMUNDSON	FATAL	2	0	1	0	0	1	0	0	0	1	1	0
	INJURY	13	2	0	0	4	0	0	0	2	1	1	0
	DAMAGE	57	12	3	7	11	5	0	0	0	0	6	0
	TOTAL	72	14	4	7	15	6	0	0	2	2	8	0
ELLISVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	83	10	1	38	23	2	4	1	2	4	4	0
	DAMAGE	266	25	6	98	63	8	0	3	0	1	23	0
	TOTAL	349	35	7	136	86	10	4	4	2	5	27	0
EUREKA	FATAL	2	0	1	0	0	1	0	0	0	0	0	0
	INJURY	76	11	8	23	15	4	2	1	1	2	16	0
	DAMAGE	203	19	5	74	37	15	0	1	0	0	29	0
	TOTAL	281	30	14	97	52	20	2	2	1	2	45	0
FENTON / STL	FATAL	1	0	0	0	0	0	0	0	0	0	1	0
	INJURY	64	15	7	12	7	11	1	1	0	0	22	0
	DAMAGE	282	41	4	51	51	58	0	0	0	0	40	0
	TOTAL	347	56	11	63	58	69	1	1	0	0	63	0
FERGUSON	FATAL	4	1	0	2	0	0	0	0	0	0	3	0
	INJURY	193	45	10	52	40	5	4	0	9	11	33	0
	DAMAGE	432	70	10	104	115	20	0	4	0	0	39	1
	TOTAL	629	116	20	158	155	25	4	4	9	11	75	1
FLORISSANT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	378	60	19	126	116	10	3	2	12	15	37	0
	DAMAGE	1012	91	26	280	257	52	1	11	2	0	61	0
	TOTAL	1390	151	45	406	373	62	4	13	14	15	98	0
FRONTENAC	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	70	24	7	25	20	6	0	1	0	1	11	0
	DAMAGE	158	38	3	31	42	17	0	2	0	0	22	0
	TOTAL	228	62	10	56	62	23	0	3	0	1	33	0

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	65 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
GLENDALE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	25	5	1	7	8	0	1	0	1	2	4	0
	DAMAGE	49	8	3	12	17	1	0	0	0	8	0	0
	TOTAL	74	13	4	19	25	1	1	0	1	2	12	0
HANLEY HILLS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	0	1	0	0
	DAMAGE	12	2	0	4	0	0	0	0	0	3	0	0
	TOTAL	13	2	0	4	0	0	0	0	0	4	0	0
HAZELWOOD	FATAL	3	1	2	0	0	0	0	0	0	3	0	0
	INJURY	185	40	11	44	32	19	1	3	4	5	33	0
	DAMAGE	532	58	15	120	133	54	1	3	0	0	60	1
	TOTAL	720	99	28	164	165	73	2	6	4	5	96	1
HILLSDALE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	3	0	3	2	1	0	0	0	1	1	0
	DAMAGE	36	5	1	4	7	5	0	0	0	0	2	0
	TOTAL	45	8	1	7	9	6	0	0	0	1	3	0
JENNINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	117	32	5	26	27	4	2	1	2	10	8	0
	DAMAGE	339	81	14	79	80	20	0	2	2	0	27	0
	TOTAL	456	113	19	105	107	24	2	3	4	10	35	0
KINLOCH	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	0	0	0	0	0	0	0	1	0
	DAMAGE	2	0	0	1	1	0	0	0	0	0	0	0
	TOTAL	3	1	0	1	1	0	0	0	0	0	1	0
KIRKWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	211	30	16	68	56	16	5	2	10	12	27	0
	DAMAGE	711	108	20	182	204	67	0	3	0	0	70	1
	TOTAL	922	138	36	250	260	83	5	5	10	12	97	1
LADUE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	95	20	4	23	22	5	2	1	1	0	15	0
	DAMAGE	290	42	6	67	81	15	0	6	0	0	50	0
	TOTAL	385	62	10	90	103	20	2	7	1	0	65	0
LAKESHIRE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	1	1	0	0	0	0	0	0	0
	DAMAGE	3	2	0	0	1	0	0	0	0	0	1	0
	TOTAL	5	3	0	1	2	0	0	0	0	0	1	0
MANCHESTER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	67	8	0	21	26	3	1	0	3	1	1	0
	DAMAGE	266	31	7	84	61	9	0	1	0	0	15	0
	TOTAL	333	39	7	105	87	12	1	1	3	1	16	0
MAPLEWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	89	19	10	24	18	4	2	0	6	7	11	0
	DAMAGE	204	24	12	27	44	19	0	4	1	1	31	0
	TOTAL	293	43	22	51	62	23	2	4	7	8	42	0
MARLBOROUGH	FATAL	1	0	0	0	1	0	0	0	0	1	0	0
	INJURY	34	3	0	7	14	1	0	0	2	0	1	0
	DAMAGE	85	9	1	17	30	2	0	0	0	0	3	0
	TOTAL	120	12	1	24	45	3	0	0	2	1	4	0
MARYLAND HEIGHTS	FATAL	2	1	0	0	0	0	0	0	0	1	1	0
	INJURY	336	83	25	85	74	24	4	0	3	6	36	0
	DAMAGE	922	161	30	196	153	78	0	3	0	0	95	0
	TOTAL	1260	245	55	281	227	102	4	3	3	7	132	0
MOLINE ACRES	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	28	8	1	7	9	0	0	0	1	3	0	0
	DAMAGE	33	7	1	10	12	0	0	0	0	0	2	0
	TOTAL	61	15	2	17	21	0	0	0	1	3	2	0
NORMANDY	FATAL	1	0	0	0	1	1	0	0	0	0	0	0
	INJURY	41	7	2	11	8	5	0	1	2	1	10	0
	DAMAGE	112	14	0	24	23	10	1	0	0	0	28	0
	TOTAL	154	21	2	35	32	16	1	1	2	1	38	0
NORTHWOODS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	27	4	5	6	9	4	1	1	3	1	3	0
	DAMAGE	65	5	5	14	17	1	0	0	1	0	4	0
	TOTAL	92	9	10	20	26	5	1	1	4	1	7	0

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRNK INV	DRVR		COMM VEH INV	MOTOR-CYCLE INV	SCHOOL		PEDES-TRIAN INV	FIXED OBJECT INV	HAZARD MATL INV	CONSTR ZONE INV
					UND 21 INV	55+ INV			BUS INV	BIKE INV				
OAKLAND	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	4	1	2	2	2	0	0	0	0	3	0	0
	DAMAGE	23	13	0	5	5	0	0	0	0	0	8	0	0
	TOTAL	34	17	1	7	7	2	0	0	0	0	11	0	0
OLIVETTE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	85	5	0	10	21	2	1	0	0	6	5	0	0
	DAMAGE	173	10	2	30	52	11	0	4	0	0	16	0	0
	TOTAL	238	15	2	40	73	13	1	4	0	6	21	0	0
OVERLAND	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	137	23	9	33	27	13	0	1	3	10	14	0	0
	DAMAGE	556	84	30	115	121	60	0	4	2	0	48	2	1
	TOTAL	693	107	39	148	148	73	0	5	5	10	62	2	1
PACIFIC / STL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	1	0	0	0	0	0	0	0	0
	DAMAGE	1	0	1	0	0	0	0	0	0	0	1	0	0
	TOTAL	2	0	1	0	1	0	0	0	0	0	1	0	0
PAGEDALE	FATAL	2	0	0	0	2	0	0	0	0	0	2	0	0
	INJURY	29	5	3	7	4	1	0	1	2	2	6	0	0
	DAMAGE	76	9	1	23	17	3	0	0	0	0	10	0	0
	TOTAL	107	14	4	30	23	4	0	1	2	2	18	0	0
PASADENA HILLS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	2	0	0	0	1	1	0	1	0	0	1	0	0
	TOTAL	2	0	0	0	1	1	0	1	0	0	1	0	0
PINE LAWN	FATAL	1	1	0	1	0	0	0	0	0	0	0	0	0
	INJURY	59	16	4	13	14	2	1	0	3	7	10	1	1
	DAMAGE	149	26	2	28	27	9	0	5	1	0	17	0	2
	TOTAL	209	43	6	42	41	11	1	5	4	7	27	1	3
RICHMOND HEIGHTS	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	336	95	11	60	74	26	4	2	3	10	31	0	1
	DAMAGE	808	186	16	166	167	54	1	7	0	0	83	1	4
	TOTAL	1145	281	27	226	242	80	5	9	3	10	114	1	5
RIVERVIEW	FATAL	1	0	0	0	0	0	0	0	0	1	0	0	0
	INJURY	7	3	1	2	1	0	0	0	1	2	1	0	0
	DAMAGE	23	3	0	4	3	4	0	1	1	0	5	0	0
	TOTAL	31	6	1	6	4	4	0	1	2	3	6	0	0
ROCK HILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	22	3	1	4	8	1	0	0	2	1	0	0	0
	DAMAGE	93	20	3	28	27	6	2	1	0	0	7	0	0
	TOTAL	115	23	4	32	35	7	2	1	2	1	7	0	0
ST. ANN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	127	41	14	36	39	8	0	2	6	7	16	0	0
	DAMAGE	281	33	18	60	88	9	0	1	0	1	21	0	2
	TOTAL	408	74	32	96	127	17	0	3	6	8	37	0	2
ST. GEORGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	0	0	0	0	0	0	0	1	0	0
	DAMAGE	4	0	0	2	3	0	0	0	0	0	0	0	0
	TOTAL	5	1	0	2	3	0	0	0	0	0	1	0	0
ST. JOHN	FATAL	1	0	1	0	0	0	0	0	0	1	0	0	0
	INJURY	45	4	9	9	15	4	1	1	1	3	5	1	0
	DAMAGE	160	12	10	27	34	11	0	1	0	0	15	0	0
	TOTAL	206	16	20	36	49	15	1	2	1	4	20	1	0
SHREWSBURY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	59	6	2	8	28	4	1	2	1	1	2	0	0
	DAMAGE	160	23	7	22	39	12	0	0	0	0	20	1	2
	TOTAL	219	29	9	30	67	16	1	2	1	1	22	1	2
SUNSET HILLS	FATAL	1	0	0	1	0	0	0	0	0	0	0	0	0
	INJURY	192	44	10	53	51	18	3	1	0	2	27	0	11
	DAMAGE	390	62	9	91	75	30	0	0	0	0	41	2	19
	TOTAL	583	106	19	145	126	48	3	1	0	2	68	2	30
TOWN AND COUNTRY	FATAL	1	0	0	1	0	0	0	0	0	0	1	0	0
	INJURY	236	47	17	56	58	11	1	0	1	1	42	1	1
	DAMAGE	447	76	16	98	100	28	0	7	1	0	66	0	0
	TOTAL	684	123	33	155	158	39	1	7	2	1	109	1	1

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR	
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV	ZONE INV
UNIVERSITY CITY	FATAL	3	1	0	1	1	0	0	0	0	1	1	0	0
	INJURY	228	50	17	44	64	15	3	1	9	23	20	0	0
	DAMAGE	630	109	23	105	140	41	0	17	3	1	81	0	0
	TOTAL	861	160	40	150	205	56	3	18	12	25	102	0	0
VALLEY PARK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	37	5	2	15	4	3	2	0	1	0	12	0	0
	DAMAGE	106	11	2	23	19	2	0	0	0	0	12	0	0
	TOTAL	143	16	4	38	23	5	2	0	1	0	24	0	0
VELDA VILLAGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	3	1	3	1	0	0	0	0	1	3	0	0
	DAMAGE	37	16	1	5	6	2	0	1	0	0	9	0	0
	TOTAL	48	19	2	8	7	2	0	1	0	1	12	0	0
VELDA VILLAGE HILLS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	2	0	2	0	0	0	0	0	0	0	0	0
	DAMAGE	10	1	0	0	0	0	0	0	0	0	1	0	0
	TOTAL	13	3	0	2	0	0	0	0	0	0	1	0	0
VINITA PARK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	16	0	0	3	2	0	0	0	1	0	2	0	0
	DAMAGE	49	9	2	6	9	5	0	1	0	0	12	0	0
	TOTAL	65	9	2	9	11	5	0	1	1	0	14	0	0
WARSON WOODS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	1	0	0	0	0	0	0	0	0
	DAMAGE	7	0	1	1	1	0	0	0	0	0	2	0	0
	TOTAL	8	0	1	1	2	0	0	0	0	0	2	0	0
WEBSTER GROVES	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	160	39	6	41	37	9	4	4	9	10	31	0	1
	DAMAGE	453	77	15	109	118	28	2	5	1	0	63	0	5
	TOTAL	613	116	21	150	155	37	6	9	10	10	94	0	6
WELLSTON	FATAL	1	0	0	0	0	0	0	0	0	1	0	0	0
	INJURY	40	8	4	3	8	4	0	1	1	7	6	0	0
	DAMAGE	131	23	1	22	25	10	1	0	0	0	19	0	0
	TOTAL	172	31	5	25	33	14	1	1	1	8	25	0	0
WINCHESTER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	0	1	5	4	0	0	0	1	0	0	0	0
	DAMAGE	44	4	2	17	16	0	0	0	0	0	1	0	0
	TOTAL	55	4	3	22	20	0	0	0	1	0	1	0	0
WOODSON TERRACE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	24	5	2	9	7	0	0	1	0	1	3	0	0
	DAMAGE	73	7	5	9	22	0	0	0	0	0	8	0	0
	TOTAL	97	12	7	18	29	0	0	1	0	1	11	0	0
POP UNDER 1000	FATAL	35	13	9	6	6	4	2	0	0	7	11	1	1
	INJURY	2937	689	184	937	699	168	52	20	53	97	436	2	56
	DAMAGE	7296	1407	240	2043	1598	554	16	86	5	2	981	2	168
	TOTAL	10268	2109	433	2986	2303	726	70	106	58	106	1427	5	225
STE. GENEVIEVE CO	FATAL	4	1	1	2	0	0	0	0	0	0	0	0	0
	INJURY	138	21	18	44	24	10	3	0	3	2	55	0	1
	DAMAGE	238	23	17	55	47	30	1	3	0	0	50	1	0
	TOTAL	380	45	36	101	71	40	4	3	3	2	105	1	1
STE. GENEVIEVE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	21	2	2	9	3	0	0	0	2	0	5	0	1
	DAMAGE	82	1	5	21	24	7	1	2	0	0	7	0	0
	TOTAL	103	3	7	30	27	7	1	2	2	0	12	0	1
POP UNDER 1000	FATAL	4	1	1	2	0	0	0	0	0	0	0	0	0
	INJURY	117	19	16	35	21	10	3	0	1	2	50	0	0
	DAMAGE	156	22	12	34	23	23	0	1	0	0	43	1	0
	TOTAL	277	42	29	71	44	33	3	1	1	2	93	1	0
SALINE CO	FATAL	5	0	1	0	3	3	0	0	0	0	1	0	0
	INJURY	184	40	19	71	39	22	4	1	3	5	70	0	2
	DAMAGE	519	77	21	142	123	83	3	3	0	0	97	0	4
	TOTAL	708	117	41	213	165	108	7	4	3	5	168	0	6
MARSHALL	FATAL	1	0	1	0	1	0	0	0	0	0	0	0	0
	INJURY	70	6	4	33	19	4	1	0	2	4	7	0	0
	DAMAGE	244	20	8	76	66	25	3	2	0	0	21	0	0
	TOTAL	315	26	13	109	86	29	4	2	2	4	28	0	0

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY ¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
SLATER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	27	3	2	6	15	1	0	0	0	3	0	0
	TOTAL	28	3	2	6	15	1	0	0	0	3	0	0
SWEET SPRINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	1	0	0	0	0	0	0	0	0	0
	DAMAGE	20	2	0	6	5	4	0	1	0	4	0	0
	TOTAL	21	3	1	6	5	4	0	1	0	4	0	0
POP UNDER 1000	FATAL	4	0	0	0	2	3	0	0	0	1	0	0
	INJURY	112	33	14	38	20	18	3	1	1	63	0	2
	DAMAGE	228	52	11	54	37	53	0	0	0	69	0	4
	TOTAL	344	85	25	92	59	74	3	1	1	133	0	6
SCHUYLER CO	FATAL	1	0	0	1	0	0	0	0	0	0	0	0
	INJURY	23	7	2	8	8	2	1	0	0	8	0	0
	DAMAGE	23	5	2	4	7	5	0	0	0	7	0	0
	TOTAL	47	12	4	13	15	7	1	0	0	15	0	0
POP UNDER 1000	FATAL	1	0	0	1	0	0	0	0	0	0	0	0
	INJURY	23	7	2	8	8	2	1	0	0	8	0	0
	DAMAGE	23	5	2	4	7	5	0	0	0	7	0	0
	TOTAL	47	12	4	13	15	7	1	0	0	15	0	0
SCOTLAND CO	FATAL	4	2	2	2	1	1	0	0	0	1	0	0
	INJURY	43	8	1	19	15	7	0	1	0	14	0	0
	DAMAGE	72	10	2	16	28	3	0	1	0	5	0	0
	TOTAL	119	20	5	37	44	11	0	2	0	20	0	0
MEMPHIS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	19	4	0	7	8	2	0	0	1	3	0	0
	DAMAGE	47	6	0	10	24	1	0	1	0	1	0	0
	TOTAL	66	10	0	17	32	3	0	1	0	4	0	0
POP UNDER 1000	FATAL	4	2	2	2	1	1	0	0	0	1	0	0
	INJURY	24	4	1	12	7	5	0	1	0	11	0	0
	DAMAGE	25	4	2	6	4	2	0	0	0	4	0	0
	TOTAL	53	10	5	20	12	8	0	1	0	16	0	0
SCOTT CO	FATAL	4	1	0	0	3	0	0	0	0	3	0	0
	INJURY	294	74	32	97	77	19	6	0	6	67	2	0
	DAMAGE	842	115	32	250	244	76	3	6	1	100	1	2
	TOTAL	1140	190	64	347	324	95	9	6	7	170	3	2
CHAFFEE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	0	0	5	4	0	1	0	0	2	0	0
	DAMAGE	45	1	0	16	19	2	0	0	0	3	0	0
	TOTAL	56	1	0	21	23	2	1	0	0	5	0	0
MINER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	27	1	2	8	9	1	0	0	0	2	0	0
	DAMAGE	54	5	2	16	16	5	0	0	0	2	0	0
	TOTAL	81	6	4	24	25	6	0	0	0	4	0	0
ORAN	FATAL	1	0	0	0	1	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	2	1	1	0	0	0	0	0	0	0	0	0
	TOTAL	3	1	1	0	1	0	0	0	0	0	0	0
SCOTT CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	18	3	0	5	8	1	0	0	1	3	0	0
	DAMAGE	90	11	4	25	27	14	0	1	0	11	0	0
	TOTAL	108	14	4	30	35	15	0	1	0	14	0	0
SIKESTON / SCO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	133	27	15	39	37	4	3	0	6	5	0	0
	DAMAGE	454	60	13	143	136	23	2	5	1	36	0	2
	TOTAL	587	87	28	182	173	27	5	5	7	46	0	2
POP UNDER 1000	FATAL	3	1	0	0	2	0	0	0	0	3	0	0
	INJURY	105	43	15	40	19	13	2	0	0	48	2	0
	DAMAGE	197	37	12	50	46	32	1	0	0	48	1	0
	TOTAL	305	81	27	90	67	45	3	0	0	99	3	0
SHANNON CO	FATAL	6	2	0	2	1	0	0	0	1	1	0	0
	INJURY	38	14	7	11	7	6	0	0	2	15	0	0
	DAMAGE	57	8	5	13	15	11	1	0	0	8	0	0
	TOTAL	101	24	12	26	23	17	1	0	0	24	0	0

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
WINONA	FATAL	1	0	0	0	1	0	0	0	0	0	0	0
	INJURY	5	0	0	0	3	0	0	0	0	0	0	0
	DAMAGE	15	3	2	5	3	0	0	0	0	1	0	0
	TOTAL	21	3	2	5	7	0	0	0	0	1	0	0
POP UNDER 1000	FATAL	5	2	0	2	0	0	0	0	1	1	0	0
	INJURY	33	14	7	11	4	6	0	0	2	15	0	0
	DAMAGE	42	5	3	8	12	11	1	0	0	7	0	0
	TOTAL	80	21	10	21	16	17	1	0	3	23	0	0
SHELBY CO	FATAL	3	2	0	0	1	2	0	0	0	0	2	0
	INJURY	20	8	5	8	4	2	0	0	1	7	0	0
	DAMAGE	64	13	2	23	20	5	0	0	0	10	0	0
	TOTAL	87	23	7	31	25	9	0	0	1	17	2	0
CLARENCE	FATAL	1	0	0	0	1	0	0	0	0	0	0	0
	INJURY	1	0	0	0	1	0	0	0	0	0	0	0
	DAMAGE	8	2	1	4	3	0	0	0	0	0	0	0
	TOTAL	10	2	1	4	5	0	0	0	0	0	0	0
SHELBINA	FATAL	1	1	0	0	0	1	0	0	0	0	1	0
	INJURY	6	1	2	3	1	1	0	0	1	1	0	0
	DAMAGE	10	2	0	5	4	1	0	0	0	1	0	0
	TOTAL	17	4	2	8	5	3	0	0	1	2	1	0
POP UNDER 1000	FATAL	1	1	0	0	0	1	0	0	0	0	1	0
	INJURY	13	7	3	5	2	1	0	0	0	6	0	0
	DAMAGE	46	9	1	14	13	4	0	0	0	9	0	0
	TOTAL	60	17	4	19	15	6	0	0	0	15	1	0
STODDARD CO	FATAL	6	3	1	3	2	0	0	0	0	0	0	0
	INJURY	143	26	20	39	38	9	4	0	6	4	35	0
	DAMAGE	465	56	27	155	157	47	0	5	0	0	65	1
	TOTAL	614	85	48	197	197	56	4	5	6	4	100	1
ADVANCE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	2	2	0	0	0	0	0	0	0
	DAMAGE	12	1	1	4	5	0	0	0	0	0	0	0
	TOTAL	15	1	1	6	7	0	0	0	0	0	0	0
BERNIE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	1	0	2	2	0	0	0	1	0	0	0
	DAMAGE	14	2	0	4	7	0	0	0	0	0	0	0
	TOTAL	19	3	0	6	9	0	0	0	1	0	0	0
BLOOMFIELD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	0	0	1	0	0	0	1	0
	DAMAGE	19	1	1	8	7	0	0	0	0	0	0	1
	TOTAL	21	1	1	8	7	0	1	0	0	0	1	1
DEXTER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	43	4	2	18	15	1	0	0	4	4	3	0
	DAMAGE	178	16	5	68	71	6	0	2	0	0	8	0
	TOTAL	221	20	7	86	86	7	0	2	4	4	11	0
POP UNDER 1000	FATAL	6	3	1	3	2	0	0	0	0	0	0	0
	INJURY	90	21	18	17	19	8	3	0	1	0	31	0
	DAMAGE	242	36	20	71	67	41	0	3	0	0	57	1
	TOTAL	338	60	39	91	88	49	3	3	1	0	88	1
STONE CO	FATAL	6	1	2	1	3	0	1	0	0	6	0	0
	INJURY	282	105	52	78	66	22	17	2	1	6	102	1
	DAMAGE	374	103	29	103	101	45	2	1	0	0	92	1
	TOTAL	662	209	83	182	170	67	20	3	1	6	200	2
CRANE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	1	0	0	0	0	2	0	0
	DAMAGE	12	1	0	5	2	0	1	0	0	2	0	0
	TOTAL	14	1	0	5	3	0	1	0	0	4	0	0
KIMBERLING CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	5	3	2	3	0	1	0	1	0	3	0
	DAMAGE	27	6	2	6	11	0	0	1	0	0	10	0
	TOTAL	36	11	5	8	14	0	1	1	1	0	13	0
POP UNDER 1000	FATAL	6	1	2	1	3	0	1	0	0	6	0	0
	INJURY	271	100	49	76	62	22	16	2	0	6	97	1
	DAMAGE	335	96	27	92	88	45	1	0	0	0	80	1
	TOTAL	612	197	78	169	153	67	18	2	0	6	183	2

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY ¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR	
					UND21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV	ZONE INV
SULLIVAN CO	FATAL	2	0	0	0	1	1	0	0	0	0	1	0	0
	INJURY	48	20	7	12	9	6	1	1	0	0	30	1	1
	DAMAGE	102	13	4	32	20	14	0	0	0	0	28	0	3
	TOTAL	152	33	11	44	30	21	1	1	0	0	59	1	4
MILAN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	0	0	0	0	0	0	0	1	0
	DAMAGE	33	0	2	14	9	1	0	0	0	0	2	0	0
	TOTAL	35	0	2	14	9	1	0	0	0	0	2	1	0
POP UNDER 1000	FATAL	2	0	0	0	1	1	0	0	0	0	1	0	0
	INJURY	46	20	7	12	9	6	1	1	0	0	30	0	1
	DAMAGE	69	13	2	18	11	13	0	0	0	0	26	0	3
	TOTAL	117	33	9	30	21	20	1	1	0	0	57	0	4
TANEY CO	FATAL	12	3	2	6	3	3	0	0	0	1	0	0	2
	INJURY	445	176	67	121	126	39	12	2	1	2	133	4	10
	DAMAGE	1053	228	57	233	346	127	1	6	2	1	170	2	22
	TOTAL	1510	407	126	360	475	169	13	8	3	4	303	6	34
BRANSON	FATAL	2	0	0	2	1	0	0	0	0	1	0	0	0
	INJURY	150	29	4	43	57	11	4	1	1	2	16	0	2
	DAMAGE	502	57	13	110	201	50	1	4	2	0	34	0	2
	TOTAL	654	86	17	155	259	61	5	5	3	3	50	0	4
FORSYTH	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	12	1	0	3	5	0	0	0	0	0	1	0	0
	DAMAGE	43	5	2	5	20	2	0	0	0	0	4	0	0
	TOTAL	55	6	2	8	25	2	0	0	0	0	5	0	0
HOLLISTER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	28	6	4	4	6	1	1	0	0	0	4	0	0
	DAMAGE	75	9	1	17	25	5	0	0	0	0	6	0	0
	TOTAL	103	15	5	21	31	6	1	0	0	0	10	0	0
POP UNDER 1000	FATAL	10	3	2	4	2	3	0	0	0	0	0	0	2
	INJURY	255	140	59	71	58	27	7	1	0	0	112	4	8
	DAMAGE	433	157	41	101	100	70	0	2	0	1	126	2	20
	TOTAL	698	300	102	176	160	100	7	3	0	1	238	6	30
TEXAS CO	FATAL	6	1	1	0	4	2	0	0	0	0	0	0	0
	INJURY	137	38	23	44	34	15	3	1	2	4	48	0	0
	DAMAGE	251	40	18	93	70	35	0	1	0	0	51	1	1
	TOTAL	394	79	42	137	108	52	3	2	2	4	99	1	1
CABOOL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	23	2	0	4	8	2	0	0	0	1	1	0	0
	DAMAGE	26	2	0	13	9	3	0	0	0	0	2	0	0
	TOTAL	49	4	0	17	17	5	0	0	0	1	3	0	0
HOUSTON	FATAL	1	1	0	0	1	1	0	0	0	0	0	0	0
	INJURY	11	2	0	6	4	1	0	0	0	0	1	0	0
	DAMAGE	39	3	1	17	24	4	0	1	0	0	1	0	0
	TOTAL	51	6	1	23	29	6	0	1	0	0	2	0	0
LICKING	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	1	1	3	4	0	0	0	1	1	0	0	0
	DAMAGE	22	2	1	11	5	0	0	0	0	0	1	0	0
	TOTAL	30	3	2	14	9	0	0	0	1	1	1	0	0
POP UNDER 1000	FATAL	5	0	1	0	3	1	0	0	0	0	0	0	0
	INJURY	95	33	22	31	18	12	3	1	1	2	46	0	0
	DAMAGE	164	33	16	52	32	28	0	0	0	0	47	1	1
	TOTAL	264	66	39	83	53	41	3	1	1	2	93	1	1
VERNON CO	FATAL	4	1	1	2	3	0	0	0	0	0	1	0	0
	INJURY	194	29	27	66	59	24	1	1	5	8	34	1	3
	DAMAGE	432	47	20	136	130	50	1	4	3	0	68	0	10
	TOTAL	630	77	48	204	192	74	2	5	8	8	103	1	13
NEVADA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	112	9	10	44	37	8	0	1	5	6	9	0	0
	DAMAGE	292	16	10	99	101	27	0	4	3	0	35	0	3
	TOTAL	404	25	20	143	138	35	0	5	8	6	44	0	3
POP UNDER 1000	FATAL	4	1	1	2	3	0	0	0	0	0	1	0	0
	INJURY	82	20	17	22	22	16	1	0	0	2	25	1	3
	DAMAGE	140	31	10	37	29	23	1	0	0	0	33	0	7
	TOTAL	226	52	28	61	54	39	2	0	0	2	59	1	10

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	65 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
WARRENCO	FATAL	5	1	2	1	1	2	0	0	0	1	0	0
	INJURY	164	48	20	49	25	13	8	0	1	58	0	1
	DAMAGE	385	50	9	95	88	58	1	3	0	86	3	1
	TOTAL	554	99	31	145	114	73	9	3	1	145	3	2
WARRENTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	44	2	1	14	9	1	1	0	1	8	0	0
	DAMAGE	144	7	0	42	37	12	1	0	0	15	0	0
	TOTAL	188	9	1	56	46	13	2	0	1	23	0	0
WRIGHT CITY	FATAL	1	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	1	1	1	3	2	0	0	0	4	0	0
	DAMAGE	46	6	2	10	7	6	0	1	0	16	1	0
	TOTAL	56	7	3	11	10	8	0	1	0	20	1	0
POP UNDER 1000	FATAL	4	1	2	1	1	2	0	0	0	1	0	0
	INJURY	111	45	18	34	13	10	7	0	0	46	0	1
	DAMAGE	195	37	7	43	44	40	0	2	0	55	2	1
	TOTAL	310	83	27	78	58	52	7	2	0	102	2	2
WASHINGTONCO	FATAL	11	5	3	4	3	2	0	0	0	3	0	0
	INJURY	207	37	35	56	36	7	7	1	4	85	0	1
	DAMAGE	247	36	16	80	50	24	0	3	2	57	1	5
	TOTAL	465	78	54	140	89	33	7	4	6	145	1	6
POTOSI	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	43	3	2	15	9	1	2	0	3	3	0	0
	DAMAGE	98	12	3	38	22	6	0	1	2	6	0	1
	TOTAL	141	15	5	53	31	7	2	1	5	9	0	1
POP UNDER 1000	FATAL	11	5	3	4	3	2	0	0	0	3	0	0
	INJURY	164	34	33	41	27	6	5	1	1	82	0	1
	DAMAGE	149	24	13	42	28	18	0	2	0	51	1	4
	TOTAL	324	63	49	87	58	26	5	3	1	136	1	5
WAYNECO	FATAL	3	2	1	1	1	0	0	0	0	2	0	0
	INJURY	98	31	20	24	28	11	1	1	0	31	1	0
	DAMAGE	168	34	7	43	35	28	1	1	0	33	1	0
	TOTAL	269	67	28	68	64	39	2	2	0	66	2	0
PIEDMONT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	0	0	3	5	1	0	0	0	0	0	0
	DAMAGE	22	0	1	10	9	2	0	1	0	0	0	0
	TOTAL	31	0	1	13	14	3	0	1	0	0	0	0
POP UNDER 1000	FATAL	3	2	1	1	1	0	0	0	0	2	0	0
	INJURY	89	31	20	21	23	10	1	1	0	31	1	0
	DAMAGE	146	34	6	33	26	26	1	0	0	33	1	0
	TOTAL	238	67	27	55	50	36	2	1	0	66	2	0
WEBSTERCO	FATAL	7	3	4	1	1	0	1	0	0	2	0	0
	INJURY	169	49	20	54	41	25	2	1	0	57	0	2
	DAMAGE	318	59	20	108	77	45	0	5	0	74	0	0
	TOTAL	494	111	44	163	119	70	3	6	0	133	0	2
MARSHFIELD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	24	1	1	7	13	3	0	1	0	2	0	0
	DAMAGE	104	7	2	40	30	7	0	3	0	5	0	0
	TOTAL	128	8	3	47	43	10	0	4	0	7	0	0
SEYMOUR	FATAL	1	0	0	1	0	0	0	0	0	0	0	0
	INJURY	5	2	0	0	3	2	0	0	0	0	0	0
	DAMAGE	17	0	0	7	8	3	0	0	0	1	0	0
	TOTAL	23	2	0	8	11	5	0	0	0	1	0	0
POP UNDER 1000	FATAL	6	3	4	0	1	0	1	0	0	2	0	0
	INJURY	140	46	19	47	25	20	2	0	0	55	0	2
	DAMAGE	197	52	18	61	39	35	0	2	0	68	0	0
	TOTAL	343	101	41	108	65	55	3	2	0	125	0	2
WORTHCO	FATAL	1	1	0	1	0	0	0	0	0	1	0	0
	INJURY	7	3	2	0	2	0	0	0	0	4	0	0
	DAMAGE	22	2	2	8	8	3	0	0	0	8	0	0
	TOTAL	30	6	4	9	10	3	0	0	0	13	0	0
POP UNDER 1000	FATAL	1	1	0	1	0	0	0	0	0	1	0	0
	INJURY	7	3	2	0	2	0	0	0	0	4	0	0
	DAMAGE	22	2	2	8	8	3	0	0	0	8	0	0
	TOTAL	30	6	4	9	10	3	0	0	0	13	0	0

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR	
					UND21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV	ZONE INV
WRIGHT CO	FATAL	4	1	1	1	1	2	0	0	0	0	1	0	0
	INJURY	99	25	17	41	14	10	2	1	2	3	35	0	0
	DAMAGE	203	31	13	66	50	29	2	4	0	0	40	0	0
	TOTAL	306	57	31	108	65	41	4	5	2	3	76	0	0
MANSFIELD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	1	0	2	1	1	0	0	0	0	0	0	0
	DAMAGE	18	1	0	6	4	2	1	1	0	0	1	0	0
	TOTAL	21	2	0	8	5	3	1	1	0	0	1	0	0
MOUNTAINGROVE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	31	2	1	16	4	0	0	0	2	1	2	0	0
	DAMAGE	80	3	3	31	31	7	0	2	0	0	7	0	0
	TOTAL	111	5	4	47	35	7	0	2	2	1	9	0	0
POP UNDER 1000	FATAL	4	1	1	1	1	2	0	0	0	0	1	0	0
	INJURY	65	22	16	23	9	9	2	1	0	2	33	0	0
	DAMAGE	105	27	10	26	15	20	1	1	0	0	32	0	0
	TOTAL	174	50	27	53	25	31	3	2	0	2	66	0	0
ST LOUIS CITY	FATAL	59	23	12	6	16	9	1	0	1	20	13	0	0
	INJURY	5567	663	186	1053	1226	406	83	107	133	582	537	6	2
	DAMAGE	14386	1492	217	1832	2491	1439	25	350	20	31	1748	4	11
	TOTAL	20012	2178	415	2891	3733	1854	109	457	154	633	2298	10	13
STATETOTALS	FATAL	947	340	253	259	256	153	38	1	7	86	328	11	12
	INJURY	51031	10808	4609	15096	11696	3531	1028	385	913	1923	10074	93	355
	DAMAGE	128394	17622	4564	30973	28128	10919	279	1295	171	84	17777	110	884
	TOTAL	180372	28770	9426	46328	40080	14603	1345	1681	1091	2093	28179	214	1251
INCORPAREAS	FATAL	280	93	66	68	82	41	17	1	2	54	67	1	3
	INJURY	34571	5517	2295	9717	8547	1973	608	296	802	1673	3988	41	173
	DAMAGE	97149	11112	2903	22726	21866	6874	205	1060	160	78	10265	40	419
	TOTAL	132000	16722	5264	32511	30495	8888	830	1357	964	1805	14320	82	595

¹ All traffic crash activity occurring in a county and cities within a county is presented in this data display. A note of caution is warranted for cities whose jurisdictional boundaries cover more than one county. For City A whose boundaries fall in County A and County B - County A's portion of the data display will have County A City A's traffic crash activity presented. County B's portion of the data display will have County B City A's traffic crash activity presented. Those cities falling in more than one county can be identified by their name being followed by a slash (/) and the first three letters of the county name (e.g., Kansas City/JAC). Table 4.0.2 is presented to identify the total crash activity of these multi-county cities.

TABLE 4.0.1

**1994 MISSOURI TRAFFIC CRASHES
MULTI-COUNTY CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR		COMM VEH INV	MOTOR- CYCLE INV	SCHOOL			PEDES- TRIAN INV	FIXED OBJECT INV	HAZARD MATL INV	CONSTR ZONE INV
					UND21 INV	55 + INV			BUS INV	BIKE INV					
CAMERON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	26	0	1	9	6	1	0	0	1	3	0	0	0	0
	DAMAGE	112	6	5	42	28	12	0	2	1	0	13	0	1	1
	TOTAL	138	6	6	51	34	13	0	2	2	3	13	0	1	1
EXCELSIOR SPRINGS	FATAL	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	113	23	6	44	26	3	2	1	4	4	14	0	2	2
	DAMAGE	270	39	13	79	42	29	0	6	0	0	51	0	6	6
	TOTAL	384	62	19	123	68	32	2	7	4	4	65	0	8	8
FENTON	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0	0
	INJURY	67	15	7	12	8	11	1	1	0	0	23	0	1	1
	DAMAGE	291	43	6	52	54	58	0	0	0	0	42	0	0	1
	TOTAL	359	58	13	64	62	69	1	1	0	0	66	0	1	1
GLASGOW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	1	0	0	1	0	0	0	0	0	0	0
	DAMAGE	33	4	0	9	12	4	0	0	0	0	4	0	0	0
	TOTAL	34	4	0	10	12	4	1	0	0	0	4	0	0	0
HANNIBAL	FATAL	2	1	1	1	1	0	0	0	0	0	1	0	0	0
	INJURY	188	31	15	71	49	15	5	3	7	12	24	1	7	7
	DAMAGE	648	84	28	195	170	42	4	2	1	1	50	2	11	11
	TOTAL	838	116	44	267	220	57	9	5	8	13	75	3	18	18
JEFFERSON CITY	FATAL	1	1	1	0	0	0	0	0	0	0	1	0	0	0
	INJURY	468	53	37	163	121	24	7	1	8	8	46	2	2	2
	DAMAGE	1758	158	49	514	419	116	4	11	1	2	161	0	2	2
	TOTAL	2227	212	87	677	540	140	11	12	9	10	208	2	4	4
JOPLIN	FATAL	5	2	2	1	2	0	1	0	0	0	0	0	0	0
	INJURY	708	80	44	250	209	26	16	2	17	16	36	0	3	3
	DAMAGE	1520	138	51	475	455	109	7	9	3	1	89	0	6	6
	TOTAL	2233	220	97	726	666	135	24	11	20	17	125	0	9	9
KANSAS CITY	FATAL	47	15	12	9	10	5	4	1	1	10	12	0	1	1
	INJURY	7124	1218	515	1455	1558	397	98	70	97	351	888	3	19	19
	DAMAGE	20669	2312	626	2790	3480	1228	45	274	27	17	2240	4	34	34
	TOTAL	27840	3545	1153	4254	5048	1630	147	345	125	378	3140	7	54	54
LAWSON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	2	0	5	1	0	0	0	0	2	0	0	0	0
	DAMAGE	22	2	0	6	8	1	0	0	0	0	5	0	0	0
	TOTAL	27	4	0	11	9	1	0	0	0	2	5	0	0	0
LEE'S SUMMIT	FATAL	3	0	0	1	2	0	0	0	0	1	1	0	0	0
	INJURY	313	59	25	134	63	12	7	0	7	7	40	0	2	2
	DAMAGE	1002	134	29	334	201	72	1	4	0	0	129	1	5	5
	TOTAL	1318	193	54	469	266	84	8	4	7	8	170	1	7	7
MONETT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	53	5	3	16	21	3	1	0	5	2	5	1	0	0
	DAMAGE	167	16	8	48	51	14	0	3	0	0	25	0	0	0
	TOTAL	220	21	11	64	72	17	1	3	5	2	30	1	0	0
MONROE CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	12	1	0	3	1	1	0	0	0	1	2	0	0	0
	DAMAGE	42	3	1	14	19	4	1	1	0	0	3	0	0	0
	TOTAL	54	4	1	17	20	5	1	1	0	1	5	0	0	0
OSAGE BEACH	FATAL	1	0	0	1	0	0	0	0	0	0	0	0	0	0
	INJURY	80	14	11	30	29	9	3	0	0	1	10	0	3	3
	DAMAGE	274	21	9	77	82	26	3	1	0	0	28	2	21	21
	TOTAL	355	35	20	108	111	35	6	1	0	1	38	2	24	24
PACIFIC	FATAL	1	0	0	1	0	0	0	0	0	0	0	0	0	0
	INJURY	39	4	2	16	9	2	0	0	1	1	5	0	0	0
	DAMAGE	122	10	3	47	24	8	0	0	0	0	22	1	0	0
	TOTAL	162	14	5	64	33	10	0	0	1	1	27	1	0	0
ST. JOSEPH	FATAL	4	2	2	0	0	0	0	0	0	0	0	0	0	0
	INJURY	666	109	85	235	142	25	20	1	30	35	111	1	0	0
	DAMAGE	2035	196	119	546	566	138	9	9	3	2	186	0	7	7
	TOTAL	2705	307	206	781	708	163	29	10	33	37	297	1	7	7
SIKESTON	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0	0
	INJURY	142	29	16	42	38	4	3	0	6	5	13	0	0	0
	DAMAGE	510	65	13	154	155	25	2	5	1	0	39	0	2	2
	TOTAL	653	94	29	196	194	29	5	5	7	5	52	0	2	2

TABLE 4.0.2

**1994 MISSOURI TRAFFIC CRASHES
MULTI-COUNTY CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
SULLIVAN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	43	4	4	19	12	3	2	0	2	2	6	0
	DAMAGE	123	4	5	40	33	8	0	0	1	0	10	0
	TOTAL	166	8	9	59	45	11	2	0	3	2	16	0

¹ All traffic crash activity occurring in cities having jurisdictional boundaries in more than one county is presented in this data display. The total crash activity for each multi-county city is presented in this display.

TABLE 4.0.2

GLOSSARY

BICYCLE INVOLVED TRAFFIC CRASH: Any crash in which one or more bicycles were directly involved in the incident.

COMMERCIAL MOTOR VEHICLE INVOLVED TRAFFIC CRASH: Any crash in which one or more commercial motor vehicles were directly involved in the incident. Commercial motor vehicles include trucks having 6 or more tires, buses or school buses having occupant capacities of 16 or more, and vehicles displaying hazardous material placards.

CONSTRUCTION ZONE INVOLVED TRAFFIC CRASH: Any crash in which one or more of the traffic controls directly associated with the incident was a construction zone.

DEATH RATE: The number of deaths resulting from traffic crashes per 100 million miles of travel which occurred in the State annually. The formula is:

$$\frac{\text{Annual deaths} \times 100,000,000}{\text{Annual Vehicle Miles of Travel}}$$

DRINKING INVOLVED TRAFFIC CRASH: Any crash in which one or more drivers or pedestrians were drinking and, in the opinion of the investigating officer, their intoxicated condition contributed to the cause of the crash. There are strong indications that investigating officers under-report drinking involvement as a contributing factor in traffic crashes. As a result, this under-reporting should be taken into consideration when reviewing drinking involved data presented in this Compendium.

FATAL TRAFFIC CRASH: A crash in which one or more persons were killed as a result of the crash and their death(s) occurred within 30 days of the incident. From 1979 - 1987, a crash would be classified as a fatal if their death(s) occurred within 90 days of the incident. Prior to 1979, a crash would be classified as a fatal if their death(s) occurred within 12 months of the incident.

FIXED OBJECT TRAFFIC CRASH: Any traffic crash whose first harmful event involved a motor vehicle striking a fixed object. Crashes where a motor vehicle struck a fixed object as a result of a secondary event in a crash are **not** included in this definition of terms.

HAZARDOUS MATERIAL INVOLVED TRAFFIC CRASH: Any crash in which one or more vehicles involved in the incident were carrying hazardous materials.

INJURY RATE: The number of deaths and injuries resulting from traffic crashes per 100 million miles of travel which occurred in the State annually. The formula is:

$$\frac{\text{Annual deaths and injuries} \times 100,000,000}{\text{Annual Vehicle Miles of Travel}}$$

MOTORCYCLE INVOLVED TRAFFIC CRASH: Any crash in which one or more motorcycles were involved in the incident. Mopeds and all terrain vehicles (ATV's) are **not** considered motorcycles under this definition of terms.

OLDER DRIVER INVOLVED TRAFFIC CRASH: Any crash in which one or more drivers of motorized vehicles directly involved in the traffic crash were 55 years of age or older.

PEDESTRIAN INVOLVED TRAFFIC CRASH: Any crash in which one or more pedestrians were directly involved in the crash.

PERSONAL INJURY TRAFFIC CRASH: Any crash in which no person was killed but one or more persons were injured in the incident.

PROPERTY DAMAGE TRAFFIC CRASH: Any crash in which no person was killed or injured but property was damaged in the incident.

QUARTILE: The value that marks the boundary between two consecutive intervals in a frequency distribution of four intervals with each containing one quarter of the total population.

RATE OF CHANGE: The formula is:

$$\frac{\text{Value in Current Period} - \text{Value in Base Period}}{\text{Value in Base Period}} \times 100$$

RURAL AREA: Any community of less than 5,000 population or an unincorporated area of the State.

SCHOOL BUS INVOLVED TRAFFIC CRASH: Any crash in which one or more school buses were directly involved in the incident or where a school bus signal was associated with the traffic crash.

SPEED INVOLVED TRAFFIC CRASH: Any crash in which one or more drivers of motorized vehicles were exceeding the speed limit or driving too fast for conditions and, in the opinion of the investigating law enforcement officer, the driver error contributed to the cause of the crash.

TIME SERIES: Time series analysis was used in the Compendium to forecast future death and injury rates as well as fatal and personal injury traffic crash activity. In most instances, ten years of past data were used to make these projections.

The technique used in these projections was Exponential Smoothing (available through the SAS Econometrics and Time Series software package). Use of this technique took into consideration the limited number of data points in the time series, as well as whether or not the time series was best characterized as constant, linear, or nonlinear. In applying the smoothing technique, greater weight was given to more recent data values than to earlier data values when projecting future levels of activity.

URBAN AREA: Any community in the State having a population of 5,000 or more.

YOUNG DRIVER INVOLVED TRAFFIC CRASH: Any crash in which one or more drivers of motorized vehicles directly involved in the traffic crash were under the age of 21.