



2008 Missouri State  
Highway System

*Traffic*  
*Crash*  
*Statistics*

Missouri State Highway System  
Traffic Crash Statistics  
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*Chapter 1*

**2008 STATEWIDE TRAFFIC CRASH STATISTICS**

The following summary of traffic crashes represents only those crashes that have occurred on the State Highway System of Missouri in 2008. The information contained in this publication is a summary of the crash reports provided to the Missouri Department of Transportation. This publication is possible only through the conscientious reporting efforts of Missouri Law Enforcement Agencies.

These statistics are compiled pursuant to federal law, 23 USC Section 152.

### **Chapter 1-A : CRASHES BY TYPE**

This section divides total 2008 crashes by the type of impact severity. It further distinguishes the types by indicating whether they occurred “ON” or “OFF” the roadway.



**Missouri Department of Transportation  
Transportation Planning  
Crashes by Type for 2008**

Date: Aug 13, 2009  
Time: 3:01:26 PM

Crash Type	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
<b>ACCIDENT TYPE OFF ROAD</b>						
RAN OFF ROAD	6	8	80	155	232	318
RAN OFF ROAD-ANIMAL OTHER THAN DEER	0	0	0	0	2	2
RAN OFF ROAD-BICYCLIST OR PEDALCYCLIST	0	0	9	10	2	11
RAN OFF ROAD-DEER	0	0	2	2	17	19
RAN OFF ROAD-FIXED OBJECT	238	260	5,970	7,647	11,525	17,733
RAN OFF ROAD-MOTOR VEHICLE IN TRAFFIC	0	0	0	0	0	0
RAN OFF ROAD-OTHER OBJECT	1	1	23	26	71	95
RAN OFF ROAD-OTHER/NONCOLLISION	1	1	48	58	206	255
RAN OFF ROAD-OVERTURNED ON ROADWAY	0	0	0	0	0	0
RAN OFF ROAD-OVERTURNING	45	50	976	1,292	806	1,827
RAN OFF ROAD-PARKED MOTOR VEHICLE	2	2	103	158	405	510
RAN OFF ROAD-PEDESTRIAN	4	4	24	30	3	31
RAN OFF ROAD-RAILROAD TRAIN	0	0	0	0	0	0
<b>Subtotal</b>	<b>297</b>	<b>326</b>	<b>7,235</b>	<b>9,378</b>	<b>13,269</b>	<b>20,801</b>
<b>ACCIDENT TYPE ON ROAD</b>						
ANIMAL OTHER THAN DEER	1	1	91	115	577	669
BICYCLIST OR PEDALCYCLIST	1	1	93	98	18	112
CHAIN REACTION REAR END	10	14	1,609	2,881	2,309	3,928
DEER	1	1	240	284	2,761	3,002
FIXED OBJECT	4	4	135	180	334	473
MOTOR VEHICLE IN TRAFFIC	241	288	10,766	16,951	34,528	45,535
OTHER NON - COLLISION	2	2	100	119	412	514
OTHER OBJECT	2	2	71	84	782	855
OVERTURNED ON ROADWAY	17	22	476	620	216	709
OVERTURNING	0	0	0	0	0	0
PARKED MOTOR VEHICLE	2	2	16	25	68	86
PEDESTRIAN	33	34	178	207	16	227
RAILROAD TRAIN	0	0	0	0	6	6
RAN OFF ROAD-MOTOR VEHICLE ON OTHER ROAD	8	9	45	85	78	131
<b>Subtotal</b>	<b>322</b>	<b>380</b>	<b>13,820</b>	<b>21,649</b>	<b>42,105</b>	<b>56,247</b>

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**Missouri Department of Transportation**  
**Transportation Planning**  
**Crashes by Type for 2008**

Date: Aug 13, 2009  
Time: 3:01:26 PM

Crash Type	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
<b>Totals</b>	<b>619</b>	<b>706</b>	<b>21,055</b>	<b>31,027</b>	<b>55,374</b>	<b>77,048</b>

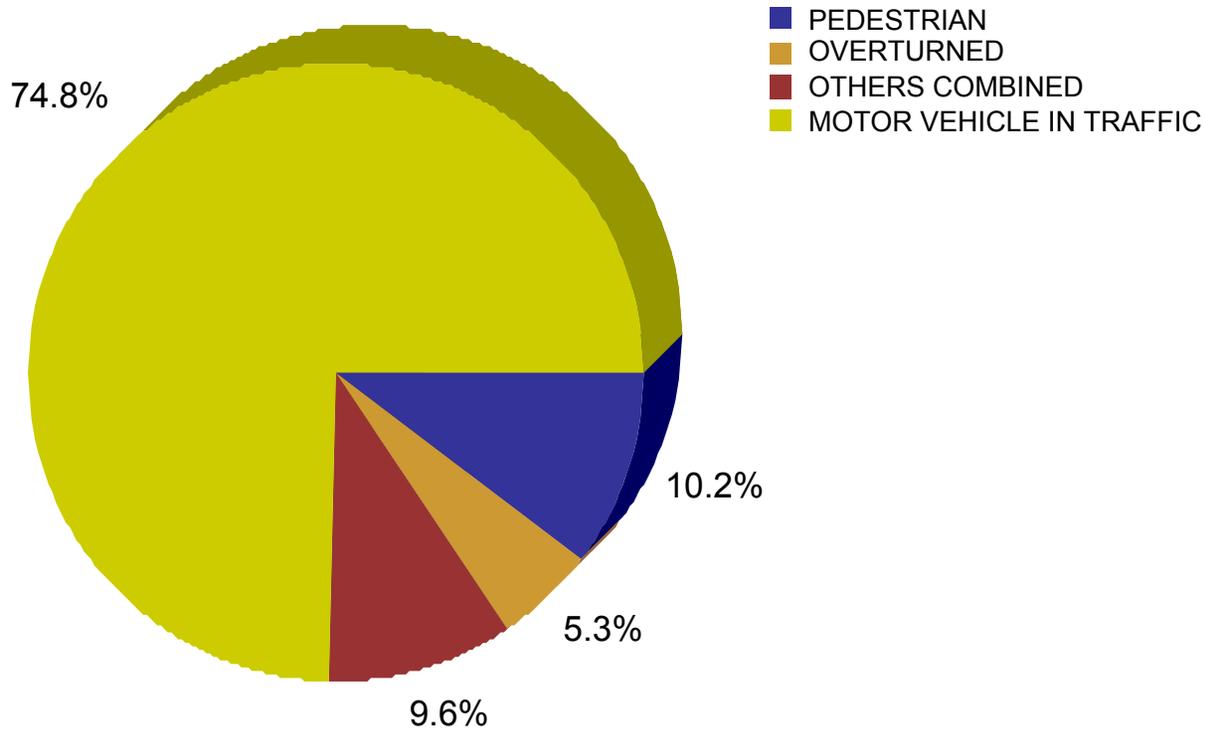
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Missouri Department of Transportation  
Transportation Planning  
*Crashes by Type for 2008*  
322 Fatal Crashes "ON" Roadway

Date: Aug 13, 2009  
Time: 3:09:41 PM

Crash Type	Fatal Crashes
PEDESTRIAN	33
OVERTURNED	17
OTHERS COMBINED	31
MOTOR VEHICLE IN TRAFFIC	241



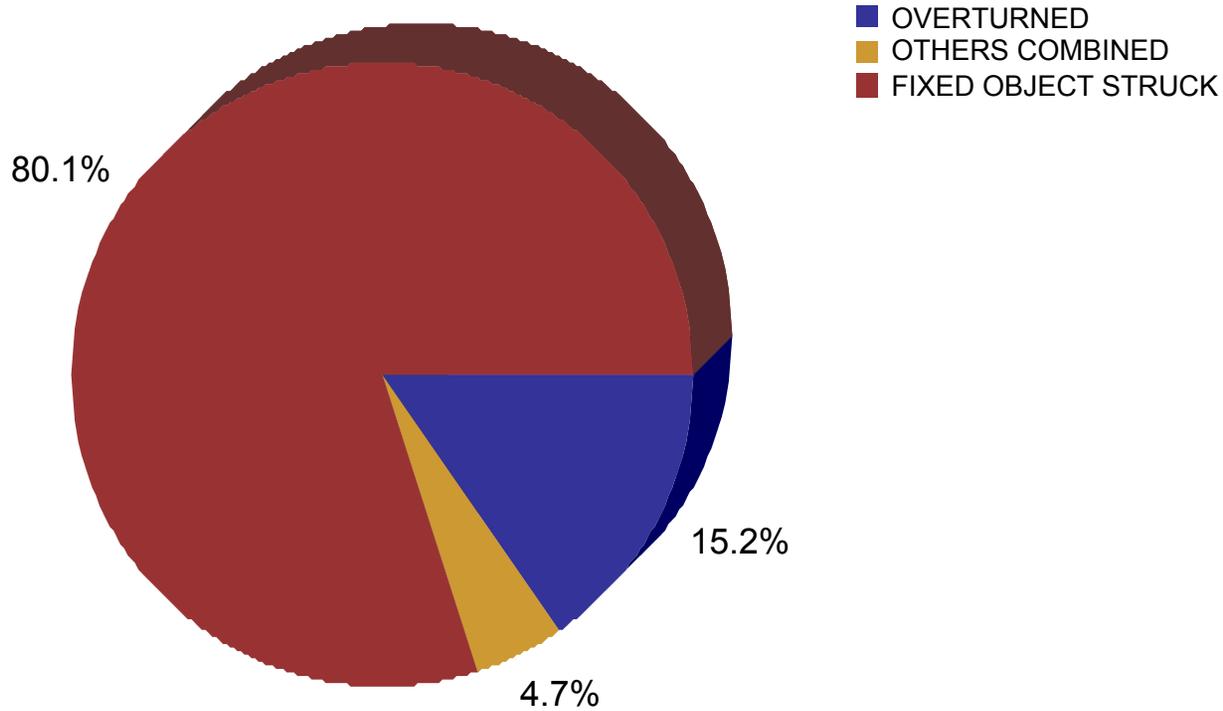
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Missouri Department of Transportation  
Transportation Planning  
*Crashes by Type for 2008*  
297 Fatal Crashes "OFF" Roadway

Date : Aug 13, 2009  
Time : 3:07:24 PM

Crash Type	Fatal Crashes
OVERTURNED	45
OTHERS COMBINED	14
FIXED OBJECT STRUCK	238

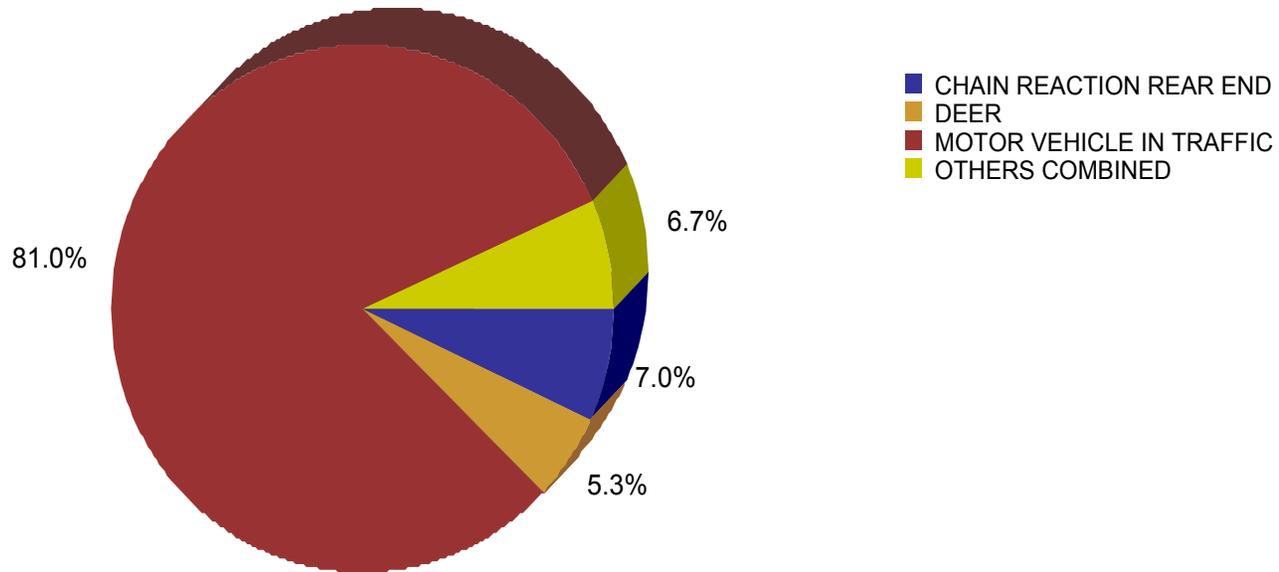




Missouri Department of Transportation  
Transportation Planning  
Crashes by Type for 2008  
56,247 Total Crashes "ON" Roadway

Date: Aug 13, 2009  
Time: 3:13:26 PM

Crash Type	Total Crashes
CHAIN REACTION REAR END	3,928
DEER	3,002
MOTOR VEHICLE IN TRAFFIC	45,535
OTHERS COMBINED	3,782

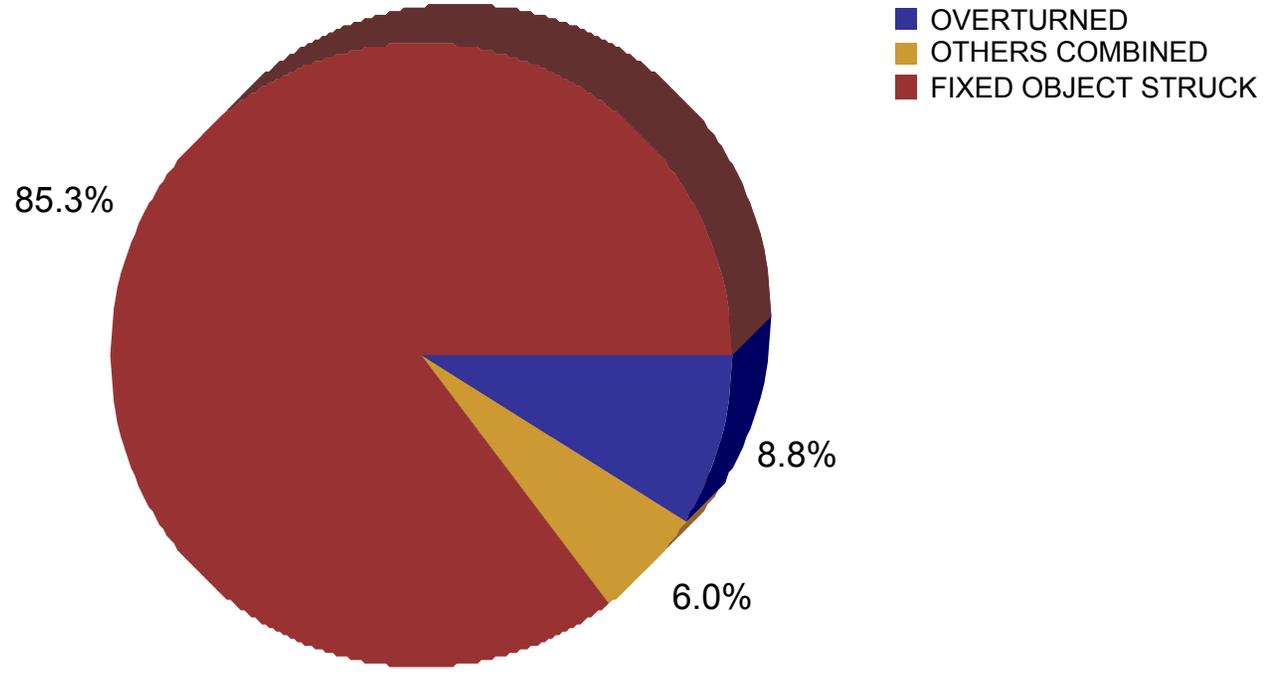




Missouri Department of Transportation  
Transportation Planning  
*Crashes by Type for 2008*  
20,801 Total Crashes "OFF" Roadway

Date: Aug 13, 2009  
Time: 3:11:31 PM

Crash Type	Total Crashes
OVERTURNED	1,827
OTHERS COMBINED	1,241
FIXED OBJECT STRUCK	17,733



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## **Chapter 1-B : CRASHES BY CONTRIBUTING CIRCUMSTANCES**

This section deals with the circumstances that contributed to crashes in 2008. The total number of reported crashes is somewhat less than the total number of contributing circumstances and the number of drivers because each crash could involve one or more drivers and one or more contributing circumstance.



**Missouri Department of Transportation  
Transportation Planning  
Crashes by Contributing Circumstance for 2008**

Date: Aug 13, 2009  
Time: 3:15:44 PM

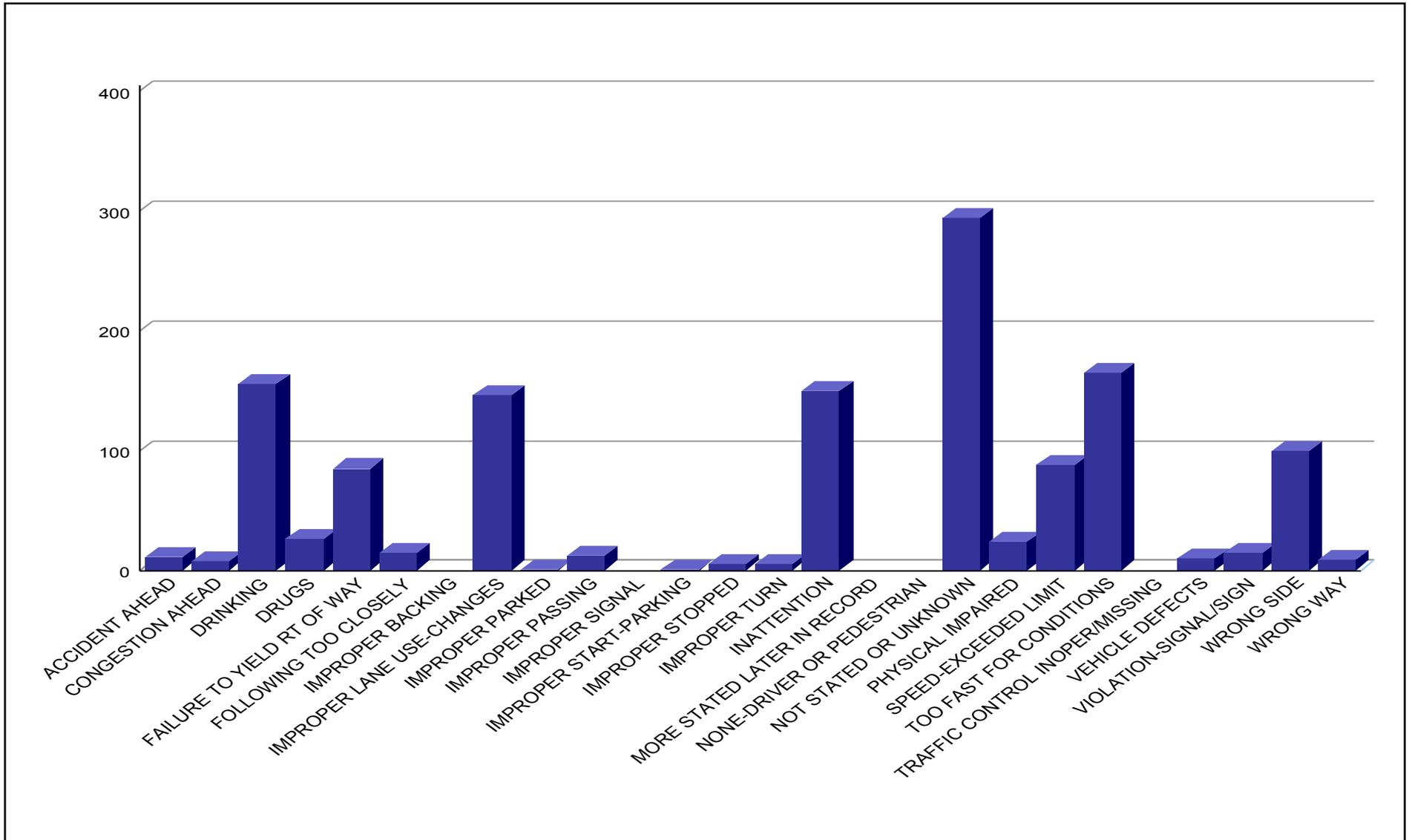
<b>Contributing Circumstance</b>	<b>Fatal Crashes</b>	<b>Injury Crashes</b>	<b>PDO Crashes</b>	<b>Total Crashes</b>
ACCIDENT AHEAD	11	395	1,057	1,463
CONGESTION AHEAD	8	2,140	6,251	8,399
DRINKING	156	1,686	1,717	3,559
DRUGS	26	231	252	509
FAILURE TO YIELD RT OF WAY	85	3,445	7,017	10,547
FOLLOWING TOO CLOSELY	15	3,305	10,530	13,850
IMPROPER BACKING	0	34	502	536
IMPROPER LANE USE-CHANGES	146	2,448	6,428	9,022
IMPROPER PARKED	1	10	28	39
IMPROPER PASSING	12	293	747	1,052
IMPROPER SIGNAL	0	44	120	164
IMPROPER START-PARKING	1	21	66	88
IMPROPER STOPPED	5	121	287	413
IMPROPER TURN	5	442	1,303	1,750
INATTENTION	150	5,843	14,086	20,079
MORE STATED LATER IN RECORD	0	0	0	0
NONE-DRIVER OR PEDESTRIAN	0	0	0	0
NOT STATED OR UNKNOWN	294	11,533	35,749	47,576
PHYSICAL IMPAIRED	24	861	858	1,743
SPEED-EXCEEDED LIMIT	88	608	613	1,309
TOO FAST FOR CONDITIONS	165	4,806	10,501	15,472
TRAFFIC CONTROL INOPER/MISSING	0	13	22	35
VEHICLE DEFECTS	10	577	1,874	2,461
VIOLATION-SIGNAL/SIGN	15	914	1,369	2,298
WRONG SIDE	100	628	646	1,374
WRONG WAY	9	37	42	88
<b>Totals</b>	<b>1,326</b>	<b>40,435</b>	<b>102,065</b>	<b>143,826</b>
IN ACCIDENTS	<b>619</b>	<b>21,055</b>	<b>55,374</b>	<b>77,048</b>
FOR DRIVERS	<b>960</b>	<b>36,875</b>	<b>96,376</b>	<b>134,211</b>

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Missouri Department of Transportation  
Transportation Planning  
*Fatal Crashes by Contributing Circumstances for 2008*  
960 Drivers Involved In  
619 Fatal Crashes

Date: Aug 13, 2009  
Time: 3:25:11 PM

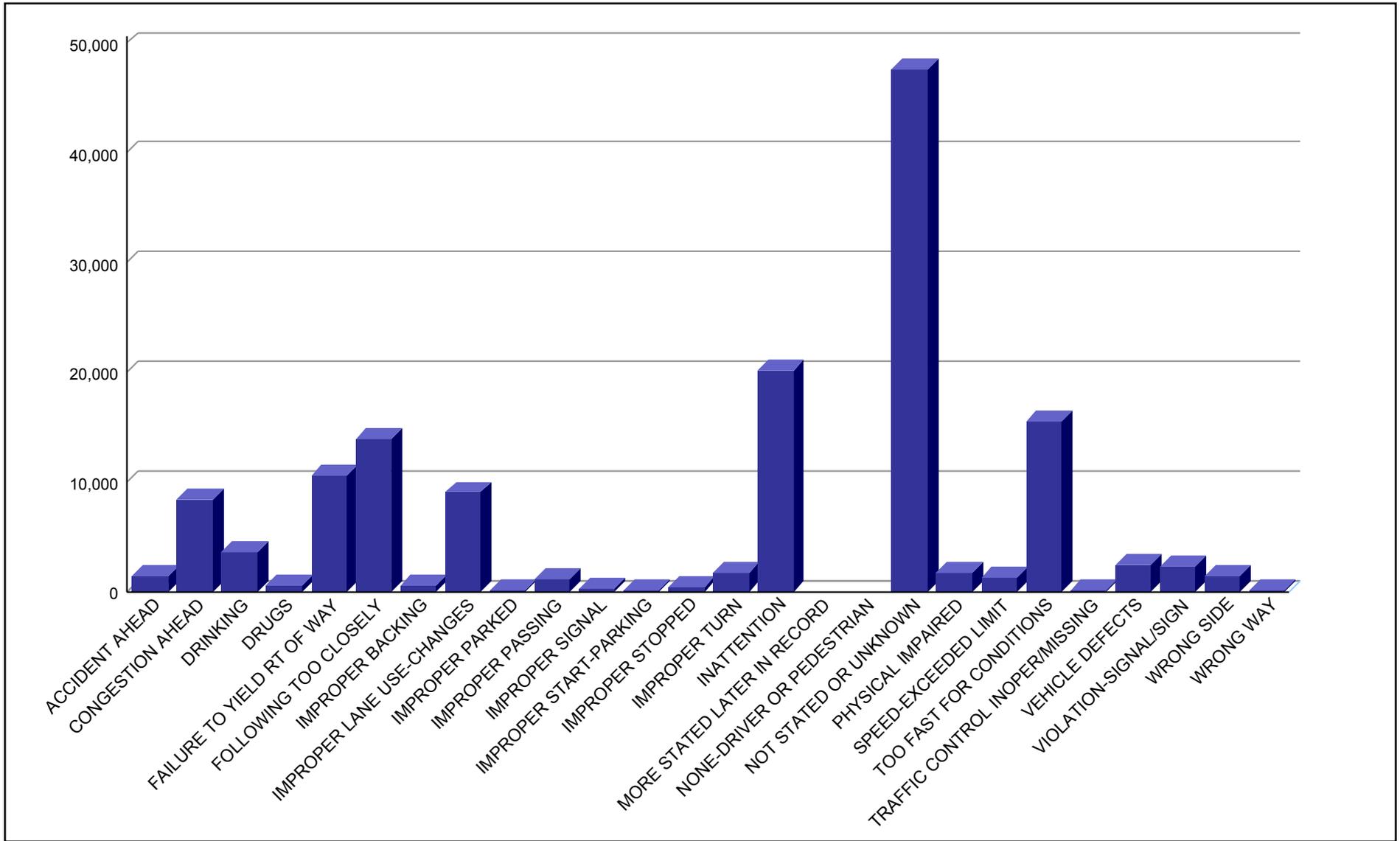


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Missouri Department of Transportation  
Transportation Planning  
Total Crashes by Contributing Circumstances for 2008  
134,211 Drivers Involved In  
77,048 Total Crashes

Date: Aug 13, 2009  
Time: 3:27:33 PM



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### **Chapter 1-C : CRASHES BY POPULATION GROUPING**

In this section, crashes are grouped according to the population characteristics of their location. Four (4) categories are used: rural, urban (population 5,000 to 49,999), urbanized (population 50,000 to 199,999) and metropolitan (population 200,000 or greater).

Currently, all metropolitan crashes have been included in the urbanized grouping.



Missouri Department of Transportation  
Transportation Planning  
Crashes by Population Grouping for 2008

Date: Aug 13, 2009  
Time: 3:29:28 PM

Population Grouping	Fatal Crashes	Injury Crashes	PDO Crashes	Total Crashes
METROPOLITAN	0	0	0	0
RURAL	437	8,511	17,787	26,735
UNDESIGNATED	0	0	0	0
URBAN	35	2,375	7,460	9,870
URBANIZED	147	10,169	30,127	40,443
<b>Totals</b>	<b>619</b>	<b>21,055</b>	<b>55,374</b>	<b>77,048</b>

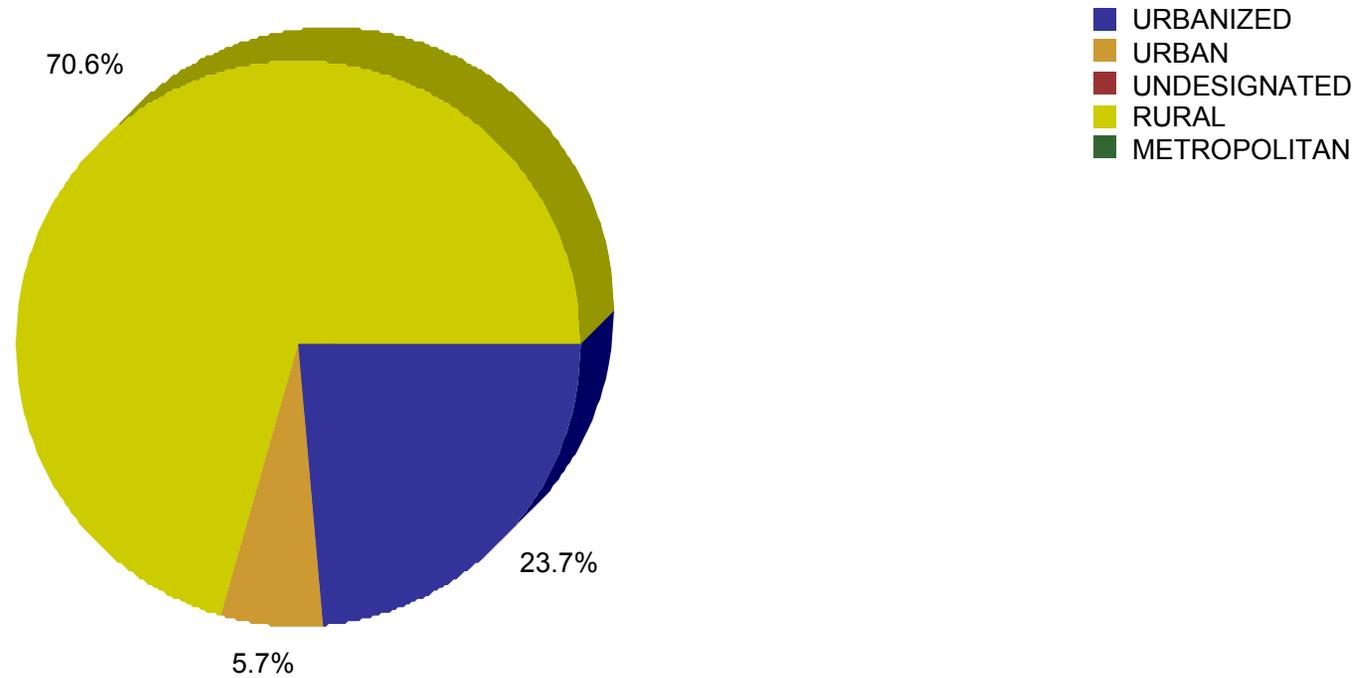
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Missouri Department of Transportation  
Transportation Planning  
Crashes by Population Grouping for 2008  
619 Fatal Crashes

Date: Aug 13, 2009  
Time: 3:32:15 PM

Population Grouping	Total Fatal Crashes
URBANIZED	147
URBAN	35
UNDESIGNATED	0
RURAL	437
METROPOLITAN	0



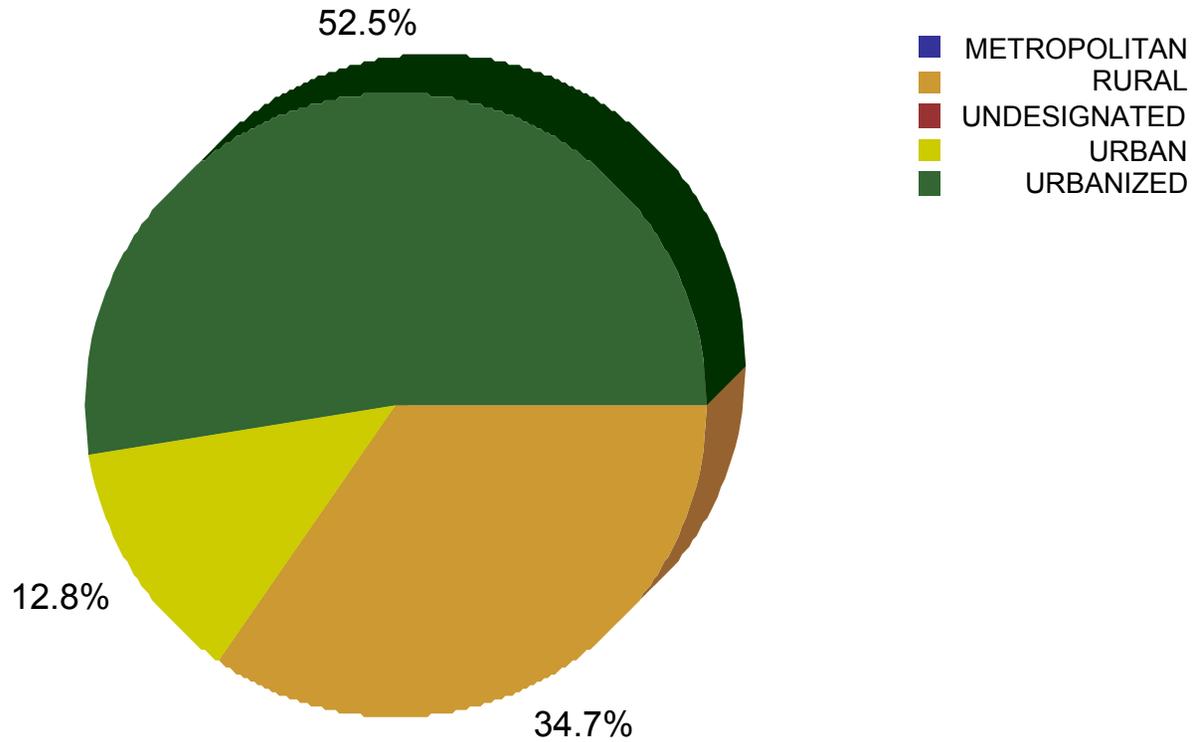
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Missouri Department of Transportation  
Transportation Planning  
Crashes by Population Grouping for Year 2008  
77,048 Total Crashes

Date: Aug 13, 2009  
Time: 3:34:14 PM

Population Grouping	Total Crashes
METROPOLITAN	0
RURAL	26,735
UNDESIGNATED	0
URBAN	9,870
URBANIZED	40,443



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### **Chapter 1-D : CRASHES BY ROUTE MARKING**

In 2008, 0.80% of all crashes occurring on the Missouri Highway System resulted in a fatality and 27.32% resulted in an injury. This section separates these total crashes according to the route marking of the highways on which they occurred. In 2008, state numbered routes had the highest percentage of total crashes and the highest percentage of fatal crashes.



Missouri Department of Transportation  
Transportation Planning  
Crashes by Route Marking for 2008

Time: 3:35:37 PM  
Date: Aug 13, 2009

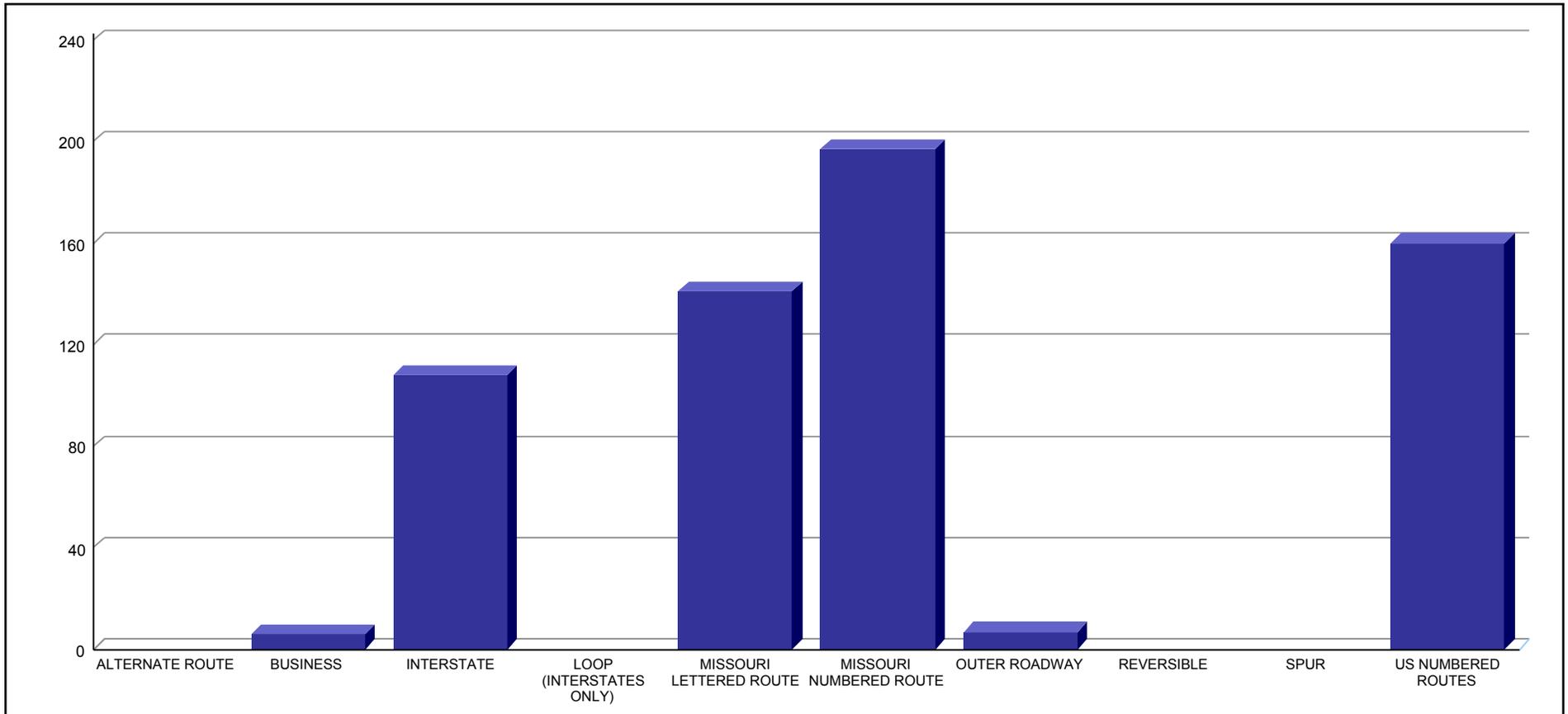
Route Marking Designation	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
ALTERNATE ROUTE	0	0	0	0	0	0
BUSINESS	6	6	614	908	1,745	2,365
INTERSTATE	108	118	4,292	6,129	14,732	19,132
LOOP (INTERSTATES ONLY)	0	0	204	315	502	706
MISSOURI LETTERED ROUTE	141	150	4,116	5,802	8,147	12,404
MISSOURI NUMBERED ROUTE	197	230	6,992	10,407	17,530	24,719
OUTER ROADWAY	7	8	366	554	1,196	1,569
REVERSIBLE	0	0	0	0	0	0
SPUR	0	0	24	27	78	102
US NUMBERED ROUTES	160	194	4,447	6,885	11,444	16,051
<b>Totals</b>	<b>619</b>	<b>706</b>	<b>21,055</b>	<b>31,027</b>	<b>55,374</b>	<b>77,048</b>

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Missouri Department of Transportation  
Transportation Planning  
Fatal Crashes by Route Marking for 2008  
619 Fatal Crashes

Date: Aug 13, 2009  
Time: 3:37:14 PM

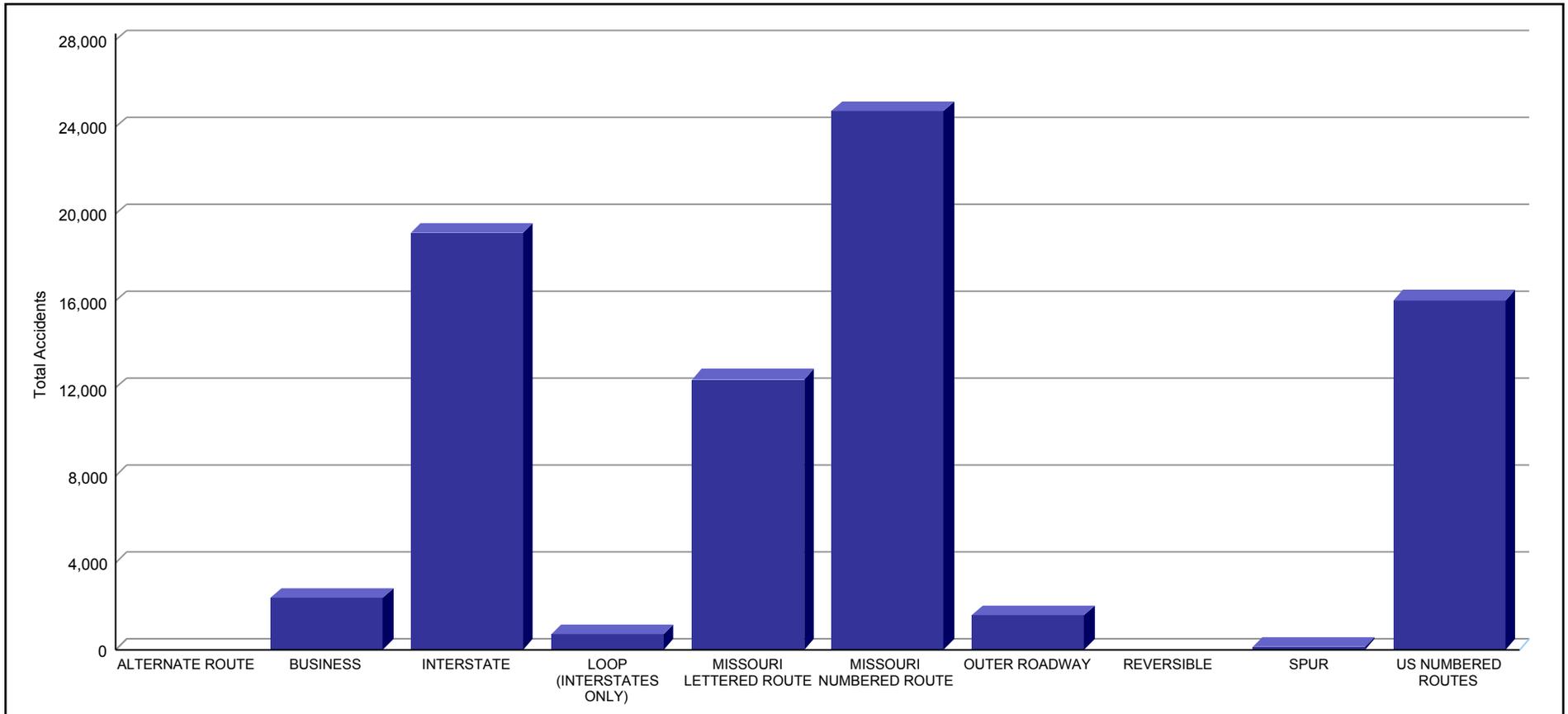


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Missouri Department of Transportation  
Transportation Planning  
Crashes by Route Marking for 2008  
77,048 Total Crashes

Date: Aug 13, 2009  
Time: 3:38:54 PM



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## ***Chapter 1- E: CRASHES BY CLASS***

Out of Control crashes accounted for 49.4% of the fatal crashes for 2008. These crashes represented 27.2% of the total crashes. Rear end crashes accounted for the majority of the total crashes at 33.3%



**Missouri Department of Transportation  
Transportation Planning  
Crashes by Class for 2008**

Date : Aug 13, 2009  
Time: 3:46:02 PM

Crash Class	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
ANIMAL OTHER THAN DEER	1	1	91	115	579	671
AVOIDING	1	1	228	314	331	560
BACKING	0	0	29	36	554	583
CHANGING LANE	1	1	289	428	1,335	1,625
CROSS MEDIAN	10	11	41	85	23	74
DEER	1	1	242	286	2,778	3,021
DUAL LEFTS COLLIDE	0	0	7	8	128	135
DUAL RIGHTS COLLIDE	0	0	5	6	64	69
FIXED OBJECT	4	4	135	180	334	473
HEAD ON	101	129	572	1,380	313	986
JACKKNIFE	0	0	1	1	1	2
LEFT TURN	10	12	1,410	2,309	2,437	3,857
LEFT TURN RIGHT ANGLE COLLISION	19	20	1,135	1,916	2,669	3,823
OTHER	6	6	282	338	2,415	2,703
OUT OF CONTROL	306	339	7,526	9,782	13,171	21,003
PARKING OR PARKED CAR	4	4	119	183	475	598
PASSING	10	11	504	740	4,387	4,901
PEDALCYCLE	1	1	102	108	20	123
PEDESTRIAN	37	38	202	237	19	258
REAR END	42	51	6,355	9,534	19,310	25,707
RIGHT ANGLE	52	61	1,292	2,276	1,968	3,312
RIGHT TURN	0	0	60	78	347	407
RIGHT TURN RIGHT ANGLE COLLISION	1	1	148	228	826	975
SIDESWIPE	8	9	227	368	765	1,000
TOWED UNIT DISCONNECTS	0	0	0	0	5	5
U - TURN	2	3	52	90	117	171
WRONG WAY ON DIVIDED HIGHWAY	2	2	1	1	3	6
<b>Totals</b>	<b>619</b>	<b>706</b>	<b>21,055</b>	<b>31,027</b>	<b>55,374</b>	<b>77,048</b>

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### **Chapter 1-F : CRASHES BY DRIVER'S AGE**

This section examines driver age in relation to crash involvement. The total number of drivers by age group consists of individuals holding a valid operators or chauffeurs license in the state of Missouri.



Missouri Department of Transportation  
Transportation Planning  
Crashes by Driver Age for 2008

Date: Aug 13, 2009  
Time: 3:58:27 PM

Driver Age Group	Fatal Crashes	Injury Crashes	PDO Crashes	Total Crashes
15 & Under	1	84	102	187
16-20	102	5,105	12,632	17,839
21-25	105	4,784	12,388	17,277
26-30	106	3,961	10,106	14,173
31-35	76	3,096	8,089	11,261
36-40	80	3,179	8,279	11,538
41-45	81	3,167	8,039	11,287
46-50	78	3,299	8,146	11,523
51-55	82	2,757	7,102	9,941
56-60	78	2,149	5,336	7,563
61-65	48	1,604	4,120	5,772
66-70	30	1,092	2,579	3,701
71 & Over	88	1,956	5,223	7,267
Not Stated or Unknown	5	642	4,235	4,882
<b>TOTALS</b>	<b>960</b>	<b>36,875</b>	<b>96,376</b>	<b>134,211</b>

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Missouri Department of Transportation  
Transportation Planning  
*Crash Statistics by Driver Age for Year 2008*

Date: Aug 13, 2009  
Time: 3:54:27 PM

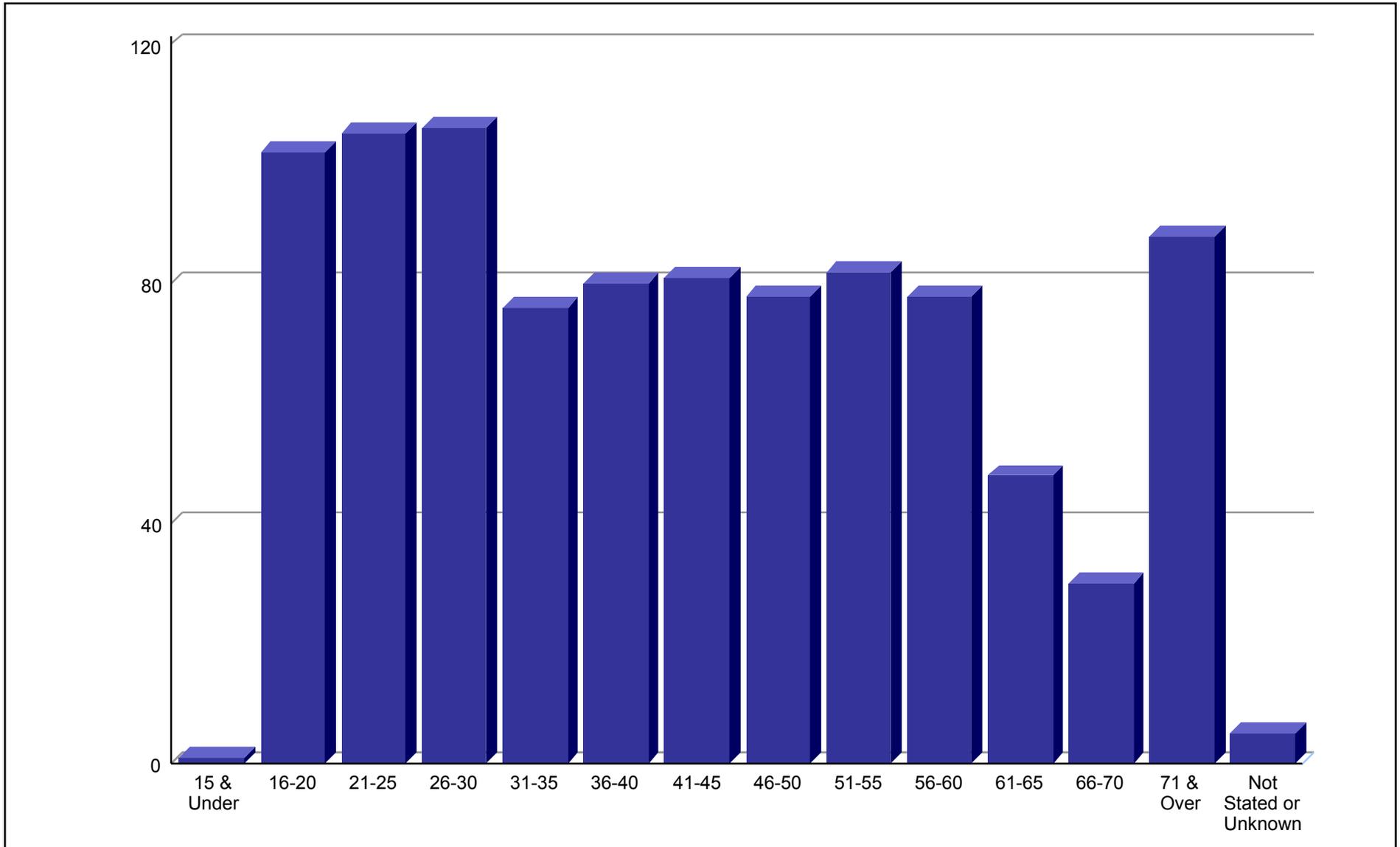
Driver Age Group	Driver Totals	% of Total Drivers	# Drivers In Crashes	% Drivers Involved in Crashes
16 - 20	295,421	6.46%	17,839	13.31%
21 - 25	390,558	8.54%	17,277	12.89%
26 - 30	419,853	9.19%	14,173	10.57%
31 - 35	379,279	8.30%	11,261	8.40%
36 - 40	403,275	8.82%	11,538	8.61%
41 - 45	411,741	9.01%	11,287	8.42%
46 - 50	459,026	10.04%	11,523	8.60%
51-55	425,513	9.31%	9,941	7.42%
56 - 60	361,420	7.91%	7,563	5.64%
61 - 65	296,167	6.48%	5,772	4.31%
66 - 70	227,661	4.98%	3,701	2.76%
71 & Over	499,110	10.92%	7,267	5.42%
Not Stated or Unknown	1,911	0.04%	4,882	3.64%

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Missouri Department of Transportation  
Transportation Planning  
*Fatal Crashes by Drivers Age for 2008*  
960 Drivers Involved In  
619 Fatal Crashes

Date: Aug 13, 2009  
Time: 3:59:49 PM

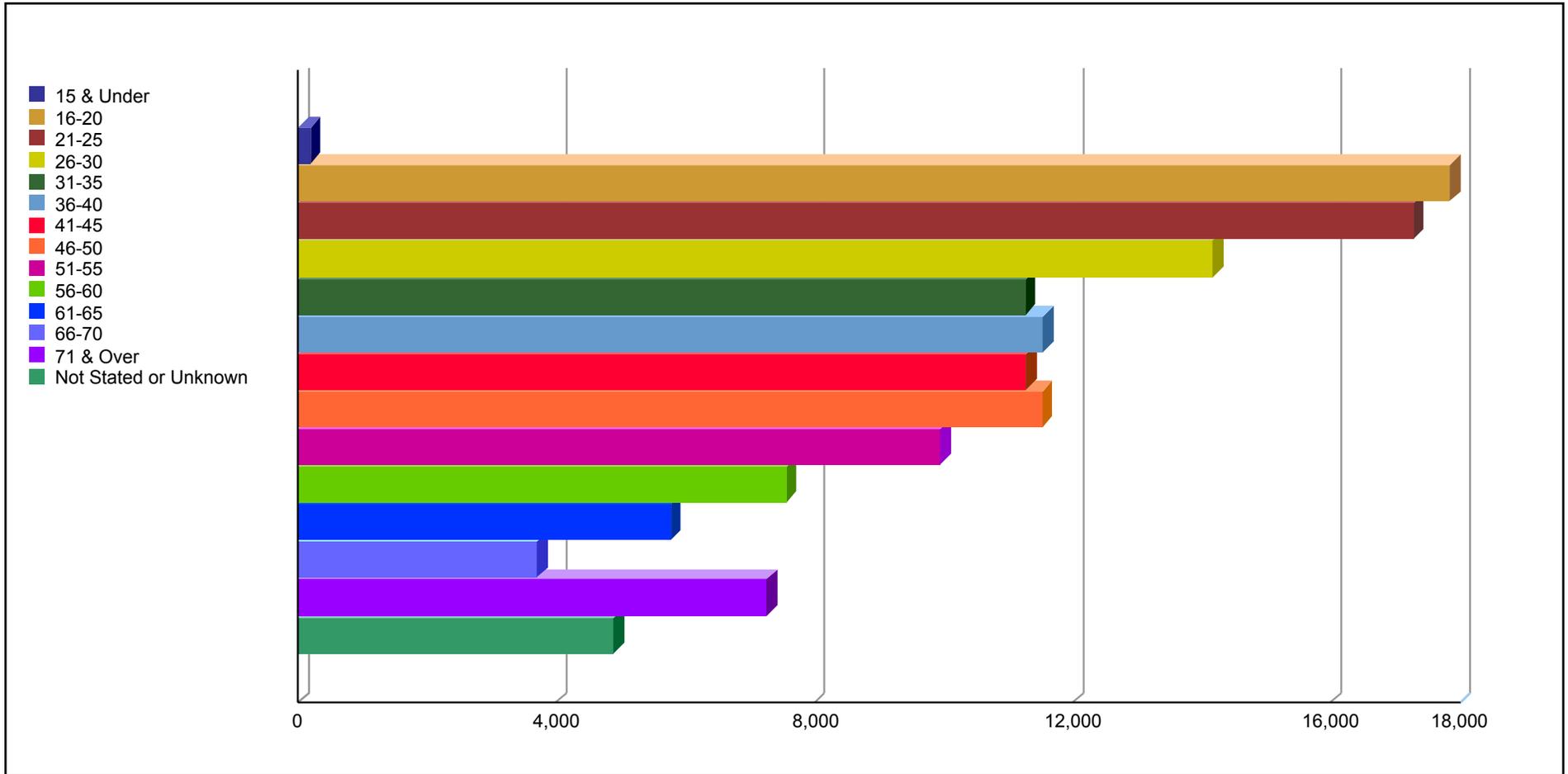


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Missouri Department of Transportation  
Transportation Planning  
*Total Crashes by Drivers Age for 2008*  
134,211 Drivers Involved in 77,048 Total Crashes

Date: Aug 13, 2009  
Time: 4:01:03 PM



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### **Chapter 1-G : CRASHES BY HOUR, DAY AND MONTH**

The hour of 5:00 p.m. to 6:00 p.m. was the hour of highest percentage of total crashes. The hour of 6:00 p.m. to 7:00 p.m. was the hour of the highest percentage of fatal crashes during 2008.

Friday and Saturday had the largest percentage of fatal crashes at 15.35% and Friday accounted for the highest percentage of total crashes at 17.16%.

October had the largest number of fatal crashes in 2008. December had the largest number of injury crashes and December the largest number of total crashes in 2008.



**Missouri Department of Transportation  
Transportation Planning  
Crashes by Time of Day for 2008**

Date: Aug 13, 2009  
Time: 4:06:08 PM

Time of Day	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
12:00M - 12:59 AM	34	39	406	576	795	1,235
1:00 - 1:59 AM	13	13	389	533	795	1,197
2:00 - 2:59 AM	21	24	277	411	574	872
3:00 - 3:59 AM	12	13	247	320	515	774
4:00 - 4:59 AM	15	17	223	302	513	751
5:00 - 5:59 AM	18	20	359	457	911	1,288
6:00 - 6:59 AM	25	28	681	924	2,034	2,740
7:00 - 7:59 AM	23	25	1,182	1,621	3,587	4,792
8:00 - 8:59 AM	24	27	979	1,344	2,921	3,924
9:00 - 9:59 AM	11	13	859	1,211	2,316	3,186
10:00 - 10:59 AM	20	21	956	1,390	2,378	3,354
11:00 - 11:59 AM	23	26	1,130	1,678	2,916	4,069
12:00N - 12:59 PM	25	29	1,208	1,807	3,336	4,569
1:00 - 1:59 PM	36	38	1,177	1,850	3,192	4,405
2:00 - 2:59 PM	27	30	1,316	1,926	3,379	4,722
3:00 - 3:59 PM	36	47	1,747	2,626	4,499	6,282
4:00 - 4:59 PM	39	45	1,718	2,563	4,593	6,350
5:00 - 5:59 PM	33	37	1,673	2,549	4,832	6,538
6:00 - 6:59 PM	51	59	1,107	1,768	3,091	4,249
7:00 - 7:59 PM	27	30	876	1,335	2,099	3,002
8:00 - 8:59 PM	25	30	724	1,132	1,852	2,601
9:00 - 9:59 PM	24	29	696	1,049	1,685	2,405
10:00 - 10:59 PM	23	28	560	841	1,303	1,886
11:00 - 11:59 PM	22	23	519	749	1,025	1,566
NOT STATED	12	15	46	65	233	291
<b>Totals</b>	<b>619</b>	<b>706</b>	<b>21,055</b>	<b>31,027</b>	<b>55,374</b>	<b>77,048</b>

This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.



Missouri Department of Transportation  
Transportation Planning  
*Crashes by Day of Week for 2008*

Date: Aug 13, 2009  
Time: 4:03:58 PM

Day of Week	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
MONDAY	76	86	2,932	4,187	7,926	10,934
TUESDAY	90	105	3,202	4,539	8,896	12,188
WEDNESDAY	86	97	2,931	4,260	8,515	11,532
THURSDAY	84	95	3,239	4,692	9,152	12,475
FRIDAY	95	104	3,550	5,358	9,580	13,225
SATURDAY	95	107	2,848	4,388	6,200	9,143
SUNDAY	93	112	2,353	3,603	5,105	7,551
UNKNOWN	0	0	0	0	0	0
<b>Totals</b>	<b>619</b>	<b>706</b>	<b>21,055</b>	<b>31,027</b>	<b>55,374</b>	<b>77,048</b>

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Missouri Department of Transportation  
Transportation Planning  
Crashes by Month for 2008

Date: Aug 13, 2009  
Time: 4:05:24 PM

Month	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
JANUARY	47	50	1,820	2,612	4,721	6,588
FEBRUARY	39	44	1,814	2,591	5,283	7,136
MARCH	46	53	1,494	2,112	4,167	5,707
APRIL	53	61	1,624	2,445	4,216	5,893
MAY	47	52	1,790	2,699	4,534	6,371
JUNE	48	56	1,749	2,635	4,197	5,994
JULY	58	73	1,730	2,637	4,105	5,893
AUGUST	46	49	1,744	2,543	3,988	5,778
SEPTEMBER	55	60	1,701	2,527	4,285	6,041
OCTOBER	67	79	1,799	2,638	5,039	6,905
NOVEMBER	59	66	1,763	2,666	4,988	6,810
DECEMBER	54	63	2,027	2,922	5,851	7,932
<b>Totals</b>	<b>619</b>	<b>706</b>	<b>21,055</b>	<b>31,027</b>	<b>55,374</b>	<b>77,048</b>

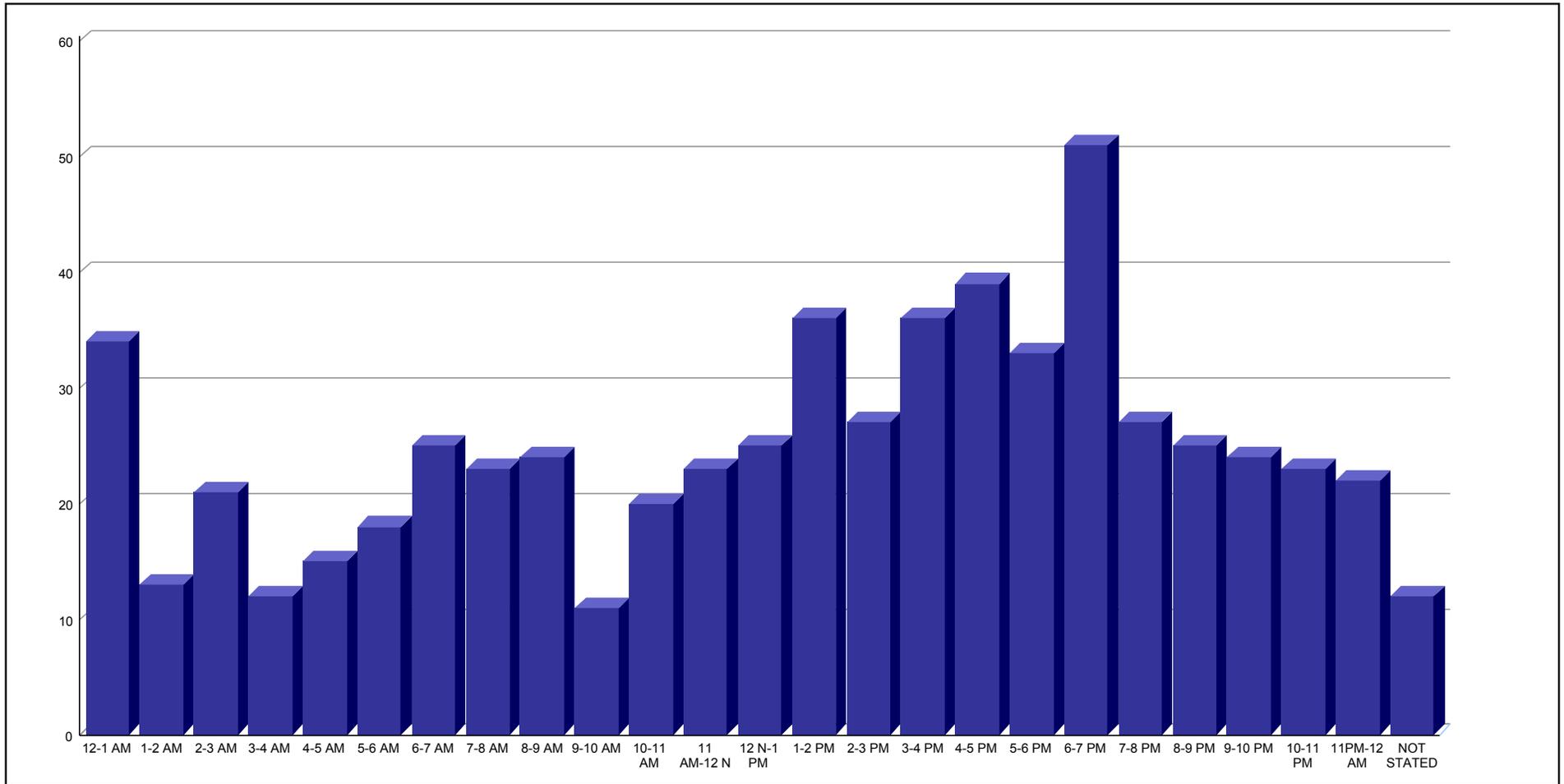
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**Missouri Department of Transportation**  
**Transportation Planning**  
**Fatal Crashes by Time of Day for 2008**  
**619 Fatal Crashes**

Date: Aug 13, 2009  
 Time: 4:09:44 PM

12-1 AM	1-2 AM	2-3 AM	3-4 AM	4-5 AM	5-6 AM	6-7 AM	7-8 AM	8-9 AM	9-10 AM	10-11 AM	11 AM-12 N	12 N-1 PM	1-2 PM	2-3 PM	3-4 PM	4-5 PM	5-6 PM	6-7 PM	7-8 PM	8-9 PM	9-10 PM	10-11 PM	11PM-12 AM	NOT STATED
34	13	21	12	15	18	25	23	24	11	20	23	25	36	27	36	39	33	51	27	25	24	23	22	12



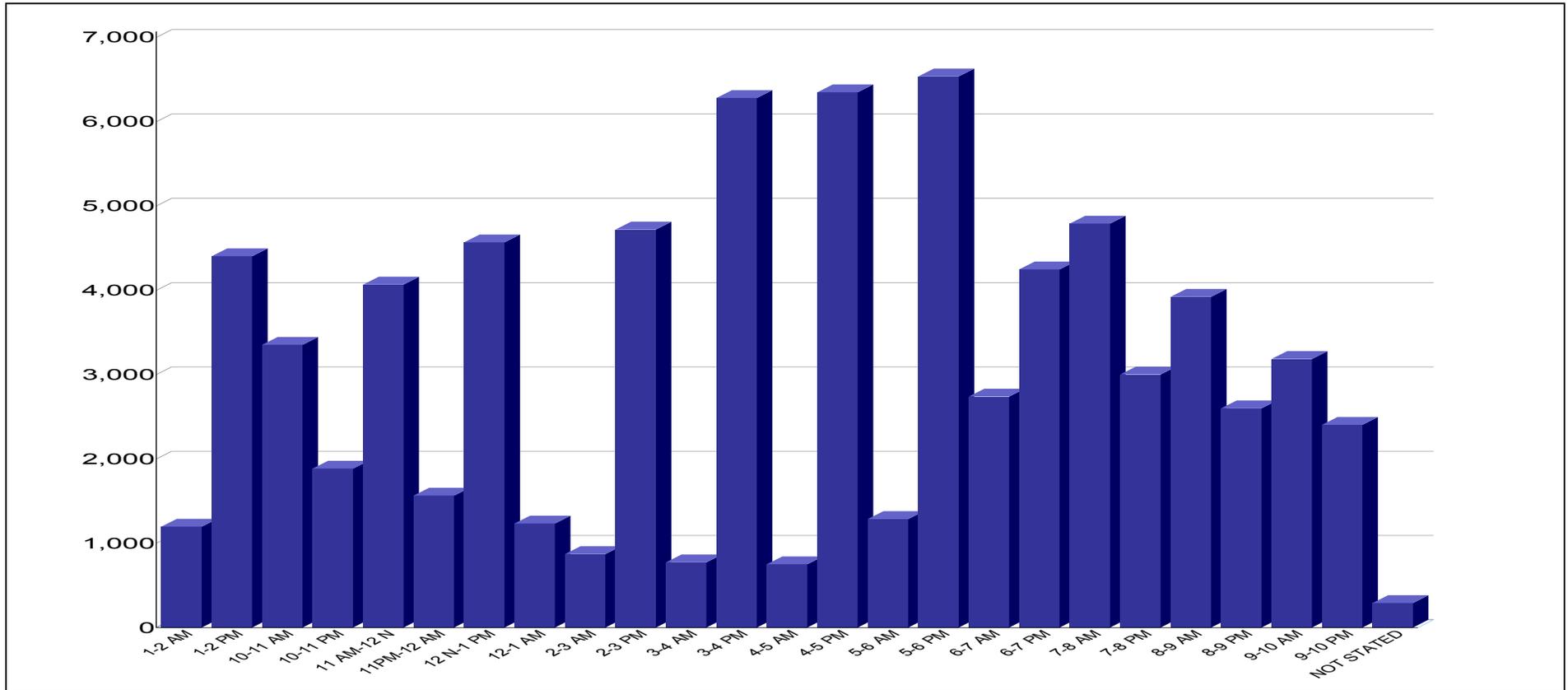
This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.



**Missouri Department of Transportation**  
**Transportation Planning**  
**Total Crashes by Time of Day for 2008**  
**77,048 Total Crashes**

Date: Aug 13, 2009  
 Time: 4:13:32 PM

12-1 AM	1-2 AM	2-3 AM	3-4 AM	4-5 AM	5-6 AM	6-7 AM	7-8 AM	8-9 AM	9-10 AM	10-11 AM	11 AM-12 N	12 N-1 PM	1-2 PM	2-3 PM	3-4 PM	4-5 PM	5-6 PM	6-7 PM	7-8 PM	8-9 PM	9-10 PM	10-11 PM	11PM-12 AM	NOT STATED
1,235	1,197	872	774	751	1,288	2,740	4,792	3,924	3,186	3,354	4,069	4,569	4,405	4,722	6,282	6,350	6,538	4,249	3,002	2,601	2,405	1,886	1,566	291



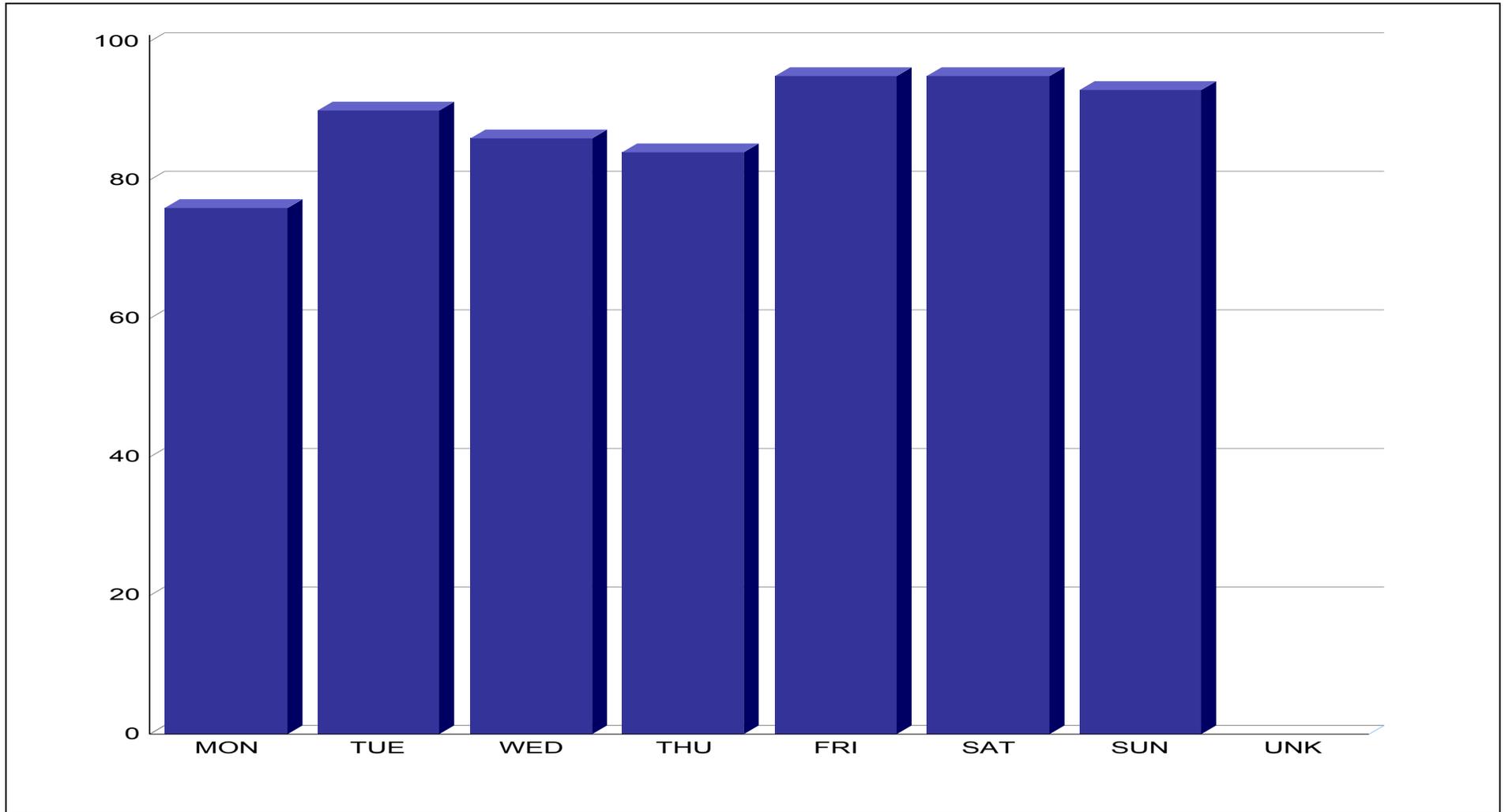
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Missouri Department of Transportation  
Transportation Planning  
Fatal Crashes by Day of Week for 2008  
619 Fatal Crashes

Date: Aug 13, 2009  
Time: 4:07:09 PM

MON	TUE	WED	THU	FRI	SAT	SUN	UNK
76	90	86	84	95	95	93	0

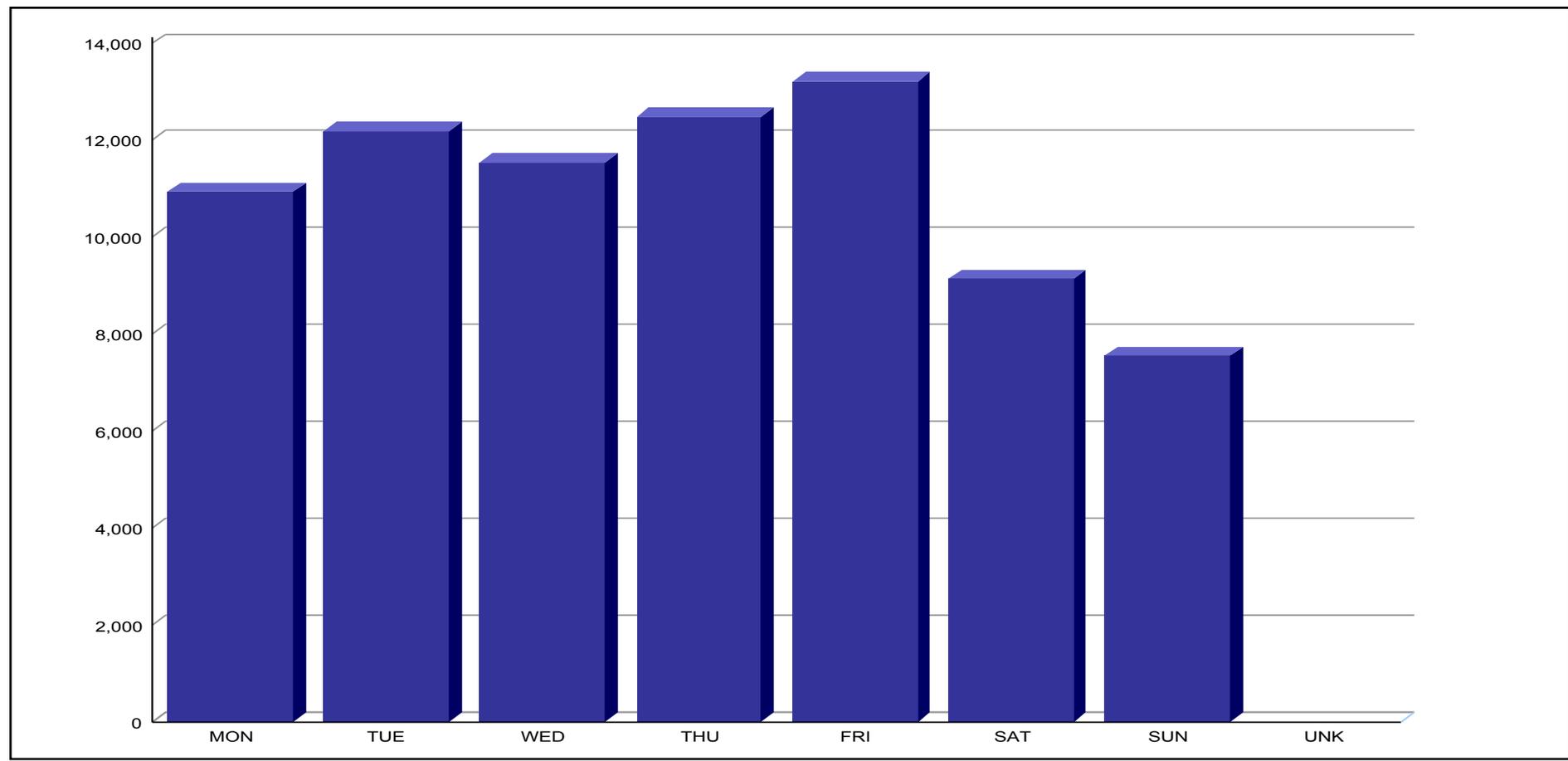




**Missouri Department of Transportation  
Transportation Planning  
Total Crashes by Day of Week for 2008  
77,048 Total Crashes**

Date: Aug 13, 2009  
Time: 4:10:58 PM

MON	TUE	WED	THU	FRI	SAT	SUN	UNK
10,934	12,188	11,532	12,475	13,225	9,143	7,551	0



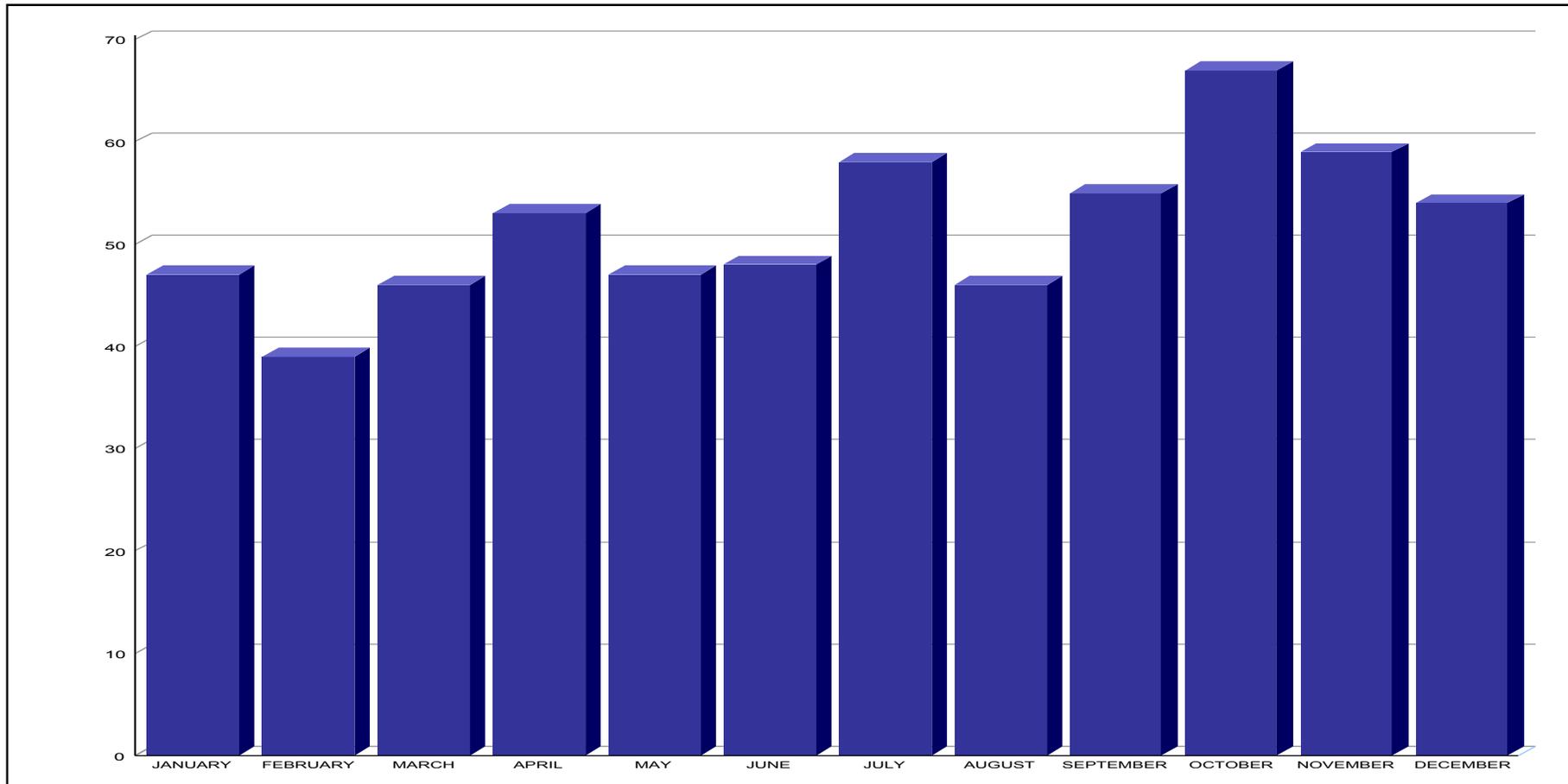
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Missouri Department of Transportation  
Transportation Planning  
*Fatal Crashes by Month For 2008*  
619 Fatal Crashes

Date: Aug 13, 2009  
Time: 4:08:24 PM

JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
47	39	46	53	47	48	58	46	55	67	59	54



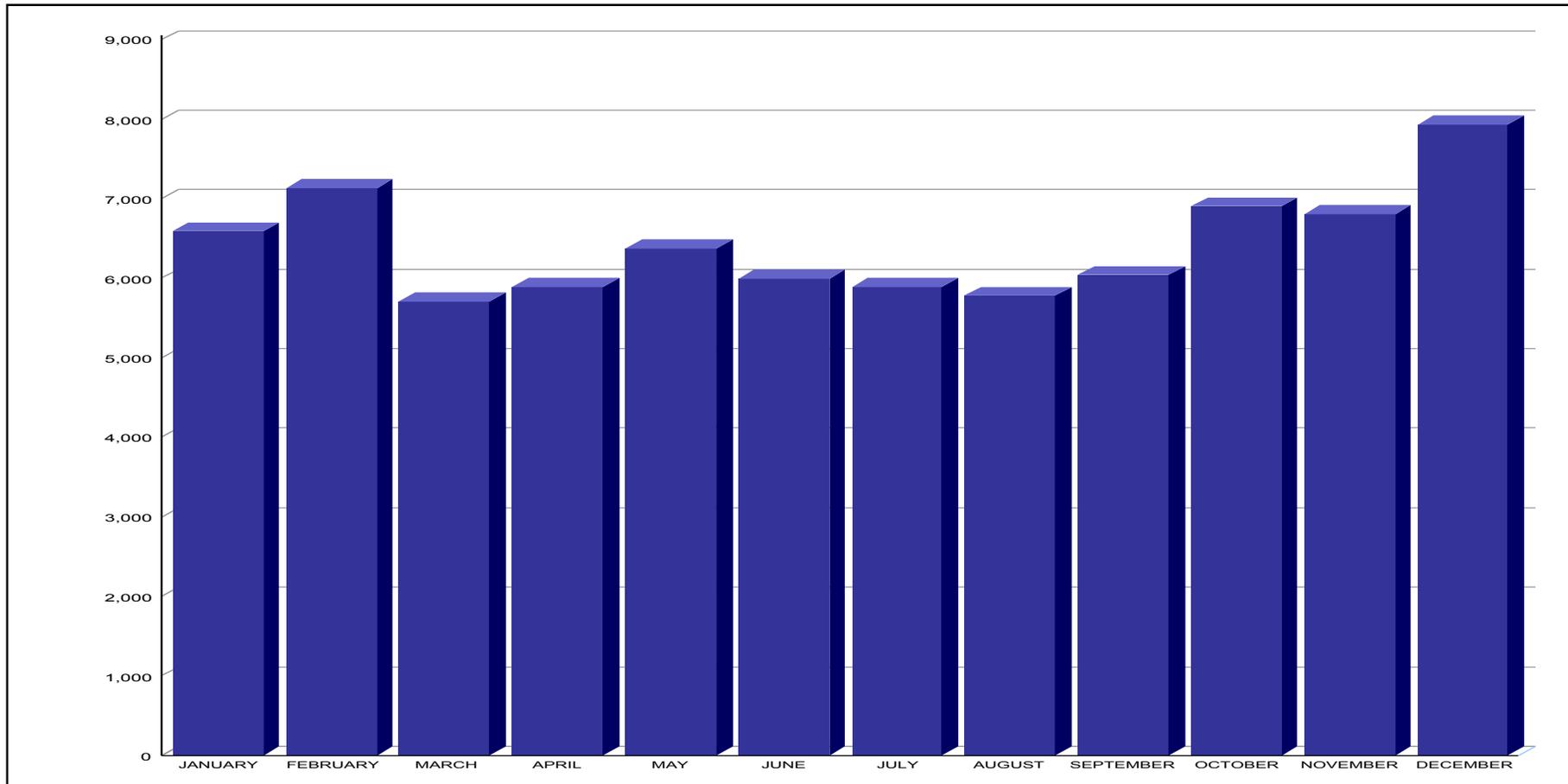
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Missouri Department of Transportation  
Transportation Planning  
Total Crashes by Month For 2008  
77,048 Total Crashes

Date: Aug 13, 2009  
Time: 4:12:30 PM

JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
6588	7136	5707	5893	6371	5994	5893	5778	6041	6905	6810	7932



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## **Chapter 1-H : CRASHES BY WEATHER CONDITION**

The examination of weather conditions reveals that, in 2008, a majority of fatal, injury and total crashes occurred under ideal weather conditions.



Missouri Department of Transportation  
Transportation Planning  
Crashes by Weather Condition for 2008

Date: Aug 13, 2009  
Time: 4:15:59 PM

Weather Condition	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
CLEAR	349	399	11,910	17,818	29,623	41,882
CLOUDY	199	223	6,380	9,349	15,861	22,440
FOG/MIST	16	19	140	204	351	507
FREEZING	6	7	236	340	596	838
NOT STATED	4	7	71	97	1,616	1,691
RAIN	37	42	1,476	2,099	4,596	6,109
SLEET	3	4	227	306	740	970
SNOW	5	5	615	814	1,991	2,611
<b>Totals</b>	<b>619</b>	<b>706</b>	<b>21,055</b>	<b>31,027</b>	<b>55,374</b>	<b>77,048</b>

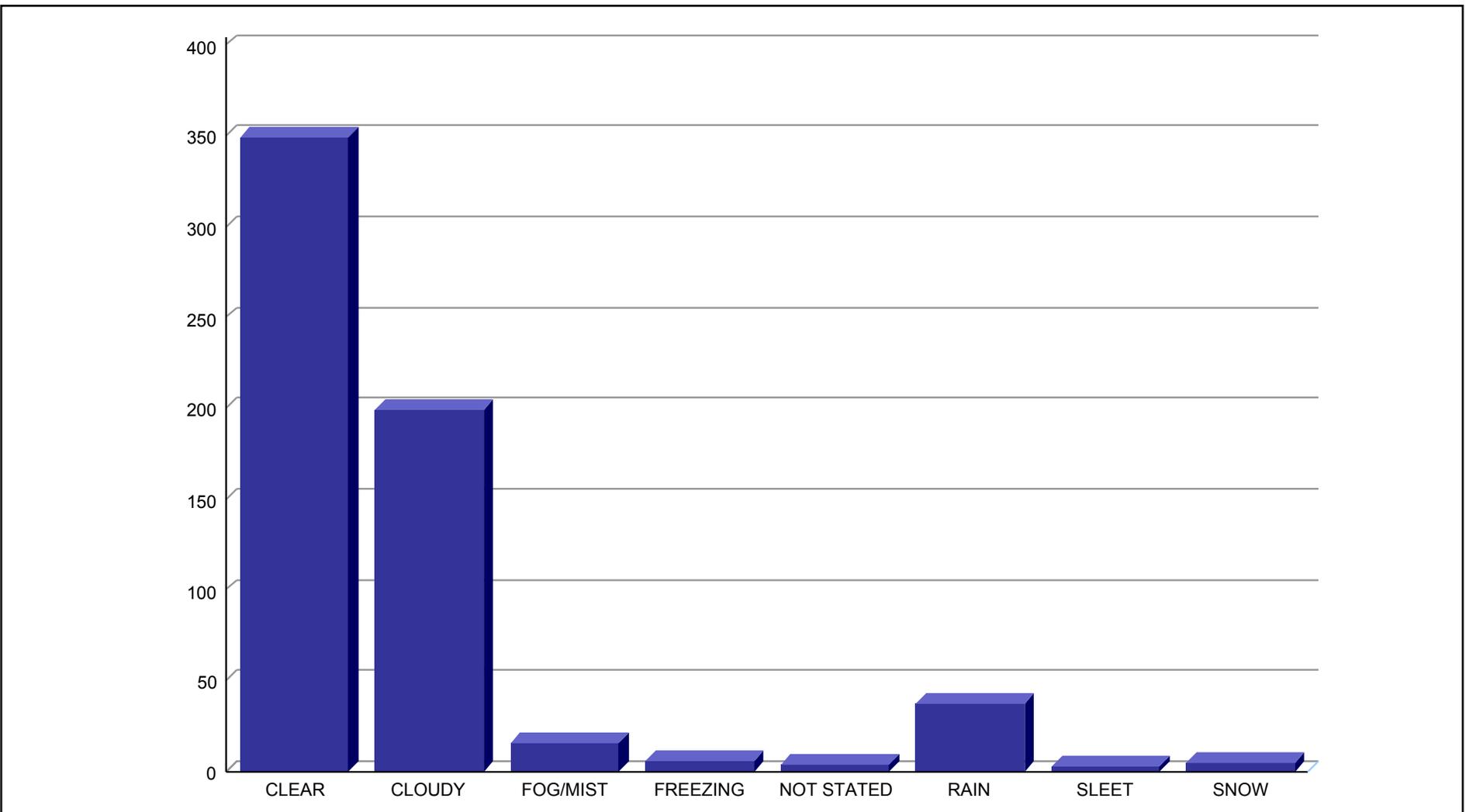
This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.



**Missouri Department of Transportation**  
**Transportation Planning**  
*Fatal Crashes by Weather Condition for 2008*  
**619 Fatal Crashes**

Date: Aug 13, 2009  
Time: 4:17:50 PM

CLEAR	CLOUDY	FOG/MIST	FREEZING	NOT STATED	RAIN	SLEET	SNOW
349	199	16	6	4	37	3	5



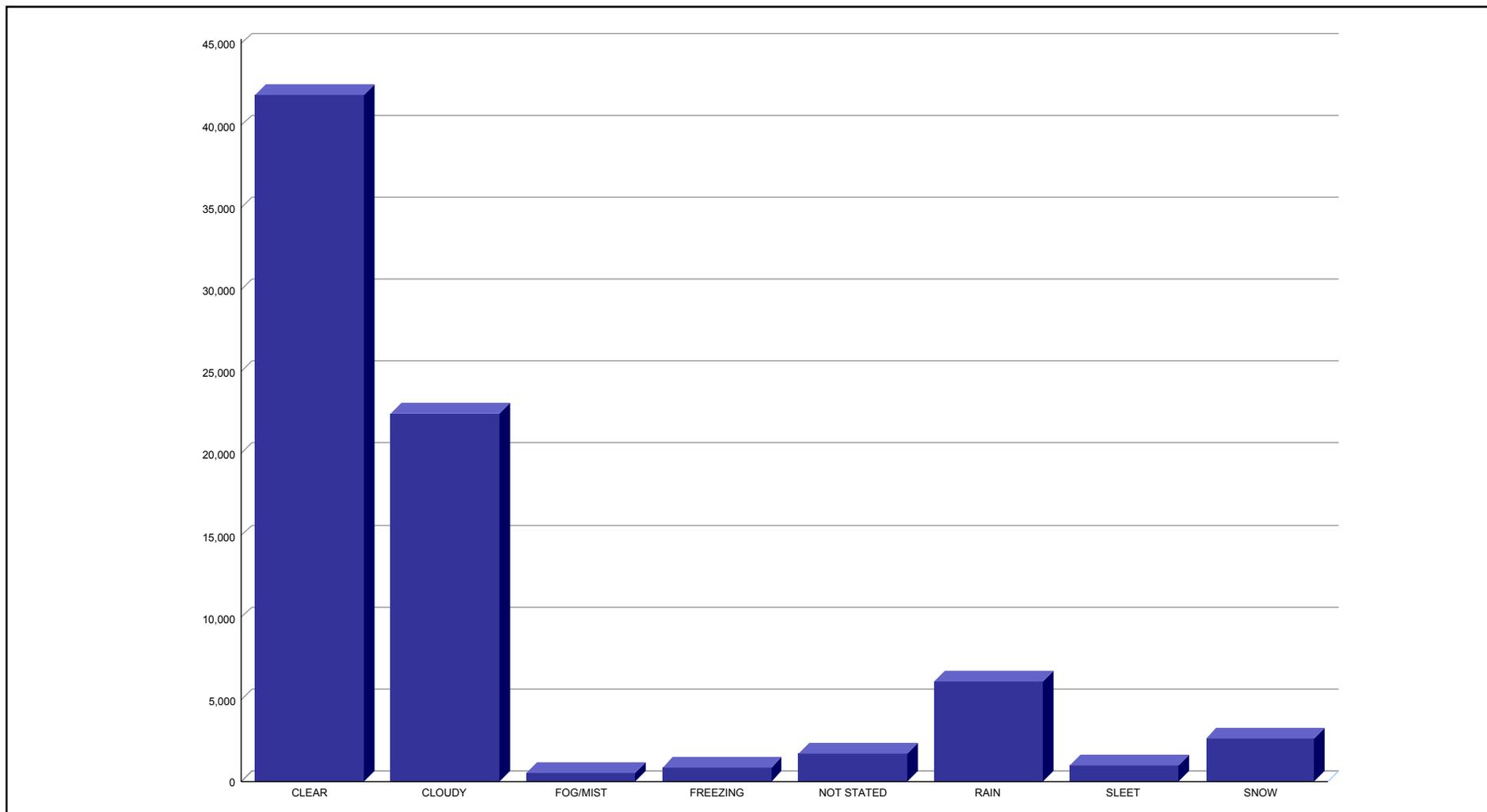
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Missouri Department of Transportation  
Transportation Planning  
Total Crashes by Weather Condition for 2008  
77,048 Total Crashes

Date: Aug 13, 2009  
Time: 4:18:48 PM

CLEAR	CLOUDY	FOG/MIST	FREEZING	NOT STATED	RAIN	SLEET	SNOW
41,882	22,440	507	838	1,691	6,109	970	2,611



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### **Chapter 1-I : CRASHES BY VEHICLE TYPE**

This section reviews the types of vehicles involved in crashes. The totals shown represent all vehicles as a separate crash; therefore, vehicle totals will not agree with the crash totals.

In 2008, the percent of passenger cars involved in fatal crashes was 47.8%. For motorcycles, the percentage was 7.61%.



**Missouri Department of Transportation  
Transportation Planning  
Crashes by Vehicle Type for 2008**

Date: Aug 13, 2009  
Time: 4:20:34 PM

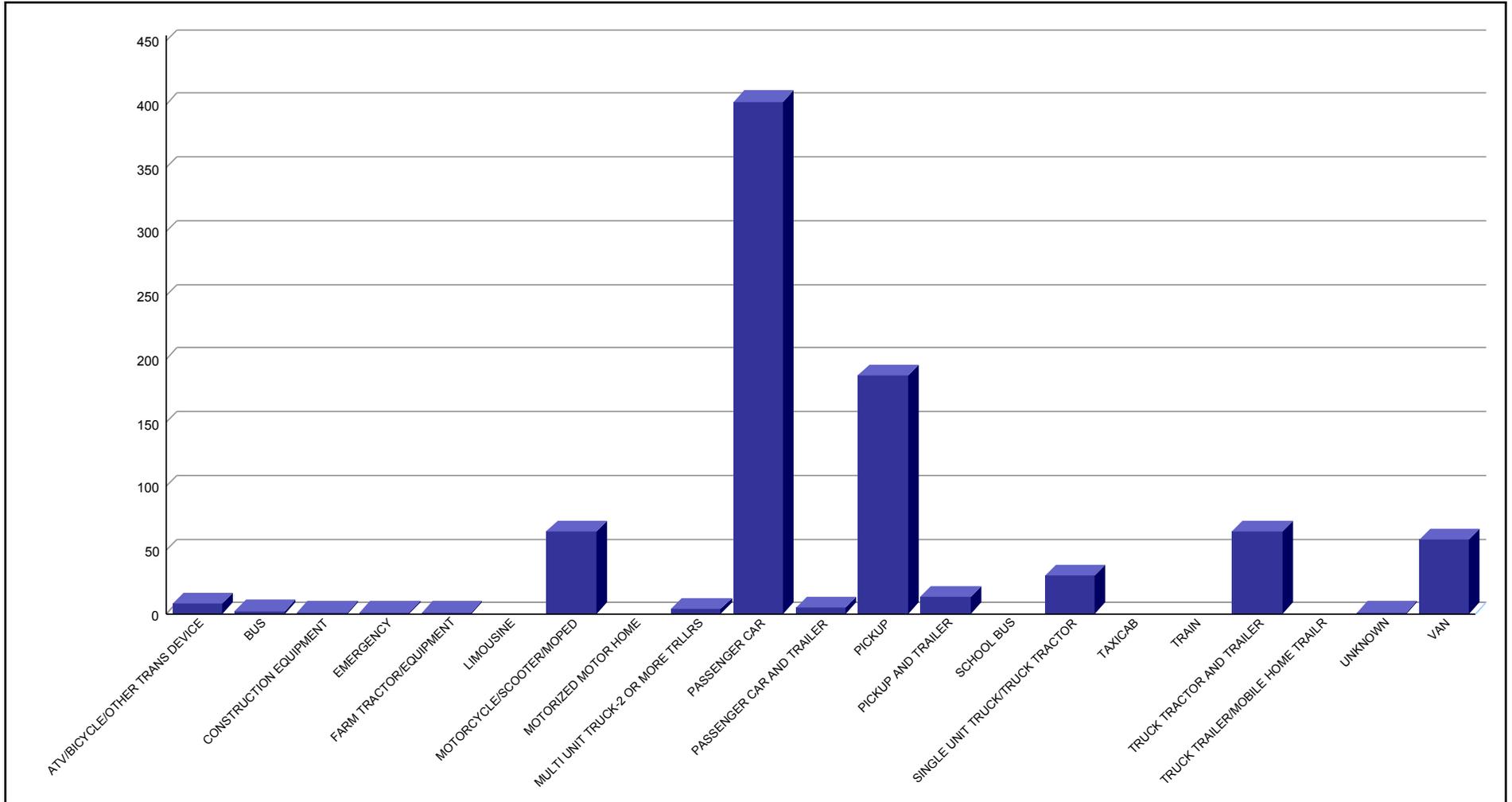
Vehicle Type	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
ATV/BICYCLE/OTHER TRANS DEVICE	8	8	212	257	307	527
BUS	2	2	35	78	116	153
CONSTRUCTION EQUIPMENT	1	2	13	18	45	59
EMERGENCY	1	1	144	219	619	764
FARM TRACTOR/EQUIPMENT	1	1	31	47	93	125
LIMOUSINE	0	0	8	14	13	21
MOTORCYCLE/SCOOTER/MOPED	64	66	1,183	1,427	259	1,506
MOTORIZED MOTOR HOME	0	0	17	46	57	74
MULTI UNIT TRUCK-2 OR MORE TRLLRS	4	4	52	82	132	188
PASSENGER CAR	402	467	16,769	25,269	45,192	62,363
PASSENGER CAR AND TRAILER	5	5	53	79	158	216
PICKUP	187	216	5,446	8,253	14,730	20,363
PICKUP AND TRAILER	13	16	256	400	997	1,266
SCHOOL BUS	0	0	42	122	184	226
SINGLE UNIT TRUCK/TRUCK TRACTOR	30	34	625	904	1,870	2,525
TAXICAB	0	0	0	0	0	0
TRAIN	0	0	0	0	6	6
TRUCK TRACTOR AND TRAILER	64	75	916	1,311	3,361	4,341
TRUCK TRAILER/MOBILE HOME TRAILR	0	0	0	0	0	0
UNKNOWN	1	1	91	124	535	627
VAN	58	71	2,402	4,097	6,203	8,663
<b>Totals</b>	<b>841</b>	<b>969</b>	<b>28,295</b>	<b>42,747</b>	<b>74,877</b>	<b>104,013</b>

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Missouri Department of Transportation  
Transportation Planning  
**Fatal Crashes by Vehicle Type for Year 2008**  
841 Vehicles in Fatal Crashes

Date: Aug 13, 2009  
Time: 4:22:24 PM

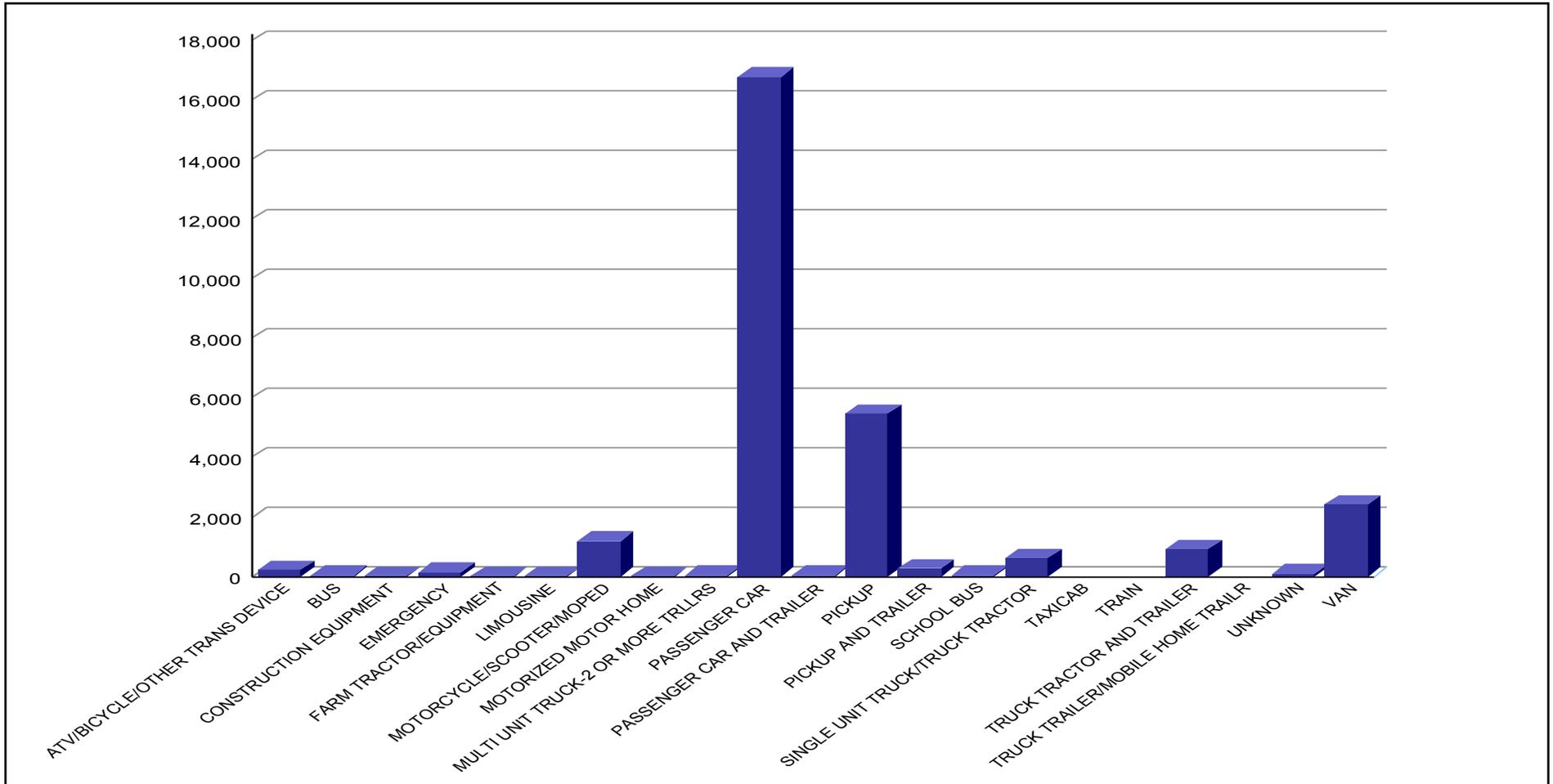


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Missouri Department of Transportation  
Transportation Planning  
*Injury Crashes by Vehicle Type For 2008*  
28,295 Vehicles in Injury Crashes

Date: Aug 13, 2009  
Time: 4:23:25 PM

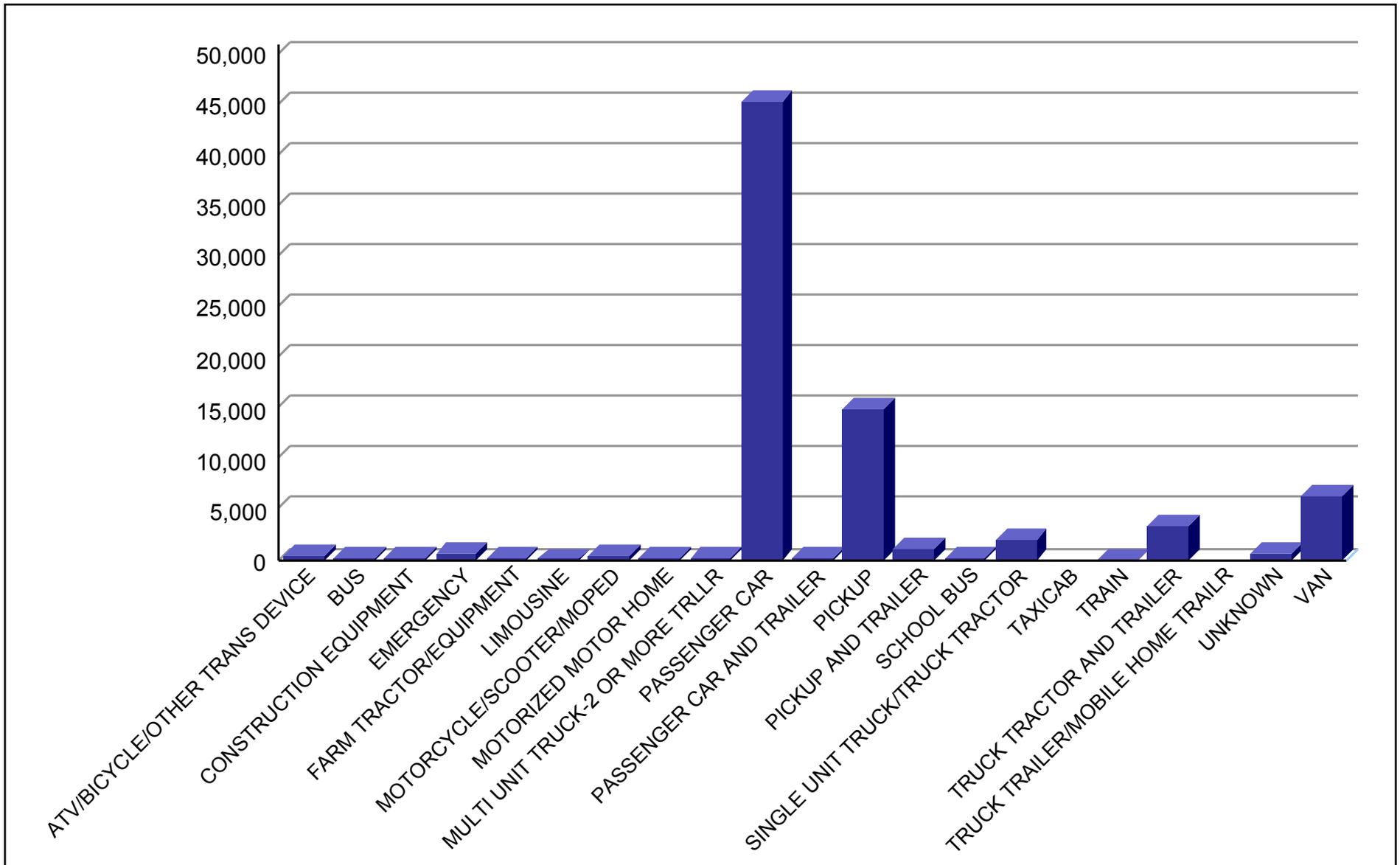


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Missouri Department of Transportation  
Transportation Planning  
PDO Crashes by Vehicle Type for 2008  
74,877 Vehicles in PDO Crashes

Date: Aug 13, 2009  
Time: 4:24:52 PM

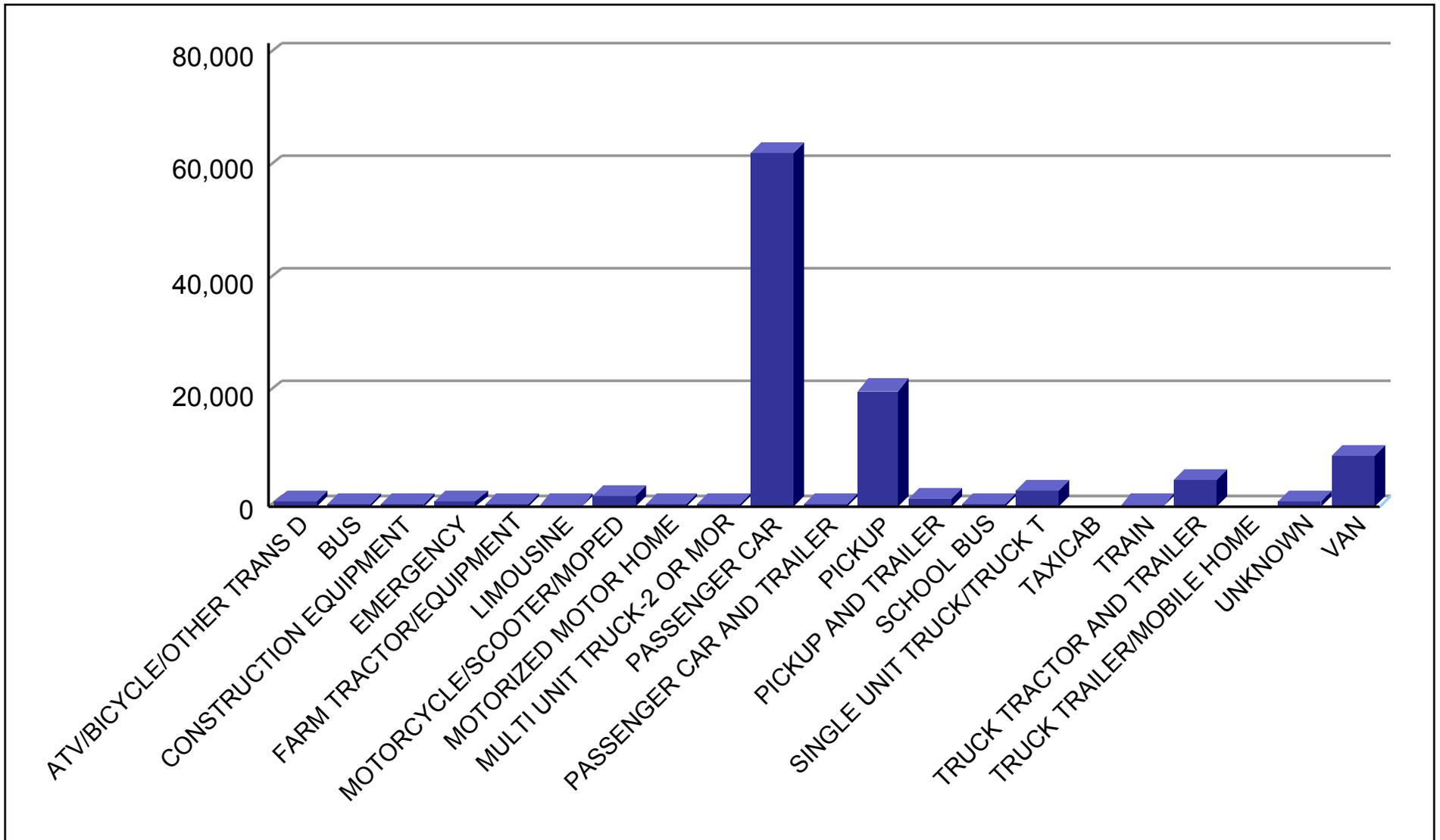


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Missouri Department of Transportation  
Transportation Planning  
Total Crashes by Vehicle Type for 2008  
104,013 Vehicles in Total Crashes

Date: Aug 13, 2009  
Time: 4:25:48 PM



This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.

### **Chapter 1-J : CRASHES BY LIGHT CONDITION**

This section reviews the total reported crashes to determine whether they occurred during dark hours or daylight hours.

During 2008, 71.1% of the total crashes and 56.8% of the fatal crashes occurred during daylight hours.



Missouri Department of Transportation  
Transportation Planning  
*Crashes by Light Condition For2008*

Date: Aug 13, 2009  
Time: 4:27:19 PM

Light Condition	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
DARK - NO STREET LIGHTS	208	240	3,404	4,888	8,184	11,796
DARK W/ STREET LIGHTS OFF	3	3	84	107	298	385
DARK W/ STREET LIGHTS ON	47	51	2,489	3,719	6,530	9,066
DAYLIGHT	352	401	14,846	21,990	39,611	54,809
NOT STATED/UNKNOWN	9	11	232	323	751	992
<b>Totals</b>	<b>619</b>	<b>706</b>	<b>21,055</b>	<b>31,027</b>	<b>55,374</b>	<b>77,048</b>

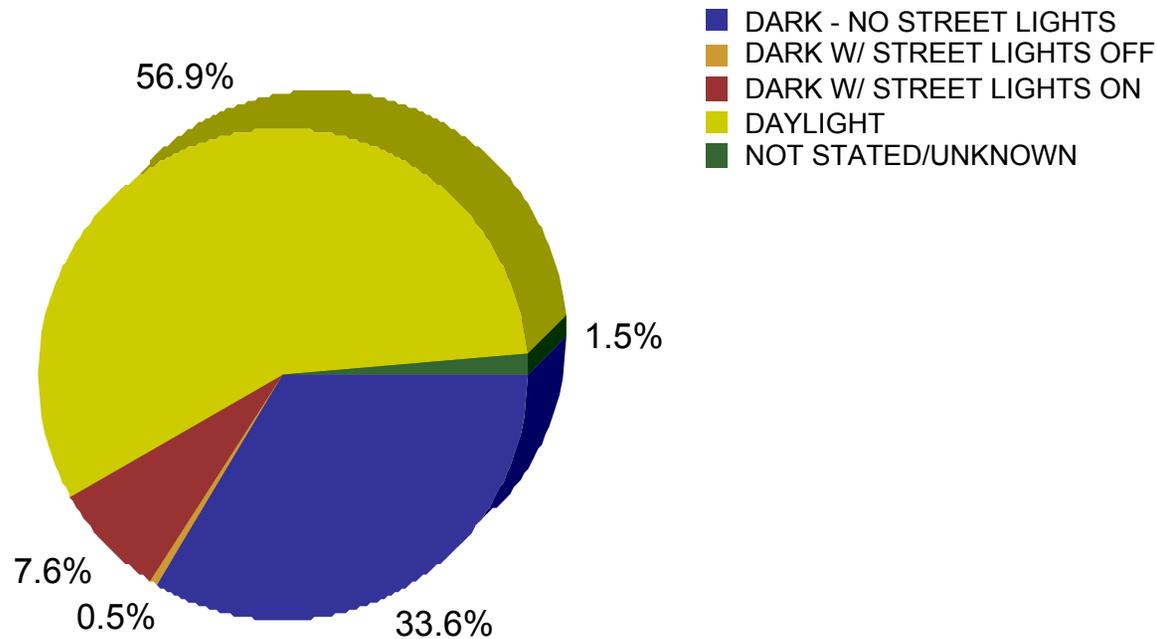
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Missouri Department of Transportation  
Transportation Planning  
*Fatal Crashes by Light Condition for 2008*  
619 Fatal Crashes

Date: Aug 13, 2009  
Time: 4:28:25 PM

Light Condition	Total Fatal Crashes
DARK - NO STREET LIGHTS	208
DARK W/ STREET LIGHTS OFF	3
DARK W/ STREET LIGHTS ON	47
DAYLIGHT	352
NOT STATED/UNKNOWN	9



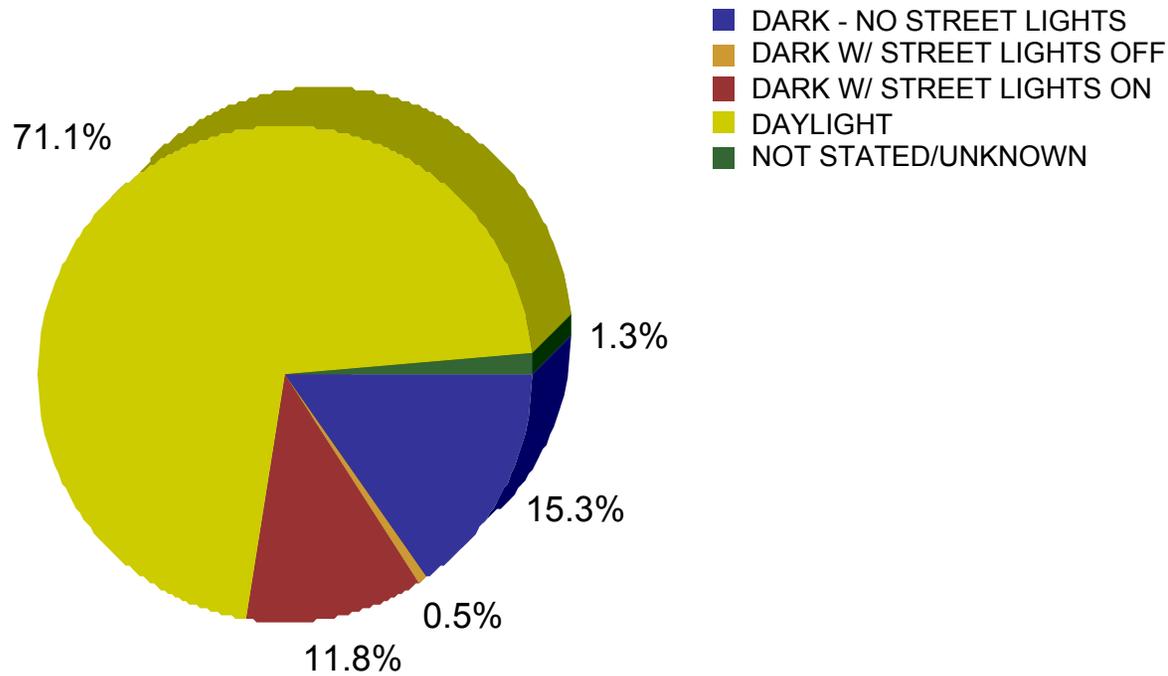
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Missouri Department of Transportation  
Transportation Planning  
Crashes by Light Condition for 2008  
77,048 Total Crashes

Date: Aug 13, 2009  
Time: 4:29:34 PM

Light Condition	Total Crashes
DARK - NO STREET LIGHTS	11,796
DARK W/ STREET LIGHTS OFF	385
DARK W/ STREET LIGHTS ON	9,066
DAYLIGHT	54,809
NOT STATED/UNKNOWN	992



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### **Chapter 1-K : CRASHES BY FIXED OBJECT STRUCK**

This section examines all accidents involving vehicle contact with a fixed object. In 2008, 43.8% of fatal crashes involved embankments and trees as the fixed object. These two fixed objects represented 26.1% of the total crashes when a fixed object was struck.



**Missouri Department of Transportation  
Transportation Planning  
Crashes by Fixed Object Struck For 2008**

Date: Aug 13, 2009  
Time: 4:31:10 PM

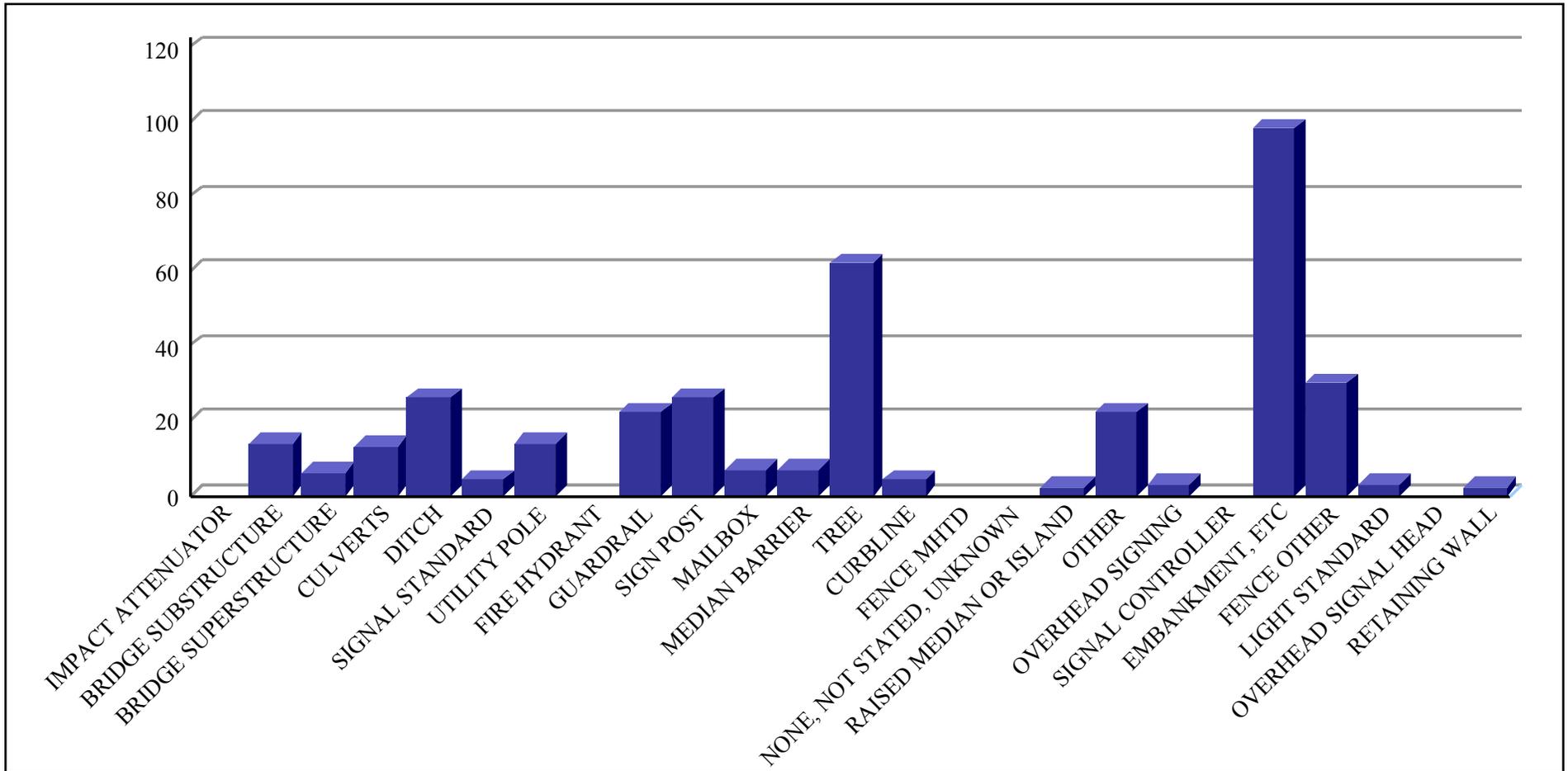
Fixed Object Struck	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
BRIDGE SUBSTRUCTURE	14	16	81	100	152	247
BRIDGE SUPERSTRUCTURE	6	6	9	16	14	29
CULVERTS	13	15	330	412	304	647
CURBLINE	4	5	154	211	412	570
DITCH	26	27	967	1,221	1,417	2,410
EMBANKMENT, ETC	98	106	1,819	2,390	1,928	3,845
FENCE MHTD	0	0	0	0	0	0
FENCE OTHER	30	31	619	780	1,077	1,726
FIRE HYDRANT	0	0	9	12	26	35
GUARDRAIL	22	24	672	873	1,591	2,285
IMPACT ATTENUATOR	0	0	12	18	37	49
LIGHT STANDARD	3	3	61	68	138	202
MAILBOX	7	8	154	207	286	447
MEDIAN BARRIER	7	7	286	396	1,652	1,945
NONE, NOT STATED, UNKNOWN	0	0	0	0	0	0
OTHER	22	24	352	444	761	1,135
OVERHEAD SIGNAL HEAD	0	0	0	0	0	0
OVERHEAD SIGNING	3	3	6	6	12	21
RAISED MEDIAN OR ISLAND	2	2	537	691	1,063	1,602
RETAINING WALL	2	5	57	74	83	142
SIGN POST	26	29	525	645	1,520	2,071
SIGNAL CONTROLLER	0	0	0	0	0	0
SIGNAL STANDARD	4	4	45	49	97	146
TREE	62	67	985	1,270	940	1,987
UTILITY POLE	14	15	319	396	432	765
<b>Totals</b>	<b>365</b>	<b>397</b>	<b>7,999</b>	<b>10,279</b>	<b>13,942</b>	<b>22,306</b>

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Missouri Department of Transportation  
Transportation Planning  
*Fatal Crashes by Fixed Object Struck for 2008*  
365 Fatal Crashes

Date: Aug 13, 2009  
Time: 4:32:34 PM

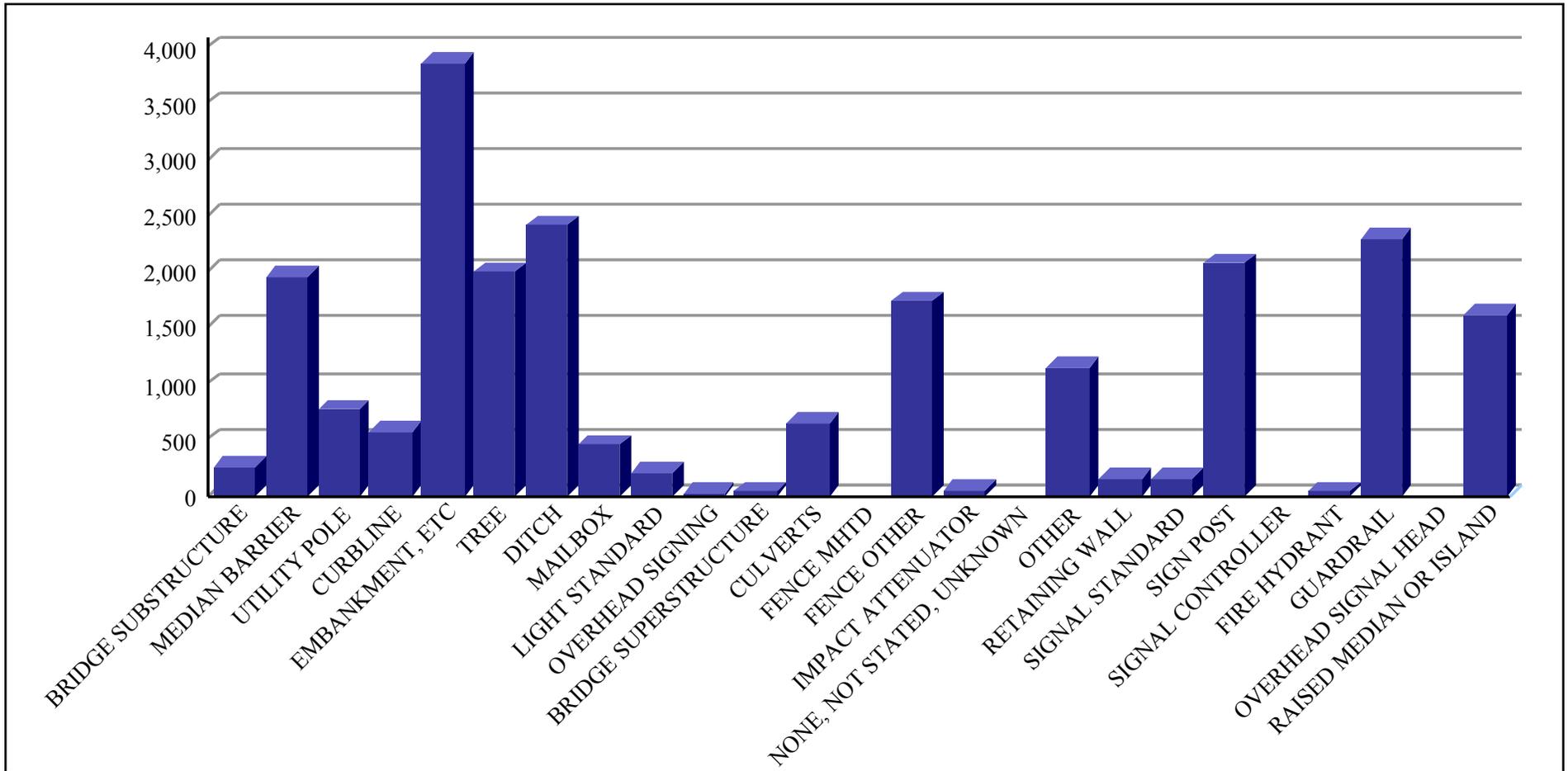


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Missouri Department of Transportation  
Transportation Planning  
Total Crashes by Fixed Object Struck for 2008  
22,306 Total Crashes

Date: Aug 13, 2009  
Time: 4:33:27 PM



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### **Chapter 1-L : CRASHES BY INTERSECTION TYPE**

In 2008, 37.7% of the total crashes occurring on the Missouri Highway System were at intersections with public roads or streets. These crashes resulted in 24.9% of the total fatal crashes. Interchanges represented 22.1% of the total crashes and 12.3% of fatal crashes.



**Missouri Department of Transportation  
Transportation Planning  
Crashes by Intersection Type for 2008**

Date: Aug 13, 2009  
Time: 4:34:35 PM

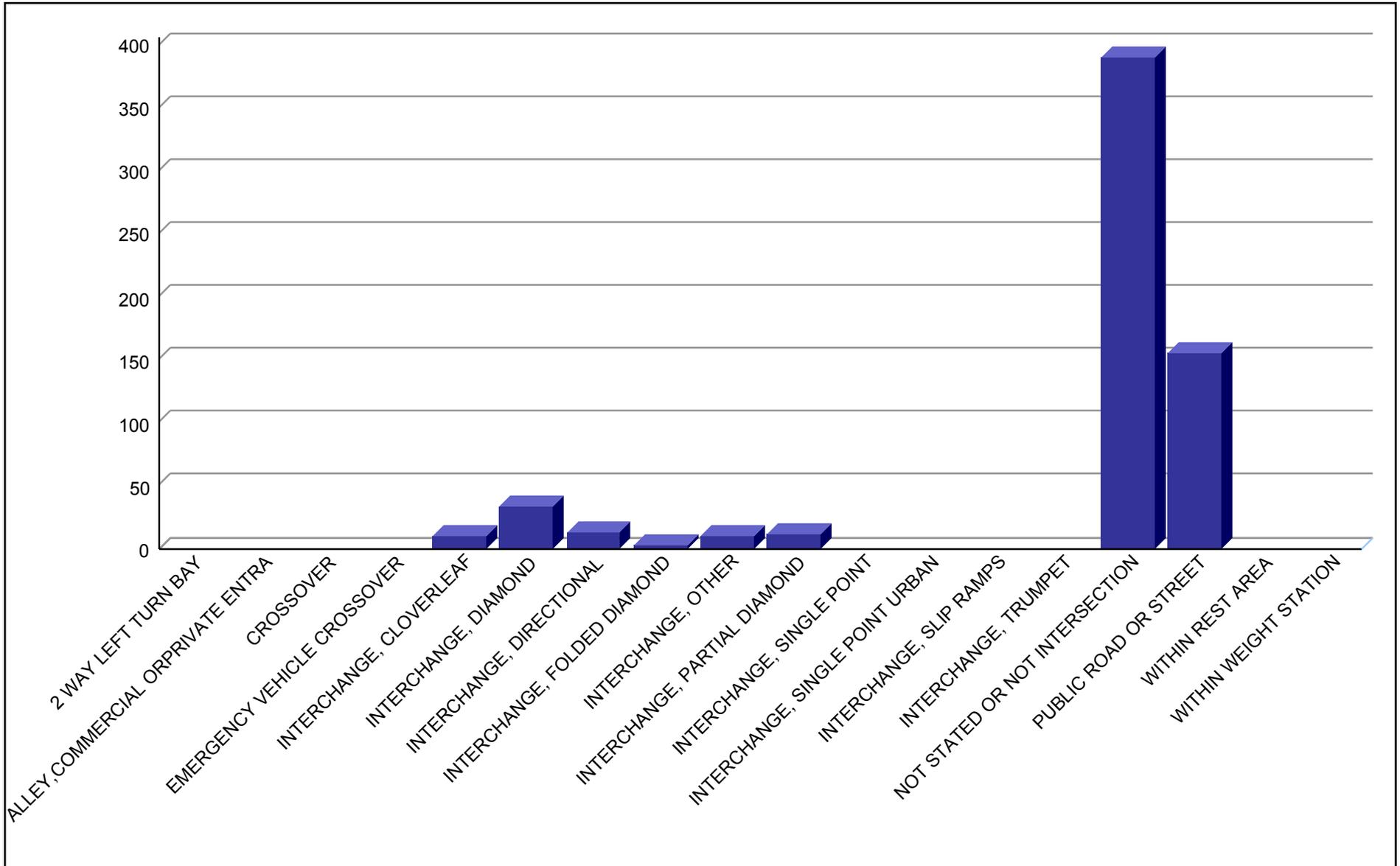
Intersection Type	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
2 WAY LEFT TURN BAY	0	0	0	0	0	0
ALLEY, COMMERCIAL OR PRIVATE ENTRANCE	0	0	177	253	494	671
CROSSOVER	0	0	0	0	0	0
EMERGENCY VEHICLE CROSSOVER	0	0	0	0	0	0
INTERCHANGE, CLOVERLEAF	9	9	355	476	1,098	1,462
INTERCHANGE, DIAMOND	33	36	1,816	2,578	6,783	8,632
INTERCHANGE, DIRECTIONAL	12	13	445	598	1,443	1,900
INTERCHANGE, FOLDED DIAMOND	2	2	88	121	298	388
INTERCHANGE, OTHER	9	9	509	714	1,560	2,078
INTERCHANGE, PARTIAL DIAMOND	11	12	588	814	1,730	2,329
INTERCHANGE, SINGLE POINT	0	0	9	12	46	55
INTERCHANGE, SINGLE POINT URBAN	0	0	5	5	31	36
INTERCHANGE, SLIP RAMPS	0	0	3	5	11	14
INTERCHANGE, TRUMPET	0	0	23	28	93	116
NOT STATED OR NOT INTERSECTION	389	453	9,097	13,208	20,824	30,310
PUBLIC ROAD OR STREET	154	172	7,939	12,214	20,945	29,038
WITHIN REST AREA	0	0	1	1	14	15
WITHIN WEIGHT STATION	0	0	0	0	4	4
<b>Totals</b>	<b>619</b>	<b>706</b>	<b>21,055</b>	<b>31,027</b>	<b>55,374</b>	<b>77,048</b>

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Missouri Department of Transportation  
Transportation Planning  
**Fatal Crashes by Intersection Type for 2008**  
619 Fatal Crashes

Date: Aug 13, 2009  
Time: 4:39:36 PM

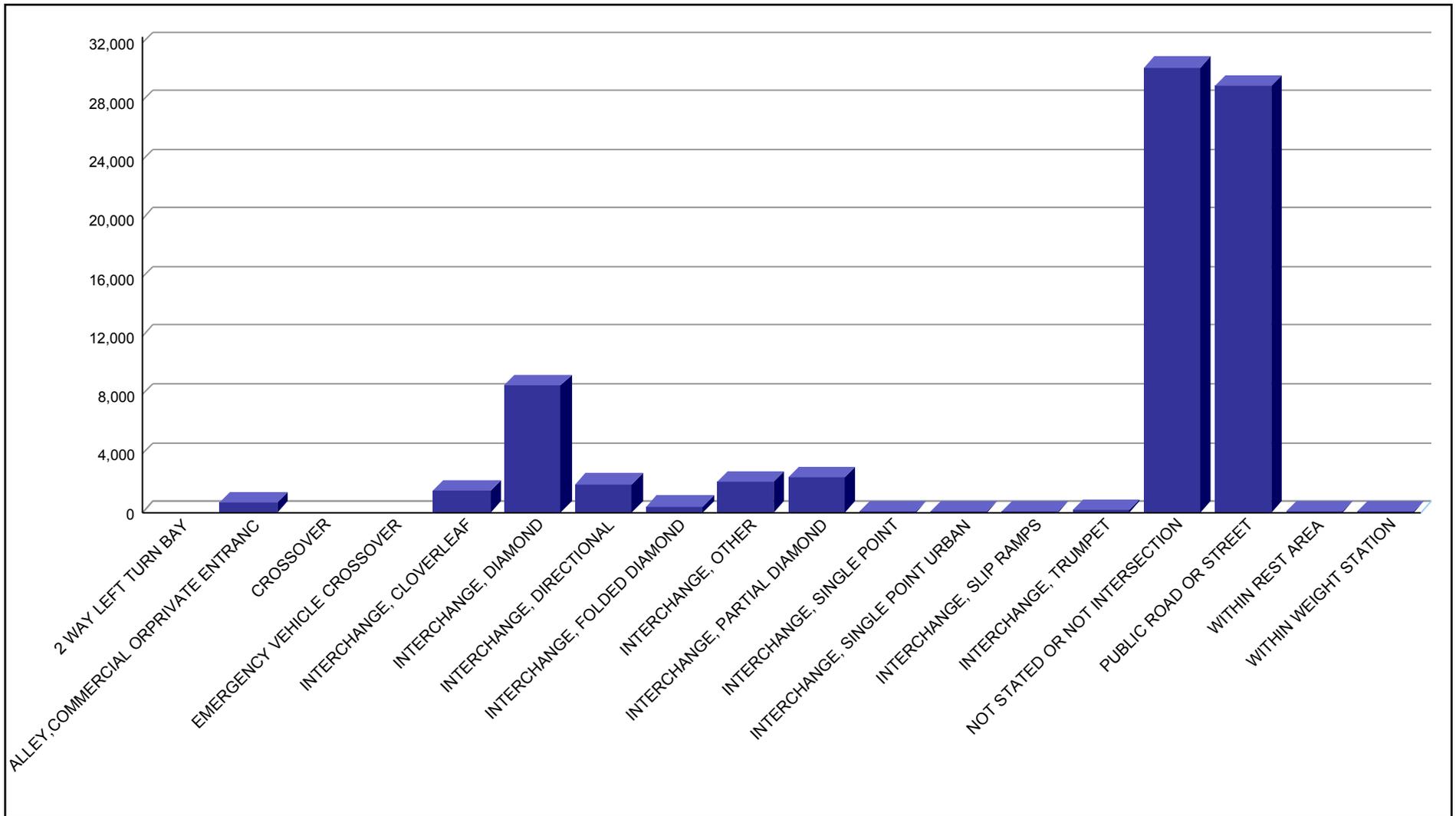


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Missouri Department of Transportation  
Transportation Planning  
Crashes by Intersection Type For Year 2008  
77,048 Total Crashes

Date: Aug 13, 2009  
Time: 4:35:51 PM



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### **Chapter 1-M : CRASHES INVOLVING PEDESTRIANS**

Pedestrian fatalities decreased 16.0% in 2008 compared to 2007.

10.4% of pedestrian fatalities and 38.6% of pedestrian injuries occurred during the hours of darkness in 2008.

The age span of 15-24 years accounted for 24.8% of the pedestrian injuries during 2008.

The age span of 45-54 years accounted for 28.5% of the pedestrian fatalities during 2008.



**Missouri Department of Transportation  
Transportation Planning  
Crashes by Pedestrian Maneuver by Age for 2008**

Date: Aug 13, 2009  
Time: 4:41:52 PM

Pedestrian Maneuver	0-4 Fatal	0-4 Injury	5-9 Fatal	5-9 Injury	10-14 Fatal	10-14 Injury	15-24 Fatal	15-24 Injury	25-34 Fatal	25-34 Injury	35-44 Fatal	35-44 Injury	45-54 Fatal	45-54 Injury	55-64 Fatal	55-64 Injury	65-74 Fatal	65-74 Injury	75 & Up Fatal	75 & Up Injury	Not Stated Fatal	Not Stated Injury	Totals
BEHIND PARKED CAR	0	1	0	0	0	0	0	4	0	2	0	4	2	2	1	1	1	0	1	1	0	0	20
CROSSWALK MARKED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GETTING ON/OFF VEHICLE	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
NOT STATED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOT STATED/UNKNWN/NO PEDS	0	3	0	0	0	0	0	5	0	4	0	3	1	4	1	3	0	0	0	2	0	0	26
OFF ROADWAY	0	0	0	1	0	0	0	2	0	3	0	3	0	2	0	1	0	1	0	2	0	0	15
OTHER IN ROAD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER WORKING	0	0	0	0	0	0	0	0	0	2	0	1	0	2	1	1	0	0	0	0	0	0	7
PLAYING IN ROAD	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
PUSHING/WORKING ON VEHICLE	0	0	0	0	0	0	0	1	0	5	0	0	0	3	0	0	0	0	0	0	0	0	9
SIGNAL MOVEMENT	0	1	1	5	2	9	2	30	4	20	0	9	6	21	0	9	2	3	3	4	0	0	131
STANDING IN ROAD	0	1	0	0	0	0	1	2	2	8	1	4	0	6	0	2	0	1	1	1	0	0	30
WALKING AGAINST TRAFFIC	0	1	0	0	0	2	0	6	1	3	2	3	1	3	1	2	0	2	0	0	0	0	27
WALKING WITH TRAFFIC	0	0	0	0	0	0	0	6	0	4	2	6	2	5	0	1	0	0	0	1	0	0	27
WITHIN CROSSWALK	0	1	0	0	0	0	0	8	0	0	0	0	0	1	0	0	0	0	0	0	0	0	10
WITHIN MARKED CROSSWALK	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3
<b>TOTAL</b>	<b>0</b>	<b>8</b>	<b>1</b>	<b>6</b>	<b>2</b>	<b>13</b>	<b>3</b>	<b>66</b>	<b>7</b>	<b>51</b>	<b>5</b>	<b>35</b>	<b>12</b>	<b>49</b>	<b>4</b>	<b>20</b>	<b>3</b>	<b>7</b>	<b>5</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>308</b>

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**Missouri Department of Transportation  
Transportation Planning  
Crashes by Pedestrian Maneuver by Light Condition for 2008**

Date: Aug 13, 2009  
Time: 4:43:35 PM

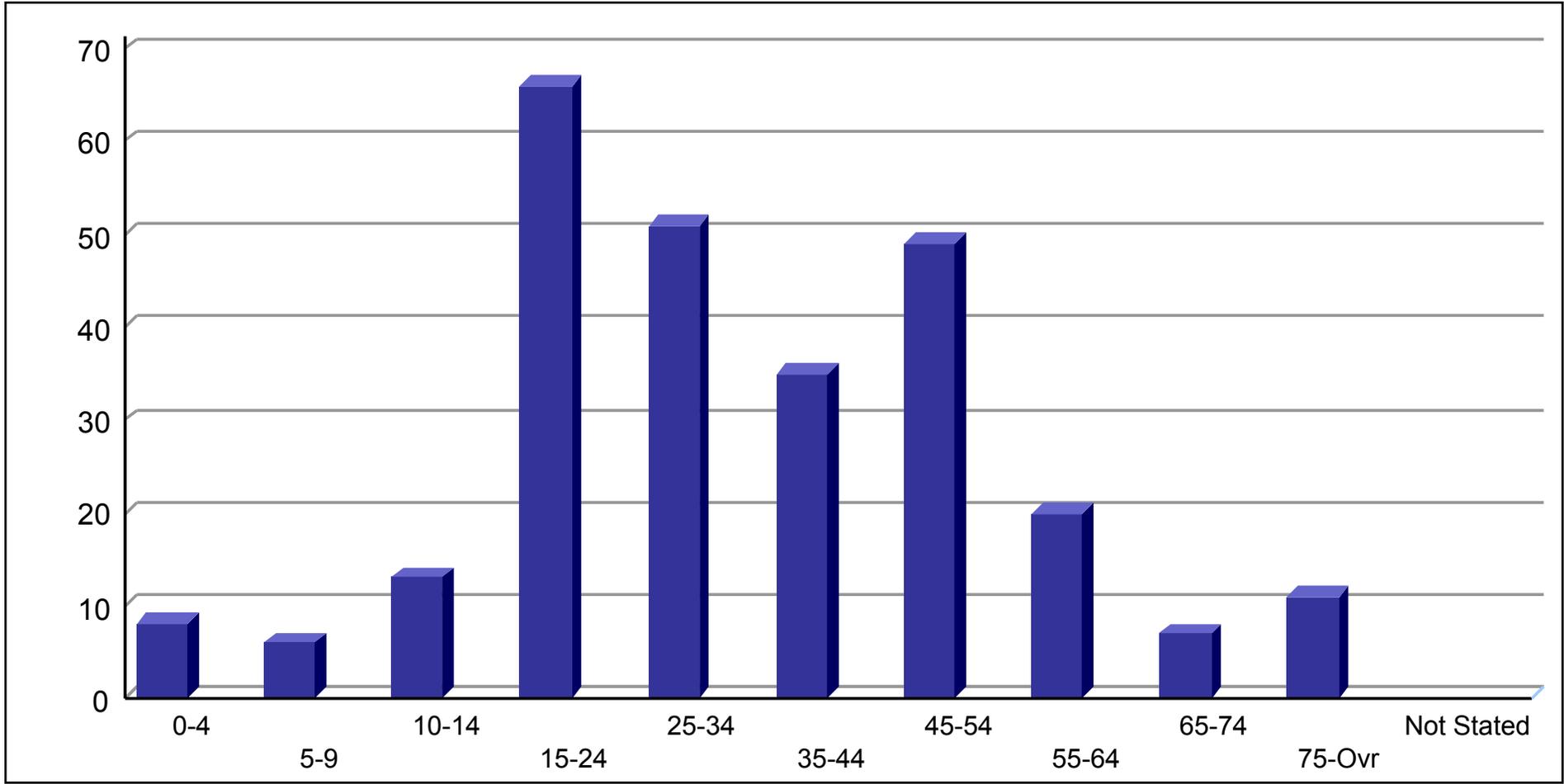
PEDESTRIAN MANEUVER	DARK		LIGHT		UNKNOWN	
	Total Fatalities	Total Injuries	Total Fatalities	Total Injuries	Total Fatalities	Total Injuries
BEHIND PARKED CAR	0	4	5	11	0	0
CROSSWALK MARKED	0	0	0	0	0	0
GETTING ON/OFF VEHICLE	0	1	0	0	0	0
NOT STATED/UNKNWN/NO PEDS	2	8	0	15	0	1
OFF ROADWAY	0	3	0	12	0	0
OTHER IN ROAD	0	0	0	0	0	0
OTHER WORKING	0	2	1	4	0	0
PLAYING IN ROAD	0	1	0	1	0	0
PUSHING/WORKING ON VEHICLE	0	5	0	4	0	0
SIGNAL MOVEMENT	18	50	1	60	1	1
STANDING IN ROAD	5	16	0	8	0	1
WALKING AGAINST TRAFFIC	3	11	2	11	0	0
WALKING WITH TRAFFIC	4	15	0	8	0	0
WITHIN CROSSWALK	0	3	0	7	0	0
WITHIN MARKED CROSSWALK	0	0	0	3	0	0
<b>Total</b>	<b>32</b>	<b>119</b>	<b>9</b>	<b>144</b>	<b>1</b>	<b>3</b>

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Missouri Department of Transportation  
Transportation Planning  
*Pedestrian Injuries by Age for 2008*  
266 Pedestrian Injuries

Date: Aug 17, 2009  
Time: 4:06:30 PM

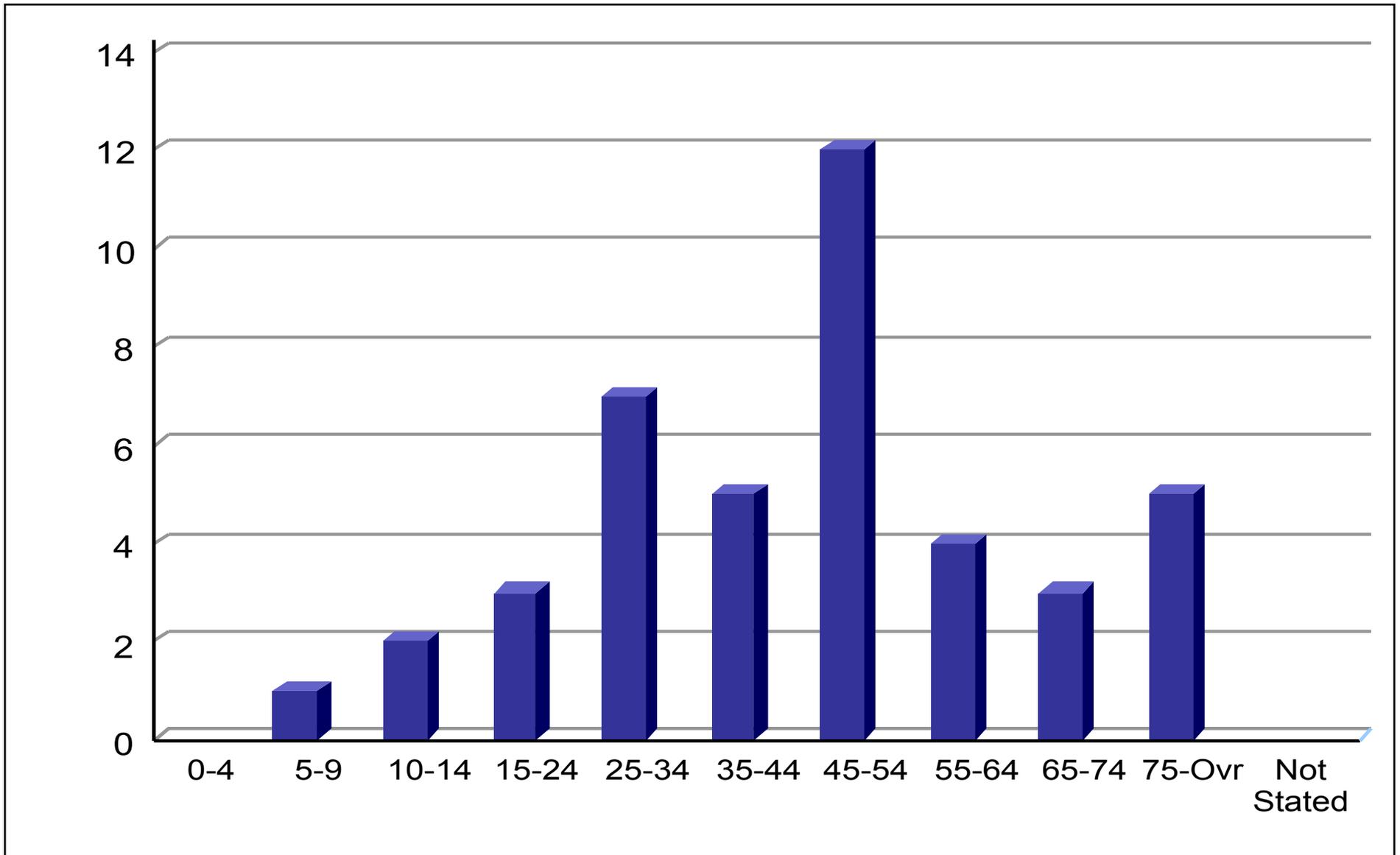


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Missouri Department of Transportation  
Transportation Planning  
*Pedestrian Fatalities by Age For 2008*  
42 Pedestrian Fatalities

Date: Aug 17, 2009  
Time: 11:24:01 AM

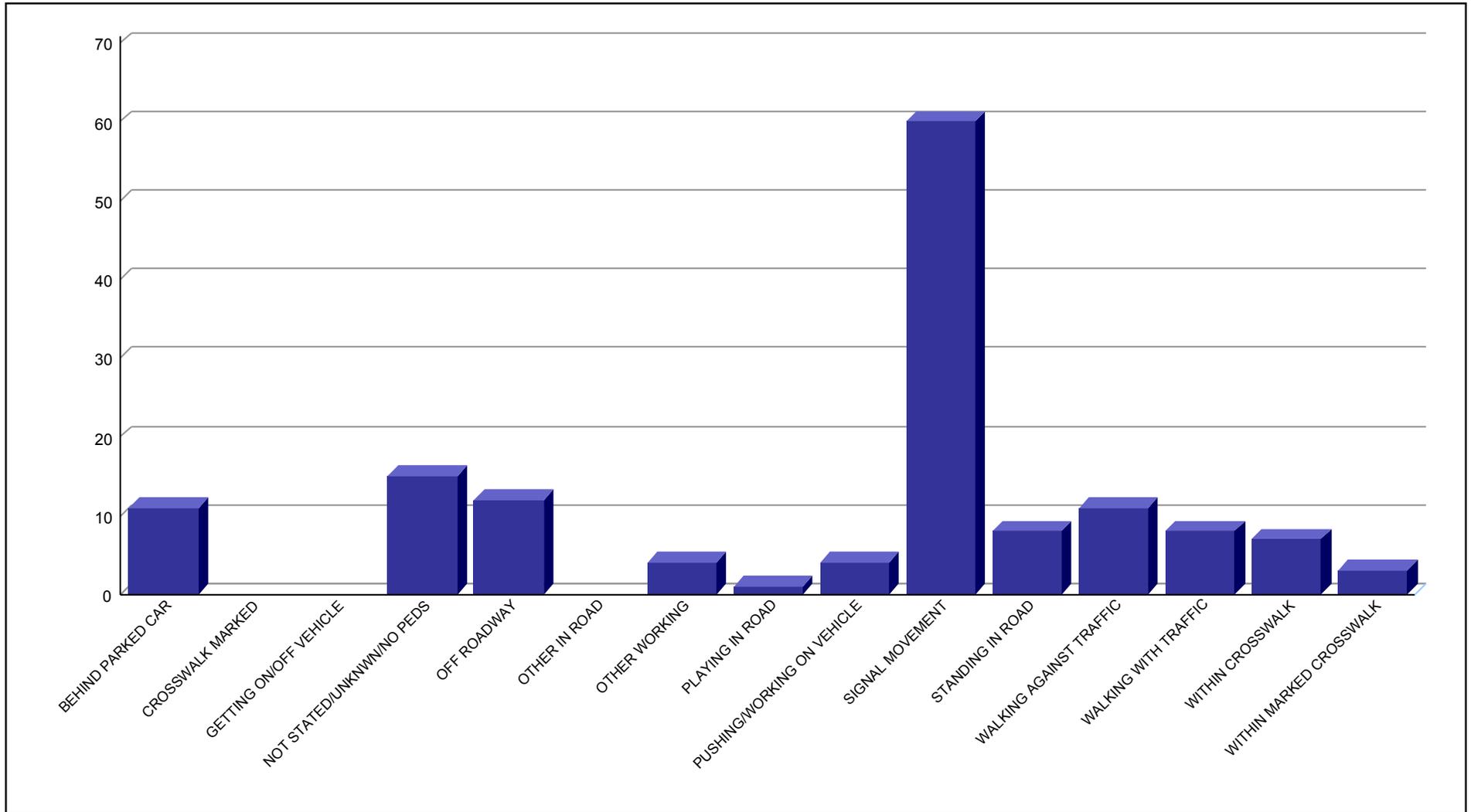


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Missouri Department of Transportation  
Transportation Planning  
Crashes by Pedestrian Maneuver by Light Condition for 2008  
144 Injuries in Day Condition

Date: Aug 17, 2009  
Time: 4:04:03 PM

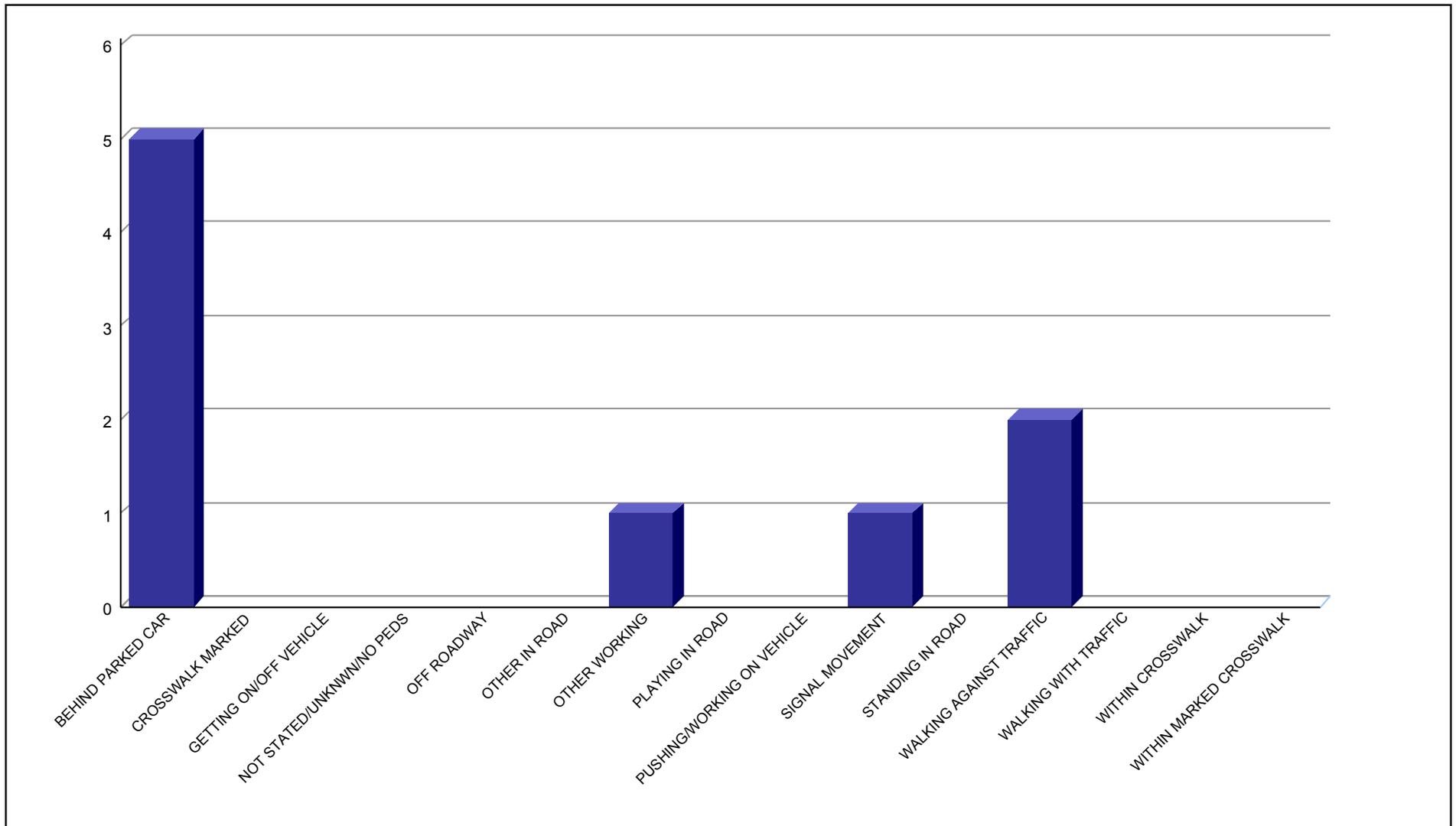


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Missouri Department of Transportation  
Transportation Planning  
*Crashes by Pedestrian Maneuver by Light Condition For 2008*  
9 Fatalities in Day Condition

Date: Aug 17, 2009  
Time: 11:21:34 AM

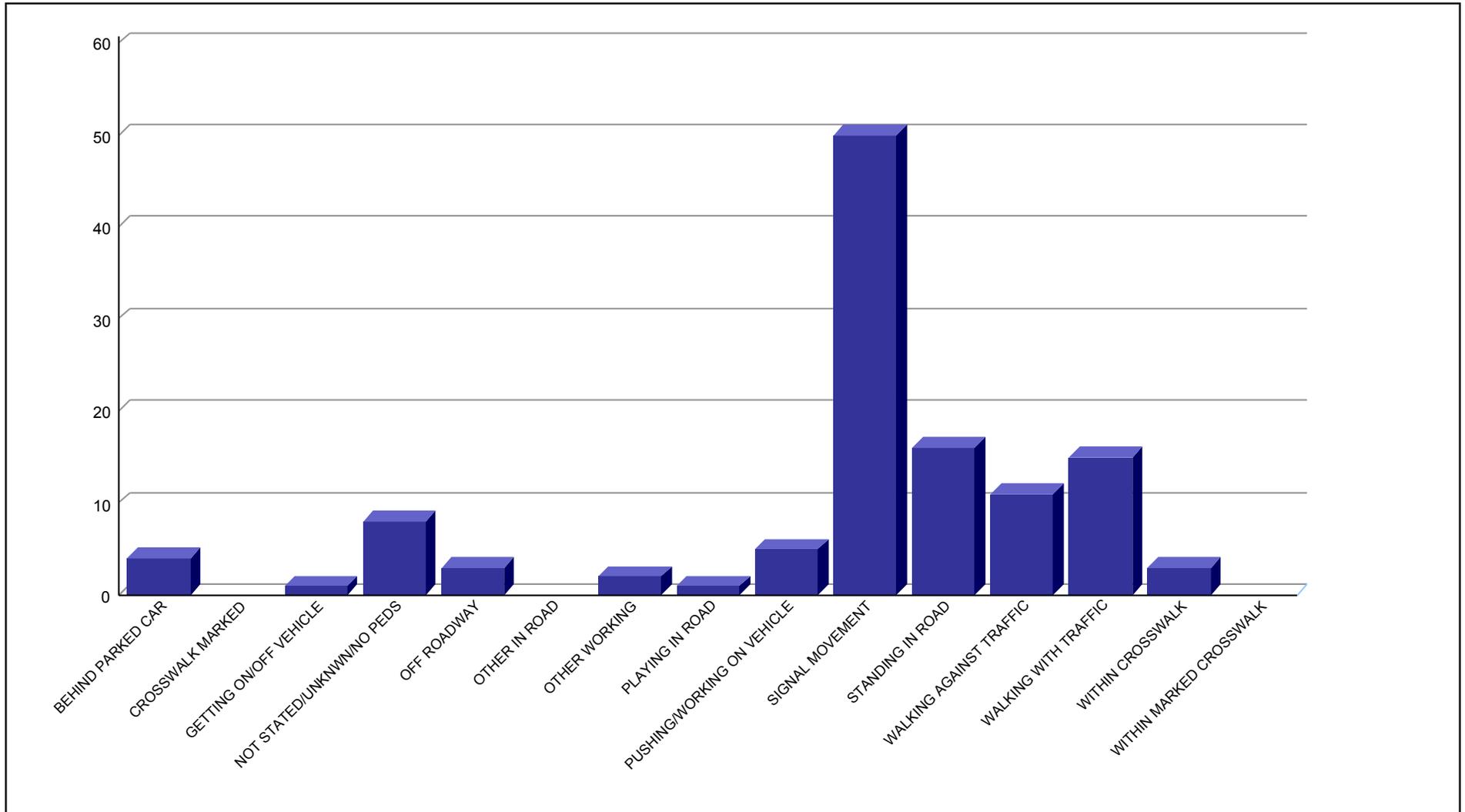


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Missouri Department of Transportation  
Transportation Planning  
Crashes by Pedestrian Maneuver by Light Condition For 2008  
119 Injuries in Dark Condition

Date: Aug 17, 2009  
Time: 11:27:35 AM

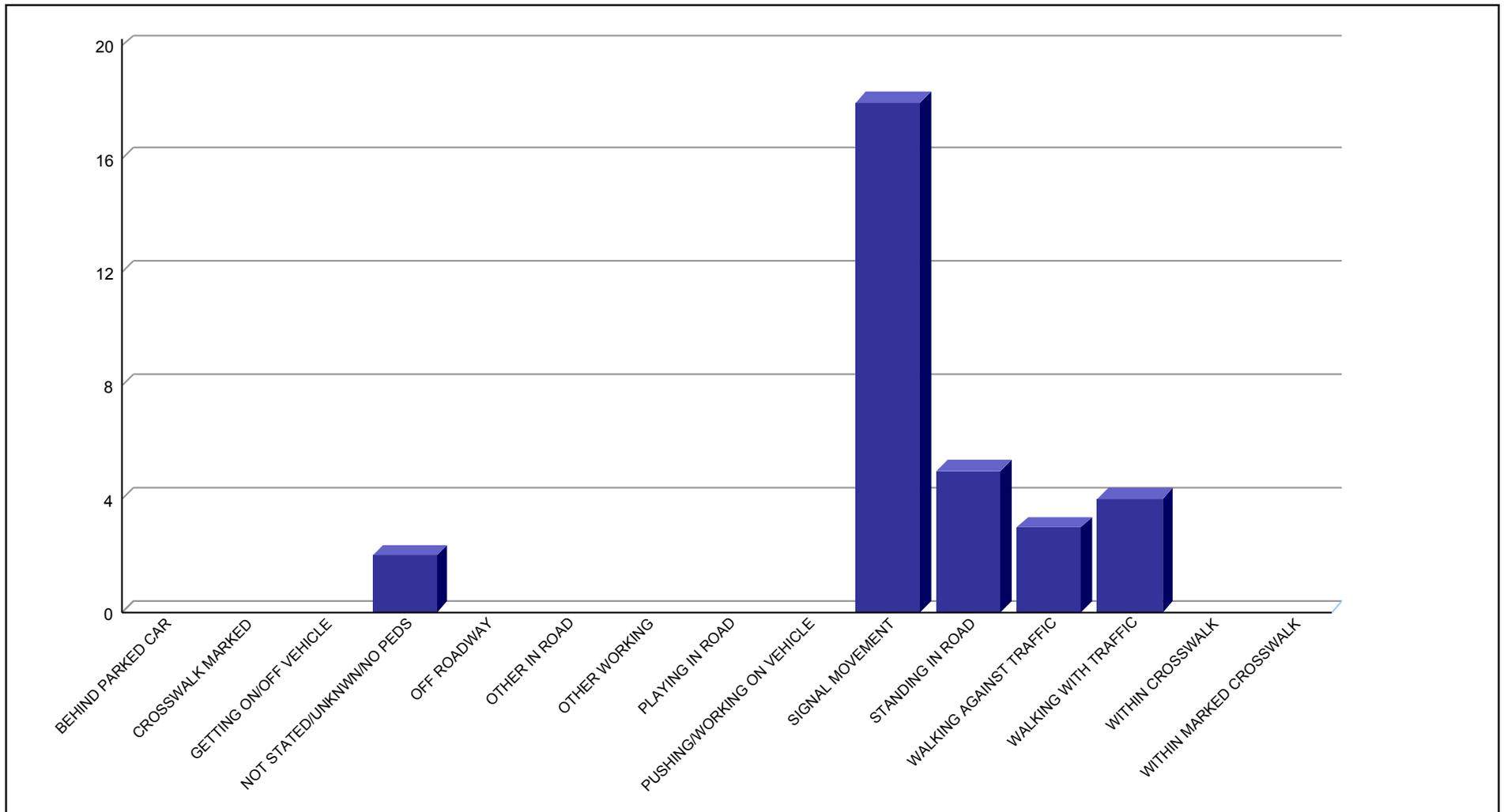


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Missouri Department of Transportation  
Transportation Planning  
Crashes by Pedestrian Maneuver by Light Condition For 2008  
32 Fatalities in Dark Condition

Date: Aug 13, 2009  
Time: 4:44:48 PM



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### **Chapter 1-N : CRASHES BY INVESTIGATOR**

Of the 77,048 crashes occurring on the State Highway System of Missouri in 2008, 37.1% were investigated by the State Highway Patrol and 62.9% were investigated by other agencies.

Of the 619 fatal crashes that occurred in 2008, 80.2% were investigated by the State Highway Patrol and 19.8% were investigated by local agencies.



**Missouri Department of Transportation  
Transportation Planning  
Crashes by Investigator for 2008**

Date: Aug 17, 2009  
Time: 4:08:37 PM

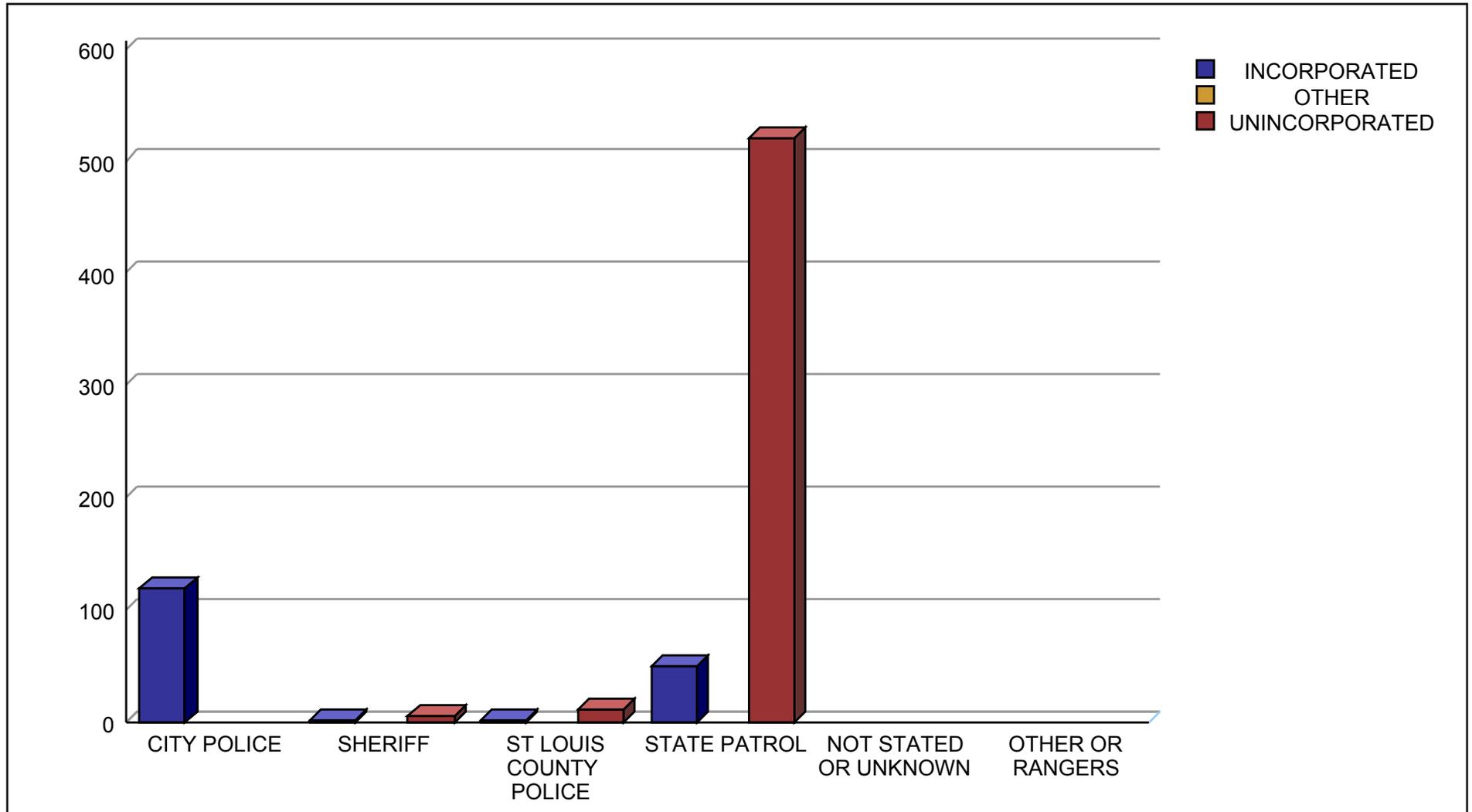
INVESTIGATOR	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
<b>UNINCORPORATED</b>						
UNINCORPORATED SHERIFF	5	5	610	807	1,646	2,261
UNINCORPORATED ST LOUIS COUNTY POLICE	11	11	751	1,059	2,327	3,089
UNINCORPORATED STATE PATROL	452	520	8,184	12,264	16,520	25,156
<b>INCORPORATED</b>						
INCORPORATED CITY POLICE	104	119	10,448	15,354	31,291	41,843
INCORPORATED SHERIFF	1	1	89	121	311	401
INCORPORATED ST LOUIS COUNTY POLICE	1	1	197	277	509	707
INCORPORATED STATE PATROL	45	49	748	1,104	2,659	3,452
<b>RANGER</b>						
OTHER OR RANGERS	0	0	28	41	111	139
<b>NOT STATED</b>						
NOT STATED OR UNKNOWN	0	0	0	0	0	0
<b>Totals</b>	<b>619</b>	<b>706</b>	<b>21,055</b>	<b>31,027</b>	<b>55,374</b>	<b>77,048</b>

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Missouri Department of Transportation  
Transportation Planning  
Fatal Crashes by Investigator Chart for 2008  
619 Fatal Crashes

Date: Aug 17, 2009  
Time: 4:09:55 PM

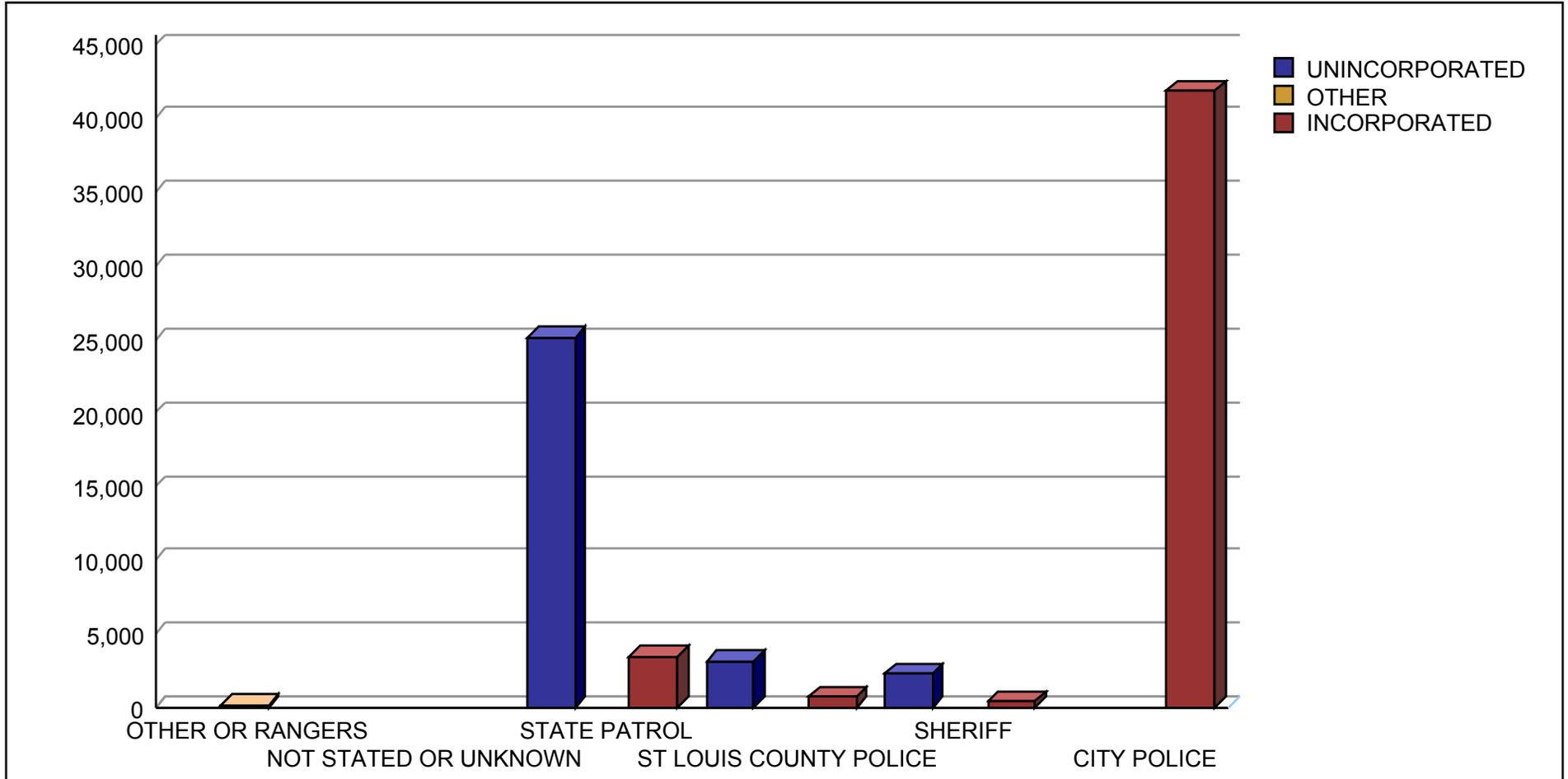


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Missouri Department of Transportation  
Transportation Planning  
Total Crashes by Investigator Chart for 2008  
77,048 Total Crashes

Date: Aug 17, 2009  
Time: 4:10:49 PM



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