

2007 Missouri State Highway System

7raffic Crash Statistics

Missouri Department of Transportation

#### Missouri State Highway System Traffic Crash Statistics Table of Contents

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#### Chapter 1

#### 2007 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 2007. 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 2007 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 2007

Date: Aug 25, 2008 Time: 7:40:32 AM

Crash Type	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
ACCIDENT TYPE OFF ROAD						
RAN OFF ROAD	12	14	100	196	215	327
RAN OFF ROAD-ANIMAL OTHER THAN DEER	0	0	1	1	1	2
RAN OFF ROAD-BICYCLIST OR PEDALCYCLIST	0	0	2	2	3	5
RAN OFF ROAD-DEER	0	0	2	2	11	13
RAN OFF ROAD-FIXED OBJECT	254	271	6,522	8,371	11,766	18,542
RAN OFF ROAD-MOTOR VEHICLE IN TRAFFIC	0	0	0	0	0	0
RAN OFF ROAD-OTHER OBJECT	3	4	27	31	79	109
RAN OFF ROAD-OTHER/NONCOLLISION	1	1	40	46	189	230
RAN OFF ROAD-OVERTURNED ON ROADWAY	0	0	0	0	0	0
RAN OFF ROAD-OVERTURNING	53	56	1,028	1,446	779	1,860
RAN OFF ROAD-PARKED MOTOR VEHICLE	0	0	145	200	646	791
RAN OFF ROAD-PEDESTRIAN	5	5	24	28	0	29
RAN OFF ROAD-RAILROAD TRAIN	0	0	2	3	1	3
Subtotal	328	351	7,893	10,326	13,690	21,911
ACCIDENT TYPE ON ROAD						
ANIMAL OTHER THAN DEER	0	0	102	125	567	669
BICYCLIST OR PEDALCYCLIST	2	2	56	59	79	137
CHAIN REACTION REAR END	14	17	1,907	3,483	2,832	4,753
DEER	3	3	238	304	2,580	2,821
FIXED OBJECT	14	15	169	221	413	596
MOTOR VEHICLE IN TRAFFIC	252	293	12,702	20,106	41,985	54,939
OTHER NON - COLLISION	7	7	74	96	449	530
OTHER OBJECT	1	1	65	81	809	875
OVERTURNED ON ROADWAY	29	31	469	624	219	717
OVERTURNING	0	0	0	0	0	0
PARKED MOTOR VEHICLE	1	1	22	38	72	95
PEDESTRIAN	42	42	226	240	21	289
RAILROAD TRAIN	1	1	6	9	7	14
RAN OFF ROAD-MOTOR VEHICLE ON OTHER ROAD	6	9	42	84	118	166
Subtotal	372	422	16,078	25,470	50,151	66,601



#### Missouri Department of Transportation Transportation Planning Crashes by Type for 2007

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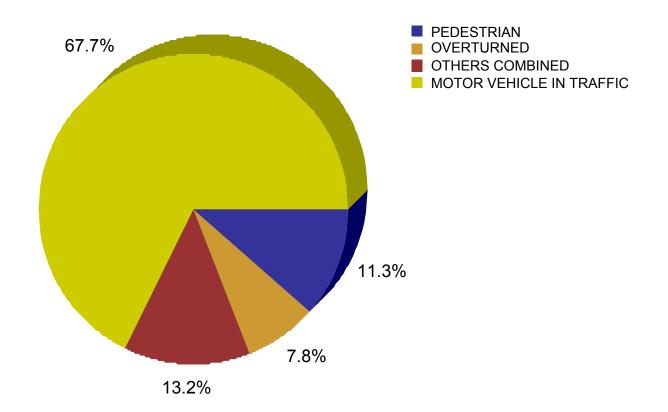
Crash Type	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
Totals	700	773	23,971	35,796	63,841	88,512



#### Missouri Department of Transportation Transportation Planning Crashes by Type for 2007 372 Fatal Crashes "ON" Roadway

Date: Aug 25, 2008 Time: 7:38:43 AM

Crash Type	Fatal Crashes
PEDESTRIAN	42
OVERTURNED	29
OTHERS COMBINED	49
MOTOR VEHICLE IN TRAFFIC	252

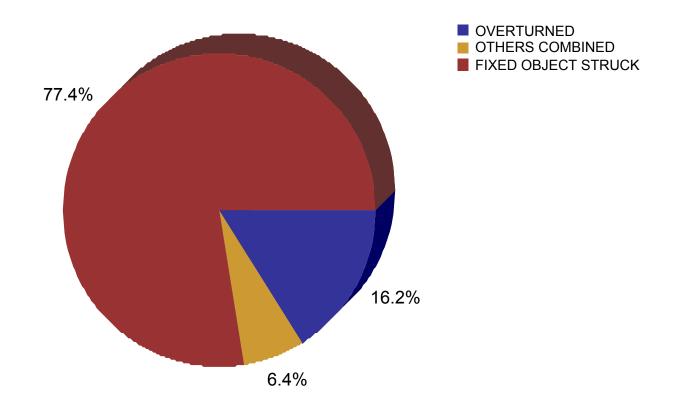




# Missouri Department of Transportation Transportation Planning Crashes by Type for 2007 328 Fatal Crashes "OFF" Roadway

Date : Aug 25, 2008 Time : 7:28:38 AM

Crash Type	Fatal Crashes
OVERTURNED	53
OTHERS COMBINED	21
FIXED OBJECT STRUCK	254

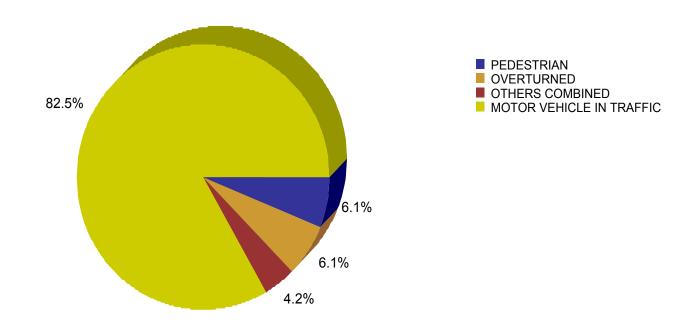




# Missouri Department of Transportation Transportation Planning Crashes by Type for 2007 66,601 Total Crashes "ON" Roadway

Date: Aug 25, 2008 Time: 7:35:23 AM

Crash Type	Total Crashes
CHAIN REACTION REAR END	4,753
DEER	2,821
MOTOR VEHICLE IN TRAFFIC	54,939
OTHERS COMBINED	4,088

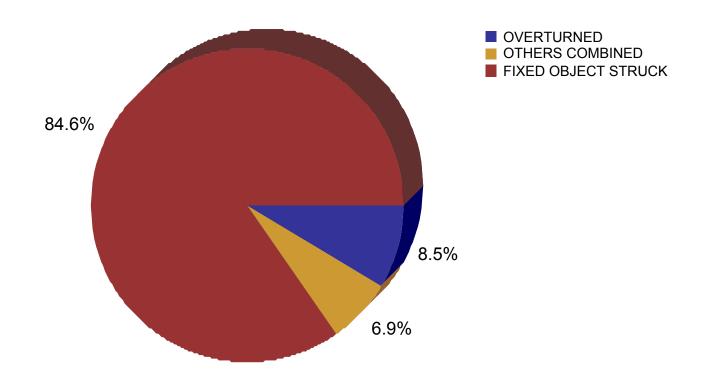




#### Missouri Department of Transportation Transportation Planning Crashes by Type for 2007 21,911 Total Crashes "OFF" Roadway

Date:	Aug 25, 2008	
Time	e: 7:34:03 AM	

Crash Type	Total Crashes
OVERTURNED	1,860
OTHERS COMBINED	1,509
FIXED OBJECT STRUCK	18,542



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

This section deals with the circumstances that contributed to crashes in 2007. 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 2007

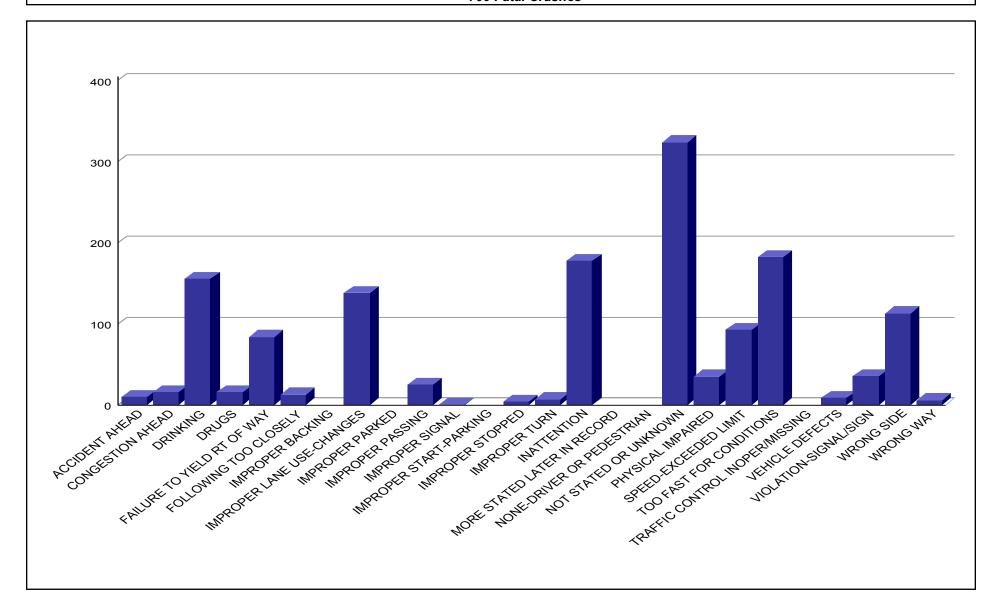
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Contributing Circumstance	Fatal Crashes	Injury Crashes	PDO Crashes	Total Crashes
ACCIDENT AHEAD	10	422	1,126	1,558
CONGESTION AHEAD	16	2,664	8,026	10,706
DRINKING	156	1,913	1,908	3,977
DRUGS	16	298	265	579
FAILURE TO YIELD RT OF WAY	84	4,069	8,668	12,821
FOLLOWING TOO CLOSELY	13	3,936	13,019	16,968
IMPROPER BACKING	0	31	881	912
IMPROPER LANE USE-CHANGES	138	2,620	7,117	9,875
IMPROPER PARKED	0	13	38	51
IMPROPER PASSING	25	331	894	1,250
IMPROPER SIGNAL	1	48	115	164
IMPROPER START-PARKING	0	27	101	128
IMPROPER STOPPED	4	116	317	437
IMPROPER TURN	7	571	1,754	2,332
INATTENTION	178	6,835	17,326	24,339
MORE STATED LATER IN RECORD	0	0	0	0
NONE-DRIVER OR PEDESTRIAN	0	0	0	0
NOT STATED OR UNKNOWN	324	13,251	41,750	55,325
PHYSICAL IMPAIRED	35	928	964	1,927
SPEED-EXCEEDED LIMIT	93	736	751	1,580
TOO FAST FOR CONDITIONS	182	5,280	10,775	16,237
TRAFFIC CONTROL INOPER/MISSING	0	25	57	82
VEHICLE DEFECTS	9	603	2,049	2,661
VIOLATION-SIGNAL/SIGN	36	1,168	1,689	2,893
WRONG SIDE	113	753	800	1,666
WRONG WAY	6	52	57	115
Totals	1,446	46,690	120,447	168,583
IN ACCIDENTS	700	23,971	63,841	88,512
FOR DRIVERS	1,069	42,479	113,479	157,026



# Missouri Department of Transportation Transportation Planning Fatal Crashes by Contributing Circumstances for 2007 1,069 Drivers Involved In 700 Fatal Crashes

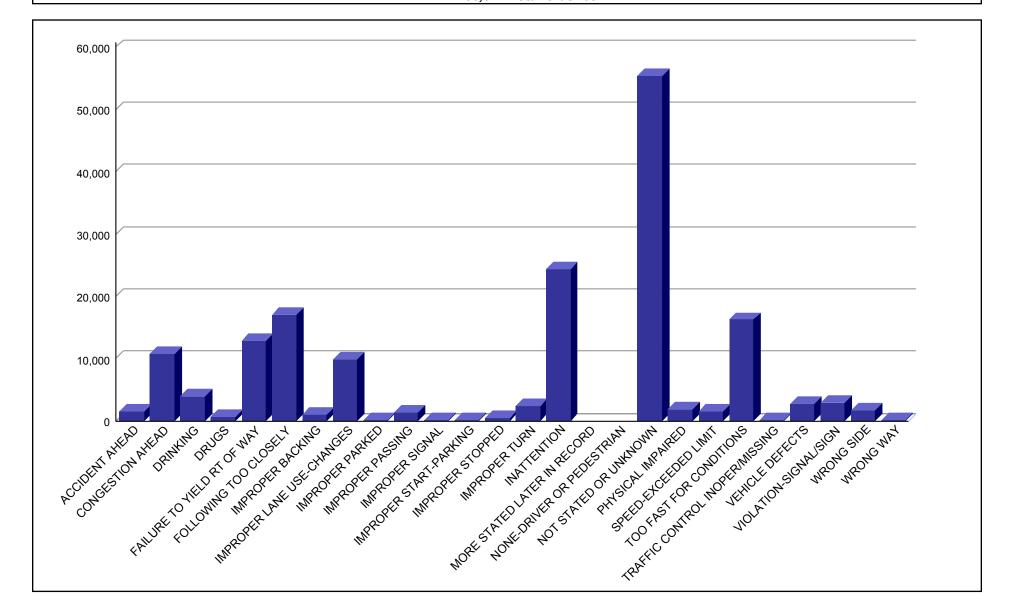
Date: Aug 25, 2008 Time: 7:43:29 AM





# Missouri Department of Transportation Transportation Planning Total Crashes by Contributing Circumstances for 2007 157,026 Drivers Involved In 88.512 Total Crashes

Date: Aug 25, 2008 Time: 7:44:48 AM



#### <u>Chapter 1-C: CRASHES BY POPULATION GROUPING</u>

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 2007

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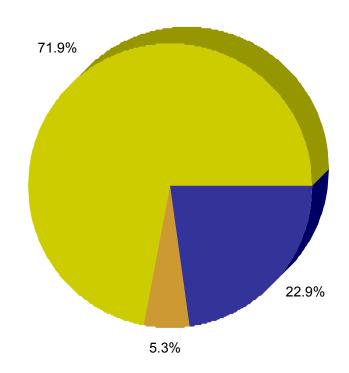
Population Grouping	Fatal Crashes	Injury Crashes	PDO Crashes	Total Crashes
METROPOLITAN	0	0	0	0
RURAL	503	9,344	18,688	28,535
UNDESIGNATED	0	0	0	0
URBAN	37	2,713	8,994	11,744
URBANIZED	160	11,914	36,159	48,233
Totals	700	23,971	63,841	88,512



### Missouri Department of Transportation Transportation Planning Crashes by Population Grouping for 2007 700 Fatal Crashes

Date: Aug 25, 2008 Time: 7:47:24 AM

Population Grouping	Total Fatal Crashes
URBANIZED	160
URBAN	37
UNDESIGNATED	0
RURAL	503
METROPOLITAN	0



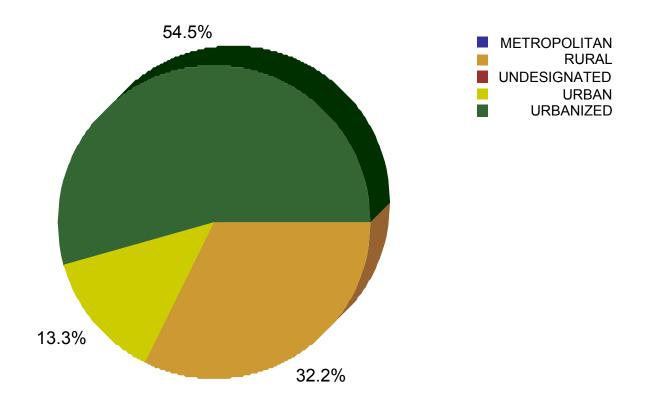
URBANIZED
URBAN
UNDESIGNATED
RURAL
METROPOLITAN



#### Missouri Department of Transportation Transportation Planning Crashes by Population Grouping for Year 2007 88,512 Total Crashes

Date: Aug 25, 2008 Time: 7:58:22 AM

Population Grouping	Total Crashes
METROPOLITAN	0
RURAL	28,535
UNDESIGNATED	0
URBAN	11,744
URBANIZED	48,233



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

In 2007, 0.79% of all crashes occurring on the Missouri Highway System resulted in a fatality and 27.08% resulted in an injury. This section separates these total crashes according to the route marking of the highways on which they occurred. In 2006, 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 2007

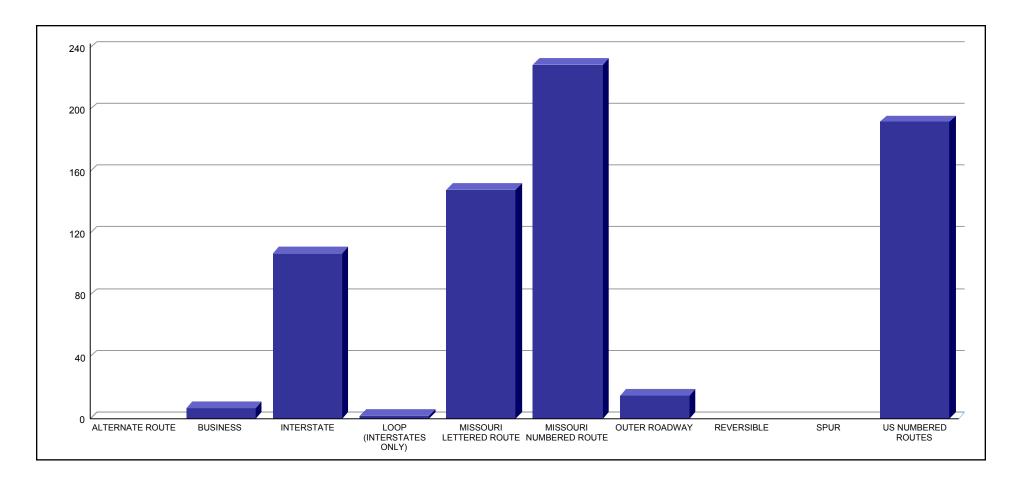
Time: 7:59:38 AM Date: Aug 25, 2008

Route Marking Designation	Fatal Crashes	<b>Total Fatalities</b>	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
ALTERNATE ROUTE	0	0	0	0	0	0
BUSINESS	7	7	801	1,254	2,121	2,929
INTERSTATE	107	117	4,631	6,608	15,646	20,384
LOOP (INTERSTATES ONLY)	2	2	249	370	675	926
MISSOURI LETTERED ROUTE	148	159	4,666	6,733	9,642	14,456
MISSOURI NUMBERED ROUTE	229	257	7,878	11,884	20,344	28,451
OUTER ROADWAY	15	15	644	988	1,891	2,550
REVERSIBLE	0	0	0	0	1	1
SPUR	0	0	25	37	120	145
US NUMBERED ROUTES	192	216	5,077	7,922	13,401	18,670
Totals	700	773	23,971	35,796	63,841	88,512



#### Missouri Department of Transportation Transportation Planning Fatal Crashes by Route Marking for 2007 700 Fatal Crashes

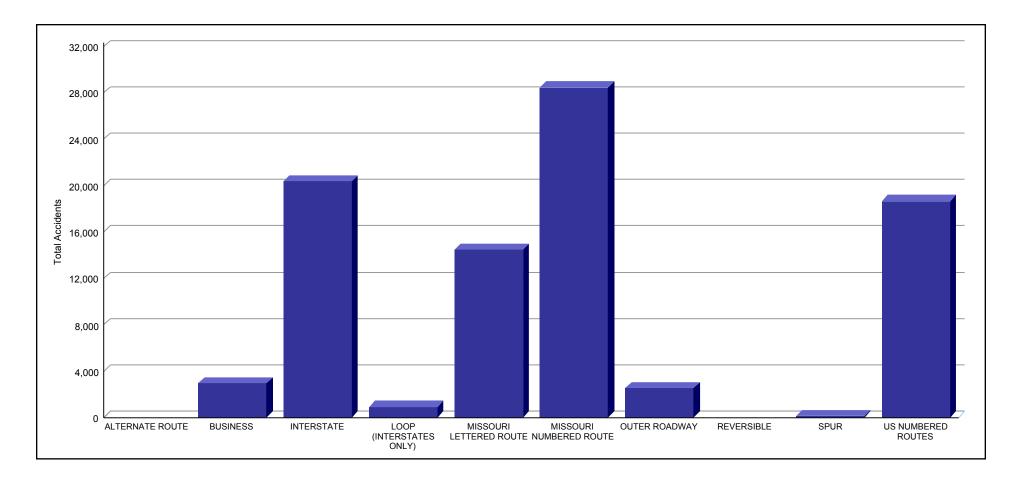
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#### Missouri Department of Transportation Transportation Planning Crashes by Route Marking for 2007 88,512 Total Crashes

Date: Aug 25, 2008 Time: 8:01:41 AM



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

Out of Control crashes accounted for 38.6% of the fatal crashes for 2007. These crashes represented 24.5% of the total crashes. Rear end crashes accounted for the majority of the total crashes at 35.4%



#### Missouri Department of Transportation Transportation Planning Crashes by Class for 2007

Date : Aug 25, 2008 Time: 8:02:43 AM

Crash Class	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
ANIMAL OTHER THAN DEER	0	0	103	126	568	671
AVOIDING	1	1	235	331	292	528
BACKING	1	1	41	54	986	1,028
CHANGING LANE	5	5	249	369	1,157	1,411
CROSS MEDIAN	6	7	28	45	16	50
DEER	3	3	240	306	2,591	2,834
DUAL LEFTS COLLIDE	0	0	7	13	144	151
DUAL RIGHTS COLLIDE	0	0	3	3	89	92
FIXED OBJECT	14	15	169	221	413	596
HEAD ON	124	152	736	1,762	451	1,311
JACKKNIFE	0	0	0	0	1	1
LEFT TURN	12	13	1,612	2,728	2,872	4,496
LEFT TURN RIGHT ANGLE COLLISION	14	15	1,390	2,284	3,258	4,662
OTHER	14	16	274	346	2,644	2,932
OUT OF CONTROL	342	366	8,066	10,552	13,283	21,691
PARKING OR PARKED CAR	1	1	167	238	721	889
PASSING	9	9	668	969	5,406	6,083
PEDALCYCLE	2	2	58	61	82	142
PEDESTRIAN	47	47	250	268	22	319
REAR END	41	47	7,507	11,294	23,830	31,378
RIGHT ANGLE	52	59	1,568	2,861	2,453	4,073
RIGHT TURN	1	1	65	91	366	432
RIGHT TURN RIGHT ANGLE COLLISION	1	1	175	273	1,053	1,229
SIDESWIPE	8	10	269	445	964	1,241
TOWED UNIT DISCONNECTS	0	0	3	3	6	9
U - TURN	2	2	87	151	173	262
WRONG WAY ON DIVIDED HIGHWAY	0	0	1	2	0	1
Totals	700	773	23,971	35,796	63,841	88,512

#### 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 2007

Date: Aug 25, 2008 Time: 8:05:43 AM

Driver Age Group	Fatal Crashes	Injury Crashes	PDO Crashes	Total Crashes
15 & Under	2	76	133	211
16-20	109	6,097	15,243	21,449
21-25	117	5,730	14,611	20,458
26-30	83	4,528	11,881	16,492
31-35	83	3,555	9,471	13,109
36-40	101	3,593	9,772	13,466
41-45	101	3,767	9,680	13,548
46-50	123	3,723	9,496	13,342
51-55	83	2,999	7,886	10,968
56-60	74	2,493	6,464	9,031
61-65	48	1,739	4,422	6,209
66-70	30	1,130	3,041	4,201
71 & Over	104	2,298	6,267	8,669
Not Stated or Unknown	10	751	5,112	5,873
TOTALS	1,068	42,479	113,479	157,026

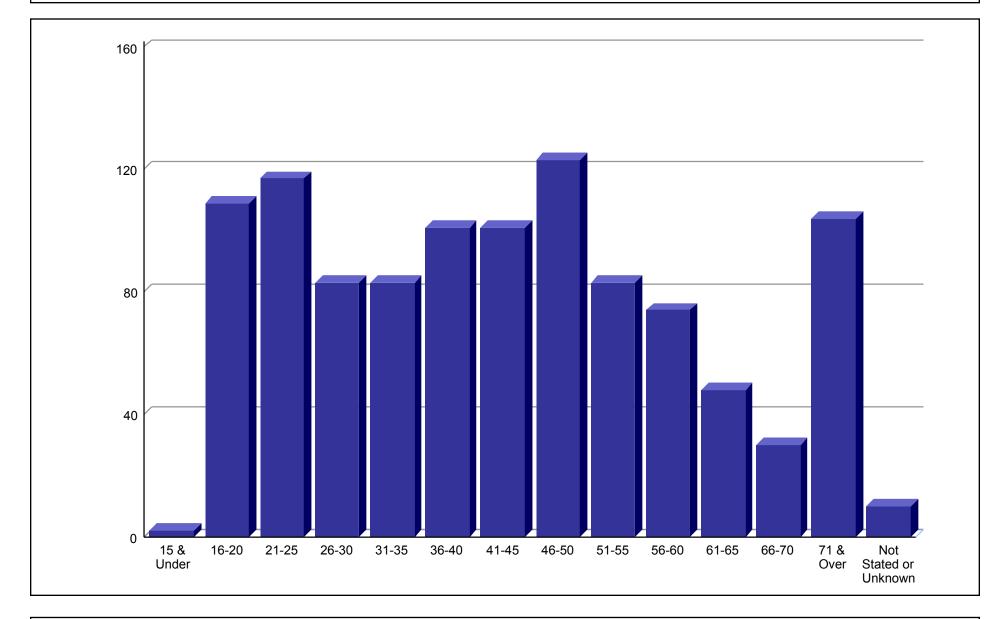
#### Missouri Department of Transportation Transportation Planning Crash Statistics by Driver Age for Year 2007

Date: Aug 25, 2008 Time: 8:03:56 AM

Driver Age Group	Driver Totals	% of Total Drivers	# Drivers In Crashes	% Drivers Involved in Crashes
16 - 20	334,807	7.47%	21,449	13.68%
21 - 25	400,796	8.95%	20,458	13.05%
26 - 30	404,614	9.03%	16,492	10.52%
31 - 35	376,153	8.40%	13,109	8.36%
36 - 40	399,319	8.91%	13,466	8.59%
41 - 45	437,801	9.77%	13,548	8.64%
46 - 50	453,470	10.12%	13,342	8.51%
51-55	401,073	8.95%	10,968	6.99%
56 - 60	353,292	7.89%	9,031	5.76%
61 - 65	262,221	5.85%	6,209	3.96%
66 - 70	204,081	4.56%	4,201	2.68%
71 & Over	451,589	10.08%	8,669	5.53%
Not Stated or Unknown	970	0.02%	5,873	3.75%



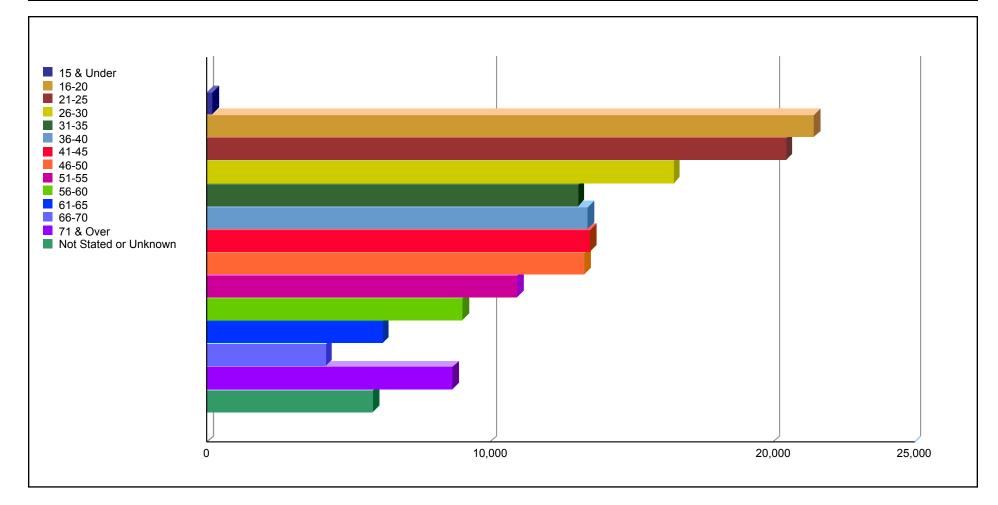
Missouri Department of Transportation Transportation Planning Fatal Crashes by Drivers Age for 2007 1,069 Drivers Involved In 700 Fatal Crashes Date: Aug 25, 2008 Time: 8:06:47 AM





# Missouri Department of Transportation Transportation Planning Total Crashes by Drivers Age for 2007 157,026 Drivers Involved in 88,512 Total Crashes

Date: Aug 25, 2008 Time: 8:07:47 AM



#### 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 3:00 p.m. to 4:00 p.m. was the hour of the highest percentage of fatal crashes during 2007.

Saturday was the day with the largest percentage of fatal crashes at 14.68% and Friday accounted for the highest percentage of total crashes at 18.56%.

May had the largest number of fatal crashes in 2007. October had the largest number of injury crashes and December the largest number of total crashes in 2007.



#### Missouri Department of Transportation Transportation Planning Crashes by Time of Day for 2007

Date: Aug 25, 2008 Time: 8:14:57 AM

Time of Day	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
12:00M - 12:59 AM	36	45	437	654	915	1,388
1:00 - 1:59 AM	30	31	451	639	894	1,375
2:00 - 2:59 AM	28	29	306	420	596	930
3:00 - 3:59 AM	16	16	277	408	559	852
4:00 - 4:59 AM	18	20	208	276	514	740
5:00 - 5:59 AM	23	26	372	473	913	1,308
6:00 - 6:59 AM	22	23	691	924	1,956	2,669
7:00 - 7:59 AM	31	31	1,234	1,756	3,836	5,101
8:00 - 8:59 AM	19	23	988	1,408	3,099	4,106
9:00 - 9:59 AM	16	20	878	1,183	2,414	3,308
10:00 - 10:59 AM	23	23	1,033	1,549	2,643	3,699
11:00 - 11:59 AM	35	42	1,261	1,892	3,216	4,512
12:00N - 12:59 PM	27	36	1,444	2,142	3,945	5,416
1:00 - 1:59 PM	36	40	1,423	2,208	3,834	5,293
2:00 - 2:59 PM	32	36	1,577	2,369	4,156	5,765
3:00 - 3:59 PM	45	51	2,060	3,199	5,518	7,623
4:00 - 4:59 PM	42	46	1,996	3,080	5,679	7,717
5:00 - 5:59 PM	34	35	2,056	3,136	5,850	7,940
6:00 - 6:59 PM	26	29	1,401	2,169	3,823	5,250
7:00 - 7:59 PM	25	28	969	1,547	2,497	3,491
8:00 - 8:59 PM	37	40	840	1,277	2,092	2,969
9:00 - 9:59 PM	28	29	789	1,205	1,858	2,675
10:00 - 10:59 PM	42	44	668	998	1,539	2,249
11:00 - 11:59 PM	23	24	560	821	1,159	1,742
NOT STATED	6	6	52	63	336	394
Totals	700	773	23,971	35,796	63,841	88,512



#### Missouri Department of Transportation Transportation Planning Crashes by Day of Week for 2007

Date: Aug 25, 2008 Time: 8:10:12 AM

Day of Week	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
MONDAY	96	107	3,218	4,733	8,919	12,233
TUESDAY	60	61	3,367	4,870	9,161	12,588
WEDNESDAY	93	101	3,407	4,980	9,769	13,269
THURSDAY	104	116	3,536	5,154	9,723	13,363
FRIDAY	119	126	4,382	6,539	11,927	16,428
SATURDAY	130	146	3,433	5,389	8,582	12,145
SUNDAY	98	116	2,628	4,131	5,760	8,486
UNKNOWN	0	0	0	0	0	0
Totals	700	773	23,971	35,796	63,841	88,512



#### Missouri Department of Transportation Transportation Planning Crashes by Month for 2007

Date: Aug 25, 2008 Time: 8:13:53 AM

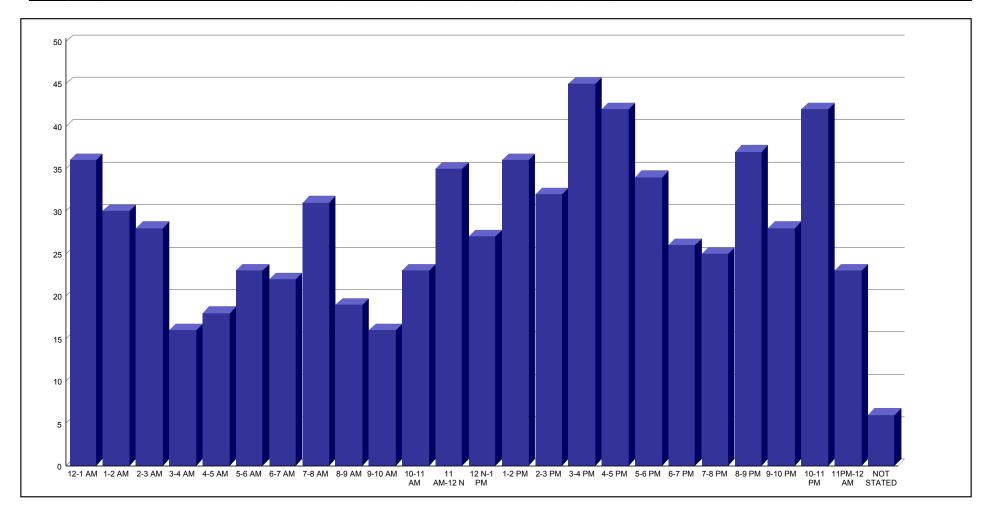
Month	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
JANUARY	53	60	1,959	2,800	6,043	8,055
FEBRUARY	41	43	1,722	2,551	5,029	6,792
MARCH	66	72	1,895	2,860	4,891	6,852
APRIL	46	46	1,891	2,807	4,688	6,625
MAY	71	82	2,039	3,149	5,222	7,332
JUNE	57	66	1,993	2,945	5,055	7,105
JULY	66	70	2,030	3,085	4,596	6,692
AUGUST	61	69	2,127	3,220	5,283	7,471
SEPTEMBER	65	72	2,049	3,087	4,876	6,990
OCTOBER	61	66	2,170	3,276	5,828	8,059
NOVEMBER	64	73	1,965	2,893	5,644	7,673
DECEMBER	49	54	2,131	3,123	6,686	8,866
Totals	700	773	23,971	35,796	63,841	88,512

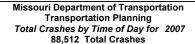


#### Missouri Department of Transportation Transportation Planning Fatal Crashes by Time of Day for 2007 700 Fatal Crashes

Date: Aug 25, 2008 Time: 8:17:42 AM

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
36	30	28	16	18	23	22	31	19	16	23	35	27	36	32	45	42	34	26	25	37	28	42	23	6

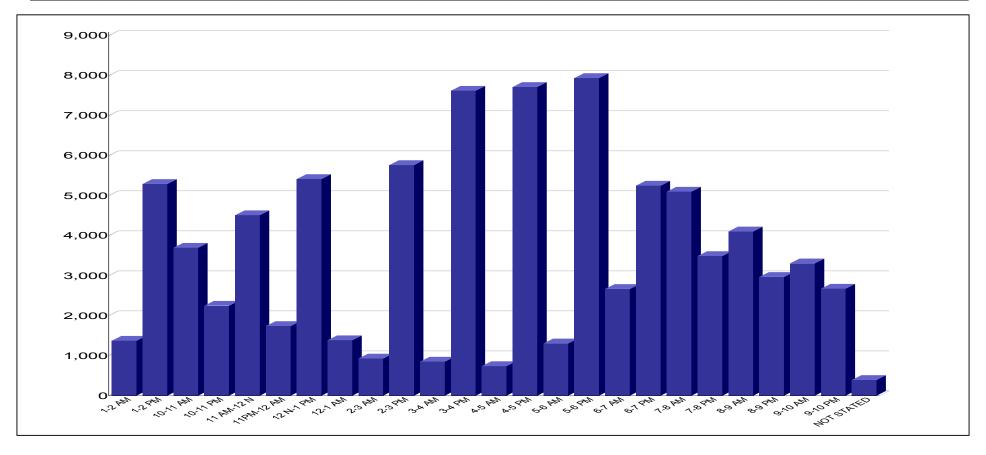






Date: Aug 25, 2008 Time: 8:20:05 AM

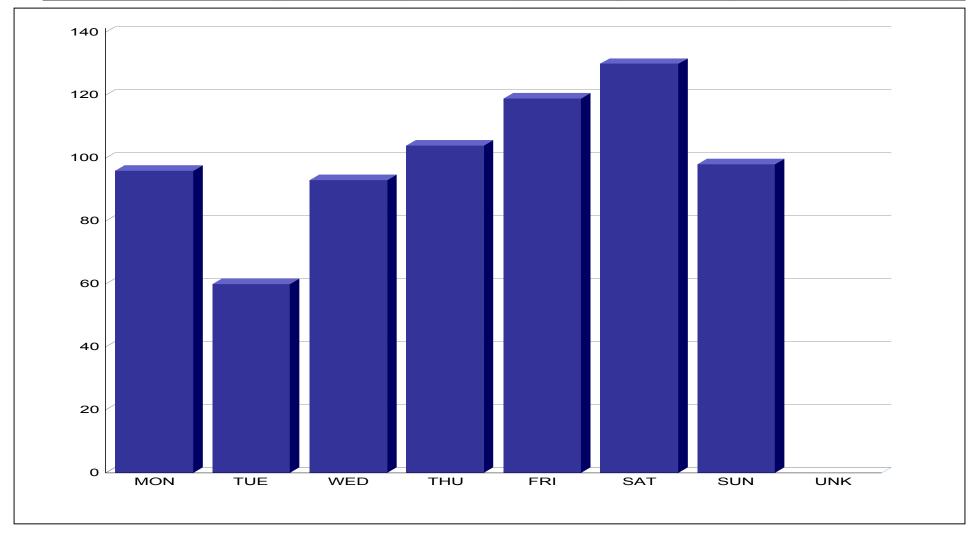
12-1 AM	1-2 AM	2-3 AM	3-4 AM	4-5 AM	5-6 AM	6-7 AM	7-8 AM	8-9 AM	9-10 AM	10-11 AM	11 AM-12 N	12 N-1 PM	1-2 PM	2-3 PM	3-4 PM	4-5 PM	5-6 PM	6-7 PM	7-8 PM	8-9 PM	9-10 PM	10-11 PM	11PM-12 AM	NOT STATED
1,388	1,375	930	852	740	1,308	2,669	5,101	4,106	3,308	3,699	4,512	5,416	5,293	5,765	7,623	7,717	7,940	5,250	3,491	2,969	2,675	2,249	1,742	394





#### Missouri Department of Transportation Transportation Planning Fatal Crashes by Day of Week for 2007 700 Fatal Crashes

MON	TUE	WED	THU	FRI	SAT	SUN	UNK
96	60	93	104	119	130	98	0

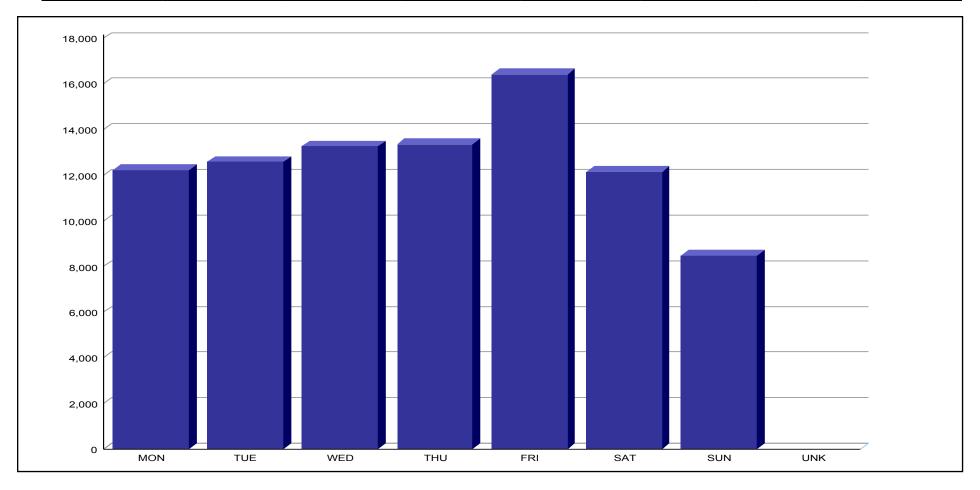




#### Missouri Department of Transportation Transportation Planning Total Crashes by Day of Week for 2007 88,512 Total Crashes

Date: Aug 25, 2008 Time: 8:18:39 AM

MON	TUE	WED	THU	FRI	SAT	SUN	UNK
12,233	12,588	13,269	13,363	16,428	12,145	8,486	0

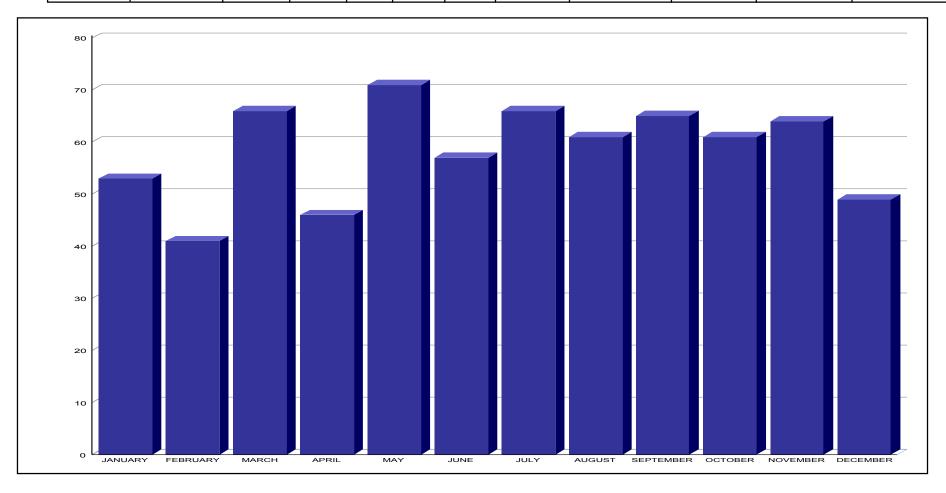




#### Missouri Department of Transportation Transportation Planning Fatal Crashes by Month For 2007 700 Fatal Crashes

Date: Aug 25, 2008 Time: 8:16:55 AM

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
ſ	53	41	66	46	71	57	66	61	65	61	64	49

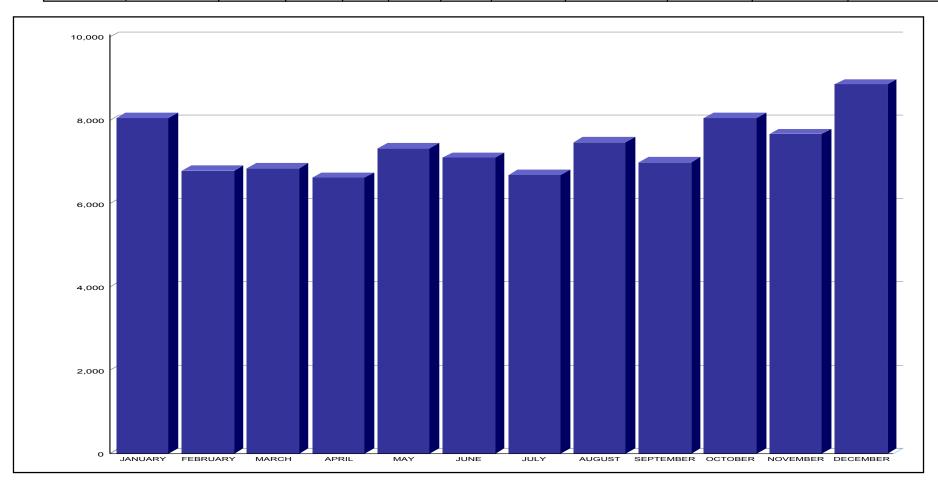




#### Missouri Department of Transportation Transportation Planning Total Crashes by Month For 2007 88,512 Total Crashes

Date: Aug 25, 2008 Time: 8:19:23 AM

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
ſ	8055	6792	6852	6625	7332	7105	6692	7471	6990	8059	7673	8866



### <u>Chapter 1-H : CRASHES BY WEATHER CONDITION</u>

The examination of weather conditions reveals that, in 2007, a majority of fatal, injury and total crashes occurred under ideal weather conditions.



#### Missouri Department of Transportation Transportation Planning Crashes by Weather Condition for 2007

Date: Aug 25, 2008 Time: 8:21:12 AM

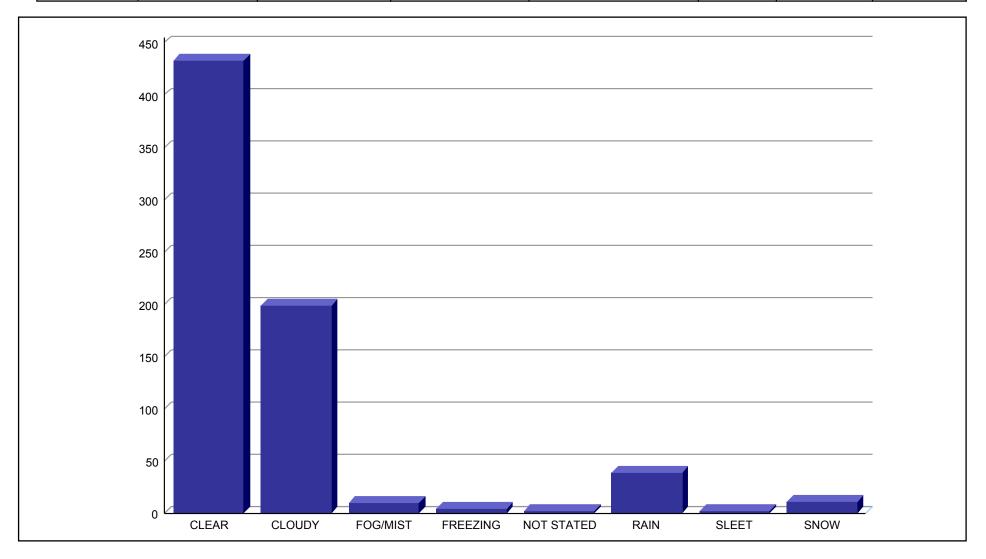
Weather Condition	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
CLEAR	433	477	14,294	21,470	36,690	51,417
CLOUDY	199	219	6,801	10,221	16,606	23,606
FOG/MIST	10	11	169	243	354	533
FREEZING	4	5	149	223	427	580
NOT STATED	2	3	78	102	2,037	2,117
RAIN	39	45	1,575	2,290	4,606	6,220
SLEET	2	2	183	238	519	704
SNOW	11	11	722	1,009	2,602	3,335
Totals	700	773	23,971	35,796	63,841	88,512



# Missouri Department of Transportation Transportation Planning Fatal Crashes by Weather Condition for 2007 700 Fatal Crashes

Date: Aug 25, 2008 Time: 8:22:34 AM

	CLEAR	CLOUDY	FOG/MIST	FREEZING	NOT STATED	RAIN	SLEET	SNOW
Ī	433	199	10	4	2	39	2	11

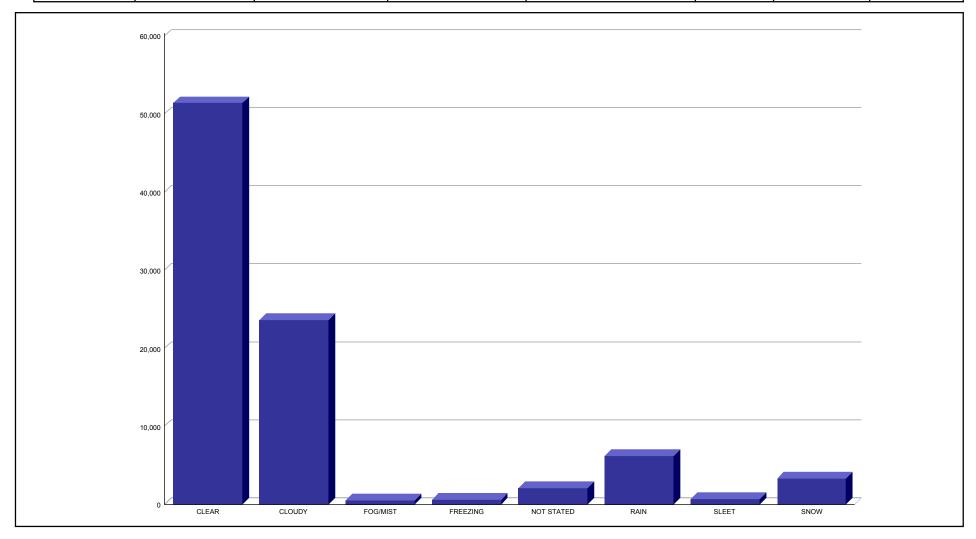




# Missouri Department of Transportation Transportation Planning Total Crashes by Weather Condition for 2007 88,512 Total Crashes

Date: Aug 25, 2008 Time: 8:23:12 AM

CLEAR	CLOUDY	FOG/MIST	FREEZING	NOT STATED	RAIN	SLEET	SNOW
51,417	23,606	533	580	2,117	6,220	704	3,335



### 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 2007, the percent of passenger cars involved in fatal crashes was 0.06%. For motorcycles, the percentage was 4.09%.



#### Missouri Department of Transportation Transportation Planning Crashes by Vehicle Type for 2007

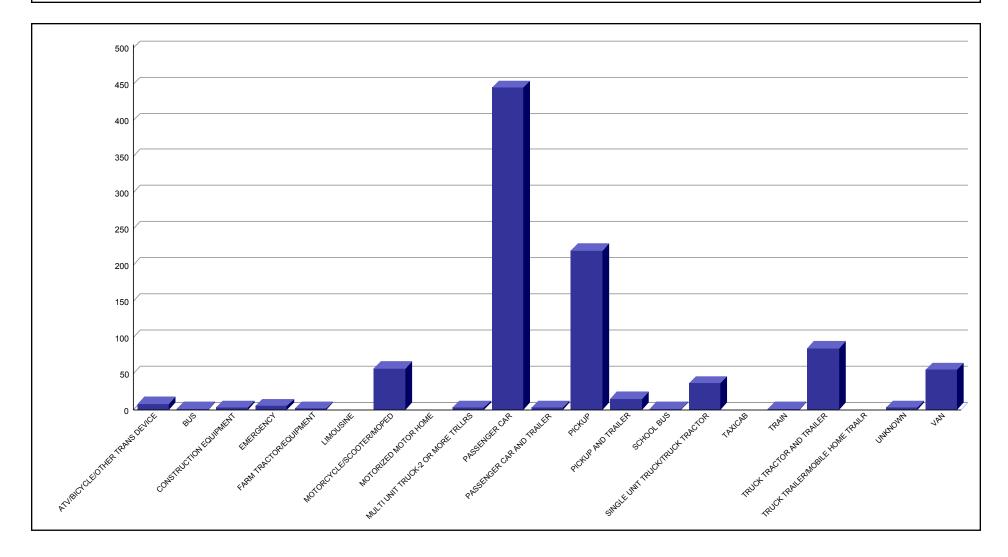
Date: Aug 25, 2008 Time: 8:25:42 AM

Vehicle Type	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
ATV/BICYCLE/OTHER TRANS DEVICE	8	10	168	217	485	661
BUS	1	1	49	169	141	191
CONSTRUCTION EQUIPMENT	3	3	11	17	54	68
EMERGENCY	5	6	167	279	696	868
FARM TRACTOR/EQUIPMENT	2	2	36	49	90	128
LIMOUSINE	0	0	7	13	24	31
MOTORCYCLE/SCOOTER/MOPED	57	61	1,098	1,306	240	1,395
MOTORIZED MOTOR HOME	0	0	24	42	81	105
MULTI UNIT TRUCK-2 OR MORE TRLLRS	3	4	46	64	139	188
PASSENGER CAR	445	496	19,312	29,462	52,398	72,155
PASSENGER CAR AND TRAILER	3	3	63	128	184	250
PICKUP	220	246	6,429	9,994	17,731	24,380
PICKUP AND TRAILER	15	16	315	519	1,196	1,526
SCHOOL BUS	1	1	62	237	196	259
SINGLE UNIT TRUCK/TRUCK TRACTOR	37	38	674	983	2,359	3,070
TAXICAB	0	0	0	0	0	0
TRAIN	1	1	8	12	8	17
TRUCK TRACTOR AND TRAILER	85	98	1,128	1,630	3,839	5,052
TRUCK TRAILER/MOBILE HOME TRAILR	0	0	0	0	0	0
UNKNOWN	3	3	112	162	689	804
VAN	55	68	2,774	4,653	7,390	10,219
Totals	944	1,057	32,483	49,936	87,940	121,367



# Missouri Department of Transportation Transportation Planning Fatal Crashes by Vehicle Type for Year 2007 944 Vehicles in Fatal Crashes

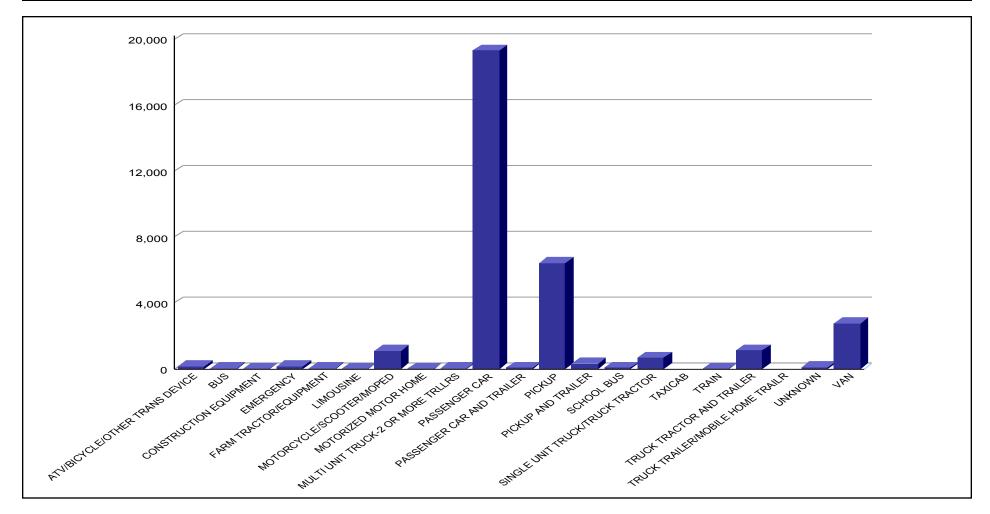
Date: Aug 25, 2008 Time: 8:26:33 AM





#### Missouri Department of Transportation Transportation Planning Injury Crashes by Vehicle Type For 2007 32,483 Vehicles in Injury Crashes

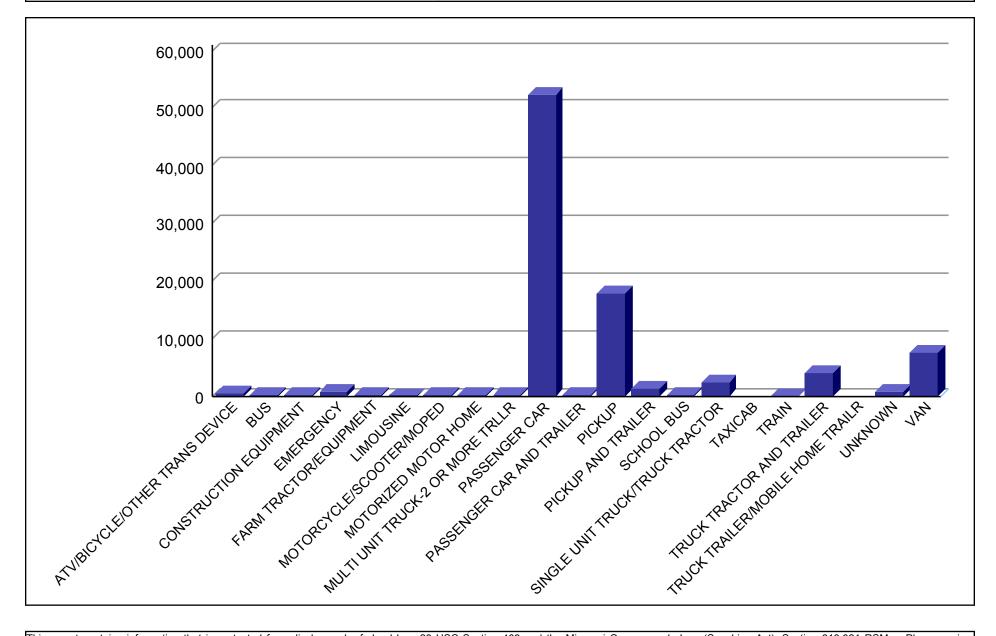
Date: Aug 25, 2008 Time: 8:27:25 AM





#### Missouri Department of Transportation Transportation Planning PDO Crashes by Vehicle Type for 2007 87,940 Vehicles in PDO Crashes

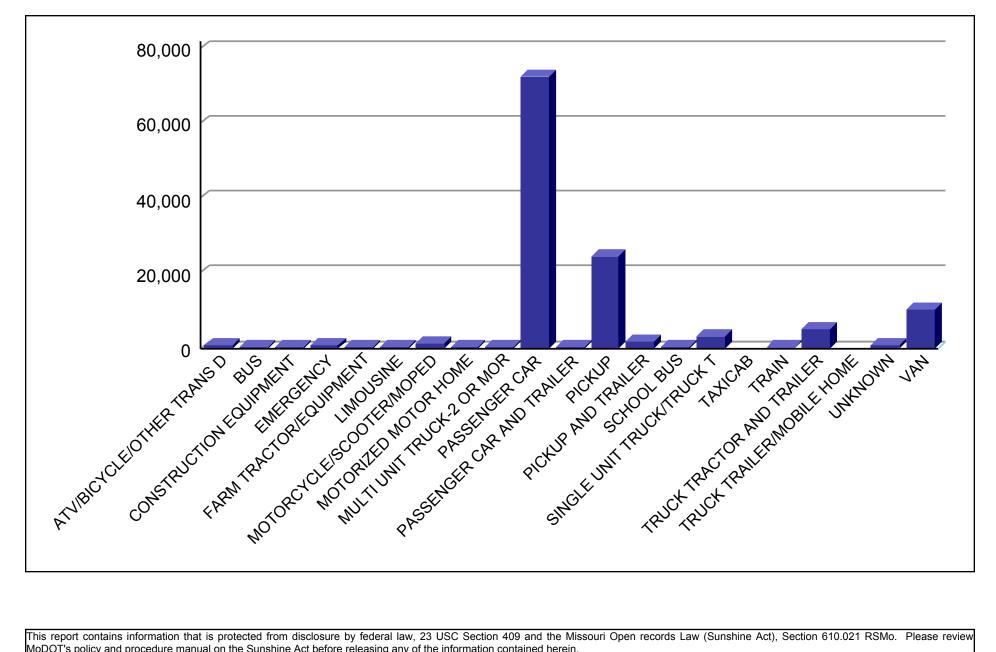
Date: Aug 25, 2008 Time: 8:28:16 AM





#### **Missouri Department of Transportation Transportation Planning** Total Crashes by Vehicle Type for 2007 121.367 Vehicles in Total Crashes

Date: Aug 25, 2008 Time: 8:28:57 AM



### <u>Chapter 1-J: CRASHES BY LIGHT CONDITION</u>

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

During 2007, 71.8% of the total crashes and 53.8% of the fatal crashes occurred during daylight hours.



#### Missouri Department of Transportation Transportation Planning Crashes by Light Condition For2007

Date: Aug 25, 2008 Time: 8:30:03 AM

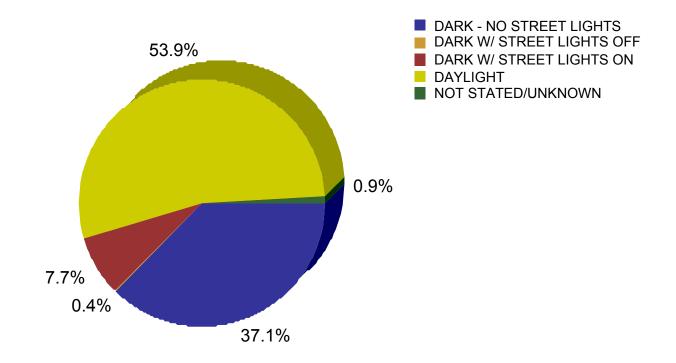
Light Condition	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
DARK - NO STREET LIGHTS	260	282	3,663	5,333	8,754	12,677
DARK W/ STREET LIGHTS OFF	3	3	100	152	320	423
DARK W/ STREET LIGHTS ON	54	57	2,870	4,339	7,801	10,725
DAYLIGHT	377	425	17,088	25,621	46,112	63,577
NOT STATED/UNKNOWN	6	6	250	351	854	1,110
Totals	700	773	23,971	35,796	63,841	88,512



#### Missouri Department of Transportation Transportation Planning Fatal Crashes by Light Condition for 2007 700 Fatal Crashes

Date: Aug 25, 2008 Time: 8:31:03 AM

Light Condition	Total Fatal Crashes
DARK - NO STREET LIGHTS	260
DARK W/ STREET LIGHTS OFF	3
DARK W/ STREET LIGHTS ON	54
DAYLIGHT	377
NOT STATED/UNKNOWN	6

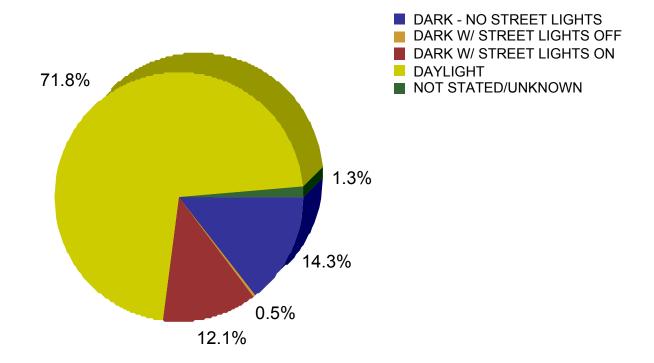




#### Missouri Department of Transportation Transportation Planning Crashes by Light Condition for 2007 88,512 Total Crashes

Date: Aug 25, 2008 Time: 8:32:25 AM

Light Condition	Total Crashes		
DARK - NO STREET LIGHTS	12,677		
DARK W/ STREET LIGHTS OFF	423		
DARK W/ STREET LIGHTS ON	10,725		
DAYLIGHT	63,577		
NOT STATED/UNKNOWN	1,110		



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

This section examines all accidents involving vehicle contact with a fixed object. In 2007, 45.8% of fatal crashes involved embankments and trees as the fixed object. These two fixed objects represented 26.9% of the total crashes when a fixed object was struck.



#### Missouri Department of Transportation Transportation Planning Crashes by Fixed Object Struck For 2007

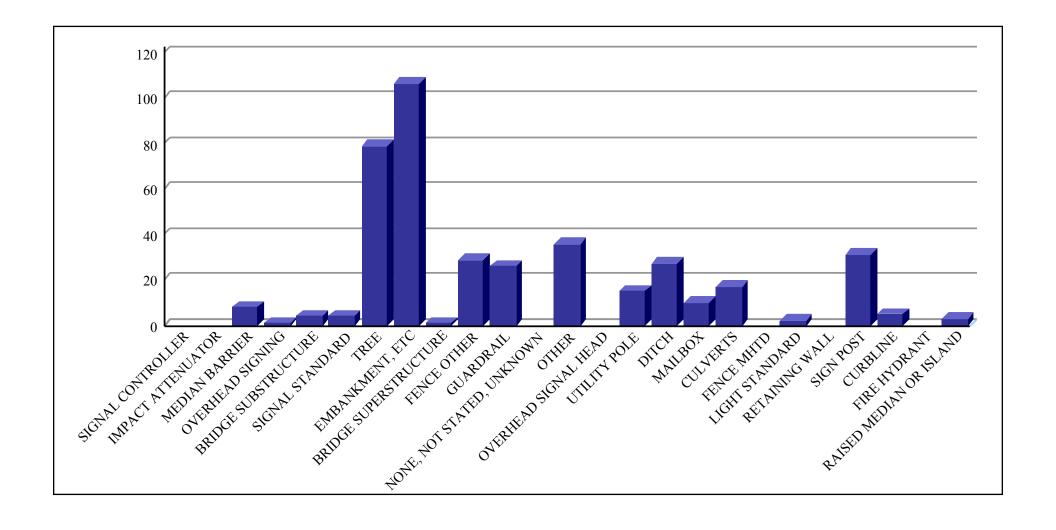
Date: Aug 25, 2008 Time: 8:33:19 AM

Fixed Object Struck	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
BRIDGE SUBSTRUCTURE	4	5	103	133	150	257
BRIDGE SUPERSTRUCTURE	1	1	5	8	7	13
CULVERTS	17	17	341	426	322	680
CURBLINE	5	5	183	251	483	671
DITCH	27	30	1,011	1,300	1,373	2,411
EMBANKMENT, ETC	106	113	2,064	2,690	2,072	4,242
FENCE MHTD	0	0	0	0	0	0
FENCE OTHER	29	32	676	854	1,150	1,855
FIRE HYDRANT	0	0	8	14	32	40
GUARDRAIL	26	26	717	917	1,584	2,327
IMPACT ATTENUATOR	0	0	18	22	31	49
LIGHT STANDARD	2	2	60	76	186	248
MAILBOX	10	11	166	211	259	435
MEDIAN BARRIER	8	8	313	413	1,659	1,980
NONE, NOT STATED, UNKNOWN	0	0	0	0	0	0
OTHER	36	38	404	539	791	1,231
OVERHEAD SIGNAL HEAD	0	0	0	0	0	0
OVERHEAD SIGNING	1	1	7	8	16	24
RAISED MEDIAN OR ISLAND	3	3	551	676	1,055	1,609
RETAINING WALL	0	0	85	106	99	184
SIGN POST	31	34	628	826	1,543	2,202
SIGNAL CONTROLLER	0	0	0	0	0	0
SIGNAL STANDARD	4	4	61	72	126	191
TREE	79	88	1,093	1,448	924	2,096
UTILITY POLE	15	17	336	420	494	845
Totals	404	435	8,830	11,410	14,356	23,590



#### Missouri Department of Transportation Transportation Planning Fatal Crashes by Fixed Object Struck for 2007 404 Fatal Crashes

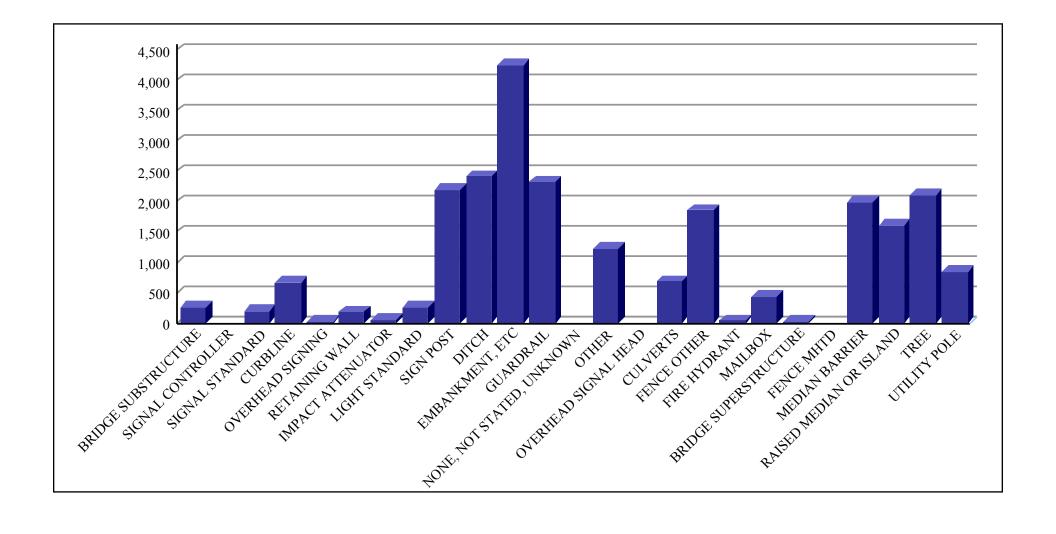
Date: Aug 25, 2008 Time: 8:34:16 AM





#### Missouri Department of Transportation Transportation Planning Total Crashes by Fixed Object Struck for 2007 23,590 Total Crashes

Date: Aug 25, 2008 Time: 8:35:01 AM



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

In 2007, 41.5% of the total crashes occurring on the Missouri Highway System were at intersections with public roads or streets. These crashes resulted in 24.7% of the total fatal crashes. Interchanges represented 20.6% of the total crashes and 8.6% of fatal crashes.



#### Missouri Department of Transportation Transportation Planning Crashes by Intersection Type for 2007

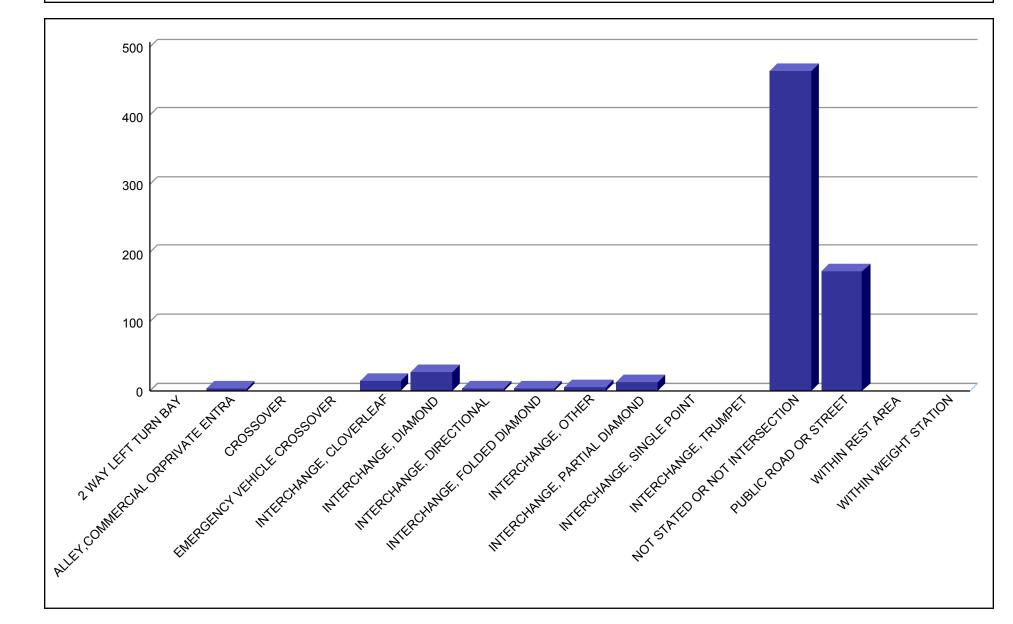
Date: Aug 25, 2008 Time: 8:36:02 AM

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 ORPRIVATE ENTRANC	2	2	185	277	563	750
CROSSOVER	0	0	0	0	0	0
EMERGENCY VEHICLE CROSSOVER	0	0	0	0	0	0
INTERCHANGE, CLOVERLEAF	13	14	407	556	1,288	1,708
INTERCHANGE, DIAMOND	26	30	1,963	2,815	7,072	9,061
INTERCHANGE, DIRECTIONAL	3	3	520	719	1,575	2,098
INTERCHANGE, FOLDED DIAMOND	2	2	90	135	323	415
INTERCHANGE, OTHER	4	5	479	688	1,527	2,010
INTERCHANGE, PARTIAL DIAMOND	12	12	623	857	2,012	2,647
INTERCHANGE, SINGLE POINT	0	0	15	16	86	101
INTERCHANGE, TRUMPET	0	0	47	57	171	218
NOT STATED OR NOT INTERSECTION	465	513	10,254	15,094	22,007	32,726
PUBLIC ROAD OR STREET	173	192	9,381	14,574	27,198	36,752
WITHIN REST AREA	0	0	4	4	9	13
WITHIN WEIGHT STATION	0	0	3	4	10	13
Totals	700	773	23,971	35,796	63,841	88,512



# Missouri Department of Transportation Transportation Planning Fatal Crashes by Intersection Type for 2007 700 Fatal Crashes

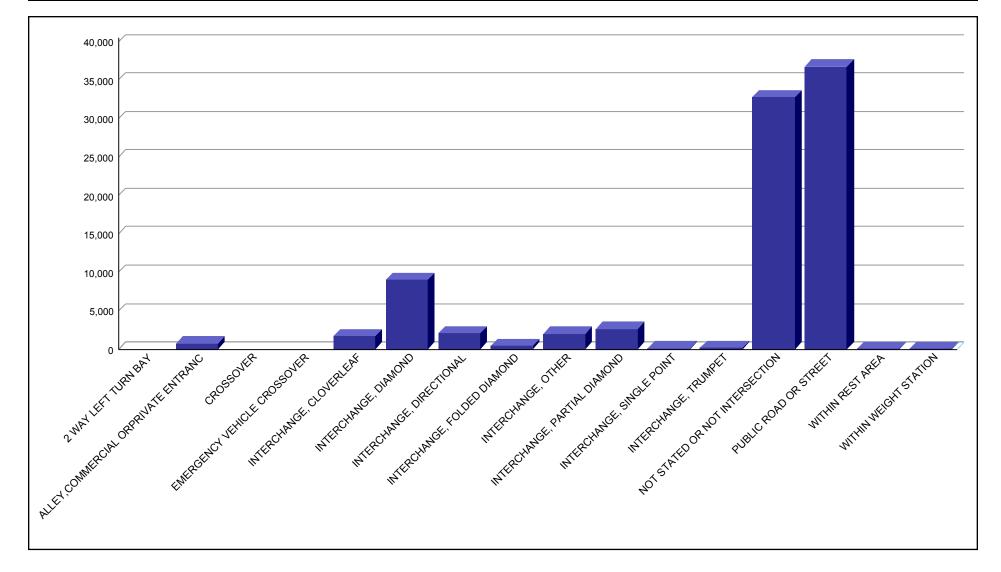
Date: Aug 25, 2008 Time: 9:03:59 AM





#### Missouri Department of Transportation Transportation Planning Crashes by Intersection Type For Year 2007 88,512 Total Crashes

Date: Aug 25, 2008 Time: 9:04:39 AM



### <u>Chapter 1-M : CRASHES INVOLVING PEDESTRIANS</u>

Pedestrian fatalities decreased 18.0% in 2007 compared to 2006.

76.0% of pedestrian fatalities and 42.5% of pedestrian injuries occurred during the hours of darkness in 2007.

The age span of 15-24 years accounted for 24.9% of the pedestrian injuries during 2007.

The age span of 35-44 years accounted for 28.0% of the pedestrian fatalities during 2007.



## Missouri Department of Transportation Transportation Planning Crashes by Pedestrian Maneuver by Age for 2007

Date: Aug 25, 2008 Time: 9:05:32 AM

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	0	0	1	0	2	0	5	1	6	0	5	0	2	0	1	0	1	0	2	0	0	26
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	2	0	1	0	1	0	1	0	0	0	1	0	1	0	0	7
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	1	0	0	1	0	0	1	0	1	0	3	0	4	0	1	0	0	0	3	0	0	15
OFF ROADWAY	0	1	0	0	0	0	1	7	1	1	0	3	1	2	0	1	0	0	0	2	0	0	20
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	1	0	2	0	7	0	1	0	0	0	0	0	0	0	0	11
PLAYING IN ROAD	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3
PUSHING/WORKING ON VEHICLE	0	0	0	0	0	0	0	2	0	1	1	0	0	2	0	0	0	0	0	0	0	0	6
SIGNAL MOVEMENT	0	1	0	4	1	20	4	42	0	15	4	18	3	18	0	9	2	4	2	6	0	0	153
STANDING IN ROAD	0	1	0	0	0	2	1	6	1	6	6	5	3	4	3	2	1	2	1	0	0	0	44
WALKING AGAINST TRAFFIC	0	0	0	1	0	2	2	3	1	7	2	4	1	3	1	1	0	1	0	0	0	0	29
WALKING WITH TRAFFIC	0	0	0	0	0	1	2	4	2	5	1	3	0	5	0	0	0	0	0	0	0	0	23
WITHIN CROSSWALK	0	0	0	1	0	2	0	0	0	1	0	0	0	2	0	0	0	1	0	0	0	0	7
WITHIN MARKED CROSSWALK	0	0	0	0	0	1	0	1	0	1	0	0	0	1	0	1	0	1	0	1	0	0	7
TOTAL	0	4	0	7	2	31	10	75	6	47	14	50	8	45	4	16	3	11	3	15	0	0	351



## Missouri Department of Transportation Transportation Planning Crashes by Pedestrian Maneuver by Light Condition for 2007

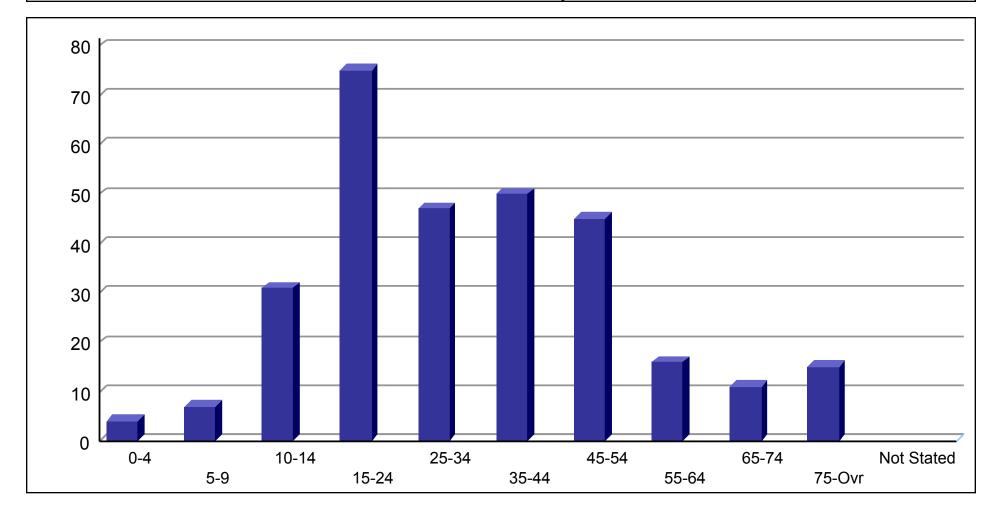
Date: Aug 25, 2008 Time: 9:07:49 AM

DEDECTRIAN MANEUVER	DAR	K	LIGH	НT	UNKNOWN		
PEDESTRIAN MANEUVER	Total Fatalities	Total Injuries	Total Fatalities	Total Injuries	Total Fatalities	Total Injuries	
BEHIND PARKED CAR	0	5	1	20	0	0	
CROSSWALK MARKED	0	0	0	0	0	0	
GETTING ON/OFF VEHICLE	0	2	0	5	0	0	
NOT STATED/UNKNWN/NO PEDS	1	6	0	7	0	1	
OFF ROADWAY	2	4	1	13	0	0	
OTHER IN ROAD	0	0	0	0	0	0	
OTHER WORKING	0	5	0	6	0	0	
PLAYING IN ROAD	0	1	0	2	0	0	
PUSHING/WORKING ON VEHICLE	0	1	1	4	0	0	
SIGNAL MOVEMENT	12	65	4	72	0	0	
STANDING IN ROAD	12	14	3	13	1	1	
WALKING AGAINST TRAFFIC	6	10	1	12	0	0	
WALKING WITH TRAFFIC	5	13	0	5	0	0	
WITHIN CROSSWALK	0	1	0	5	0	1	
WITHIN MARKED CROSSWALK	0	1	0	6	0	0	
Total	38	128	11	170	1	3	



#### Missouri Department of Transportation Transportation Planning Pedestrian Injuries by Age for 2007 301 Pedestrian Injuries

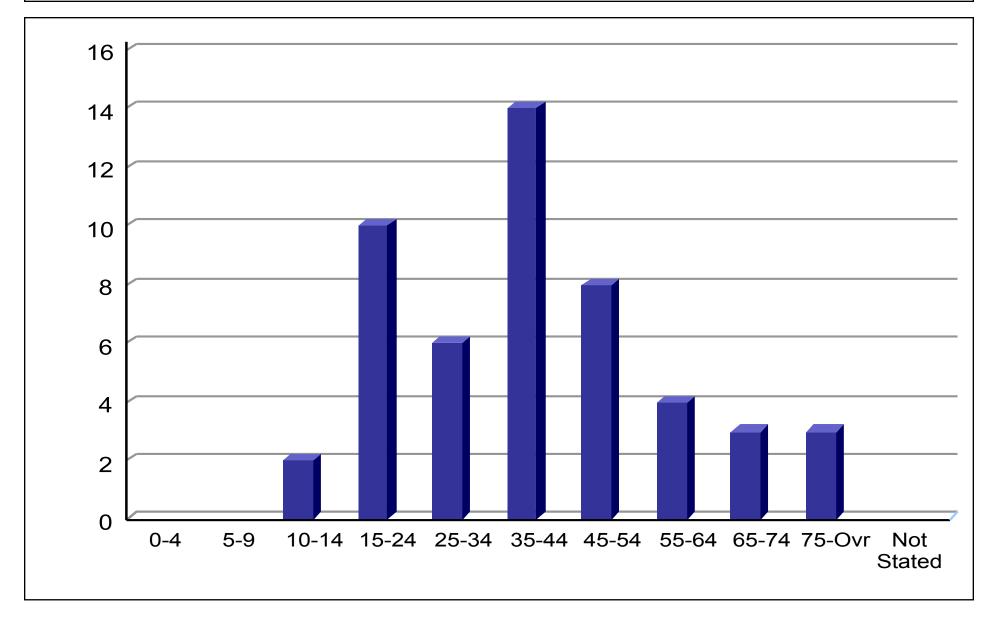
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#### Missouri Department of Transportation Transportation Planning Pedestrian Fatalities by Age For 2007 50 Pedestrian Fatalities

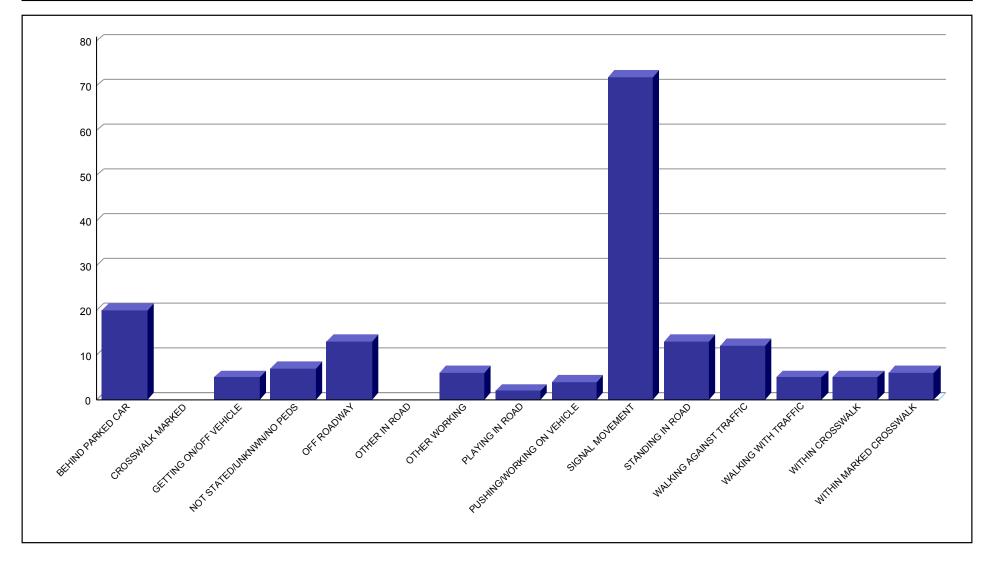
Date: Aug 25, 2008 Time: 9:28:58 AM





# Missouri Department of Transportation Transportation Planning Crashes by Pedestrian Maneuver by Light Condition for 2007 170 Injuries in Day Condition

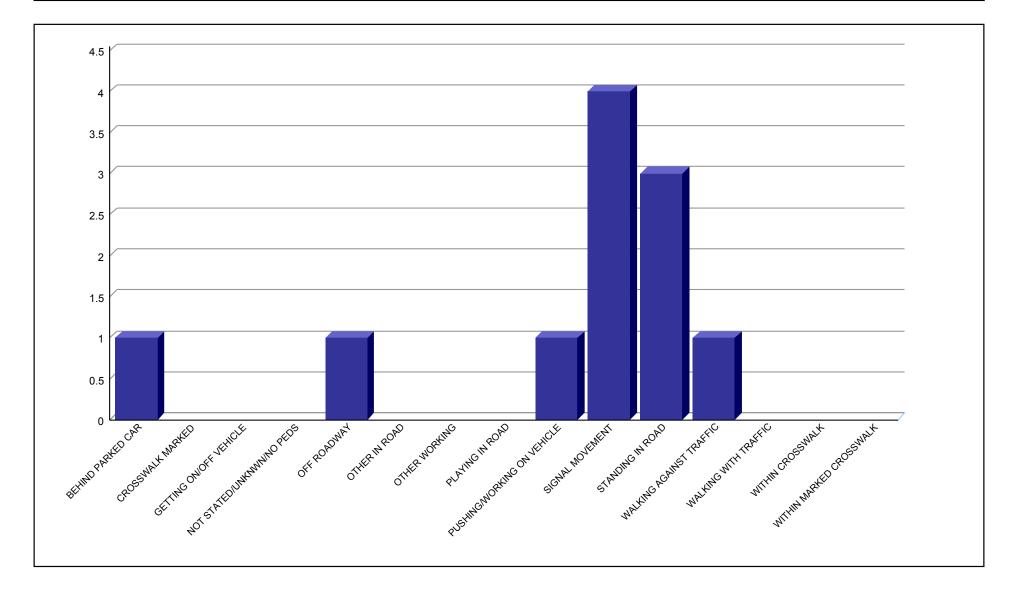
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# Missouri Department of Transportation Transportation Planning Crashes by Pedestrian Maneuver by Light Condition For 2007 11 Fatalities in Day Condition

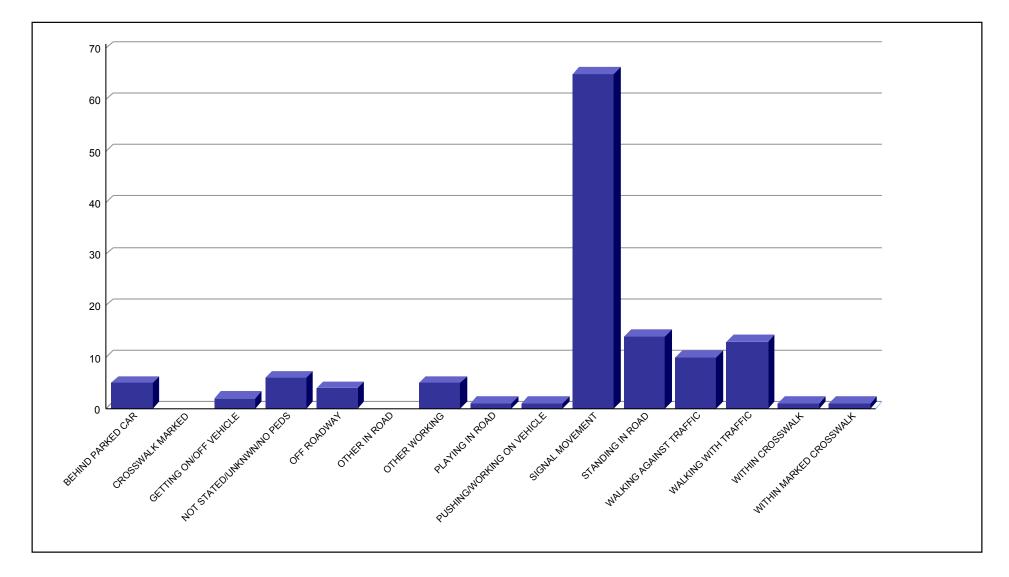
Date: Aug 25, 2008 Time: 9:27:17 AM





#### Missouri Department of Transportation Transportation Planning Crashes by Pedestrian Maneuver by Light Condition For 2007 128 Injuries in Dark Condition

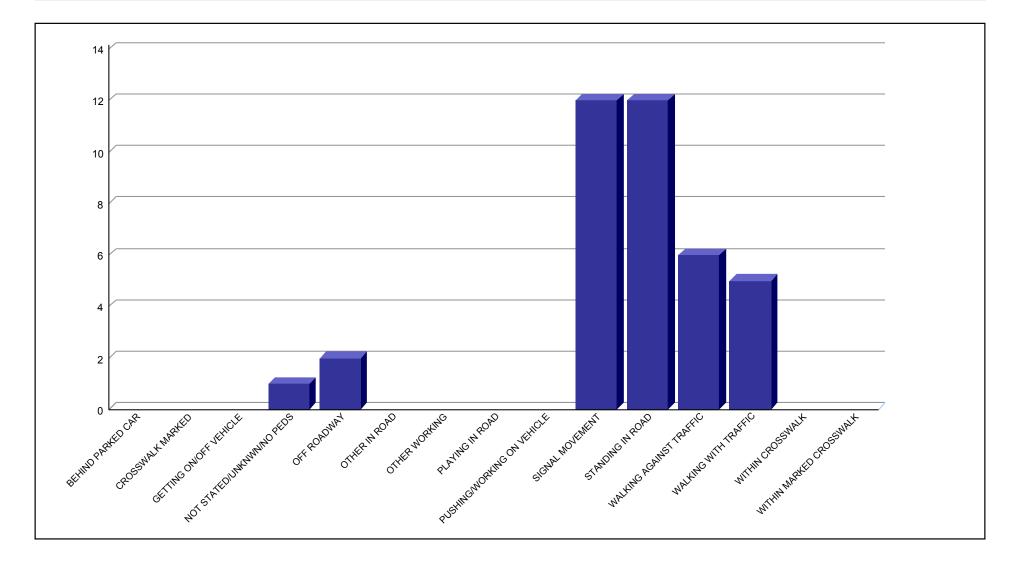
Date: Aug 25, 2008 Time: 9:31:04 AM





# Missouri Department of Transportation Transportation Planning Crashes by Pedestrian Maneuver by Light Condition For 2007 38 Fatalities in Dark Condition

Date: Aug 25, 2008 Time: 9:25:25 AM



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

Of the 88,512 crashes occurring on the State Highway System of Missouri in 2007, 34.8% were investigated by the State Highway Patrol and 66.27% were investigated by local agencies.

Of the 700 fatal crashess that occurred in 2006, 78.3% were investigated by the State Highway Patrol and 21.7% were investigated by local agencies.



#### Missouri Department of Transportation Transportation Planning Crashes by Investigator for 2007

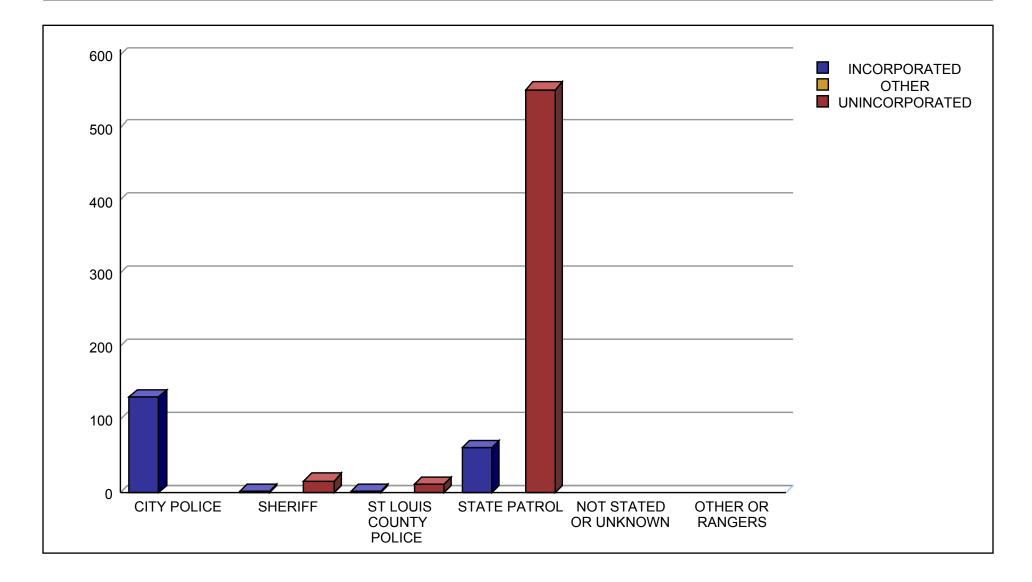
Date: Aug 25, 2008 Time: 9:35:42 AM

INVESTIGATOR	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
UNINCORPORATED						
UNINCORPORATED SHERIFF	16	16	537	733	1,737	2,290
UNINCORPORATED ST LOUIS COUNTY POLICE	10	11	790	1,099	2,670	3,470
UNINCORPORATED STATE PATROL	494	552	9,159	13,980	17,305	26,958
INCORPORATED						
INCORPORATED CITY POLICE	124	130	12,347	18,296	38,154	50,625
INCORPORATED SHERIFF	1	1	92	131	367	460
INCORPORATED ST LOUIS COUNTY POLICE	1	1	164	235	572	737
INCORPORATED STATE PATROL	54	62	851	1,279	2,896	3,801
RANGER						
OTHER OR RANGERS	0	0	31	43	140	171
NOT STATED						
NOT STATED OR UNKNOWN	0	0	0	0	0	0
Totals	700	773	23,971	35,796	63,841	88,512



#### Missouri Department of Transportation Transportation Planning Fatal Crashes by Investigator Chart for 2007 700 Fatal Crashes

Date: Aug 25, 2008 Time: 9:36:35 AM





#### Missouri Department of Transportation Transportation Planning Total Crashes by Investigator Chart for 2007 88,512 Total Crashes

Date: Aug 25, 2008 Time: 9:37:24 AM

