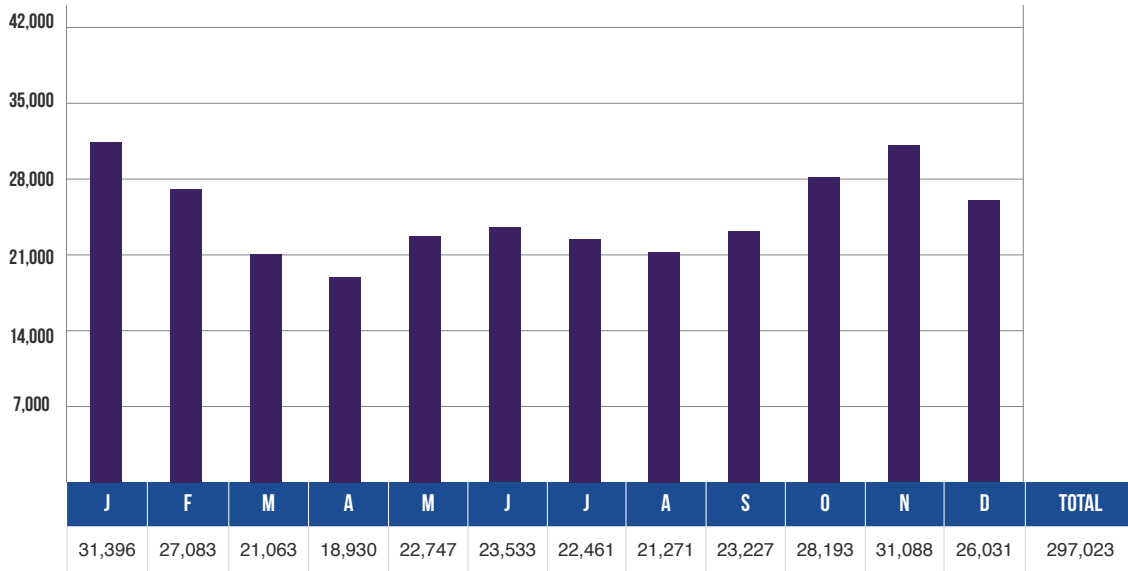
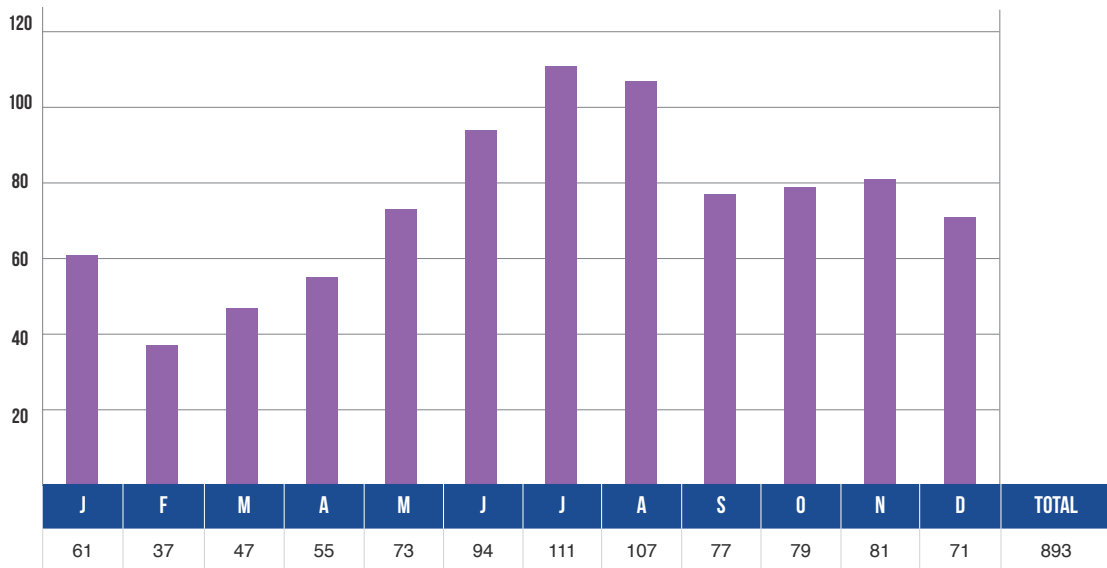


# ALL CRASHES INJURY SEVERITY BY MONTH

## TOTAL CRASHES

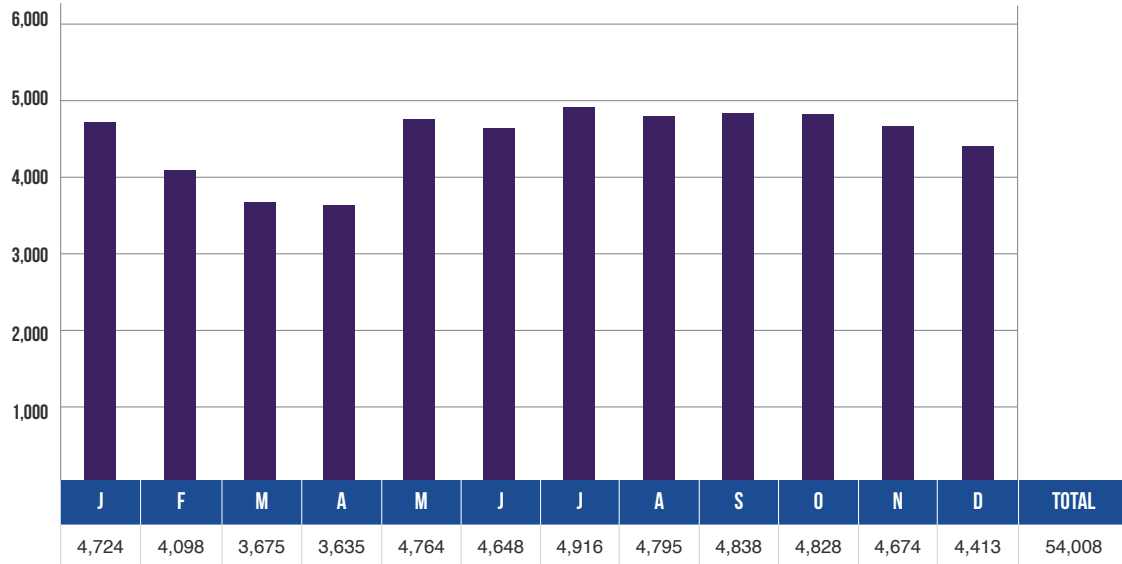


## FATAL CRASHES

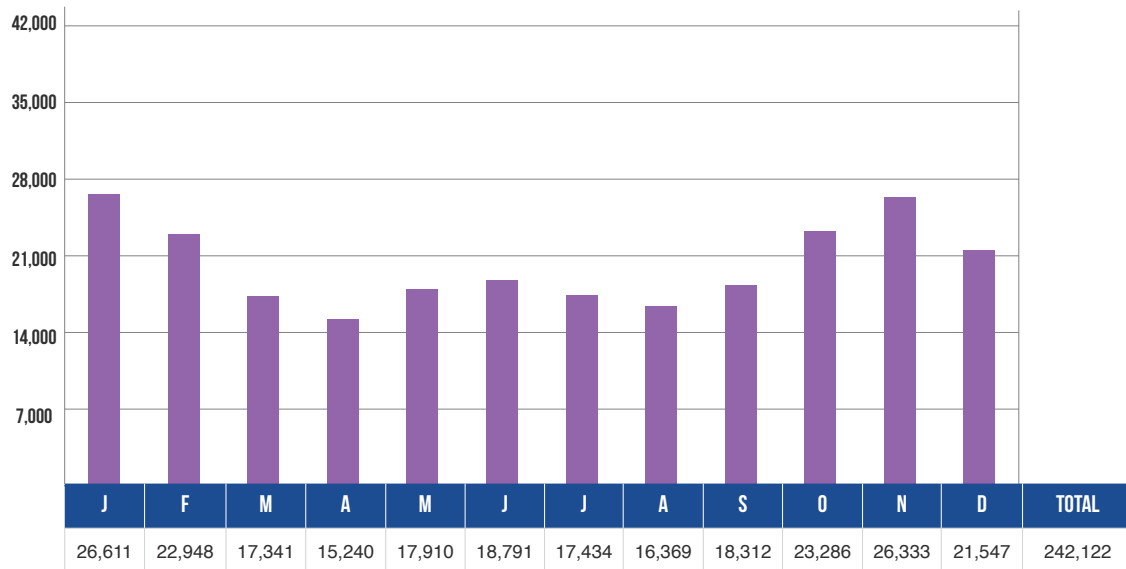


## ALL CRASHES INJURY SEVERITY BY MONTH (CONTINUED)

### INJURY CRASHES



### PROPERTY DAMAGE ONLY CRASHES



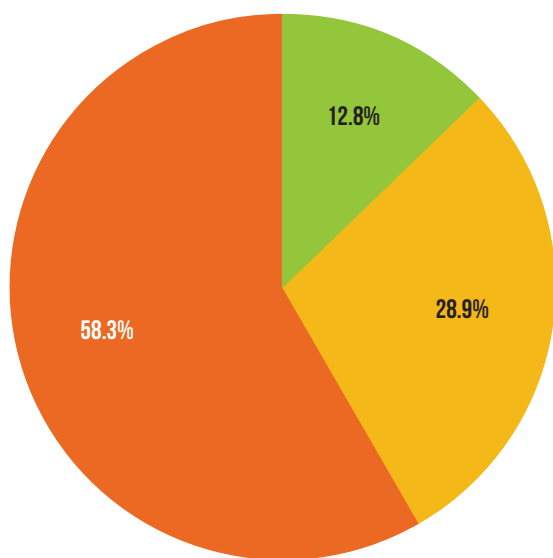
## HIGHWAY CLASS

HIGHWAY CLASS	ALL CRASHES	FATAL CRASHES	INJURY CRASHES	PROPERTY DAMAGE ONLY
Interstate Routes	38,036	90	6,850	31,096
U.S. & Michigan Roads	85,944	265	15,723	69,956
County & City Roads	173,043	538	31,435	141,070
<b>TOTAL</b>	<b>297,023</b>	<b>893</b>	<b>54,008</b>	<b>242,122</b>

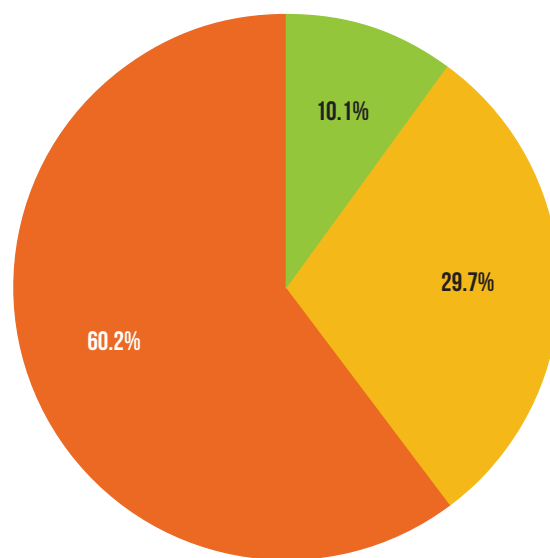
INTERSTATE ROUTES

U.S. & MICHIGAN ROADS

COUNTY & CITY ROADS



ALL CRASHES



FATAL CRASHES

The majority of all crashes (58.3%), fatal crashes (60.2%), injury crashes (58.2%), and property damage only crashes (58.3%) occur on county and city roads.

## CRASH EXPERIENCE BY CRASH TYPE

CRASH TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
Single Vehicle	99,791	33.6	465	52.1	1,684	4,870	7,998	84,774
Head On	3,466	1.2	103	11.5	226	408	737	1,992
Head On - Left Turn	6,701	2.3	28	3.1	189	775	1,729	3,980
Angle	46,723	15.7	137	15.3	797	3,117	8,343	34,329
Rear End	78,307	26.4	66	7.4	522	2,409	12,834	62,476
Rear End - Left Turn	2,932	1.0	4	0.4	34	140	504	2,250
Rear End - Right Turn	3,053	1.0	0	0.0	8	51	355	2,639
Sideswipe - Same Direction	32,666	11.0	16	1.8	136	541	1,968	30,005
Sideswipe - Opposite Direction	5,674	1.9	13	1.5	69	201	523	4,868
Other/Unknown	17,710	6.0	61	6.8	274	820	1,746	14,809
<b>TOTAL</b>	<b>297,023</b>	<b>100.0</b>	<b>893</b>	<b>100.0</b>	<b>3,939</b>	<b>13,332</b>	<b>36,737</b>	<b>242,122</b>

The single vehicle crash type produces the highest percentage of all crashes (33.6%), fatal crashes (52.1%), and property damage only crashes (35.0%). Single vehicle crashes include rollovers, which are a particularly deadly crash type. The rear end crash type produces the highest percentage of injury crashes (29.1%).

## RELATIONSHIP TO ROADWAY

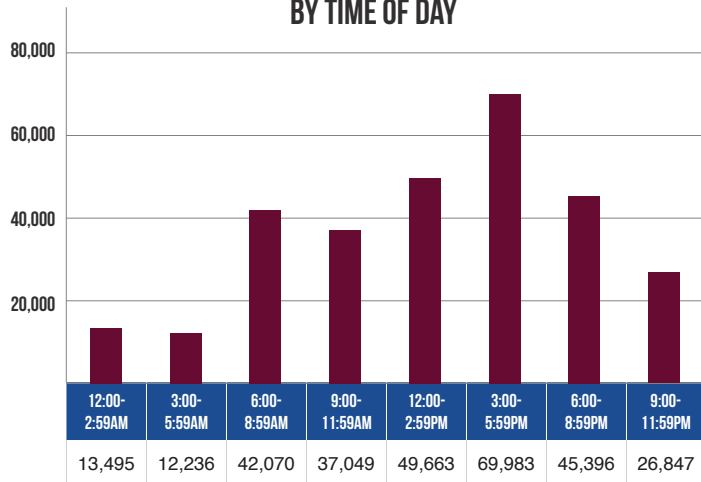
LOCATION OF FIRST IMPACT	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
On Road	256,756	86.4	622	69.7	2,910	10,369	31,543	211,312
Median	2,370	0.8	10	1.1	49	168	296	1,847
Shoulder	12,147	4.1	61	6.8	275	718	1,427	9,666
Outside of Shoulder/Curb	21,109	7.1	173	19.4	593	1,781	2,865	15,697
Gore	1,180	0.4	10	1.1	36	84	174	876
Other/Unknown	3,461	1.2	17	1.9	76	212	432	2,724
<b>TOTAL</b>	<b>297,023</b>	<b>100.0</b>	<b>893</b>	<b>100.0</b>	<b>3,939</b>	<b>13,332</b>	<b>36,737</b>	<b>242,122</b>

Only 7.1 percent of crashes occur outside the shoulder of the road, but these crashes account for 19.4 percent of the fatal crashes.

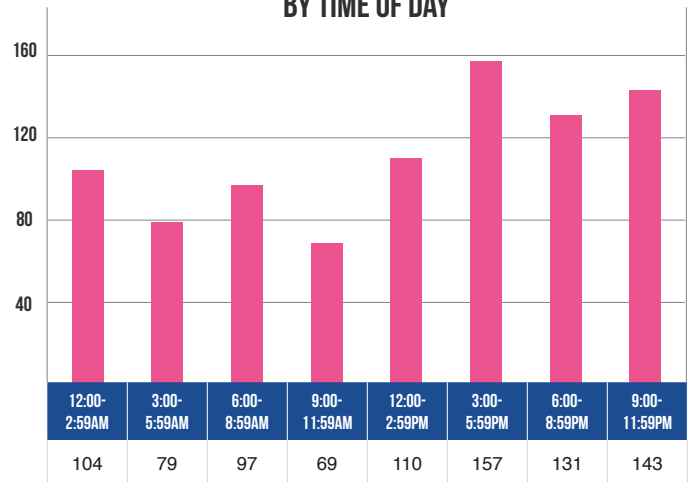
## TIME AND SEVERITY

TIME OF DAY	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
12:00 AM - 2:59 AM	13,495	4.5	104	11.6	319	838	1,515	10,719
3:00 AM - 5:59 AM	12,236	4.1	79	8.8	198	570	1,013	10,376
6:00 AM - 8:59 AM	42,070	14.2	97	10.9	364	1,476	4,327	35,806
9:00 AM - 11:59 AM	37,049	12.5	69	7.7	470	1,642	4,936	29,932
12:00 PM - 2:59 PM	49,663	16.7	110	12.3	678	2,396	7,150	39,329
3:00 PM - 5:59 PM	69,983	23.6	157	17.6	832	3,149	9,822	56,023
6:00 PM - 8:59 PM	45,396	15.3	131	14.7	637	2,028	5,206	37,394
9:00 PM - 11:59 PM	26,847	9.0	143	16.0	440	1,228	2,760	22,276
Unknown	284	0.1	3	0.3	1	5	8	267
<b>TOTAL</b>	<b>297,023</b>	<b>100.0</b>	<b>893</b>	<b>100.0</b>	<b>3,939</b>	<b>13,332</b>	<b>36,737</b>	<b>242,122</b>

**ALL CRASHES  
BY TIME OF DAY**



**FATAL CRASHES  
BY TIME OF DAY**

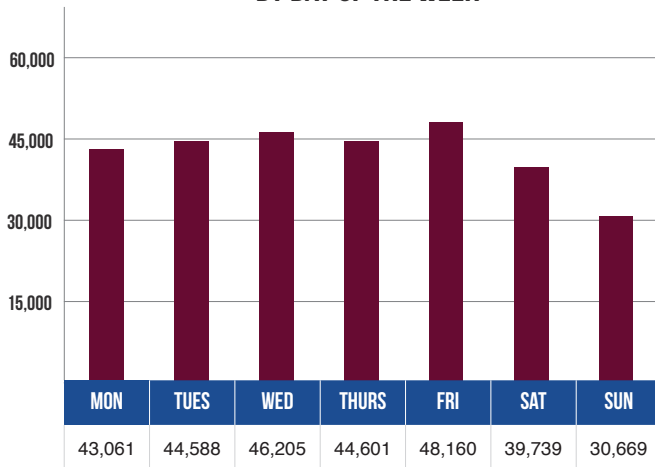


Crash frequencies peak in the late afternoon, then drop off steadily until 6:00 AM (the morning rush hour). Fatal crash frequencies rise with the frequency of other crashes, but continue at a high rate well into the early morning hours. The highest percentage of fatal crashes occurs during the 3:00 PM to 5:59 PM time period (17.6%).

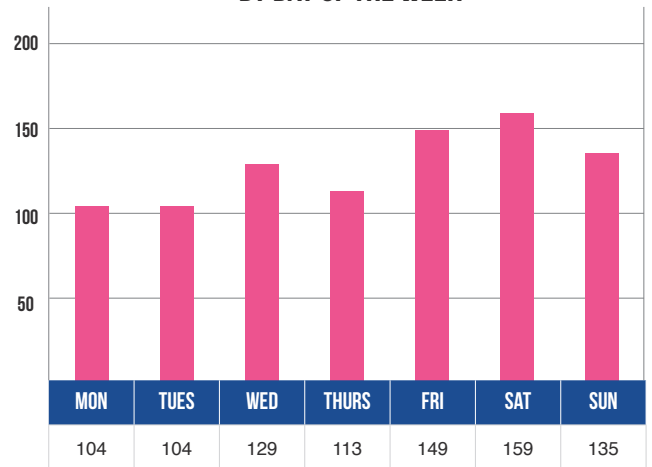
## DAY OF WEEK

DAY OF WEEK	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
Monday	43,061	14.5	104	11.6	502	1,896	5,244	35,315
Tuesday	44,588	15.0	104	11.6	497	1,786	5,652	36,549
Wednesday	46,205	15.6	129	14.4	521	1,950	5,778	37,827
Thursday	44,601	15.0	113	12.7	548	1,962	5,560	36,418
Friday	48,160	16.2	149	16.7	628	2,091	6,041	39,251
Saturday	39,739	13.4	159	17.8	699	1,953	4,828	32,100
Sunday	30,669	10.3	135	15.1	544	1,694	3,634	24,662
<b>TOTAL</b>	<b>297,023</b>	<b>100.0</b>	<b>893</b>	<b>100.0</b>	<b>3,939</b>	<b>13,332</b>	<b>36,737</b>	<b>242,122</b>

**ALL CRASHES  
BY DAY OF THE WEEK**



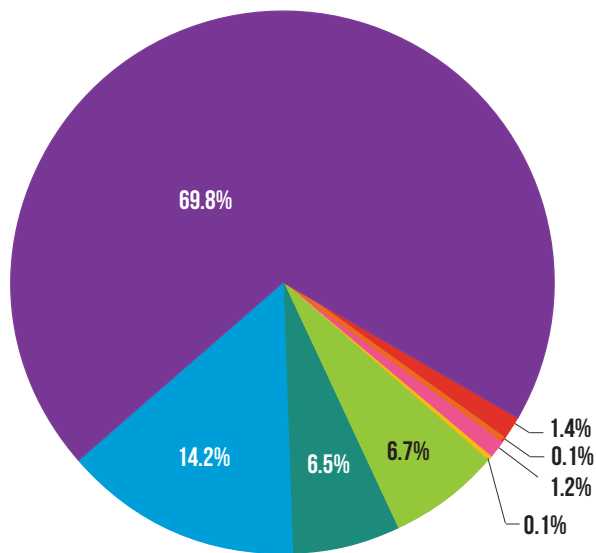
**FATAL CRASHES  
BY DAY OF THE WEEK**



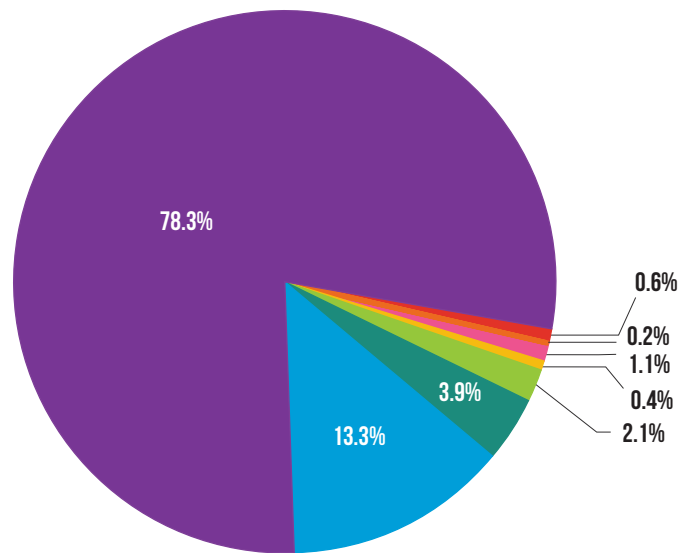
Crash frequencies are higher Monday through Friday than on the weekend. Friday (149) and Saturday (159) have the highest number of fatal crashes.

# ROAD CONDITION

ROAD SURFACE CONDITION	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
Dry	207,256	69.8	699	78.3	3,035	10,166	26,413	166,943
Wet	42,265	14.2	119	13.3	492	1,745	5,802	34,107
Icy	19,421	6.5	35	3.9	180	659	2,095	16,452
Snowy	19,888	6.7	19	2.1	154	515	1,798	17,402
Muddy	436	0.1	4	0.4	19	30	48	335
Slushy	3,538	1.2	10	1.1	41	140	407	2,940
Debris	176	0.1	2	0.2	4	11	19	140
Other/Unknown	4,043	1.4	5	0.6	14	66	155	3,803
<b>TOTAL</b>	<b>297,023</b>	<b>100.0</b>	<b>893</b>	<b>100.0</b>	<b>3,939</b>	<b>13,332</b>	<b>36,737</b>	<b>242,122</b>



ALL CRASHES

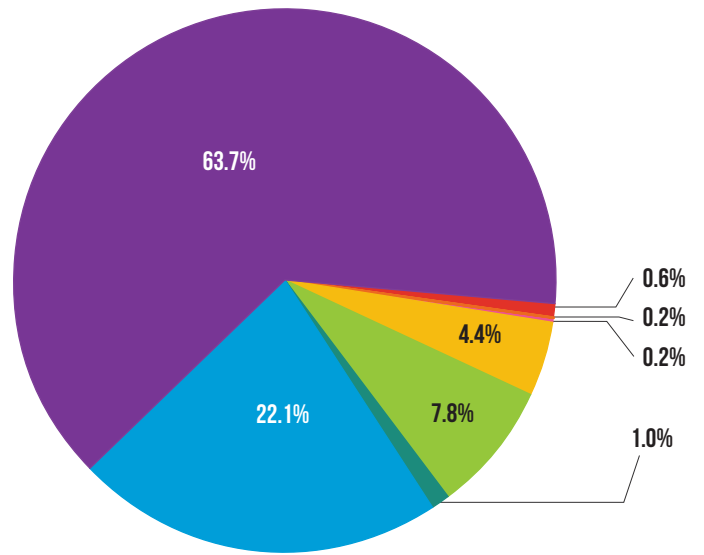
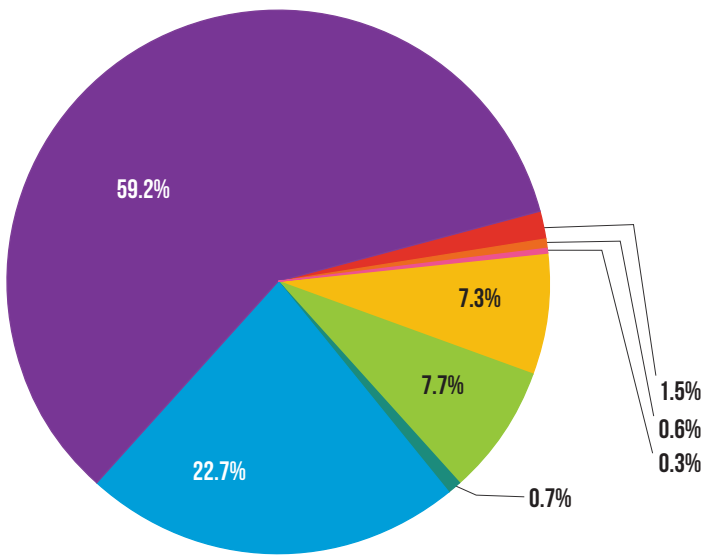


FATAL CRASHES

The majority of all crashes (69.8%), fatal crashes (78.3%), injury crashes (73.3%), and property damage only crashes (68.9%) occur on dry roads.

# WEATHER CONDITION

WEATHER CONDITION	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
Clear	175,931	59.2	569	63.7	2,539	8,555	21,894	142,374
Cloudy	67,412	22.7	197	22.1	871	2,861	8,662	54,821
Fog/Smoke	2,076	0.7	9	1.0	31	104	188	1,744
Rain	22,942	7.7	70	7.8	269	972	3,275	18,356
Snow/Blowing Snow	21,601	7.3	39	4.4	194	672	2,275	18,421
Severe Wind	1,032	0.3	2	0.2	8	44	95	883
Sleet/Hail	1,703	0.6	2	0.2	20	62	183	1,436
Other/Unknown	4,326	1.5	5	0.6	7	62	165	4,087
<b>TOTAL</b>	<b>297,023</b>	<b>100.0</b>	<b>893</b>	<b>100.0</b>	<b>3,939</b>	<b>13,332</b>	<b>36,737</b>	<b>242,122</b>



**ALL CRASHES**

**FATAL CRASHES**

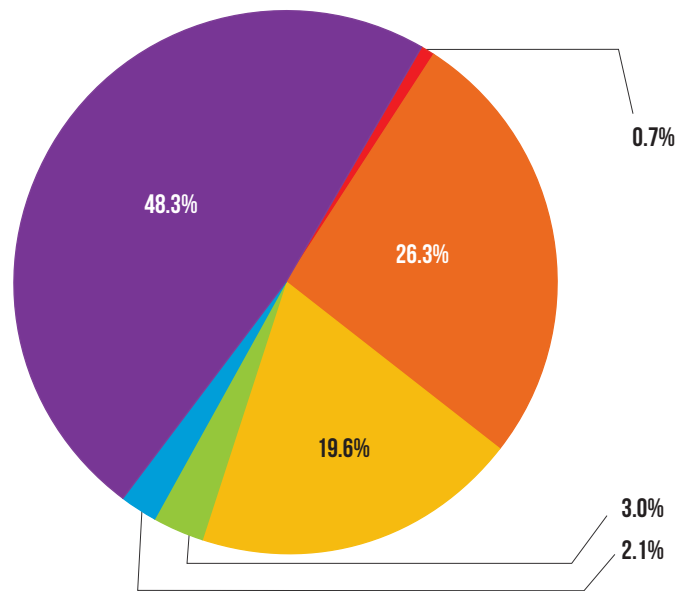
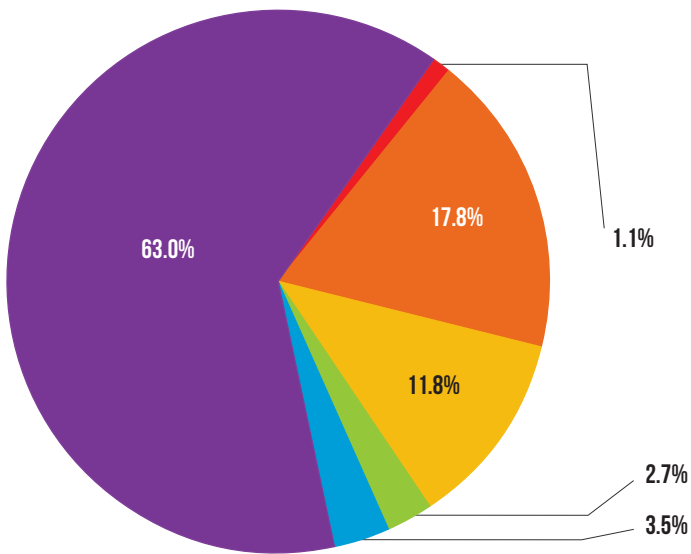
The majority of all crashes (59.2%), fatal crashes (63.7%), injury crashes (61.1%), and property damage only crashes (58.8%) occur during clear weather conditions.



# LIGHT CONDITION

LIGHT CONDITION	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
Daylight	187,216	63.0	431	48.3	2,438	8,999	26,108	149,240
Dawn	10,280	3.5	19	2.1	90	278	817	9,076
Dusk	8,105	2.7	27	3.0	107	312	871	6,788
Dark – Lighted	35,121	11.8	175	19.6	613	1,811	5,150	27,372
Dark – Unlighted	53,005	17.8	235	26.3	686	1,898	3,696	46,490
Other/Unknown	3,296	1.1	6	0.7	5	34	95	3,156
<b>TOTAL</b>	<b>297,023</b>	<b>100.0</b>	<b>893</b>	<b>100.0</b>	<b>3,939</b>	<b>13,332</b>	<b>36,737</b>	<b>242,122</b>

■ DAYLIGHT     
 ■ DAWN     
 ■ DUSK     
 ■ DARK-LIGHTED     
 ■ DARK-UNLIGHTED     
 ■ OTHER/UNKNOWN



ALL CRASHES

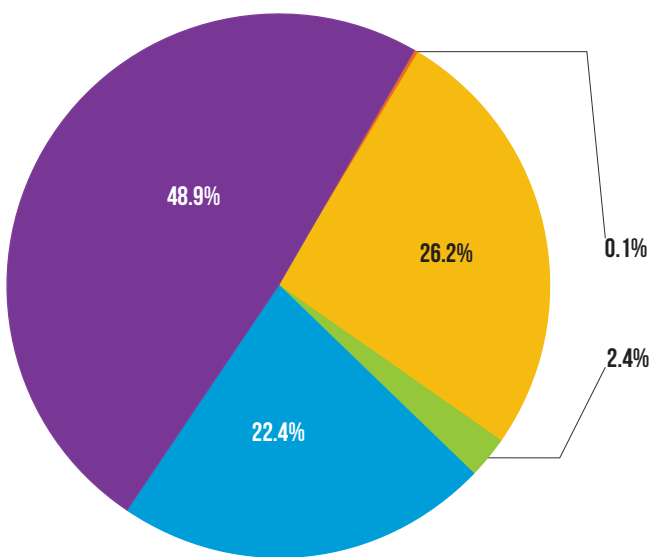
FATAL CRASHES

The majority of all crashes (63.0%) , fatal crashes (48.3%), injury crashes (69.5%), and property damage only crashes (61.6%) occur during daylight hours.

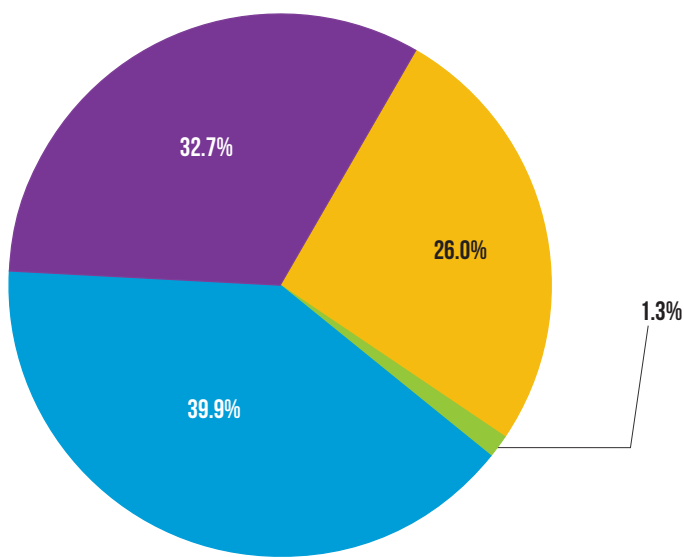
## INTERSECTION CRASHES BY TRAFFIC CONTROL TYPE

TRAFFIC CONTROL TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
Signal	44,381	48.9	73	32.7	549	2,398	8,050	33,311
Stop Sign	20,319	22.4	89	39.9	406	1,447	3,495	14,882
Yield Sign	2,169	2.4	3	1.3	20	86	305	1,755
None of These	23,785	26.2	58	26.0	325	1,247	3,439	18,716
Unknown	98	0.1	0	0.0	4	4	9	81
<b>TOTAL</b>	<b>90,752</b>	<b>100.0</b>	<b>223</b>	<b>100.0</b>	<b>1,304</b>	<b>5,182</b>	<b>15,298</b>	<b>68,745</b>

■ SIGNAL     
 ■ STOP SIGN     
 ■ YIELD SIGN     
 ■ NONE OF THESE     
 ■ UNKNOWN



ALL CRASHES



FATAL CRASHES

Compared to other intersection crashes, intersections with signals have the highest percentage of all crashes (48.9%), injury crashes (50.5%), and property damage only crashes (48.5%). Intersections with stop signs have the highest percentage of fatal crashes (39.9%).

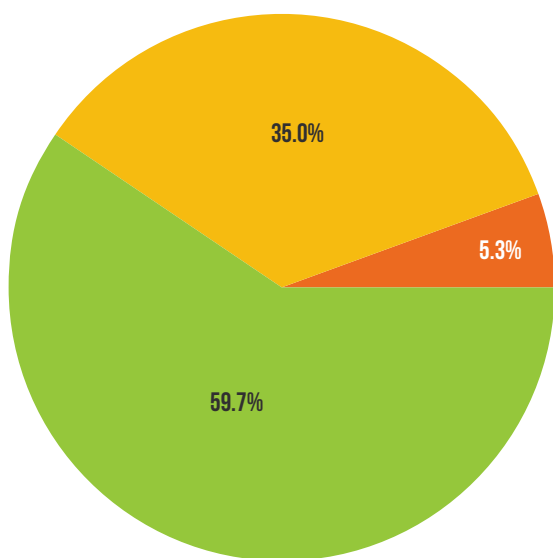
## CONSTRUCTION ZONE CRASHES

CONSTRUCTION ZONE TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
<b>CONSTRUCTION/MAINTENANCE</b>	<i>Indicates roadway construction, maintenance, or repair. The building, maintenance, or repair of the road itself and roadway-related features (e.g., overhead signs, signals).</i>							
Lane Closed	2,380	59.7	3	27.3	17	100	322	1,938
Lane Open	1,394	35.0	1	9.1	22	74	155	1,142
Unknown Lane Closure	212	5.3	7	63.6	4	11	25	165
<b>TOTAL</b>	<b>3,986</b>	<b>100.0</b>	<b>11</b>	<b>100.0</b>	<b>43</b>	<b>185</b>	<b>502</b>	<b>3,245</b>

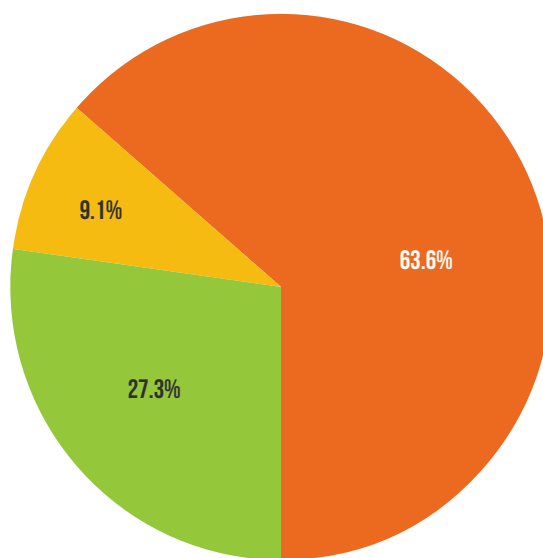
■ LANE CLOSED

■ LANE OPEN

■ UNKNOWN LANE CLOSURE



ALL CRASHES



FATAL CRASHES

The majority of all crashes (59.7%), injury crashes (60.1%), and property damage only crashes (59.7%) occur in closed lanes in construction/maintenance zones.

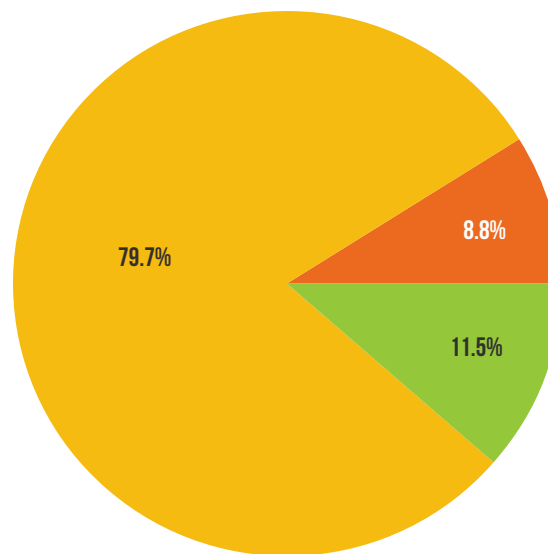
## CONSTRUCTION ZONE CRASHES

CONSTRUCTION ZONE TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
<b>UTILITY</b>	<i>Indicates work on facilities other than the roadway such as telephone, electrical, cable television, water, or sewer.</i>							
Lane Closed	92	11.5	0	0.0	4	4	12	72
Lane Open	635	79.7	0	0.0	7	25	87	516
Unknown Lane Closure	70	8.8	0	0.0	2	2	9	57
<b>TOTAL</b>	<b>797</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>13</b>	<b>31</b>	<b>108</b>	<b>645</b>

■ LANE CLOSED

■ LANE OPEN

■ UNKNOWN LANE CLOSURE



ALL CRASHES

The majority of all crashes (79.7%), injury crashes (78.3%), and property damage only crashes (80.0%) occur in open lanes in utility construction zones.