

Section 2. Collisions

This section classifies collisions by type of collision, traffic control violations, roadway locations, vehicle type, time of collision and environmental conditions.



Analysis Period: 1 January 2005 - 31 December 2005

Figure 2.1 Total number of reported collisions by severity and initial impact

Road Location	Fatal	Injury	Property Dmg. Only	Reported Collisions
Fixed Object	4	131	820	955
Head On	1	31	76	108
Intersection 90 Degree	0	557	1782	2339
Left Turn (Left w/ Thru)	4	292	1011	1307
Left Turn (Opp Dir)	0	109	319	428
Left Turn (Same Dir)	0	32	219	251
Off Road Left	0	4	9	13
Off Road Right	0	2	21	23
Over-Taking	0	32	226	258
Pedestrian	4	284	1	289
Rear End	0	1309	4629	5938
Right Turn (Opp Dir)	0	32	92	124
Right Turn (Same Dir)	0	28	174	202
Sideswipe (Opposing)	0	44	228	272
Sideswipe (Same Dir)	2	146	1875	2023
Unknown	0	26	167	193
TOTAL	15	3059	11649	14723



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Figure 2.2 Total number of reported collisions by severity and traffic control type

Traffic Control Type	Fatal	Injury	Property Dmg. Only	Reported Collisions
4-Way Stop	0	28	84	112
Flashing School Signals	0	0	2	2
Flashing Signal Light	0	5	11	16
Left Turn on Red	0	1	3	4
Merge	0	1	15	16
Officer/Flagman/School Guard	0	3	2	5
Pedestrian Corridor	2	86	149	237
Pedestrian Crosswalk	0	9	30	39
R.R. Auto Controls	0	0	3	3
R.R. Crossing	0	2	4	6
R.R. Gates	0	0	2	2
Stop	0	545	1965	2510
Traffic Signal/Control Device	6	1502	4652	6160
Turn Controls	0	0	1	1
Warning Sign	0	0	1	1
Yield	0	125	388	513
Unknown	7	752	4337	5096
TOTAL	15	3059	11649	14723



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Figure 2.3 Total number of reported collisions by severity and road location

Road Location	Fatal	Injury	Property Dmg. Only	Reported Collisions
Back Lane (Intersection)	0	10	33	43
Between Intersections	7	548	3449	4004
Bridge/Overpass	0	18	67	85
Intersection	8	2322	7417	9747
Intersection of Private Drive/Lane	0	148	624	772
Off-Road	0	1	3	4
Parking Lot (Intersection)	0	2	17	19
Railroad Level Crossing	0	7	17	24
Tunnel/Underpass	0	3	17	20
Unknown	0	0	5	5
TOTAL	15	3059	11649	14723

NOTE: "Intersection" is defined as those collisions which are at intersections.
"Non-intersection" is defined as all other collisions.



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Figure 2.4 Total number of reported collisions by type of vehicle

Vehicle Type	Number Of Collisions	Percentage
Ambulance	13	0.06
Automobile	13123	61.62
Bicycle	230	1.08
Bus (Other)	10	0.05
Construction Equipment	43	0.20
Farm Equipment	1	0.00
Fire	13	0.06
Inter-City Bus	28	0.13
Mini-Van/Multi-Purpose Van	1952	9.17
Mobility Vehicle	1	0.00
Moped	5	0.02
Motocycle/Scooter	70	0.33
Motorhome	5	0.02
Motorized Snow Vehicle (HTA)	8	0.04
Other School Vehicle	2	0.01
Paratransit Bus	2	0.01
Pick-Up Under 4500 kg	2008	9.43
Police	44	0.21
Power Unit for Semi-Trailer	213	1.00
SUV	1358	6.38
School Bus	25	0.12
Train/Other Rail Vehicle	7	0.03
Transit Bus (Urban)	141	0.66
Truck (Other)	132	0.62
Truck Over 4500 kg (Unit Chassis)	166	0.78
Truck/Camper	19	0.09
Unknown	287	1.35
Van Under 4500 kg	427	2.00
Unknown	965	4.53
TOTAL	21298	

NOTE: If a collision has multiple of the same vehicle type, only one is reflected in the table.
(e.g. if a collision involves two automobiles and two bicycles then only one bicycle and one automobile will be added)



Analysis Period: 1 January 2005 - 31 December 2005

Figure 2.5 Total number of reported collisions by hour of day and day of week

Hour	Days of the Week							Reported Collisions	Percentage
	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
00:00 - 00:59	12	12	12	12	9	49	27	133	0.9
01:00 - 01:59	23	15	15	20	24	34	43	174	1.2
02:00 - 02:59	10	9	11	14	25	58	72	199	1.4
03:00 - 03:59	7	8	6	10	5	31	40	107	0.7
04:00 - 04:59	7	4	4	6	6	16	11	54	0.4
05:00 - 05:59	5	4	4	8	7	16	13	57	0.4
06:00 - 06:59	34	32	48	48	36	20	10	228	1.5
07:00 - 07:59	89	110	118	140	113	31	23	624	4.2
08:00 - 08:59	156	168	186	165	151	49	24	899	6.1
09:00 - 09:59	90	115	138	101	91	56	34	625	4.2
10:00 - 10:59	91	114	103	112	116	68	61	665	4.5
11:00 - 11:59	122	96	140	135	141	103	54	791	5.4
12:00 - 12:59	149	149	162	145	161	136	99	1001	6.8
13:00 - 13:59	146	143	144	155	169	129	99	985	6.7
14:00 - 14:59	134	144	149	159	178	128	121	1013	6.9
15:00 - 15:59	203	242	223	233	268	160	135	1464	9.9
16:00 - 16:59	216	235	275	231	241	111	118	1427	9.7
17:00 - 17:59	199	198	185	205	195	117	99	1198	8.1
18:00 - 18:59	128	105	122	130	146	94	69	794	5.4
19:00 - 19:59	73	67	72	100	95	95	58	560	3.8
20:00 - 20:59	52	64	48	63	60	79	56	422	2.9
21:00 - 21:59	55	45	50	63	75	70	48	406	2.8
22:00 - 22:59	51	58	59	51	58	77	45	399	2.7
23:00 - 23:59	32	26	45	41	80	72	40	336	2.3
Unknown	20	16	26	22	24	28	26	162	1.1
TOTAL	2104	2179	2345	2369	2474	1827	1425	14723	100 %
Percentage	14.3	14.8	15.9	16.1	16.8	12.4	9.7		

NOTE: 'Uknown' hour means no time recorded



Analysis Period: 1 January 2005 - 31 December 2005

Figure 2.6 Total number of reported collisions by hour of day

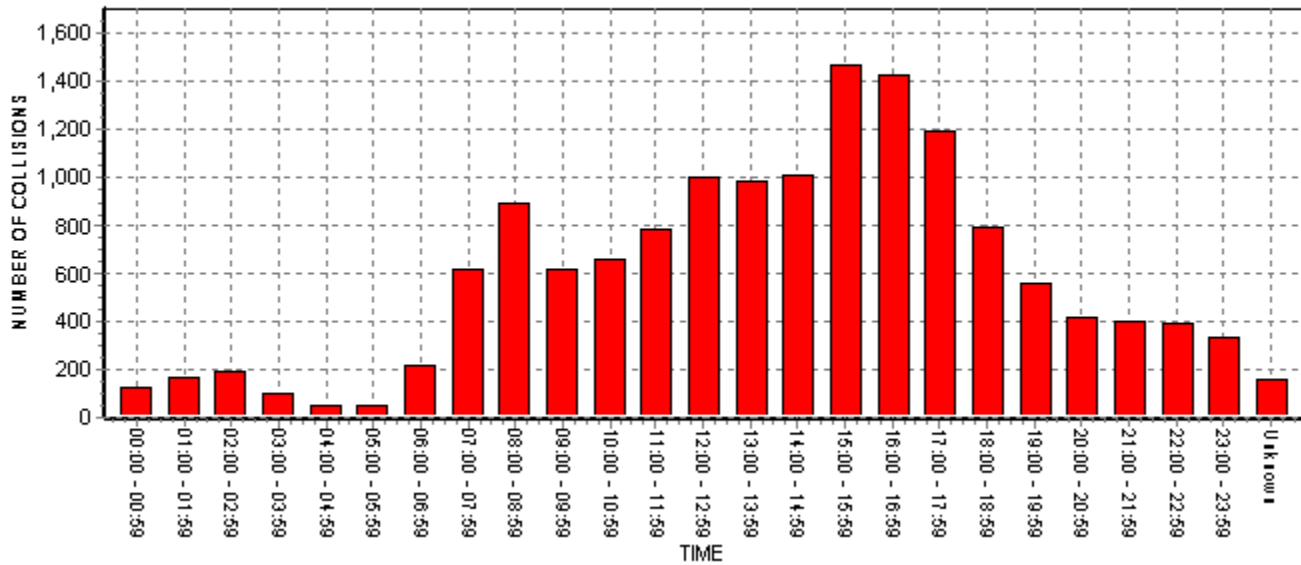
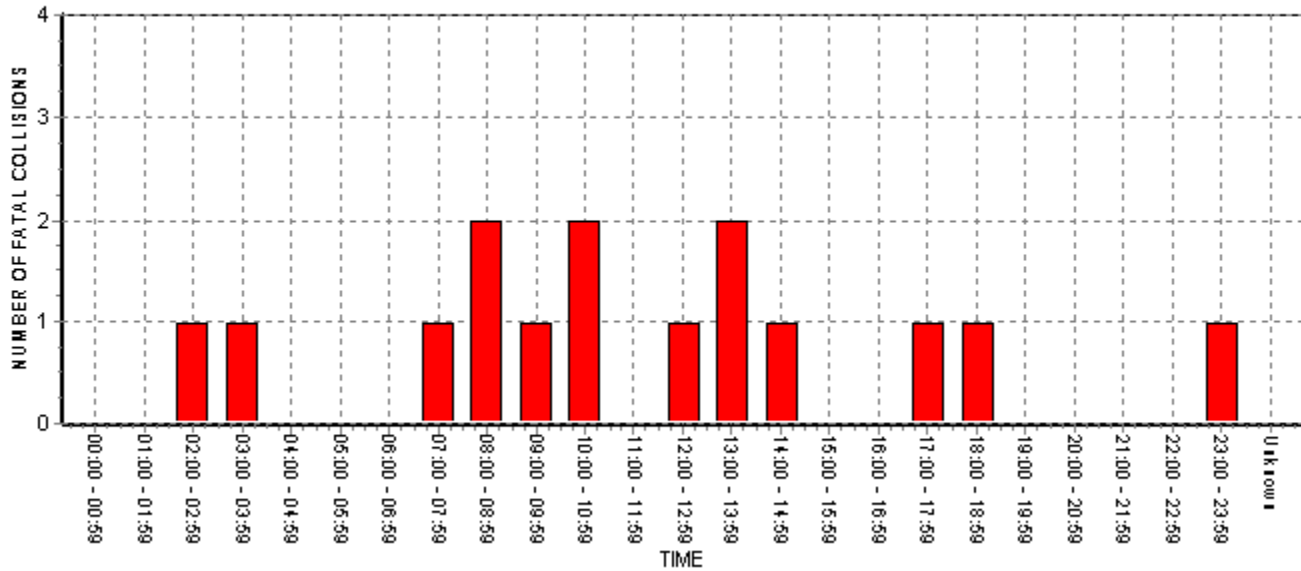


Figure 2.6.1 Total number of reported collisions by hour of day (Fatal)





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Figure 2.6.2 Total number of reported collisions by hour of day (Injury)

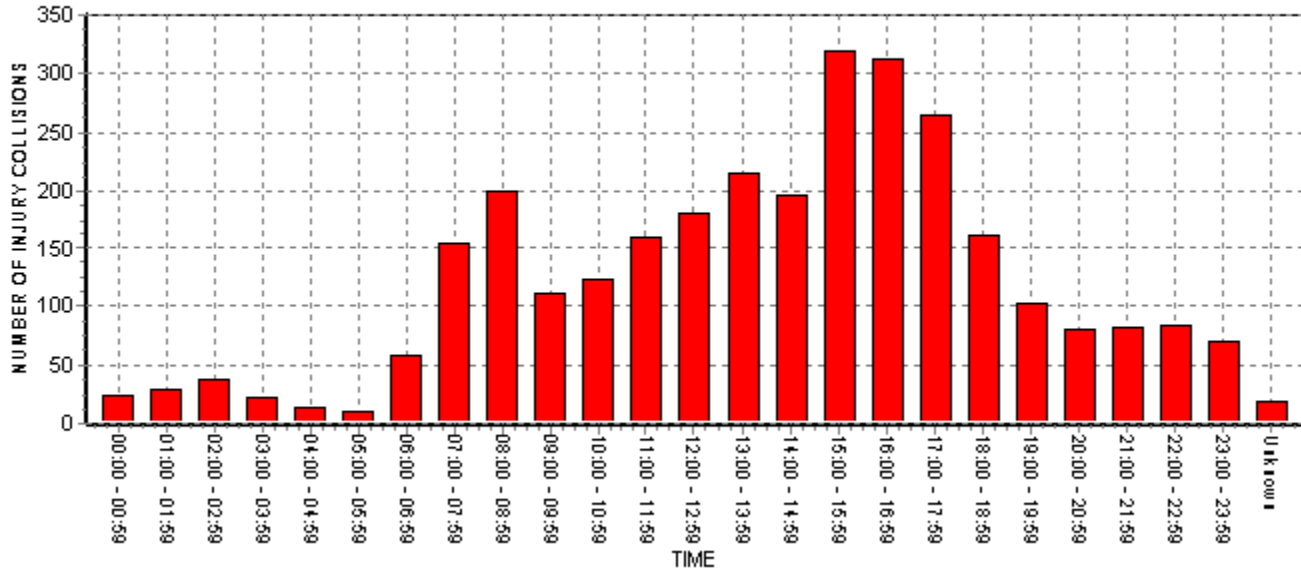
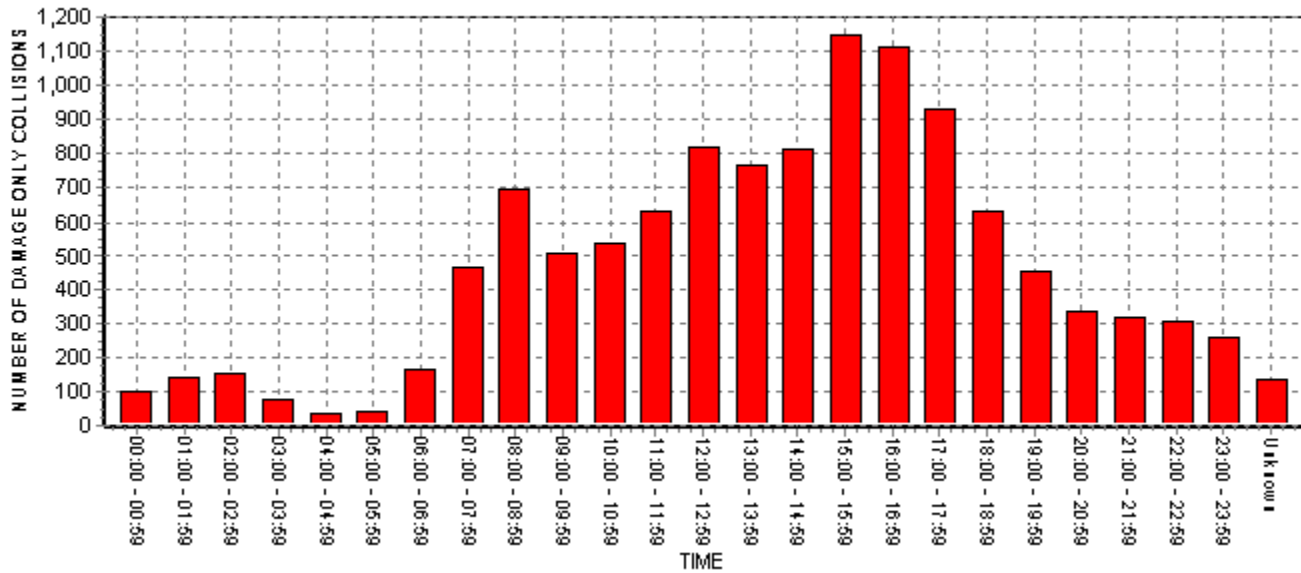


Figure 2.6.3 Total number of reported collisions by hour of day (P.D. only)



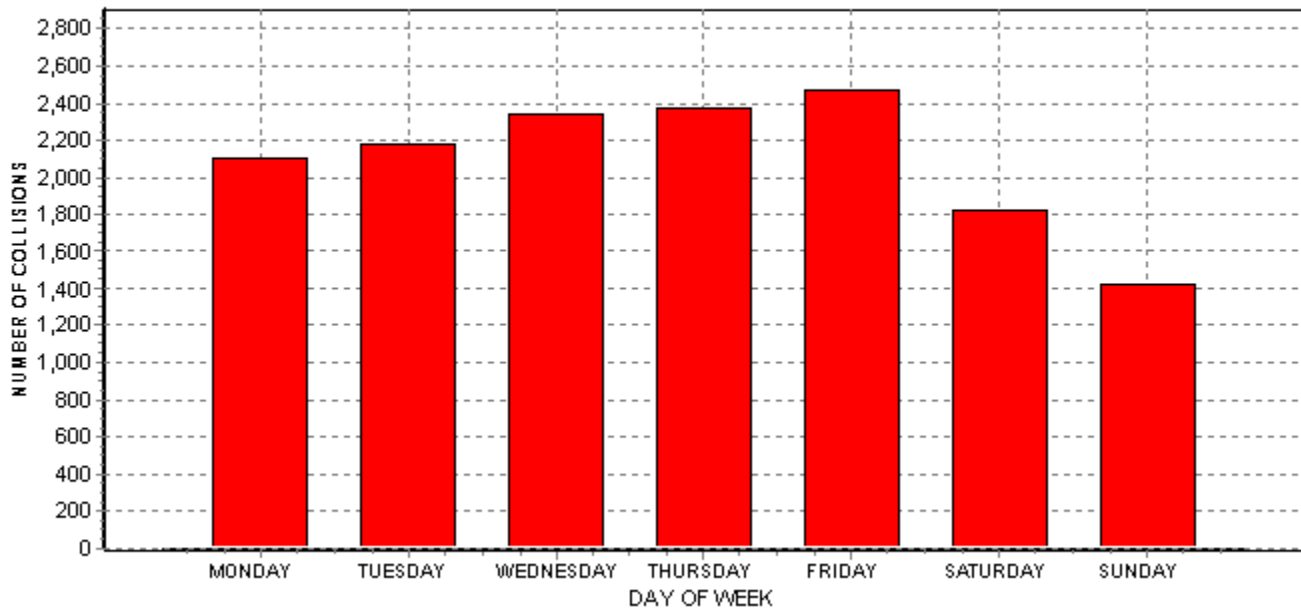


Analysis Period: 1 January 2005 - 31 December 2005

Figure 2.7 Total number of reported collisions by severity and day of week

Day Of Week	Fatal	Injury	Property Dmg. Only	Reported Collisions
MONDAY	1	461	1642	2104
TUESDAY	1	470	1708	2179
WEDNESDAY	1	468	1876	2345
THURSDAY	3	477	1889	2369
FRIDAY	1	496	1977	2474
SATURDAY	5	383	1439	1827
SUNDAY	3	304	1118	1425
TOTAL	15	3059	11649	14723

Figure 2.8 Total number of reported collisions by day of week



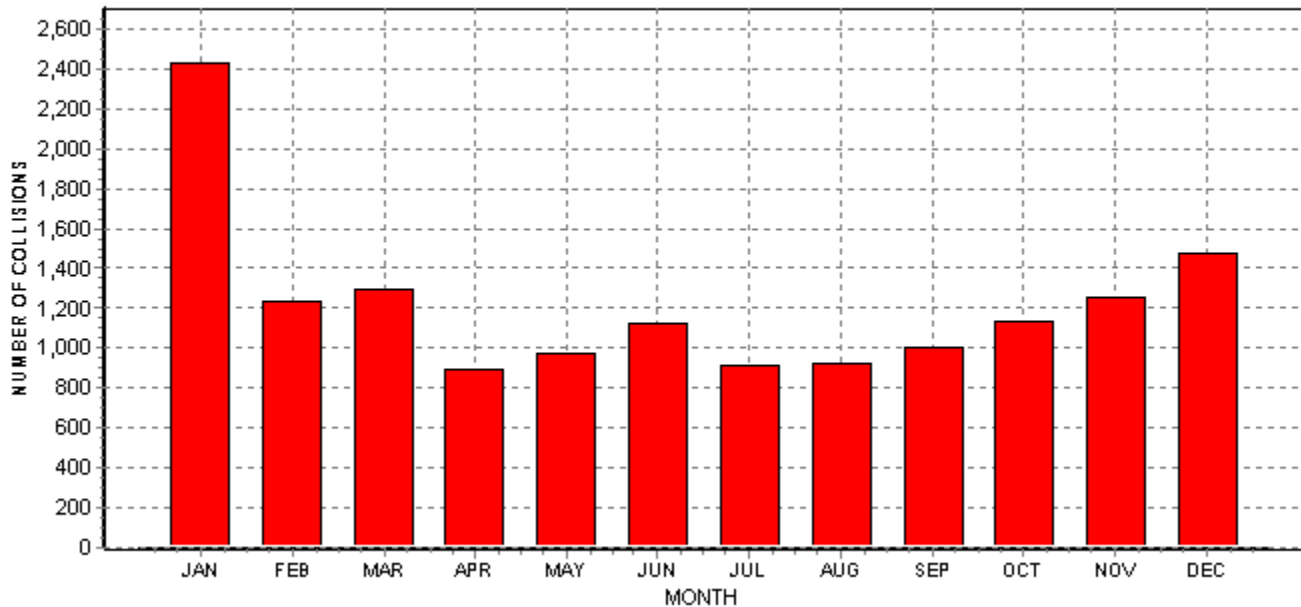


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Figure 2.9 Total number of reported collisions by month of year

Month	Fatal	Injury	Property Dmg. Only	Reported Collisions
JANUARY	1	360	2067	2428
FEBRUARY	3	222	1019	1244
MARCH	0	278	1023	1301
APRIL	0	195	701	896
MAY	2	249	734	985
JUNE	3	290	840	1133
JULY	1	225	690	916
AUGUST	1	198	732	931
SEPTEMBER	0	243	769	1012
OCTOBER	2	285	856	1143
NOVEMBER	1	258	997	1256
DECEMBER	1	256	1221	1478
TOTAL	15	3059	11649	14723

Figure 2.10 Total number of reported collisions by month of year

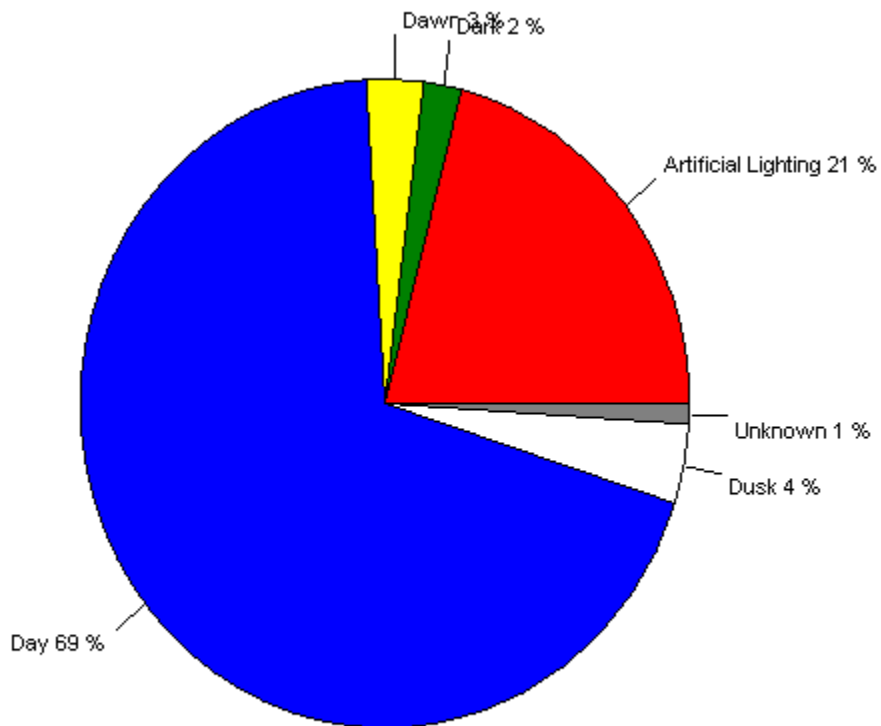


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Figure 2.11 Total number of reported collisions by severity and light condition

Light Condition	Fatal	Injury	Property Dmg. Only	Reported Collisions
Artificial Lighting	3	604	2516	3123
Dark	0	64	290	354
Dawn	1	99	298	398
Day	11	2150	7956	10117
Dusk	0	120	474	594
Unknown	0	22	115	137
TOTAL	15	3059	11649	14723

Figure 2.12 Percentage of total number of reported collisions by light condition



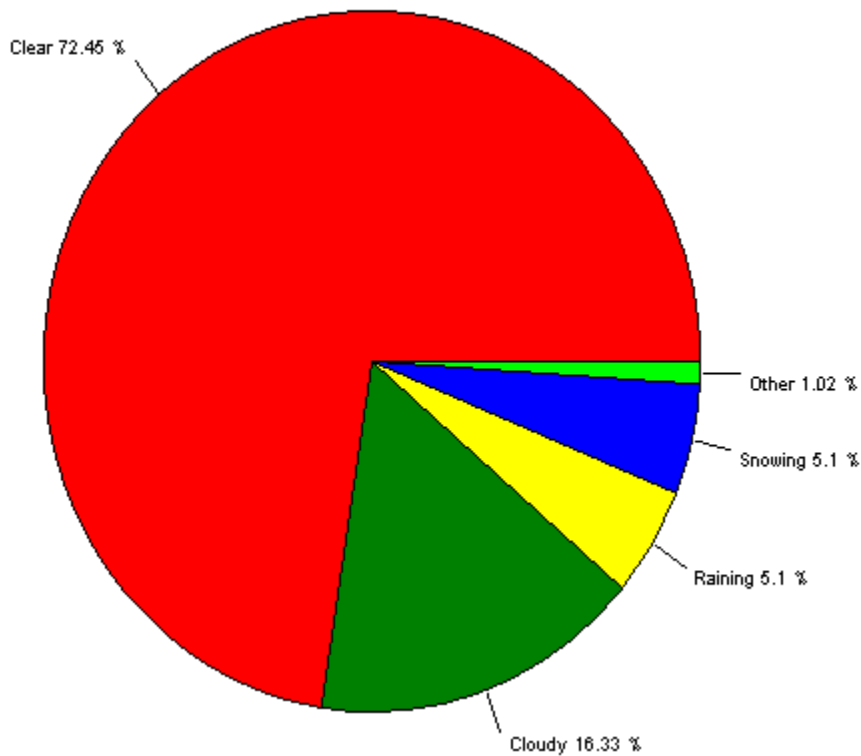


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Figure 2.13 Total number of reported collisions by environment condition

Weather Condition	Fatal	Injury	Property Dmg. Only	Reported Collisions
Clear	12	2156	8313	10481
Cloudy	3	529	1840	2372
Drifting Snow	0	6	39	45
Fog or Mist	0	10	43	53
Freezing Rain / Sleet / Hail	0	7	39	46
Raining	0	194	582	776
Smoke or Dust	0	2	0	2
Snowing	0	145	650	795
Strong Winds	0	1	13	14
Unknown	0	9	130	139
TOTAL	15	3059	11649	14723

Figure 2.14 Percentage of total number of reported collisions by environment condition



NOTE: Items less than 5% are combined into 'Other' category



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Figure 2.15 Total number of reported collisions by severity and road location

Road Location	Fatal	%	Injury	%	Damage	%	Collisions	%
Intersection	8	0.05	2322	15.77	7417	50.38	9747	66.20
Non-Intersection	7	0.05	737	5.01	4232	28.74	4976	33.80
TOTAL	15	0.10	3059	20.78	11649	79.12	14723	100.00



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Figure 2.16 Total number of reported collisions by road surface condition and by road location

Road Surface Condition	Intersection	Non-Intersection	Reported Collisions
Dry	5744	2797	8541
Fresh Oil	1	0	1
Ice	1914	1038	2952
Loose Sand/Gravel/Dirt	11	8	19
Mud	5	4	9
Slush	131	76	207
Snow	717	545	1262
Wet	1146	459	1605
Unknown	78	49	127
TOTAL	9747	4976	14723