

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 2004 - 31 December 2004

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

Road Location	Fatal	Injury	Property Dmg. Only	Reported Collisions
Fixed Object	5	154	892	1051
Head On	0	45	88	133
Intersection 90 Degree	9	658	1959	2626
Left Turn (Left w/ Thru)	0	331	880	1211
Left Turn (Opp Dir)	0	110	338	448
Left Turn (Same Dir)	0	35	197	232
Off Road Left	1	6	18	25
Off Road Right	0	5	40	45
Over-Taking	0	32	248	280
Pedestrian	3	305	2	310
Rear End	1	1611	4887	6499
Right Turn (Opp Dir)	0	42	83	125
Right Turn (Same Dir)	0	32	162	194
Sideswipe (Opposing)	1	47	253	301
Sideswipe (Same Dir)	0	166	1884	2050
Unknown	0	34	279	313
<b>TOTAL</b>	<b>20</b>	<b>3613</b>	<b>12210</b>	<b>15843</b>



Analysis Period: 1 January 2004 - 31 December 2004

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

Road Location	Fatal	Injury	Property Dmg. Only	Reported Collisions
4-Way Stop	0	40	97	137
Flashing School Signals	0	2	3	5
Flashing Signal Light	0	7	11	18
Left Turn on Red	0	1	5	6
Merge	0	8	12	20
Officer/Flagman/School Guard	0	3	4	7
Overhead Signs	0	1	0	1
Pedestrian Corridor	0	66	122	188
Pedestrian Crosswalk	0	23	45	68
R.R. Auto Controls	0	0	1	1
R.R. Crossing	0	1	5	6
R.R. Gates	0	1	6	7
Right Turn on Red	0	4	2	6
School Crossing	0	0	1	1
School Zone	0	1	0	1
Stop	5	524	1584	2113
Traffic Signal/Control Device	4	1693	4941	6638
Turn Controls	0	0	1	1
Unknown	11	1086	4992	6089
Yield	0	152	378	530
<b>TOTAL</b>	<b>20</b>	<b>3613</b>	<b>12210</b>	<b>15843</b>



Analysis Period: 1 January 2004 - 31 December 2004

**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	4	17	21
Between Intersections	10	751	3695	4456
Bridge/Overpass	0	39	165	204
Intersection	9	2636	7574	10219
Intersection of Private Drive/Lane	1	170	685	856
Off-Road	0	0	6	6
Parking Lot (Intersection)	0	1	2	3
Passing/Climbing Lane	0	1	0	1
Railroad Level Crossing	0	4	27	31
Tunnel/Underpass	0	7	28	35
Unknown	0	0	11	11
<b>TOTAL</b>	<b>20</b>	<b>3613</b>	<b>12210</b>	<b>15843</b>

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



Analysis Period: 1 January 2004 - 31 December 2004

**Figure 2.4 Total number of reported collisions by type of vehicle**

Vehicle Type	Number Of Collisions	Percentage
Ambulance	9	0.04
Automobile	13697	57.02
Bicycle	242	1.01
Bus (Other)	8	0.03
Construction Equipment	52	0.22
Farm Equipment	1	0.00
Fire	14	0.06
Inter-City Bus	15	0.06
Mini-Van/Multi-Purpose Van	2555	10.64
Mobility Vehicle	2	0.01
Moped	2	0.01
Motocycle/Scooter	65	0.27
Motorhome	8	0.03
Paratransit Bus	8	0.03
Pick-Up Under 4500 kg	2343	9.75
Police	73	0.30
Power Unit for Semi-Trailer	233	0.97
SUV	1225	5.10
School Bus	29	0.12
Snowmobile	1	0.00
Train/Other Rail Vehicle	4	0.02
Transit Bus (Urban)	132	0.55
Truck (Other)	156	0.65
Truck Over 4500 kg (Unit Chassis)	268	1.12
Truck/Camper	8	0.03
Unknown	2264	9.42
Van Under 4500 kg	608	2.53
<b>TOTAL</b>	<b>24022</b>	

**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 2004 - 31 December 2004

**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	14	9	17	17	19	41	44	161	1.0
01:00 - 01:59	19	19	16	23	31	32	46	186	1.2
02:00 - 02:59	14	15	17	23	25	64	48	206	1.3
03:00 - 03:59	7	9	9	10	14	38	35	122	0.8
04:00 - 04:59	7	5	8	5	7	22	13	67	0.4
05:00 - 05:59	4	10	5	11	10	13	11	64	0.4
06:00 - 06:59	47	49	46	37	22	18	17	236	1.5
07:00 - 07:59	114	117	96	116	111	23	13	590	3.7
08:00 - 08:59	190	182	148	140	186	41	21	908	5.7
09:00 - 09:59	116	134	108	99	111	61	63	692	4.4
10:00 - 10:59	127	106	105	94	128	90	63	713	4.5
11:00 - 11:59	135	146	137	154	180	98	69	919	5.8
12:00 - 12:59	161	149	168	168	195	144	116	1101	6.9
13:00 - 13:59	161	136	133	148	196	119	124	1017	6.4
14:00 - 14:59	162	162	158	195	202	156	130	1165	7.4
15:00 - 15:59	247	244	266	232	261	151	112	1513	9.5
16:00 - 16:59	253	261	256	271	325	149	118	1633	10.3
17:00 - 17:59	183	202	193	214	226	120	72	1210	7.6
18:00 - 18:59	116	127	150	133	151	110	77	864	5.5
19:00 - 19:59	68	99	88	98	119	76	64	612	3.9
20:00 - 20:59	74	58	77	74	84	58	49	474	3.0
21:00 - 21:59	74	56	60	84	75	70	41	460	2.9
22:00 - 22:59	46	43	46	56	96	59	42	388	2.4
23:00 - 23:59	32	27	30	54	82	43	32	300	1.9
Unknown	41	31	22	39	41	35	33	242	1.5
<b>TOTAL</b>	<b>2412</b>	<b>2396</b>	<b>2359</b>	<b>2495</b>	<b>2897</b>	<b>1831</b>	<b>1453</b>	<b>15843</b>	<b>100 %</b>
<b>Percentage</b>	<b>15.2</b>	<b>15.1</b>	<b>14.9</b>	<b>15.7</b>	<b>18.3</b>	<b>11.6</b>	<b>9.2</b>		

**NOTE:** 'Unknown' hour means no time recorded



Analysis Period: 1 January 2004 - 31 December 2004

Figure 2.6 Total number of reported collisions by hour of day

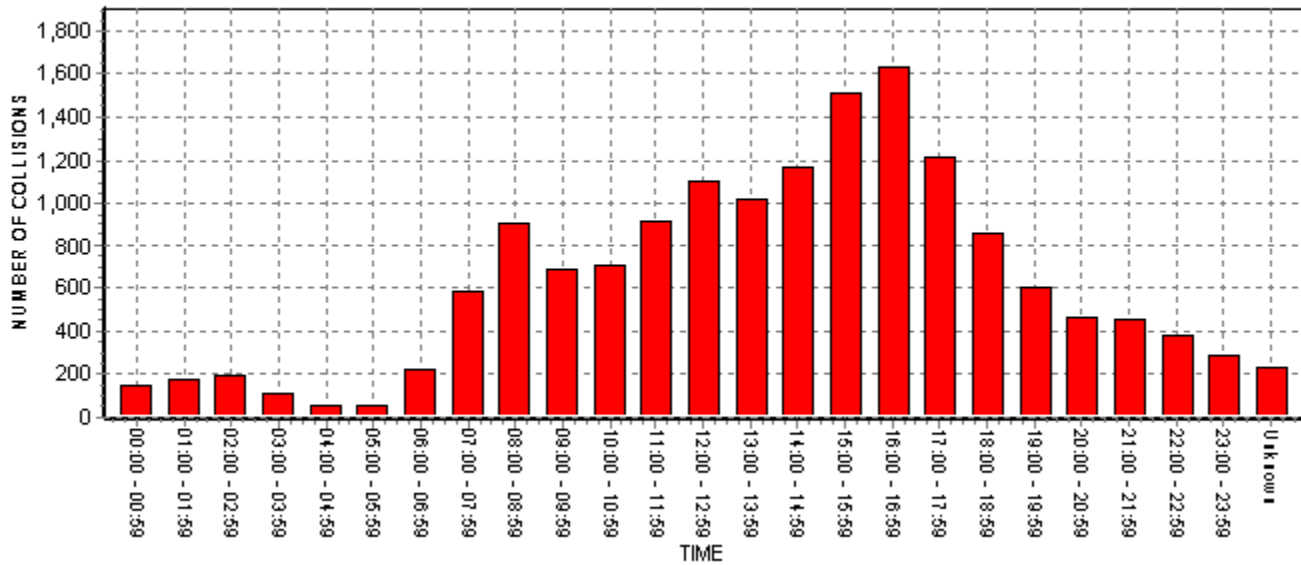
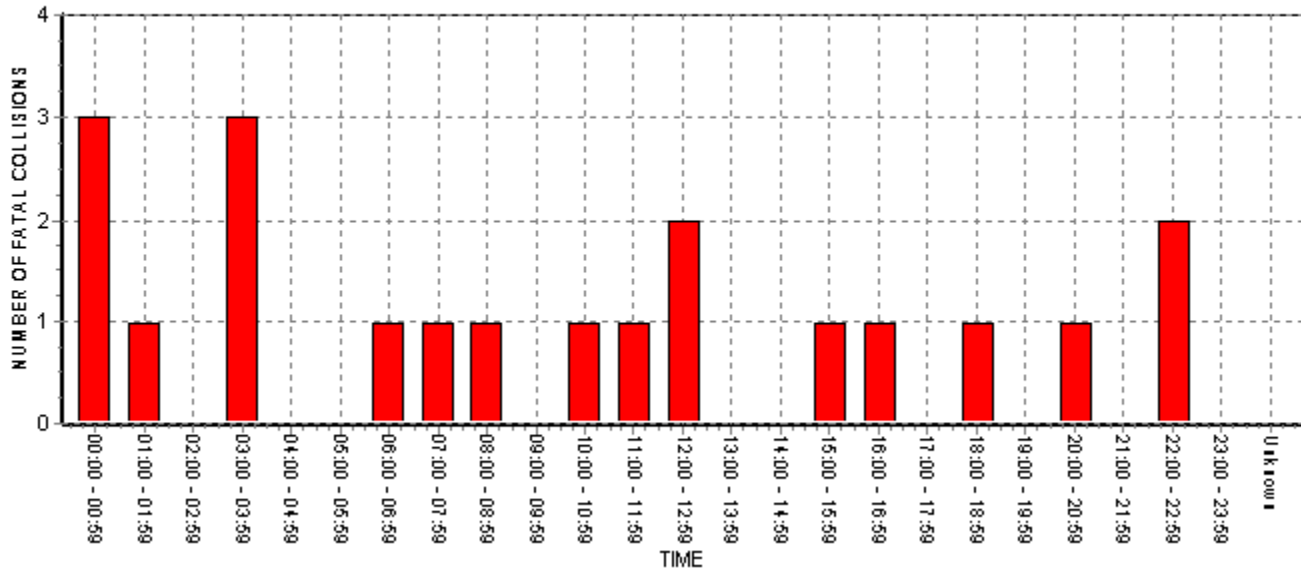


Figure 2.6.1 Total number of reported collisions by hour of day (Fatal)



Analysis Period: 1 January 2004 - 31 December 2004

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

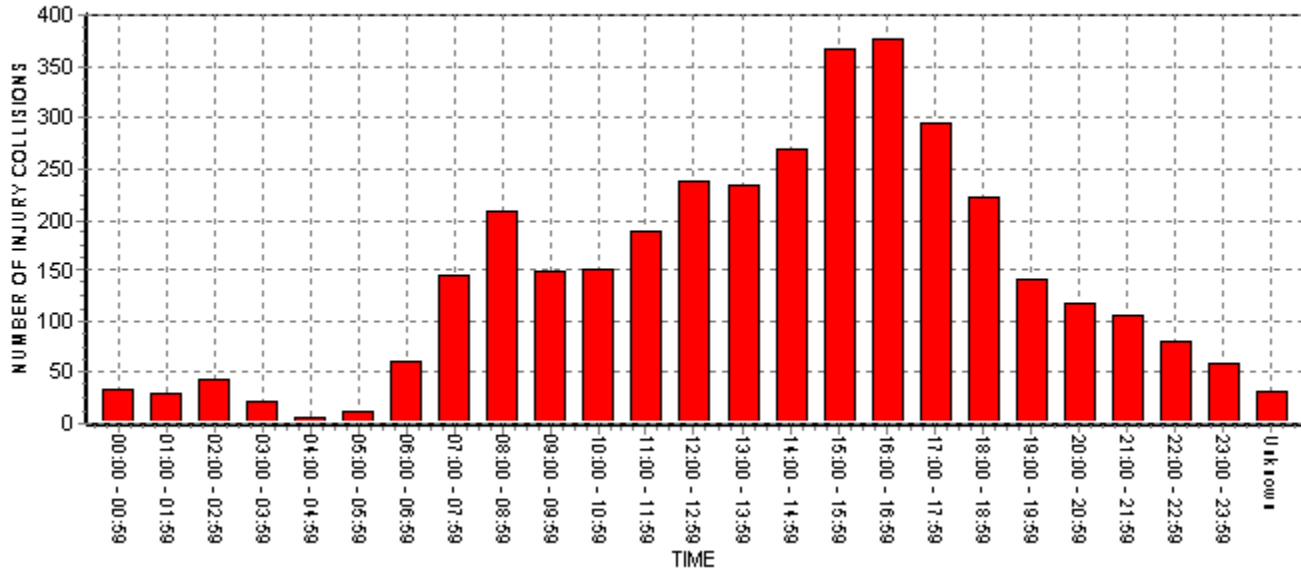
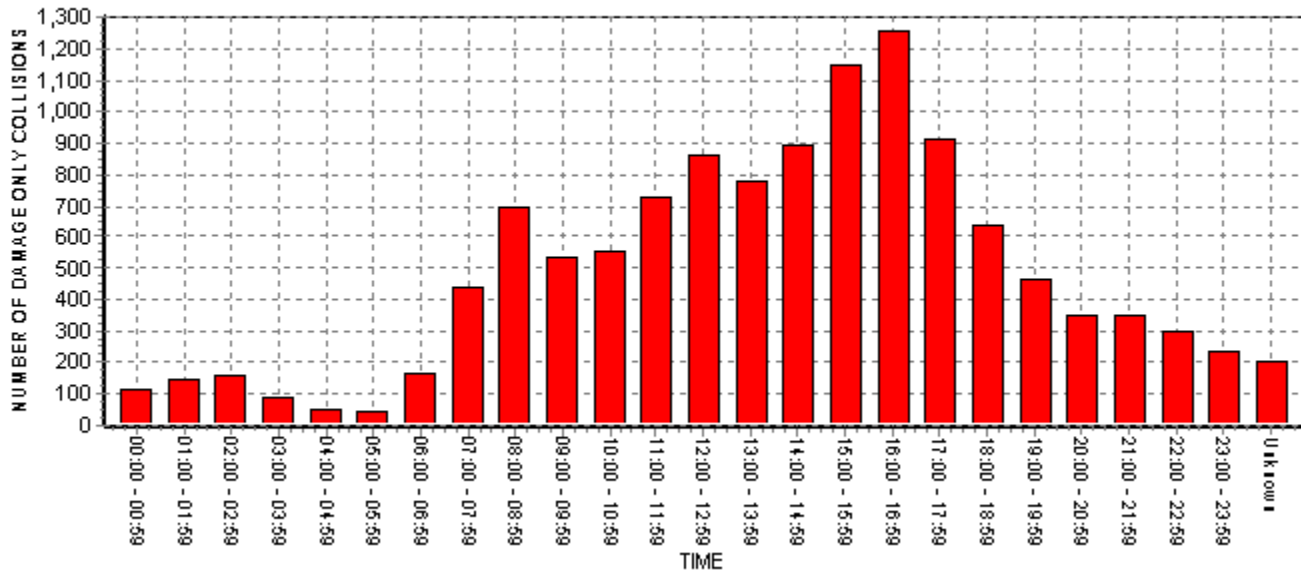


Figure 2.6.3 Total number of reported collisions by hour of day (P.D. only)



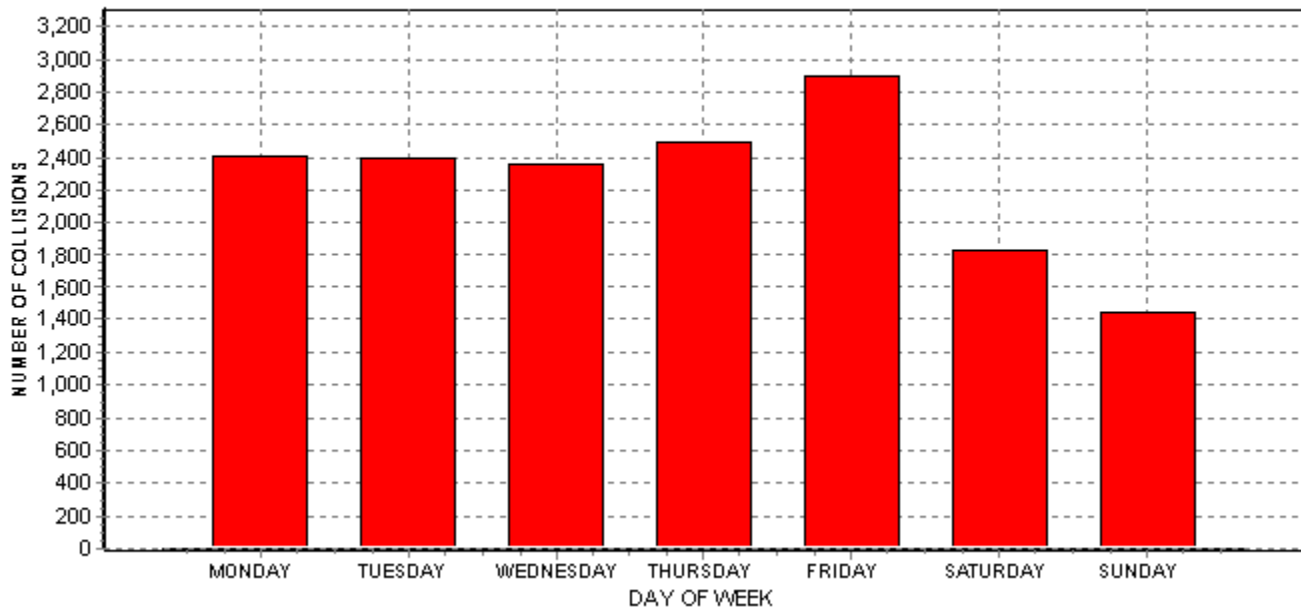


Analysis Period: 1 January 2004 - 31 December 2004

**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	2	545	1865	2412
TUESDAY	2	537	1857	2396
WEDNESDAY	2	547	1810	2359
THURSDAY	3	615	1877	2495
FRIDAY	5	620	2272	2897
SATURDAY	1	427	1403	1831
SUNDAY	5	322	1126	1453
<b>TOTAL</b>	<b>20</b>	<b>3613</b>	<b>12210</b>	<b>15843</b>

**Figure 2.8 Total number of reported collisions by day of week**



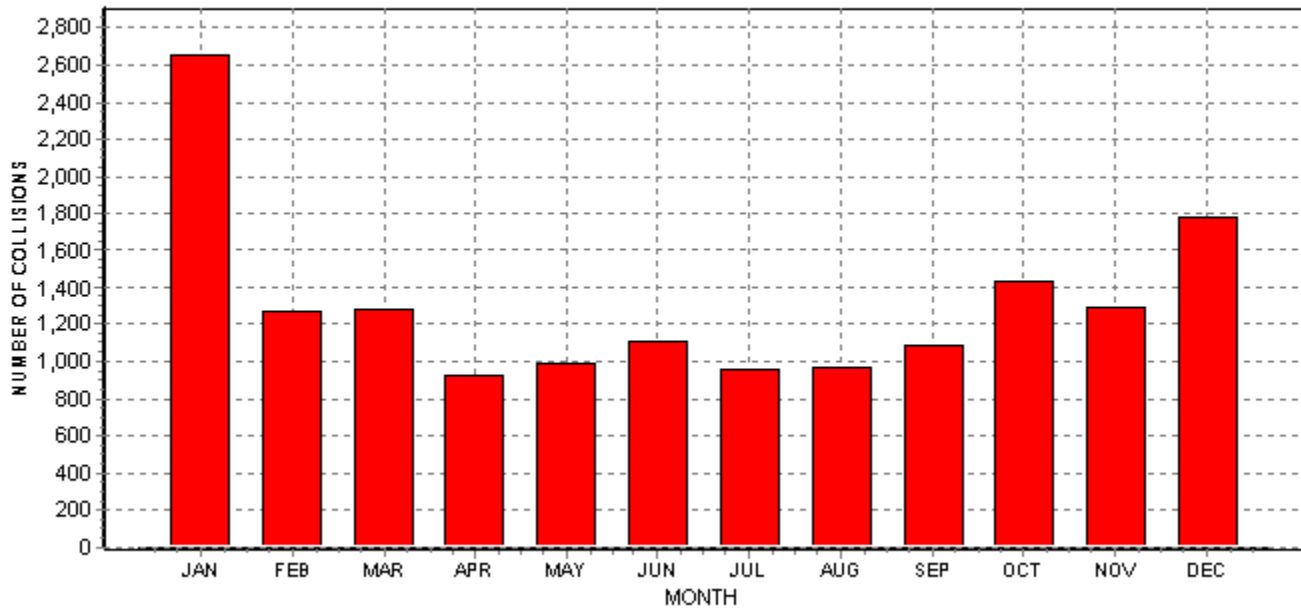


Analysis Period: 1 January 2004 - 31 December 2004

**Figure 2.9 Total number of reported collisions by month of year**

Month	Fatal	Injury	Property Dmg. Only	Reported Collisions
JANUARY	1	459	2192	2652
FEBRUARY	1	261	1021	1283
MARCH	0	281	1003	1284
APRIL	2	242	693	937
MAY	2	239	763	1004
JUNE	3	311	807	1121
JULY	4	275	691	970
AUGUST	0	279	701	980
SEPTEMBER	3	329	765	1097
OCTOBER	1	358	1077	1436
NOVEMBER	3	261	1032	1296
DECEMBER	0	318	1465	1783
<b>TOTAL</b>	<b>20</b>	<b>3613</b>	<b>12210</b>	<b>15843</b>

**Figure 2.10 Total number of reported collisions by month of year**

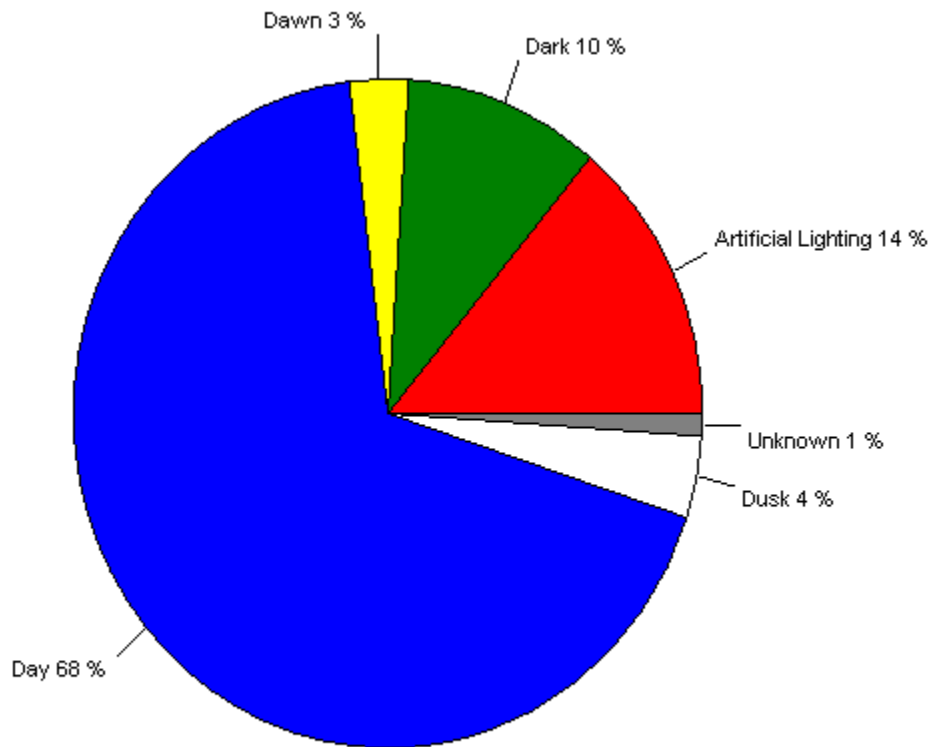


Analysis Period: 1 January 2004 - 31 December 2004

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

Light Condition	Fatal	Injury	Property Dmg. Only	Reported Collisions
Artificial Lighting	4	415	1793	2212
Dark	6	350	1238	1594
Dawn	1	84	326	411
Day	9	2578	8174	10761
Dusk	0	153	528	681
Unknown	0	33	151	184
<b>TOTAL</b>	<b>20</b>	<b>3613</b>	<b>12210</b>	<b>15843</b>

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



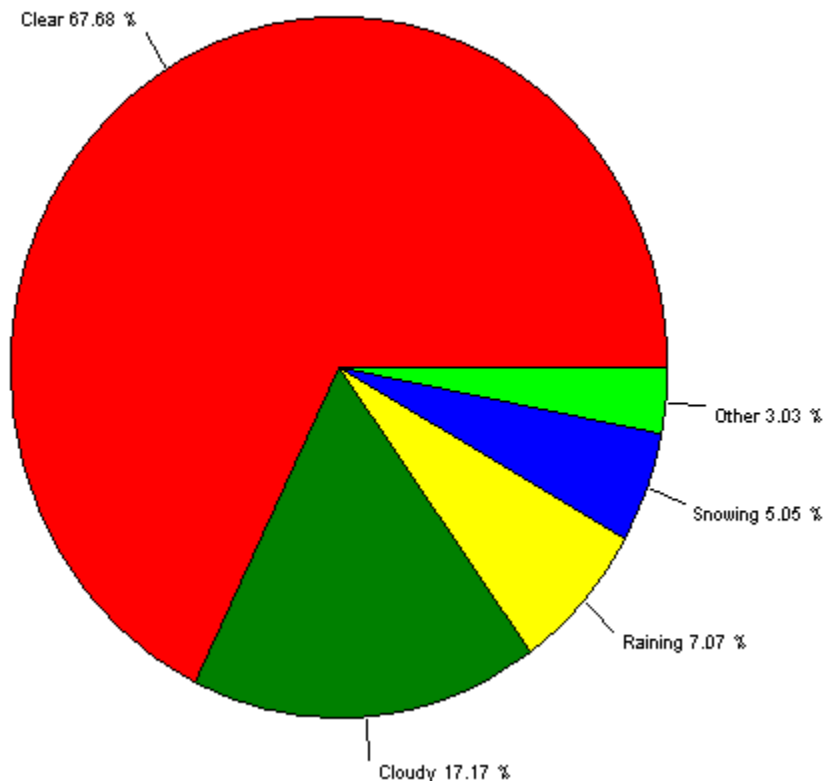


Analysis Period: 1 January 2004 - 31 December 2004

**Figure 2.13 Total number of reported collisions by environment condition**

Weather Condition	Fatal	Injury	Property Dmg. Only	Reported Collisions
Clear	15	2477	8098	10590
Cloudy	4	629	2077	2710
Drifting Snow	0	12	37	49
Fog or Mist	0	16	70	86
Freezing Rain / Sleet / Hail	0	10	47	57
Raining	1	300	828	1129
Smoke or Dust	0	1	0	1
Snowing	0	134	708	842
Strong Winds	0	3	17	20
Unknown	0	31	328	359
<b>TOTAL</b>	<b>20</b>	<b>3613</b>	<b>12210</b>	<b>15843</b>

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



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



Analysis Period: 1 January 2004 - 31 December 2004

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

Road Location	Fatal	%	Injury	%	Damage	%	Collisions	%
Intersection	9	0.06	2636	16.64	7574	47.81	10219	64.50
Non-Intersection	11	0.07	977	6.17	4636	29.26	5624	35.50
<b>TOTAL</b>	<b>20</b>	<b>0.13</b>	<b>3613</b>	<b>22.81</b>	<b>12210</b>	<b>77.07</b>	<b>15843</b>	<b>100.00</b>



Analysis Period: 1 January 2004 - 31 December 2004

**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	5235	2681	7916
Fresh Oil	1	0	1
Ice	2297	1547	3844
Loose Sand/Gravel/Dirt	21	15	36
Mud	9	6	15
Slush	121	81	202
Snow	779	494	1273
Unknown	200	153	353
Wet	1556	647	2203
<b>TOTAL</b>	<b>10219</b>	<b>5624</b>	<b>15843</b>