# Monitoring Speeding In Middlewich

King Street and Warmingham Lane

January 2018 to June 2023

## Monitoring Speeding In Middlewich

Most towns including Middlewich there is a perception of speeding. This was discussed by residents in the local MTC Town Council meetings on many occasions in the past

Consequently, it was decided to purchase two Vehicle-activated signs (VAS), or Speed Indicator Devices (SID's) to be placed on specific roads, namely Warmingham Lane and King Street where residents and the Council believed there were major concerns.

The two were purchased from TWM based in Winsford, who after calibration at thirty miles per hour installed them at the required locations in 2018

The added benefit to advise motorist of the speed they were traveling at was to record actual speeds and traffic loading on a daily basis, over hourly intervals

With data now available, from to 2018 to present day, the Town Council have decided to re-position the SID's to other 'Hot Spots' in the town.

MTC registered this request recently and in both asking for the SID's to be-sited. Town Council wishes to collaborate with CEC the information from the data collected, which is in this presentation. The Council is willing to hold any discussions with CEC to find a way forward

The Town Council is asking CEC Highways the process for carrying out this request and potential timescale

## King Street

#### Traffic Report King Street

#### Traffic Overview from Mon Jun 11 2018 to Sun Jan 9 2022 Vehicle Speed Classes (Mph)

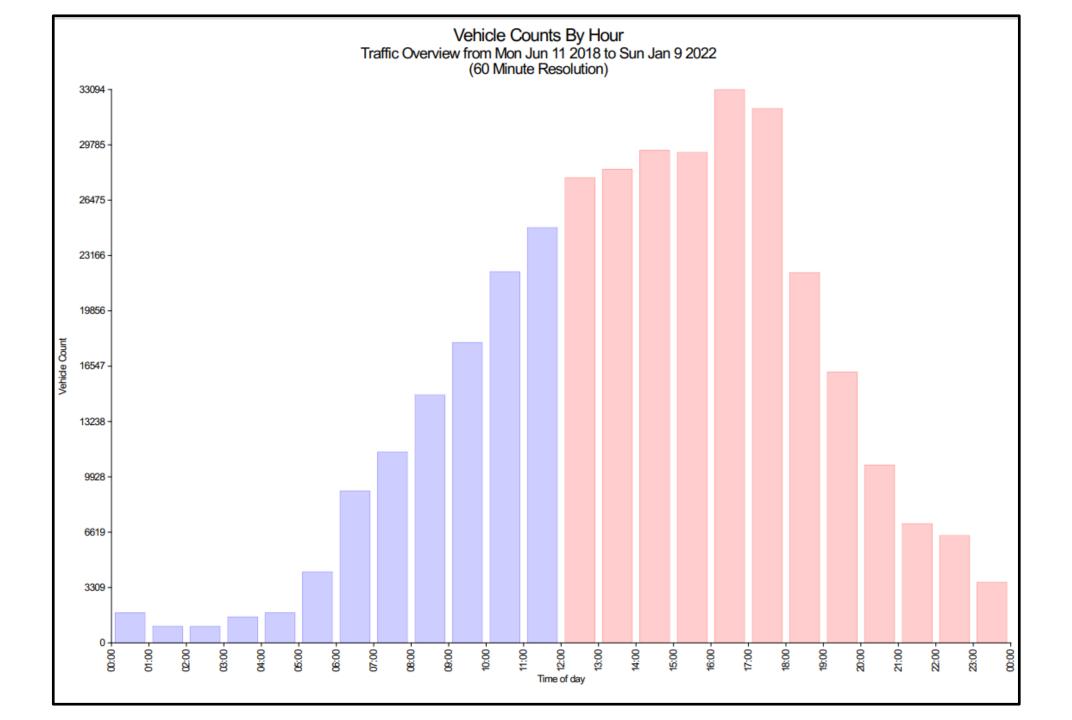
		<15	15 20	20 25	25 30	30 35	35 40	40 45	45 50	50 55	55 60	60 65	65 70	>70	Total	85th Percentile
	00:00	0	8	70	647	742	247	57	15	5	2	1	0	0	1794	34.7
	01:00	1	5	44	296	455	137	46	15	4	0	0	0	0	1003	35.2
	02:00	0	2	22	288	433	220	27	2	1	0	0	0	0	995	35.3
	03:00	0	0	38	358	728	361	59	11	3	0	0	0	0	1558	35.9
	04:00	3	4	20	348	869	478	69	10	1	1	0	0	0	1803	36.0
	05:00	4	11	44	903	2155	945	177	15	1	1	0	0	0	4256	35.7
	06:00	2	18	221	2353	4486	1752	235	28	2	0	0	0	0	9097	35.1
	07:00	3	55	398	3786	5392	1555	203	29	2	1	0	0	0	11424	34.1
	08:00	28	102	774	6142	6191	1425	161	18	1	0	0	0	0	14842	33.0
$\geq$	09:00	27	117	1028	7930	7285	1417	143	16	3	0	0	0	1	17967	32.7
day	10:00	25	133	1385	10407	8407	1633	188	17	7	7	0	0	0	22209	32.5
of	11:00	20	185	1779	11792	9135	1668	209	37	15	5	0	1	0	24846	32.4
	12:00	24	171	1755	12342	11050	2138	293	33	7	1	0	0	5	27819	32.7
Time	13:00	25	164	1448	12194	11865	2270	278	43	21	11	0	0	4	28323	32.8
	14:00	28	111	1449	12406	12331	2641	402	49	19	11	0	0	8	29455	33.0
	15:00	31	136	1616	12039	12353	2761	331	44	26	2	0	0	2	29341	33.1
	16:00	12	136	1595	12970	14814	3134	377	49	5	2	0	0	0	33094	33.1
	17:00	4	108	1458	12362	14728	2899	345	50	8	1	0	0	0	31963	33.0
	18:00	3	102	1184	9194	9477	1859	281	40	6	0	0	0	0	22146	32.9
	19:00	7	62	814	6912	6770	1415	191	29	2	1	0	0	0	16203	32.9
	20:00	3	47	594	4596	4303	914	146	30	5	2	0	0	0	10640	32.9
	21:00	4	28	409	3003	2813	710	131	25	6	1	1	0	0	7131	33.4
	22:00	2	18	279	2583	2692	695	123	31	10	0	1	0	0	6434	33.7
	23:00	0	12	167	1420	1473	455	80	16	9	1	0	0	0	3633	34.1
	AM Total	113	640	5823	45250	46278	11838	1574	213	45	17	1	1	1		
	PM Total	143	1095	12768	102021	104669	21891	2978	439	124	33	2	0	19		
	Total Percent	256 0.07%	1735 0.48%	18591 5.19%	147271 41.14%	150947 42.17%	33729 9.42%	4552 1.27%	652 0.18%	169 0.05%	50 0.01%	3 0.00%	1 0.00%	20 0.01%		

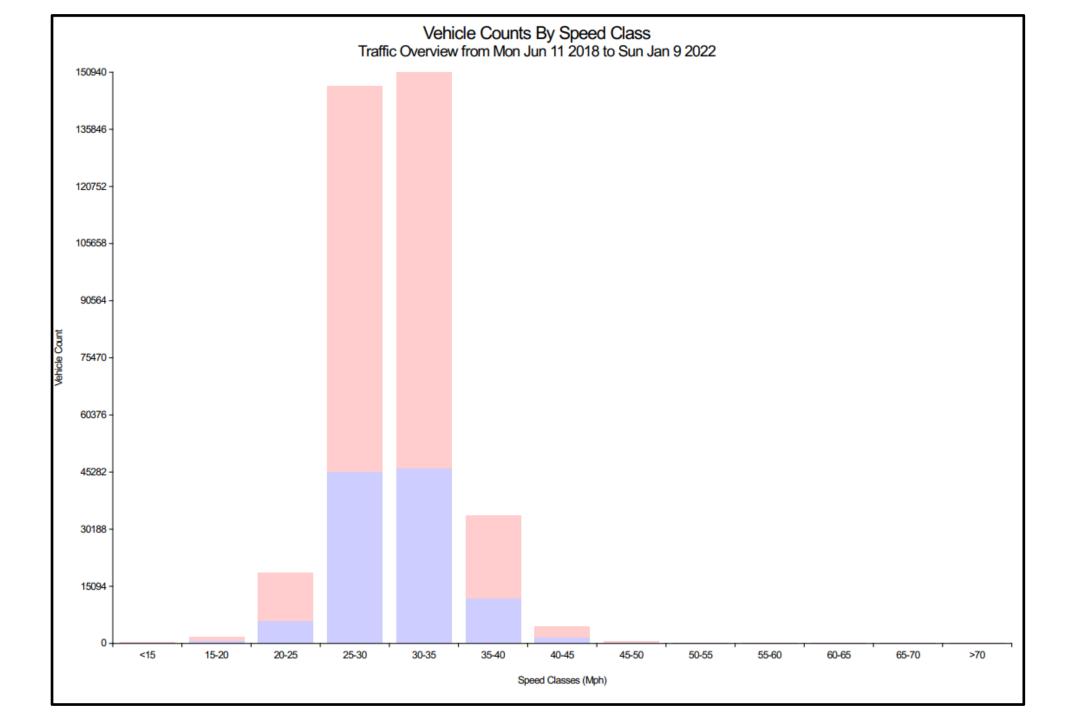
Total Vehicles: 357976

30th Percentile: 27.6 MPH 50th Percentile: 29.3 MPH 85th Percentile: 33.1 MPH 95th Percentile: 36.0 MPH Average Speed: 30.0 MPH Highest Speed: 88.7 MPH

Speed Limit: 30 Mph

Total Over Speed Limit: 53.1 % (190123 / 357976)





#### Traffic Report King Street

#### Traffic Overview from Thu Sep 1 2022 to Tue Feb 14 2023 Vehicle Speed Classes (Mph)

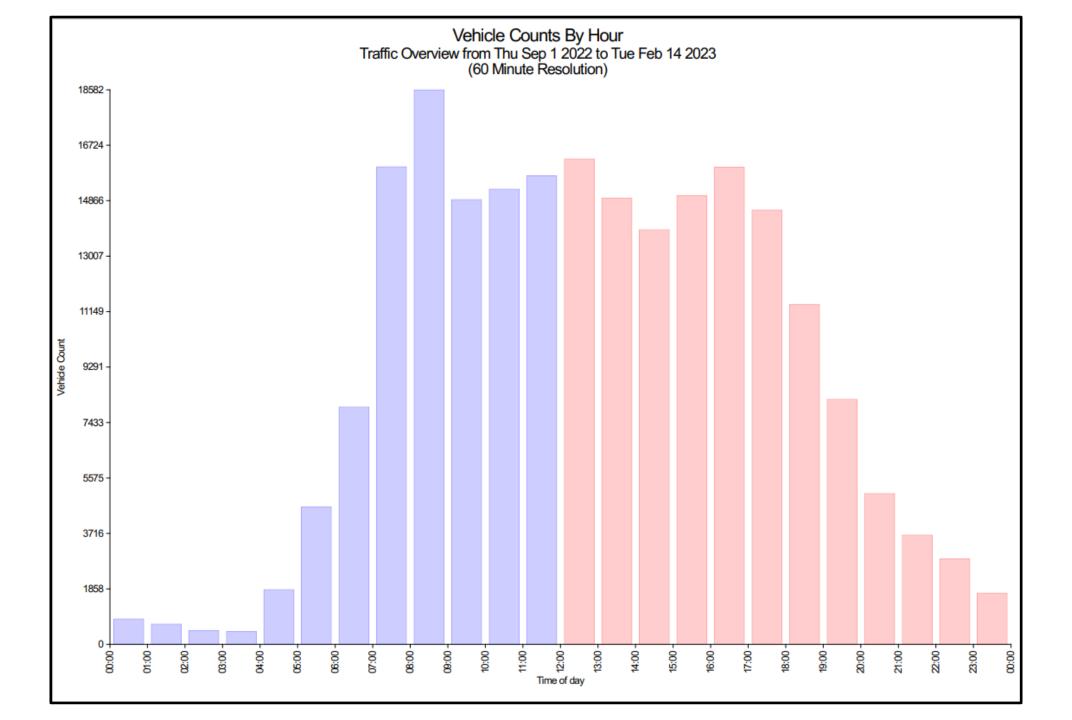
		<15	15 20	20 25	25 30	30 35	35 40	40 45	45 50	50 55	55 60	60 65	65 70	>70	Total	85th Percentile
	00:00	2	6	57	301	329	106	33	15	5	0	0	0	0	854	34.8
	01:00	6	2	29	243	205	108	73	12	2	2	0	0	0	682	38.5
	02:00	1	1	15	134	224	61	20	6	1	0	0	0	0	463	35.0
	03:00	0	1	14	92	193	88	29	6	6	0	0	0	0	429	37.0
	04:00	12	2	47	465	678	456	149	23	4	0	0	0	0	1836	37.9
	05:00	27	8	47	1045	2206	987	260	24	4	0	0	0	0	4608	36.4
	06:00	8	18	150	2037	4021	1449	235	32	8	0	0	0	0	7958	35.0
	07:00	16	129	454	5227	8280	1671	202	24	1	0	0	0	0	16004	33.5
	08:00	10	146	583	5867	9728	2003	224	19	2	0	0	0	0	18582	33.5
>	09:00	22	155	617	5647	6746	1476	209	32	2	1	0	0	0	14907	33.3
day	10:00	17	117	864	6184	6620	1304	133	17	1	0	0	0	0	15257	32.9
ð	11:00	16	124	1027	6515	6488	1344	161	19	8	0	0	0	0	15702	32.9
ø	12:00	8	109	895	6624	6911	1505	193	18	4	1	0	0	0	16268	33.1
Time	13:00	13	104	730	6066	6461	1412	149	18	2	1	0	0	0	14956	33.1
7	14:00	12	131	768	5482	5872	1418	189	22	5	0	0	0	0	13899	33.3
	15:00	13	103	866	6006	6304	1501	216	26	3	1	0	0	0	15039	33.3
	16:00	12	148	779	6409	6820	1592	195	27	7	2	0	0	0	15991	33.3
	17:00	10	111	784	5704	6155	1530	221	34	9	0	1	0	0	14559	33.5
	18:00	7	49	525	4583	4864	1164	164	24	8	2	0	0	0	11390	33.4
	19:00	4	37	446	3483	3257	828	131	23	7	0	0	0	0	8216	33.4
	20:00	11	23	362	1927	2016	568	122	22	6	2	0	0	0	5059	33.8
	21:00	3	24	230	1438	1428	430	96	13	2	1	0	0	0	3665	34.0
	22:00	0	15	140	1100	1167	335	88	9	7	0	0	0	0	2861	34.1
	23:00	1	8	89	629	732	190	49	12	4	0	1	0	0	1715	34.0
	AM Total	137	709	3904	33757	45718	11053	1728	229	44	3	0	0	0		
	PM Total	94	862	6614	49451	51987	12473	1813	248	64	10	2	0	0		
	Total Percent	231 0.10%	1571 0.71%	10518 4.76%	83208 37.67%	97705 44.23%	23526 10.65%	3541 1.60%	477 0.22%	108 0.05%	13 0.01%	2 0.00%	0 0.00%	0 0.00%		

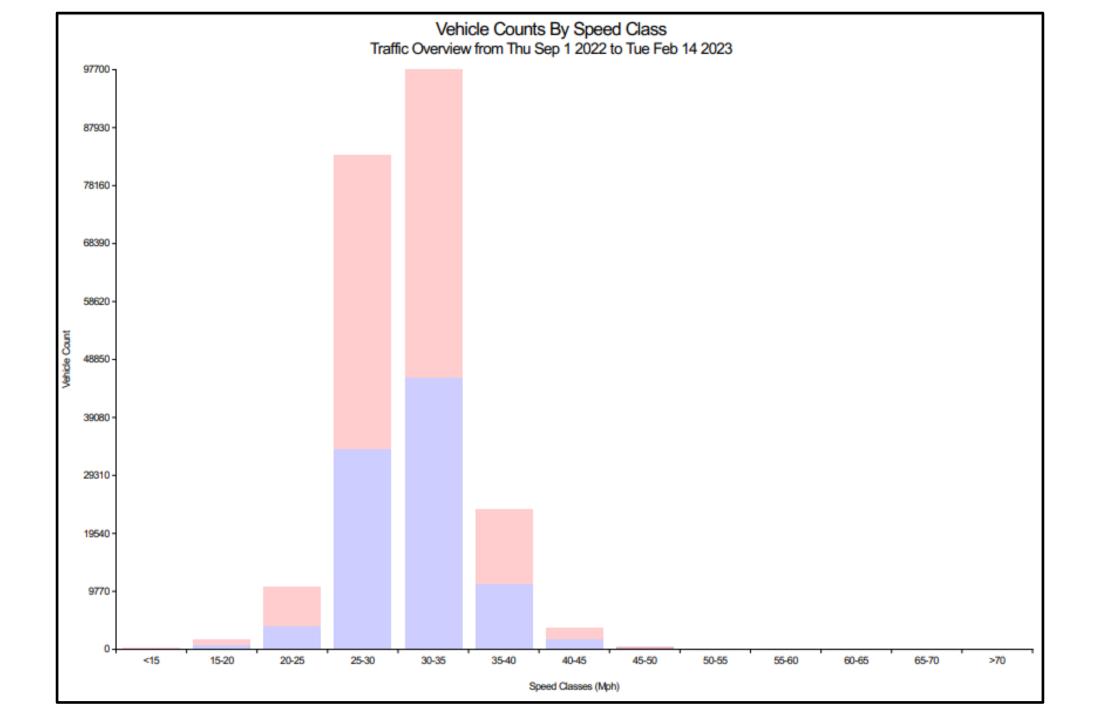
Total Vehicles: 220900

30th Percentile: 27.9 MPH 50th Percentile: 29.6 MPH 85th Percentile: 33.5 MPH 95th Percentile: 36.5 MPH Average Speed: 30.3 MPH Highest Speed: 62.4 MPH

Speed Limit: 30 Mph

Total Over Speed Limit: 56.8 % (125372 / 220900)





#### Traffic Report King Street

#### Traffic Overview from Mon Feb 6 2023 to Mon Jun 26 2023 Vehicle Speed Classes (Mph)

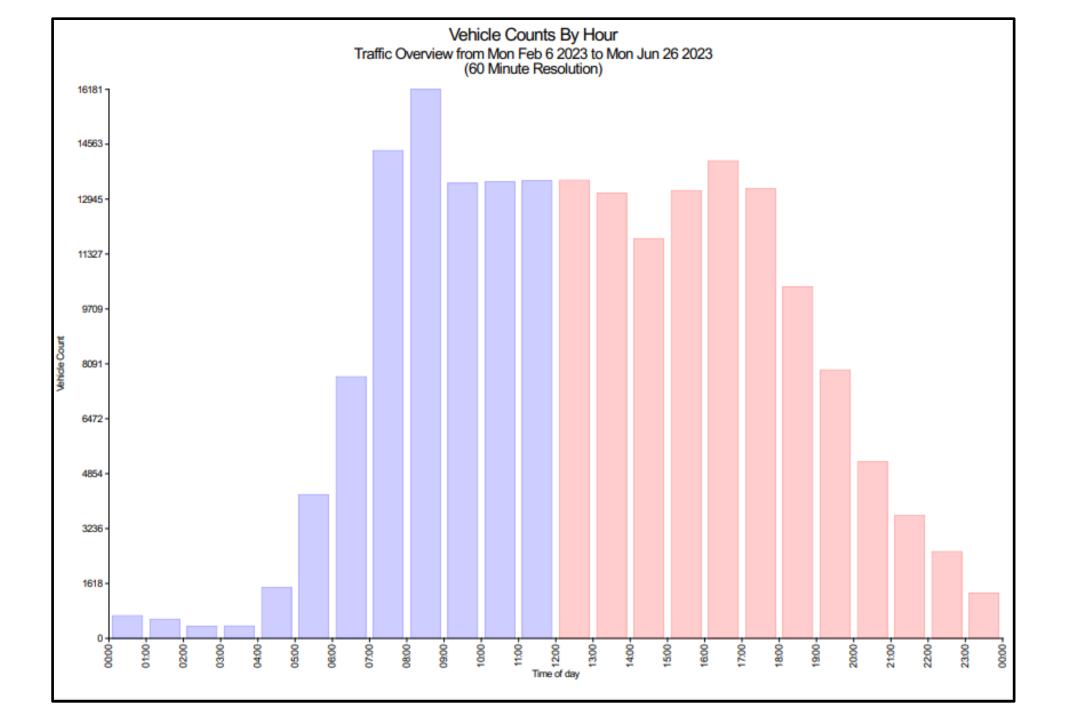
		<15	15 20	20 25	25 30	30 35	35 40	40 45	45 50	50 55	55 60	60 65	65 70	>70	Total	85th Percentile
	00:00	1	4	41	236	270	86	29	8	1	0	0	0	0	676	34.9
	01:00	0	0	28	215	175	86	54	6	1	3	0	0	0	568	37.8
	02:00	1	1	12	103	168	53	14	7	0	1	0	0	0	360	35.0
	03:00	0	0	15	74	172	81	22	5	2	0	0	0	0	371	36.3
	04:00	24	0	38	420	572	369	78	5	1	1	0	0	0	1508	36.7
	05:00	19	3	40	957	2055	862	267	32	4	1	0	0	0	4240	36.5
	06:00	11	16	114	1678	4022	1555	275	46	1	0	0	0	0	7718	35.5
	07:00	7	120	373	4041	7730	1854	230	22	5	1	1	0	0	14384	34.0
	08:00	15	165	559	5010	8434	1797	185	14	1	1	0	0	0	16181	33.6
⋛	09:00	15	153	671	5178	5898	1356	129	15	1	1	0	0	0	13417	33.2
day	10:00	17	122	863	5758	5468	1093	121	20	3	0	0	0	0	13465	32.8
ō	11:00	14	117	878	5708	5451	1164	143	18	2	0	0	0	0	13495	32.8
Time	12:00	16	97	867	5603	5597	1174	140	12	4	3	0	0	0	13513	32.9
Ŀ	13:00	15	109	808	5411	5462	1143	155	20	2	1	0	0	0	13126	33.0
	14:00	15	117	633	4748	4946	1157	144	20	5	0	0	0	0	11785	33.3
	15:00	13	88	819	5380	5398	1297	183	22	3	0	0	0	0	13203	33.3
	16:00	6	108	736	5299	6180	1512	212	26	4	1	0	0	0	14084	33.5
	17:00	17	137	699	4870	5787	1477	226	30	7	0	0	0	0	13250	33.7
	18:00	13	62	517	4161	4270	1116	182	35	4	0	0	0	0	10360	33.6
	19:00	7	33	445	3175	3237	870	127	15	3	3	0	0	0	7915	33.5
	20:00	2	22	314	2071	2115	556	98	20	7	0	1	0	0	5206	33.6
	21:00	1	15	252	1511	1361	375	90	18	7	1	0	0	0	3631	33.6
	22:00	1	14	165	1022	957	316	66	18	4	0	1	0	0	2564	34.2
	23:00	0	7	92	472	533	175	40	10	2	0	0	0	0	1331	34.4
	AM Total PM Total	124 106	701 809	3632 6347	29378 43723	40415 45843	10356 11168	1547 1663	198 246	22 52	9	1 2	0	0		
	Total Percent	230 0.12%	1510 0.77%	9979 5.08%	73101 37.23%	86258 43.93%	21524 10.96%	3210 1.63%	444 0.23%	74 0.04%	18 0.01%	3 0.00%	0 0.00%	0 0.00%		

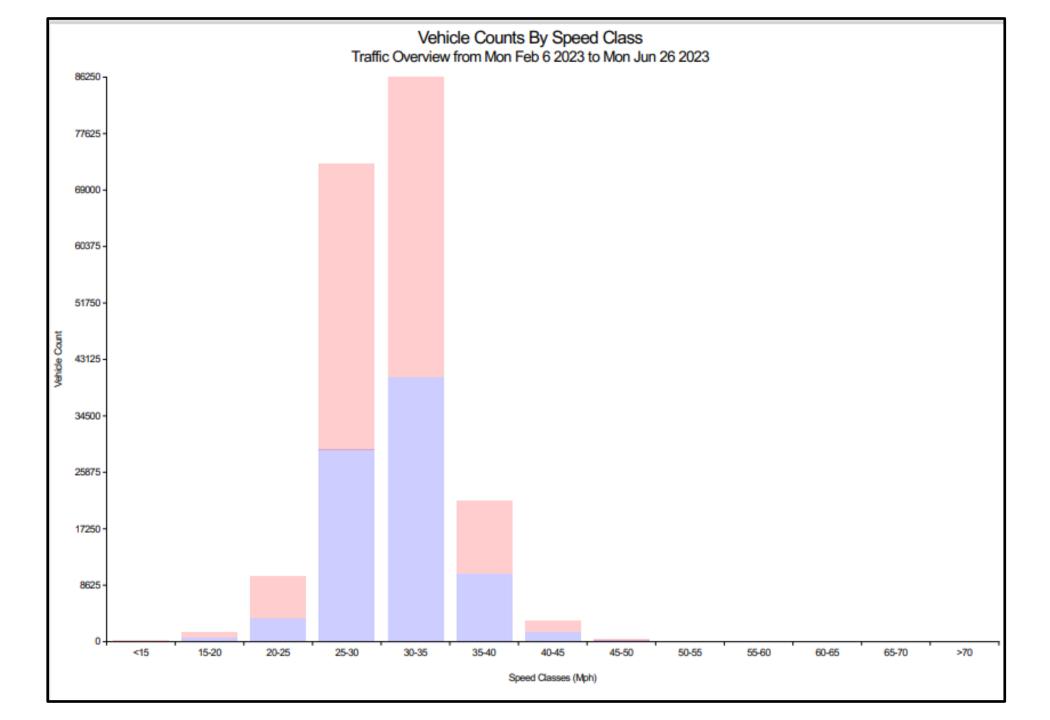
Total Vehicles: 196351

30th Percentile: 27.9 MPH 50th Percentile: 29.6 MPH 85th Percentile: 33.6 MPH 95th Percentile: 36.6 MPH Average Speed: 30.3 MPH

Highest Speed: 64.3 MPH Speed Limit: 30 Mph

Total Over Speed Limit: 56.8 % (111531 / 196351)





# Warmingham Lane

#### Traffic Report Warmingham Lane

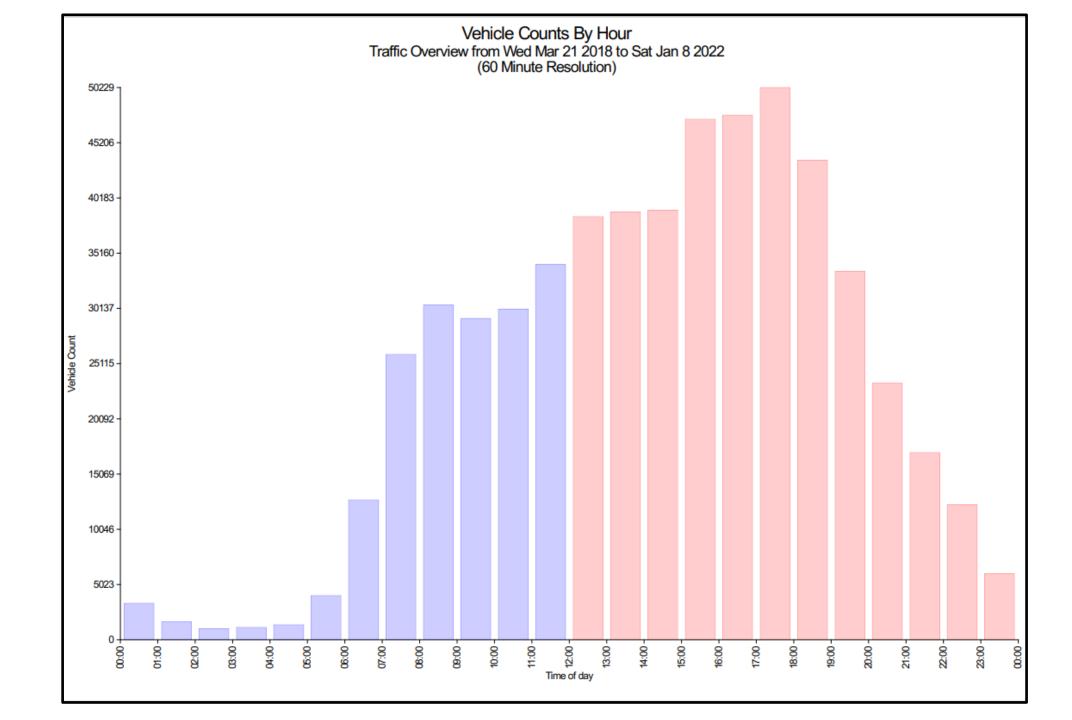
#### Traffic Overview from Wed Mar 21 2018 to Sat Jan 8 2022 Vehicle Speed Classes (Mph)

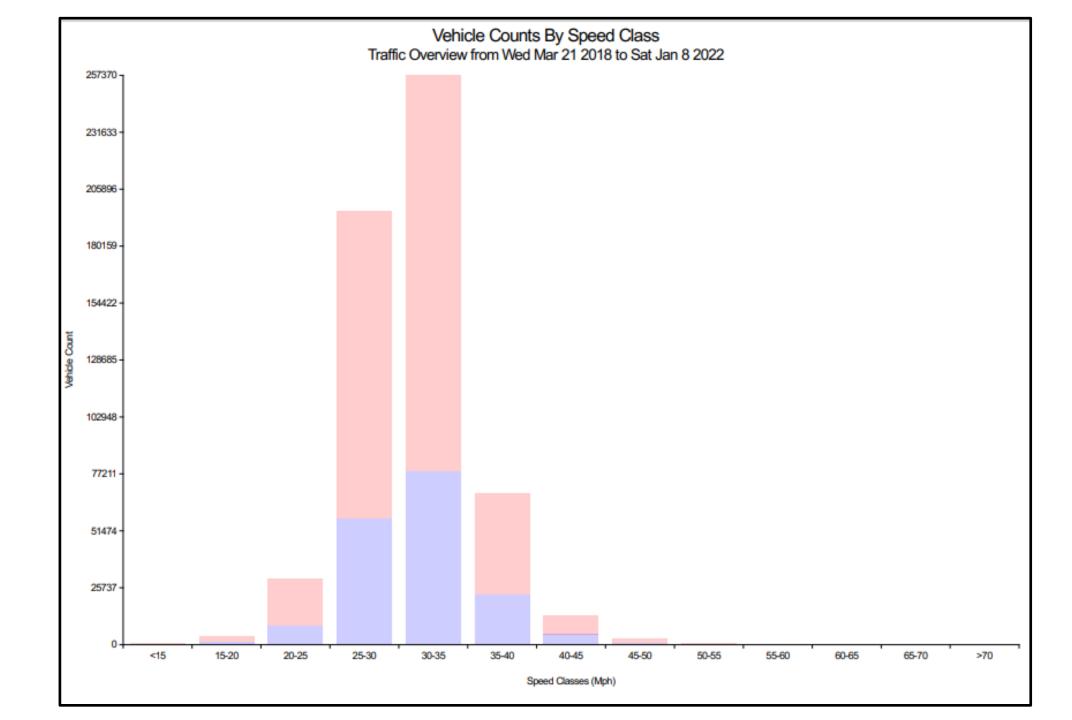
		<15	15 20	20 25	25 30	30 35	35 40	40 45	45 50	50 55	55 60	60 65	65 70	>70	Total	85th Percentile
	00:00	7	7	110	808	1397	629	233	66	39	13	7	1	5	3322	37.3
	01:00	2	7	74	372	622	347	121	58	18	7	4	3	3	1638	38.4
	02:00	2	9	31	201	373	222	105	29	19	6	2	2	1	1002	39.5
	03:00	1	1	37	189	403	288	126	50	28	11	2	2	2	1140	40.6
	04:00	0	7	100	336	459	288	130	35	14	6	2	1	0	1378	38.5
	05:00	9	14	87	923	1577	868	376	128	31	17	4	1	1	4036	38.6
	06:00	23	91	500	3369	5548	2439	607	105	37	6	2	0	0	12727	36.0
	07:00	22	236	1374	8582	11768	3232	598	111	20	12	8	0	0	25963	34.1
	08:00	12	235	1529	10608	13988	3398	548	104	25	5	0	0	1	30453	33.7
>	09:00	28	195	1321	9829	13348	3692	660	120	32	5	0	0	0	29230	34.1
day	10:00	47	243	1729	10264	13448	3564	617	116	32	8	2	2	1	30073	33.9
<del>o</del>	11:00	39	267	1922	11601	15518	3957	690	111	20	9	1	1	0	34136	33.8
g	12:00	37	243	1955	12604	17888	4747	826	160	34	3	2	1	2	38502	34.0
ıme	13:00	33	244	1822	11761	18384	5357	1064	185	34	14	4	0	3	38905	34.5
	14:00	41	232	1804	12286	18551	5060	869	165	41	10	6	2	0	39067	34.2
	15:00	28	262	2500	17316	21559	4790	715	147	20	6	3	2	2	47350	33.4
	16:00	25	229	2527	16956	21866	5177	751	144	27	9	1	3	1	47716	33.6
	17:00	18	324	3290	19844	21702	4265	648	106	21	7	3	1	0	50229	33.0
	18:00	20	235	2674	16368	18996	4386	764	128	32	14	2	0	3	43622	33.5
	19:00	24	189	1914	12159	14486	3754	738	163	56	18	7	0	2	33510	33.8
	20:00	11	116	1187	7971	10211	2910	702	175	48	23	11	2	1	23368	34.4
	21:00	19	74	801	5824	7294	2223	557	154	57	17	10	5	1	17036	34.8
	22:00	8	47	489	3921	5377	1750	467	131	53	20	8	5	1	12277	35.1
	23:00	4	31	229	1635	2614	1000	315	112	33	26	5	7	1	6012	36.4
	AM Total	192	1312	8814	57082	78449	22924	4811	1033	315	105	34	13	14		
	PM Total	268	2226	21192	138645	178928	45419	8416	1770	456	167	62	28	17		
	Total Percent	460 0.08%	3538 0.62%	30006 5.24%	195727 34.18%	257377 44.94%	68343 11.93%	13227 2.31%	2803 0.49%	771 0.13%	272 0.05%	96 0.02%	41 0.01%	31 0.01%		

Total Vehicles: 572692

30th Percentile: 28.1 MPH
50th Percentile: 29.9 MPH
85th Percentile: 34.0 MPH
95th Percentile: 37.5 MPH
Average Speed: 30.6 MPH
Highest Speed: 92.8 MPH
Speed Limit: 30 Mph

Total Over Speed Limit: 59.9 % (342961 / 572692)





#### Traffic Report Warmingham Lane

#### Traffic Overview from Thu Sep 1 2022 to Tue Feb 14 2023 Vehicle Speed Classes (Mph)

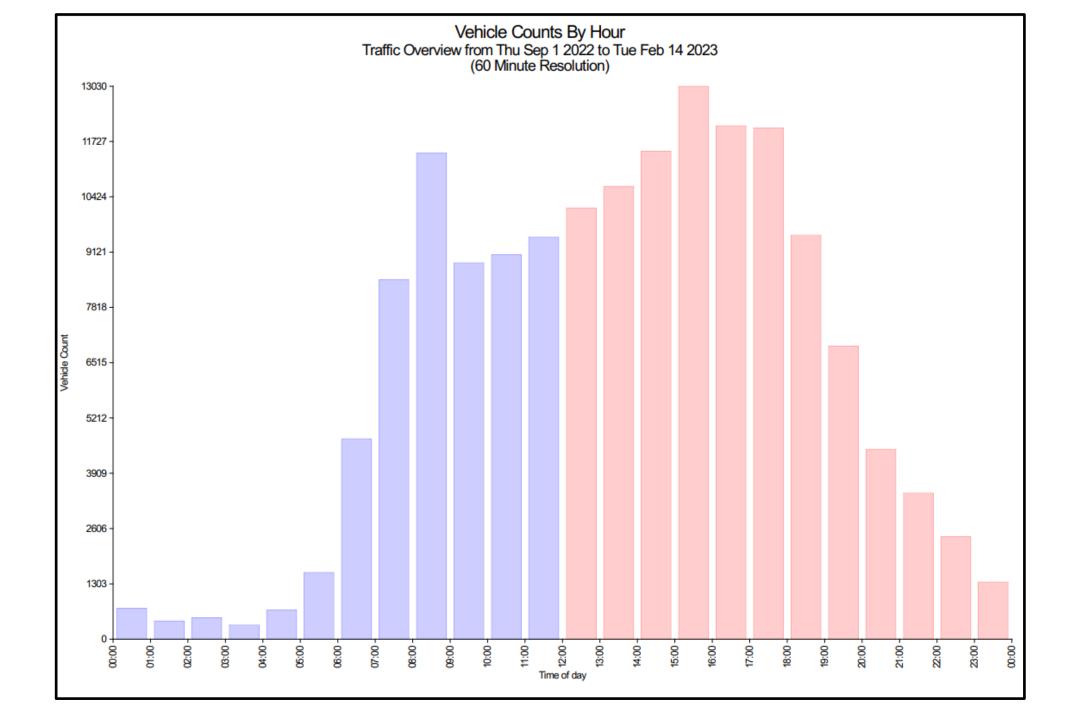
		<15	15 20	20 25	25 30	30 35	35 40	40 45	45 50	50 55	55 60	60 65	65 70	>70	Total	85th Percentile
	00:00	5	22	136	286	188	54	23	6	3	1	0	0	1	725	33.1
	01:00	1	17	71	184	103	32	16	2	1	0	0	1	0	428	32.8
	02:00	2	17	77	195	150	49	9	4	0	0	0	0	0	503	33.3
	03:00	1	13	61	150	79	25	7	1	1	0	0	0	0	338	32.7
	04:00	0	37	211	248	145	42	2	1	0	0	0	1	0	687	31.6
	05:00	9	47	299	686	395	93	41	5	0	0	0	0	0	1575	32.2
	06:00	31	171	989	2164	1117	209	38	2	0	1	0	0	0	4722	31.0
	07:00	30	295	1738	3897	2100	352	50	10	1	0	0	0	0	8473	31.0
	08:00	78	507	2394	5236	2828	370	39	4	2	1	0	0	0	11459	30.8
>	09:00	54	328	1747	4117	2209	362	46	5	1	0	0	1	0	8870	31.0
day	10:00	46	369	1766	4194	2289	332	59	5	2	1	0	0	0	9063	30.9
ð	11:00	51	359	1889	4478	2343	312	41	6	0	0	0	0	0	9479	30.8
Time	12:00	48	380	1943	4774	2547	389	67	14	2	0	0	0	0	10164	31.0
<u>⊒</u>	13:00	38	345	2041	4816	2842	503	70	13	3	1	0	0	0	10672	31.4
	14:00	42	326	2030	5235	3208	571	79	6	4	0	0	0	0	11501	31.5
	15:00	47	379	2438	6066	3415	578	86	17	2	2	0	0	0	13030	31.2
	16:00	38	366	2294	5618	3174	518	79	8	3	2	0	0	0	12100	31.2
	17:00	60	441	2646	5404	2921	483	75	11	4	1	1	0	0	12047	31.0
	18:00	21	277	2005	4256	2416	460	58	26	3	1	0	0	0	9523	31.3
	19:00	20	216	1428	3053	1787	307	77	16	1	1	1	0	0	6907	31.4
	20:00	11	129	928	1982	1111	233	60	15	4	2	0	0	0	4475	31.6
	21:00	8	112	699	1517	838	203	56	10	3	1	0	0	0	3447	31.7
	22:00	6	61	493	1084	582	145	34	9	1	1	1	1	0	2418	31.9
	23:00	1	29	236	538	408	86	36	7	2	2	3	0	0	1348	32.9
	AM Total	308	2182	11378	25835	13946	2232	371	51	11	4	0	3	1		
	PM Total	340	3061	19181	44343	25249	4476	777	152	32	14	6	1	0		
	Total Percent	648 0.42%	5243 3.41%	30559 19.85%	70178 45.58%	39195 25.46%	6708 4.36%	1148 0.75%	203 0.13%	43 0.03%	18 0.01%	6 0.00%	4 0.00%	1 0.00%		

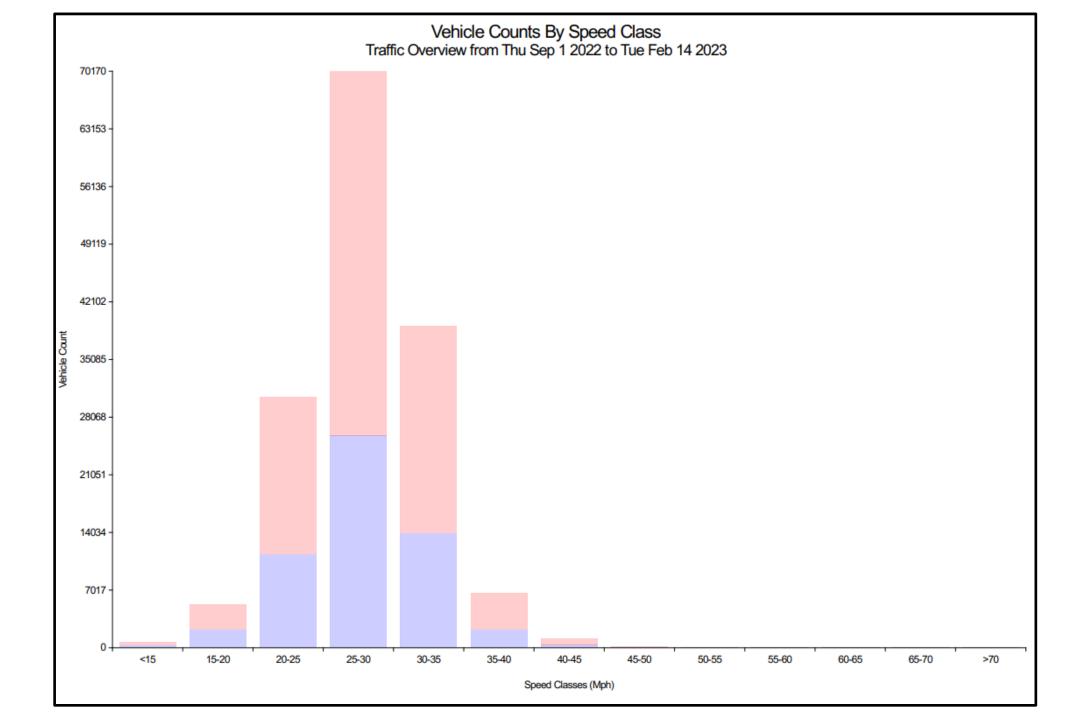
Total Vehicles: 153954

30th Percentile: 24.9 MPH 50th Percentile: 27.0 MPH 85th Percentile: 31.2 MPH 95th Percentile: 34.2 MPH Average Speed: 27.5 MPH Highest Speed: 73.2 MPH

Speed Limit: 30 Mph

Total Over Speed Limit: 30.7 % (47326 / 153954)





#### Traffic Report Warmingham Lane

#### Traffic Overview from Wed Feb 1 2023 to Mon Jun 26 2023 Vehicle Speed Classes (Mph)

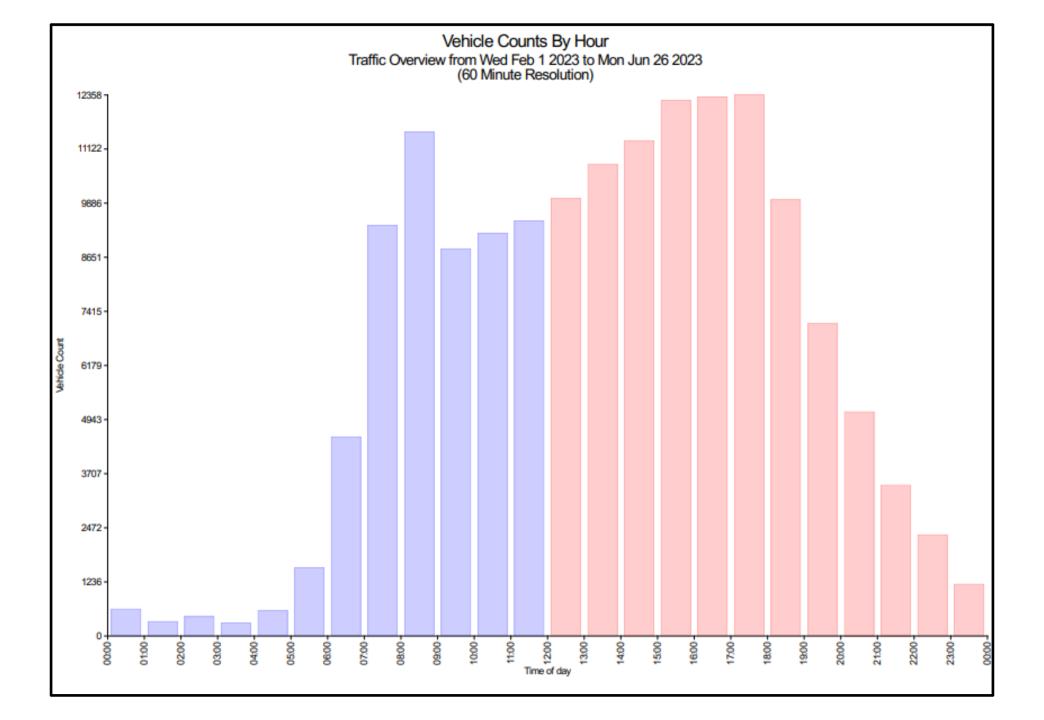
		<15	15 20	20 25	25 30	30 35	35 40	40 45	45 50	50 55	55 60	60 65	65 70	>70	Total	85th Percentile
	00:00	2	9	93	235	196	56	19	3	0	1	3	0	0	617	33.6
	01:00	0	8	36	148	99	28	8	4	1	0	0	0	0	332	32.9
	02:00	0	5	43	173	158	44	14	3	1	0	0	0	0	441	33.8
	03:00	1	4	40	138	75	30	7	0	1	0	0	0	0	296	33.2
	04:00	3	12	115	277	135	29	6	2	1	1	0	0	0	581	31.3
	05:00	2	27	173	685	520	118	31	7	1	0	0	0	0	1564	32.7
	06:00	24	42	470	2127	1501	341	44	2	0	0	0	0	0	4551	32.4
	07:00	12	83	1143	4630	2958	490	62	3	0	2	0	0	0	9383	31.7
	08:00	13	161	1692	5922	3201	449	67	9	0	1	0	0	0	11515	31.1
>	09:00	33	189	1364	4437	2431	339	39	10	3	0	0	0	0	8845	31.2
day	10:00	45	213	1570	4642	2297	364	62	9	1	1	0	0	0	9204	30.9
of	11:00	27	207	1564	4852	2378	370	69	9	3	0	1	0	0	9480	31.0
e	12:00	30	183	1617	4962	2731	408	58	7	6	0	0	0	0	10002	31.1
Time	13:00	33	163	1549	5173	3203	555	85	15	4	0	0	0	0	10780	31.7
7	14:00	27	204	1449	5452	3459	621	84	15	5	1	0	0	0	11317	31.8
	15:00	34	173	1611	6144	3619	550	80	18	3	1	0	0	0	12233	31.5
	16:00	29	160	1532	5966	3888	607	90	33	6	1	1	0	0	12313	31.7
	17:00	25	171	1632	5844	3921	622	104	28	10	0	1	0	0	12358	31.8
	18:00	29	133	1330	4758	3026	551	101	23	9	6	0	0	0	9966	31.9
	19:00	30	133	979	3388	2050	443	78	26	6	1	0	0	0	7134	32.0
	20:00	18	82	729	2405	1452	334	71	27	4	0	1	0	0	5123	32.3
	21:00	8	50	519	1573	975	240	59	13	11	2	0	0	0	3450	32.5
	22:00	2	19	301	1079	690	157	46	14	3	1	1	0	0	2313	32.5
	23:00	2	12	161	483	364	119	24	10	7	0	0	1	0	1183	33.7
	AM Total	162	960	8303	28266	15949	2658	428	61	12	6	4	0	0		
	PM Total	267	1483	13409	47227	29378	5207	880	229	74	13	4	1	0		
	Total Percent	429 0.28%	2443 1.58%	21712 14.01%	75493 48.71%	45327 29.25%	7865 5.07%	1308 0.84%	290 0.19%	86 0.06%	19 0.01%	8 0.01%	1 0.00%	0 0.00%		

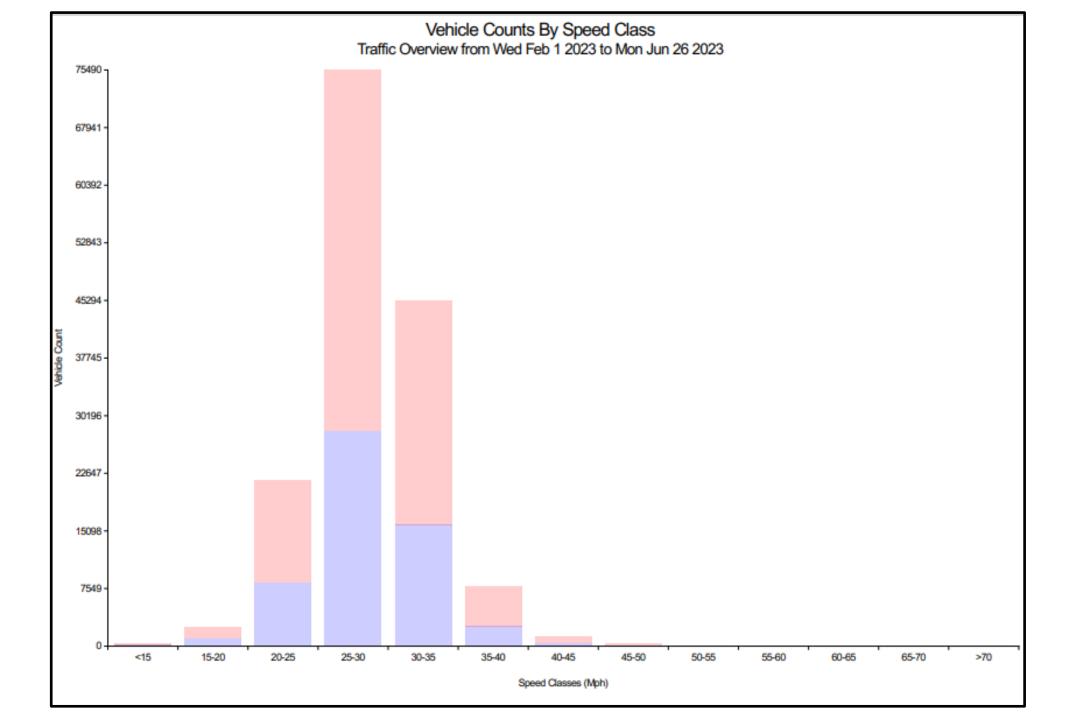
Total Vehicles: 154981

30th Percentile: 25.8 MPH 50th Percentile: 27.7 MPH 85th Percentile: 31.6 MPH 95th Percentile: 34.7 MPH Average Speed: 28.3 MPH Highest Speed: 67.0 MPH

Speed Limit: 30 Mph

Total Over Speed Limit: 35.4 % (54904 / 154981)





### Summary

#### King Street

#### 11th June 2018 to 9th January 2022

Total Vehicles 357976

85<sup>th</sup> Percentile 33.1 mph

Average speed 30 mph

Highest speed 88.7 mph

Total Over speed limit 53.1% (190123/357976)

#### 1st September 2022 to 14th February 2023

Total Vehicles 220900
85<sup>th</sup> Percentile 33.5 mph
Average speed 30.3 mph
Highest speed 62.4 mph

Total Over speed limit 56.8L% (125372/220900)

#### 6th February 2023 to 26th June 2023

Total Vehicles 196351
85<sup>th</sup> Percentile 33.6 mph
Average speed 30.3 mph
Highest speed 64.3 mph

Total Over speed limit 56.8% (111531/196351)

#### Warmingham Lane

#### 21st March 2018 to 8th January 2022

Total Vehicles 572692

85th Percentile 34.0 mph

Average speed 30.6 mph

Highest speed 92.8 mph

Total Over speed limit 59.9% (342961/572692)

#### 14th September 2022 to 14th February 2023

Total Vehicles 153954

85th Percentile 31.2 mph

Average speed 27.5 mph

Highest speed 73.2 mph

Total Over speed limit 30.7% (47326/153964)

#### 1st February 2023 to 26th June 2023

Total Vehicles 154981

85th Percentile 31.6 mph

Average speed 28.3 mph

Highest speed 67.0 mph

Total Over speed limit 35.4% (54904/154981)