

CRANFORD POLICE DEPARTMENT

OFFICER'S REPORT

DATE: 3/27/2024

TO: D/Sgt. Russell Luedecker



CC: _____

FROM: Det. James Knight

SUBJECT: Speed Study Walnut/Mitchell SB



D/Sgt. Luedecker,

Per your orders, a speed study was conducted on Walnut Ave utilizing one of our Bureau's "Speed Sentry" RADAR signs. Said study was conducted over the course of six (6) days from 03/21-03/26 on traffic heading southbound on Walnut Ave near the intersection of Mitchell Pl.

The study determined the average speed on Walnut Ave was 34 mph. The 85% speed was 38 mph and the 50% speed was 34 mph.

The study measured the speeds of 24,627 vehicles, of which 210 (.85%) were traveling above 46 mph.

The results of this study are attached for your review.

Respectfully,

Det. James Knight



Start: 2024-03-21

End: 2024-03-26

Times: 0:00:00-23:59:59

Speed Range: 1 to 150

Overall Summary

Total Days of Data: 6

Speed Limit: 25, 35

Average Speed: 33.5

50th Percentile Speed: 33.71

85th Percentile Speed: 37.62

Pace Speed Range: 29-39

Minimum Speed: 10

Maximum Speed: 61

Display Mode: Speed Display, Unknown

Average Volume per Day: 4104.5

Total Volume: 24627



Volume by Speed

Walnut/Mitchell SB, SB

Start: 2024-03-21

End: 2024-03-26

Times: 0:00:00-23:59:59

Speed Bins: Size 5, Range 1 to 150

Time View: By Hour (Total Volumes)

Time	1 to 5	6 to 10	11 to 15	16 to 20	21 to 25	26 to 30	31 to 35	36 to 40	41 to 45	46 to 50	51 to 55	56 to 60	61 to 65	66 to 70	71 to 75	76 to 80	81 to 85	86 to 90	91 to 95	96 to 100	101 to 150	Avg Speed	Total
0:00	0	0	1	2	1	20	59	49	17	3	3	0	0	0	0	0	0	0	0	0	0	35.3	155
1:00	0	0	2	1	1	8	28	29	8	4	3	0	0	0	0	0	0	0	0	0	0	35.8	84
2:00	0	0	0	2	4	3	13	13	5	1	0	0	0	0	0	0	0	0	0	0	0	33.9	41
3:00	0	0	0	1	1	3	13	11	3	2	0	0	0	0	0	0	0	0	0	0	0	35.5	34
4:00	0	0	0	0	0	8	25	32	11	2	1	0	0	0	0	0	0	0	0	0	0	36.4	79
5:00	0	0	2	1	5	19	72	101	39	8	3	2	0	0	0	0	0	0	0	0	0	36.6	252
6:00	0	0	2	4	9	42	186	194	76	19	2	1	0	0	0	0	0	0	0	0	0	35.9	535
7:00	0	1	7	18	31	135	396	365	75	8	1	0	0	0	0	0	0	0	0	0	0	34.3	1037
8:00	0	0	9	21	55	240	651	448	81	12	3	1	0	0	0	0	0	0	0	0	0	33.6	1521
9:00	0	3	18	25	61	246	652	478	97	8	1	0	0	0	0	0	0	0	0	0	0	33.6	1589
10:00	0	1	4	21	62	293	630	493	90	7	2	0	0	0	0	0	0	0	0	0	0	33.7	1603
11:00	0	5	24	37	111	409	686	473	63	4	0	0	0	0	0	0	0	0	0	0	0	32.3	1812
12:00	0	2	30	49	131	502	654	447	92	4	1	1	0	0	0	0	0	0	0	0	0	31.9	1913
13:00	0	6	15	36	80	364	744	510	89	7	1	0	0	0	0	0	0	0	0	0	0	32.9	1852
14:00	0	7	15	24	53	295	594	376	76	6	0	0	0	0	0	0	0	0	0	0	0	32.8	1446
15:00	0	6	16	25	71	401	719	417	53	11	0	0	0	0	0	0	0	0	0	0	0	32.5	1719
16:00	0	6	17	42	73	374	778	444	71	8	1	0	0	0	0	0	0	0	0	0	0	32.6	1814
17:00	0	1	6	7	39	239	792	513	90	4	1	0	1	0	0	0	0	0	0	0	0	34.1	1693
18:00	0	0	5	14	38	167	644	539	101	7	1	0	0	0	0	0	0	0	0	0	0	34.5	1516
19:00	0	0	7	9	19	148	577	384	60	11	1	0	0	0	0	0	0	0	0	0	0	34.0	1216
20:00	0	0	4	9	26	144	456	292	58	9	1	0	0	0	0	0	0	0	0	0	0	34.0	999
21:00	0	0	1	9	16	117	343	262	54	9	1	0	0	0	0	0	0	0	0	0	0	34.2	812
22:00	0	0	3	6	10	73	218	192	52	13	1	0	0	0	0	0	0	0	0	0	0	34.8	568
23:00	0	0	3	1	11	31	136	118	28	8	0	1	0	0	0	0	0	0	0	0	0	34.8	337
Total	0	38	191	364	908	4281	10066	7180	1389	175	28	6	1	0	0	0	0	0	0	0	0	33.5	24627



Start: 2024-03-21

End: 2024-03-26

Times: 0:00:00-23:59:59

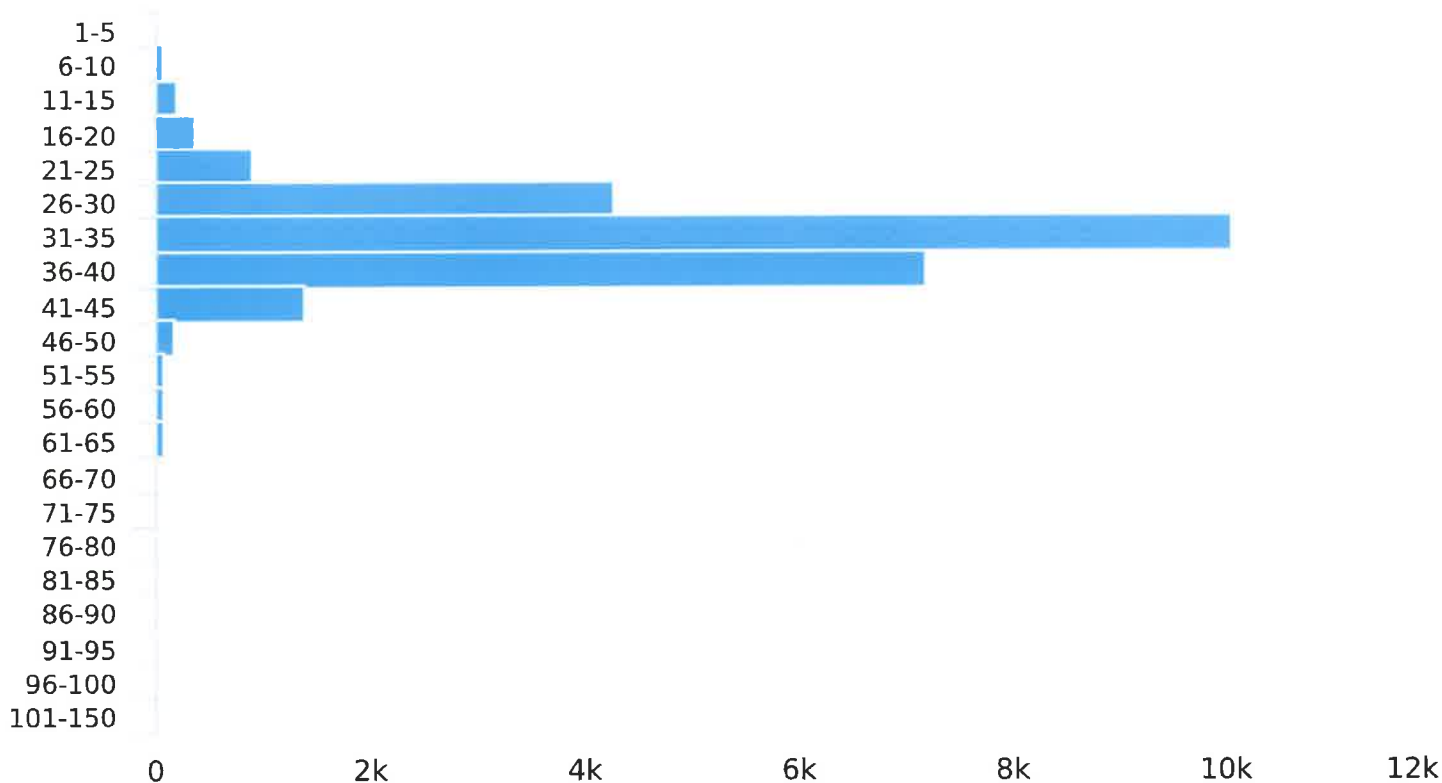
Volume by Speed

Walnut/Mitchell SB, SB

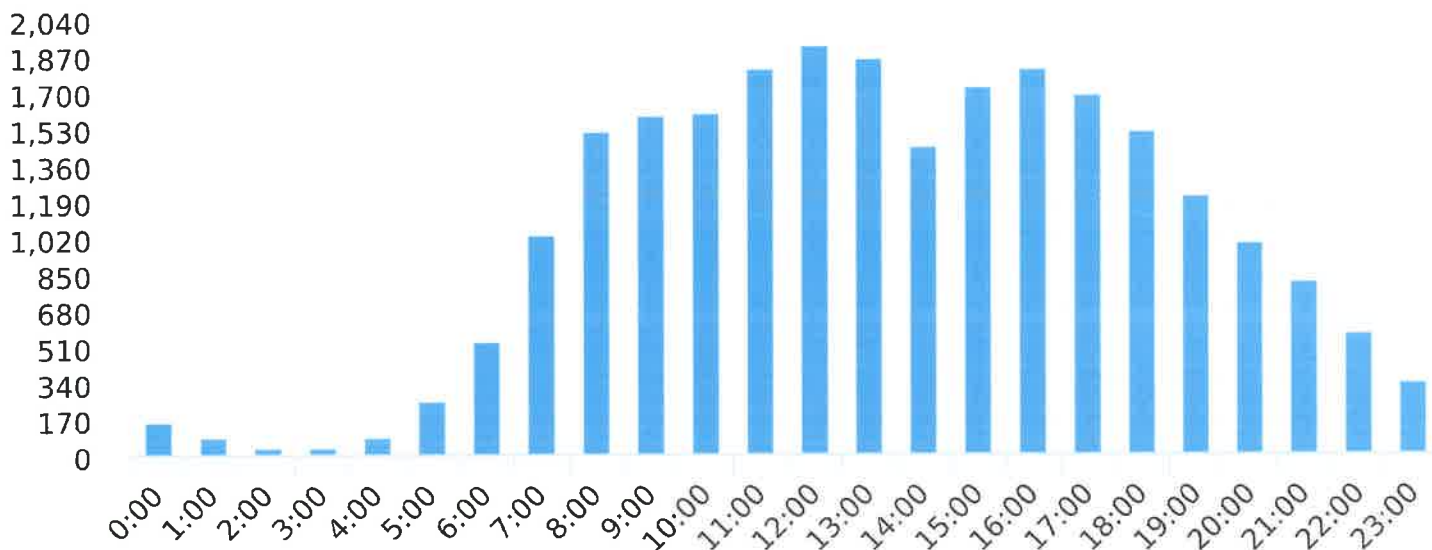
Speed Bins: Size 5, Range 1 to 150

Time View: By Hour (Total Volumes)

Total Volume by Speed Distribution



Volume over Time





Start: 2024-03-21
End: 2024-03-26
Times: 0:00:00-23:59:59

Speed Bins: Size 10, Range 1 to 150
Time View: By Day (Total Volumes)

Date	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Total
03-21	0	0	0	0	0	0	0	4	197	302	276	321	326	349	343	425	462	400	327	251	222	148	96	84	4533
03-22	27	21	8	7	21	69	129	314	324	286	287	308	382	335	297	399	437	398	349	259	209	172	120	81	5239
03-23	45	26	13	5	8	17	45	74	168	225	243	264	234	194	146	240	244	261	272	225	177	140	125	96	3487
03-24	43	16	11	6	8	20	54	88	171	243	285	320	352	354	325	294	265	258	241	218	197	222	159	35	4185
03-25	22	11	4	6	24	78	147	282	324	265	276	290	310	313	284	361	406	376	327	263	194	130	68	41	4802
03-26	18	10	5	10	18	68	160	275	337	268	236	309	309	307	51	0	0	0	0	n/a	n/a	n/a	n/a	n/a	2381
Total	155	84	41	34	79	252	535	1037	1521	1589	1603	1812	1913	1852	1446	1719	1814	1693	1516	1216	999	812	568	337	24627



Start: 2024-03-21
End: 2024-03-26
Times: 0:00:00-23:59:59

Speed Bins: Size 10, Range 1 to 150
Time View: By Day (Total Volumes)

Daily Total Volume

