

CRANFORD POLICE DEPARTMENT

OFFICER'S REPORT

DATE: 3/27/2024

TO: D/Sgt. Russell Luedecker

CC:

FROM: Det. James Knight

SUBJECT: Speed Study Walnut/Behnert NB



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 seven (7) days from 03/21-03/27 on traffic heading northbound on Walnut Ave near the intersection of Behnert 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 28,279 vehicles, of which 270 (.9%) were traveling above 46 mph.

The results of this study are attached for your review.

Respectfully,

Det. James Knight



Start: 2024-03-21

End: 2024-03-27

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

Speed Range: 1 to 150

Overall Summary

Total Days of Data: 7

Speed Limit: 25

Average Speed: 33.55

50th Percentile Speed: 33.97

85th Percentile Speed: 37.86

Pace Speed Range: 29-39

Minimum Speed: 10

Maximum Speed: 64

Display Mode: Speed Display

Average Volume per Day: 4039.9

Total Volume: 28279



Start: 2024-03-21

End: 2024-03-27

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

Volume by Speed

Walnut/Behnert NB, NB

Speed Bins: Size 5, Range 1 to 150

Time View: By Hour (Total Volumes)

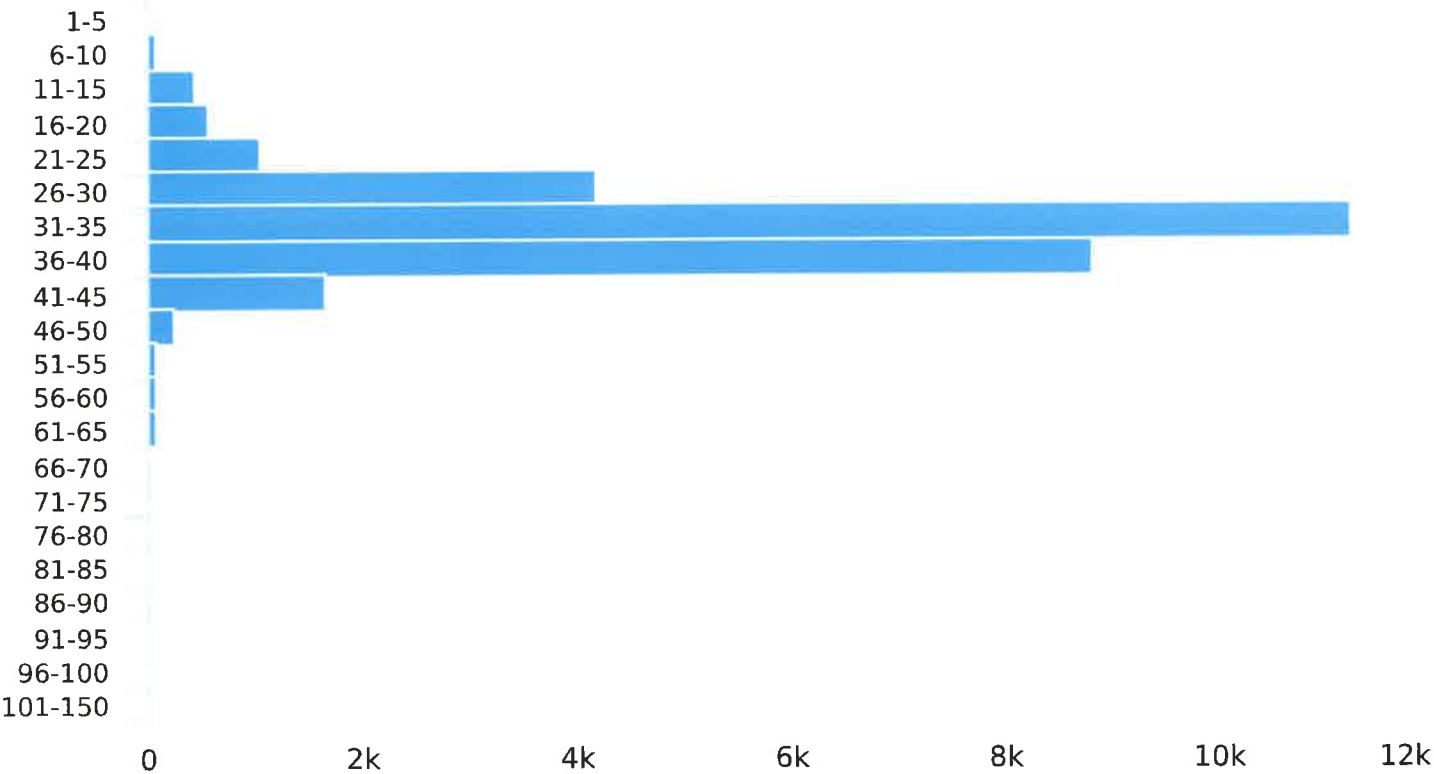
Time	1 to 5	6 to 10	11 to 15	16 to 20	21 to 25	26 to 30	31 to 35	36 to 40	41 to 45	46 to 50	51 to 55	56 to 60	61 to 65	66 to 70	71 to 75	76 to 80	81 to 85	86 to 90	91 to 95	96 to 100	101 to 150	Avg Speed	Total
0:00	0	0	0	0	7	26	68	76	16	3	2	0	0	0	0	0	0	0	0	0	0	35.1	198
1:00	0	0	0	0	2	8	38	35	12	5	0	2	2	0	0	0	0	0	0	0	0	37.2	104
2:00	0	0	1	2	3	6	20	13	13	0	0	0	0	0	0	0	0	0	0	0	0	34.3	58
3:00	0	0	0	0	2	6	10	18	3	0	0	0	0	0	0	0	0	0	0	0	0	34.9	39
4:00	0	0	1	1	1	11	40	31	17	6	2	2	0	0	0	0	0	0	0	0	0	36.8	112
5:00	0	1	2	3	2	20	86	119	21	17	1	0	0	0	0	0	0	0	0	0	0	36.0	272
6:00	0	4	30	22	32	76	327	283	54	9	3	0	0	0	0	0	0	0	0	0	0	33.5	840
7:00	0	7	35	29	44	208	567	492	85	9	0	0	0	0	0	0	0	0	0	0	0	33.4	1476
8:00	0	10	41	43	54	300	695	399	89	6	5	0	0	0	0	0	0	0	0	0	0	32.5	1642
9:00	0	3	31	48	79	310	671	485	95	12	1	0	0	0	0	0	0	0	0	0	0	32.8	1735
10:00	0	6	23	55	103	344	622	446	98	18	0	0	0	0	0	0	0	0	0	0	0	32.6	1715
11:00	0	12	50	64	158	408	664	427	81	8	0	0	0	0	0	0	0	0	0	0	0	31.5	1872
12:00	0	10	52	69	148	442	741	446	71	7	0	0	0	0	0	0	0	0	0	0	0	31.4	1986
13:00	0	1	31	50	93	333	670	532	88	5	1	0	0	0	0	0	0	0	0	0	0	32.9	1804
14:00	0	3	31	36	68	311	769	566	87	12	0	0	0	0	0	0	0	0	0	0	0	33.2	1883
15:00	0	2	27	40	81	295	861	592	94	12	1	0	0	0	0	0	0	0	0	0	0	33.1	2005
16:00	0	2	21	30	75	332	827	661	118	14	2	1	0	0	0	0	0	0	0	0	0	33.7	2083
17:00	0	4	14	10	16	139	812	795	166	17	4	0	0	0	0	0	0	0	0	0	0	35.2	1977
18:00	0	8	14	18	28	130	673	759	146	20	1	0	0	0	0	0	0	0	0	0	0	35.0	1797
19:00	0	2	18	14	25	168	677	571	78	10	1	0	0	0	0	0	0	0	0	0	0	34.3	1564
20:00	0	2	3	6	7	124	584	442	88	11	1	0	0	0	0	0	0	0	0	0	0	34.7	1268
21:00	0	0	6	3	9	78	399	322	63	12	1	1	0	0	0	0	0	0	0	0	0	34.9	894
22:00	0	0	1	2	6	59	268	190	46	16	1	0	0	0	0	0	0	0	0	0	0	35.1	589
23:00	0	1	1	2	3	39	155	126	33	6	0	0	0	0	0	0	0	0	0	0	0	35.0	366
Total	0	78	433	547	1046	4173	11244	8826	1662	235	27	6	2	0	0	0	0	0	0	0	0	33.5	28279



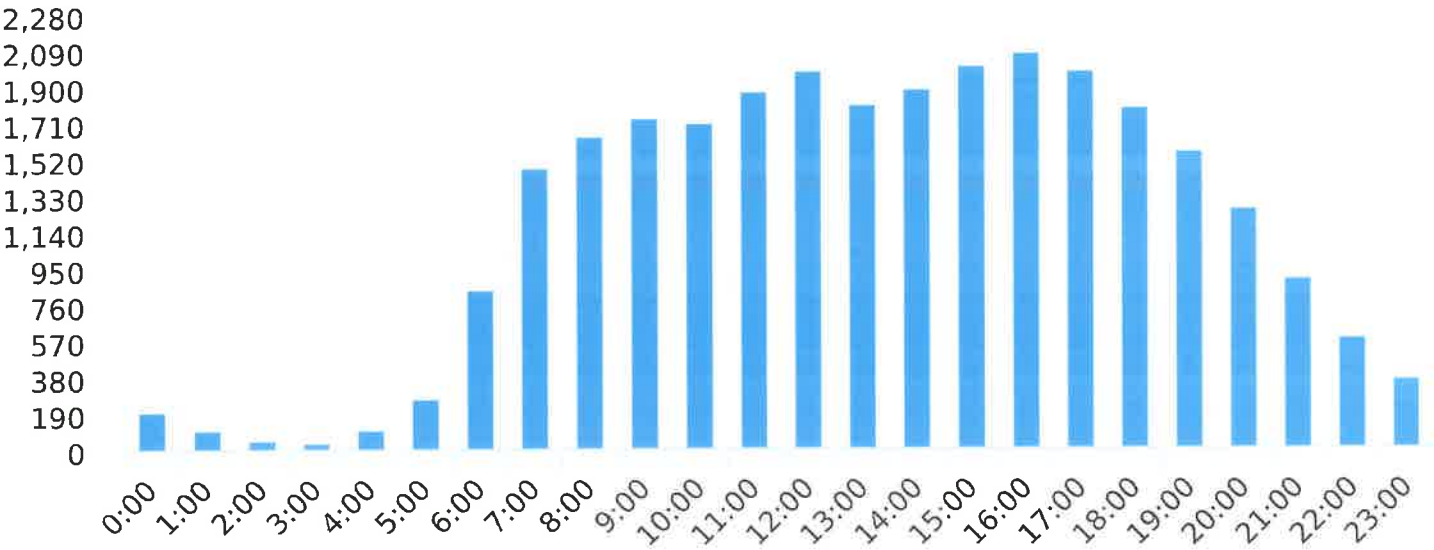
Start: 2024-03-21
End: 2024-03-27
Times: 0:00:00-23:59:59

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: 2024-03-27
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	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0	186	356	352	335	331	348	332	407	459	358	320	289	235	163	95	48	4614
03-22	26	13	7	5	22	53	203	323	354	307	289	349	410	317	351	373	359	348	316	283	211	162	144	99	5324
03-23	71	37	12	9	12	23	56	115	191	258	276	286	305	251	234	222	260	268	279	208	199	159	115	83	3929
03-24	50	24	22	9	4	16	33	96	153	257	280	311	318	305	361	330	309	294	282	246	191	130	61	54	4136
03-25	17	5	3	5	31	63	192	323	354	275	248	284	311	283	312	336	340	334	294	280	212	132	89	41	4764
03-26	16	13	8	6	22	57	178	315	314	282	270	307	311	300	293	337	356	375	306	258	220	148	85	41	4818
03-27	18	12	6	5	21	60	178	304	90	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	694
Total	198	104	58	39	112	272	840	1476	1642	1735	1715	1872	1986	1804	1883	2005	2083	1977	1797	1564	1268	894	589	366	28279



Start: 2024-03-21
End: 2024-03-27
Times: 0:00:00-23:59:59

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

Daily Total Volume

