

CRANFORD POLICE DEPARTMENT

OFFICER'S REPORT



DATE: 3/19/2024

TO: D/Sgt. Russell Luedecker

CC: _____

FROM: Det. James Knight

SUBJECT: Speed Study Central Ave/ Eastman St

D/Sgt. Luedecker,

Per your orders, a speed study was conducted on Central Ave utilizing one of our Bureau's "Speed Sentry" RADAR signs. Said study was conducted over the course of nine (9) days from 03/07-03/15 on traffic heading westbound on Central Ave near the intersection of Eastman St.

The study determined the average speed on Central Ave was 26 mph. The 85% speed was 29 mph and the 50% speed was 25 mph.

The study measured the speeds of 2,277 vehicles, of which 2 (.08%) were traveling above 41 mph.

The results of this study are attached for your review.

Respectfully,

A handwritten signature in black ink, appearing to read 'Jim Knight', written over the name 'Det. James Knight'.

Det. James Knight



Start: 2024-03-07

End: 2024-03-15

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

Speed Summary

Central Ave, WB

Speed Range: 1 to 150

Overall Summary

Total Days of Data: 9

Speed Limit: 25

Average Speed: 25.95

50th Percentile Speed: 25.44

85th Percentile Speed: 29.21

Pace Speed Range: 21-31

Minimum Speed: 20

Maximum Speed: 43

Display Mode: Speed Display, Unknown

Average Volume per Day: 253.0

Total Volume: 2277



Start: 2024-03-07

End: 2024-03-15

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

Volume by Time

Central Ave, WB

Speed Bins: Size 10, Range 1 to 150

Time View: By Day (Total Volumes)

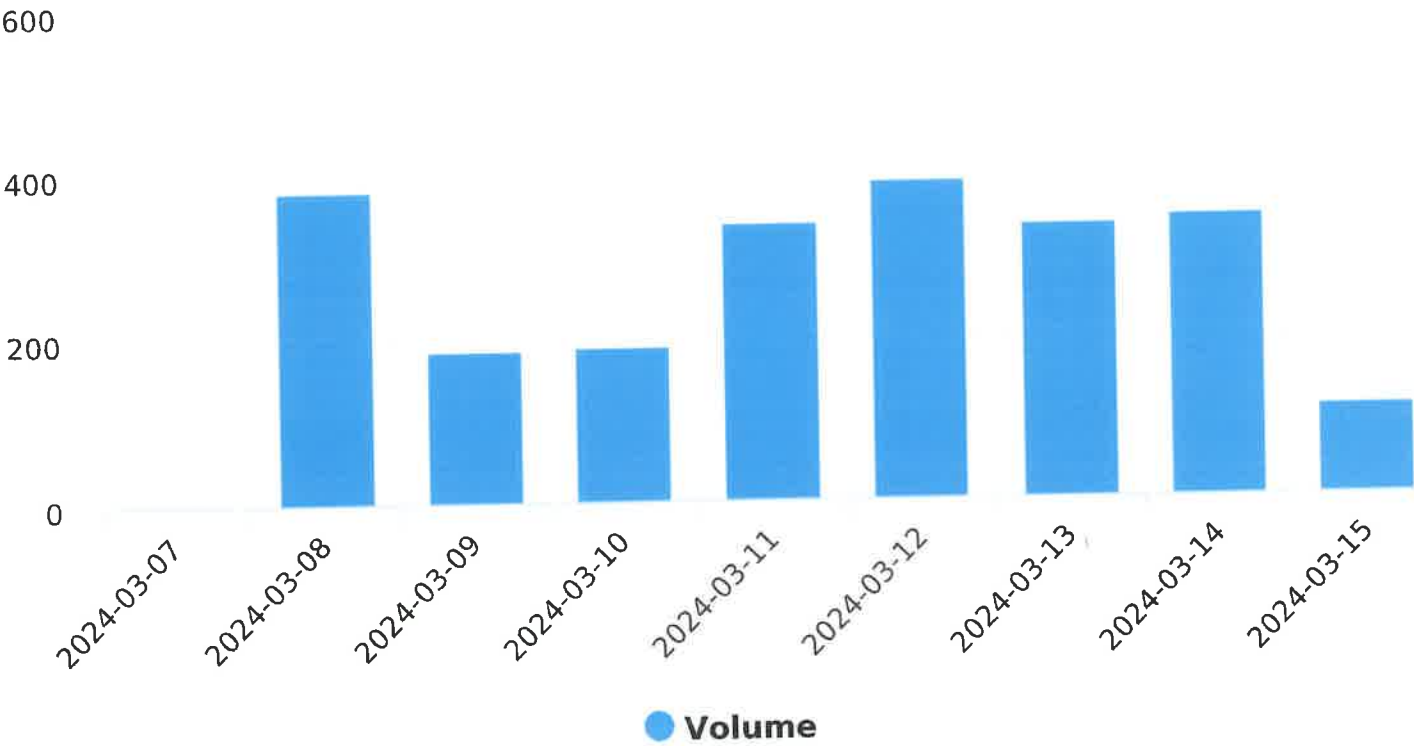
Date	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Total	
03-07	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0	0	0	0	0	0	0	0	0	0	0
03-08	0	0	0	0	0	0	0	16	17	17	19	21	20	28	25	40	49	51	31	22	12	7	4	4	383	
03-09	3	2	0	0	0	0	5	15	24	24	28	23	12	4	4	3	6	5	8	5	1	7	7	1	187	
03-10	3	0	n/a	0	0	0	0	2	3	7	11	35	24	28	18	16	12	8	8	7	2	3	2	0	189	
03-11	0	0	0	0	3	3	2	6	15	12	13	21	34	24	16	33	32	42	27	16	16	11	8	5	339	
03-12	2	0	1	0	1	3	10	11	22	18	18	24	22	27	23	47	32	50	36	16	13	5	3	5	389	
03-13	0	1	0	0	4	5	3	13	24	22	22	20	23	20	26	32	30	26	25	13	12	9	4	1	335	
03-14	2	0	0	0	2	5	11	14	10	20	18	18	18	22	19	31	33	43	30	14	13	15	4	2	344	
03-15	1	0	0	0	3	4	3	15	28	18	14	23	2	0	0	0	0	0	0	0	0	0	0	0	111	
Total	11	3	1	0	13	20	34	92	143	138	143	185	155	153	131	202	194	225	165	93	69	57	32	18	2277	



Start: 2024-03-07
End: 2024-03-15
Times: 0:00:00-23:59:59

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

Daily Total Volume





Start: 2024-03-07

End: 2024-03-15

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

Volume by Speed

Central Ave, WB

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	4	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26.0	11
1:00	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26.0	3
2:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24.0	1
3:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
4:00	0	0	0	0	6	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26.1	13
5:00	0	0	0	1	10	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25.1	20
6:00	0	0	0	3	15	14	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25.7	34
7:00	0	0	0	7	26	41	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	27.5	92
8:00	0	0	0	3	62	58	19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	26.5	143
9:00	0	0	0	5	67	58	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	25.6	138
10:00	0	0	0	8	62	59	12	2	0	0	0	0	0	0	0	0	0	0	0	0	0	25.7	143
11:00	0	0	0	9	76	70	27	3	0	0	0	0	0	0	0	0	0	0	0	0	0	26.3	185
12:00	0	0	0	8	68	61	17	1	0	0	0	0	0	0	0	0	0	0	0	0	0	25.8	155
13:00	0	0	0	8	74	66	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	25.5	153
14:00	0	0	0	4	57	56	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	26.1	131
15:00	0	0	0	10	90	87	14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	25.6	202
16:00	0	0	0	9	94	70	18	3	0	0	0	0	0	0	0	0	0	0	0	0	0	25.7	194
17:00	0	0	0	10	99	89	24	3	0	0	0	0	0	0	0	0	0	0	0	0	0	26.0	225
18:00	0	0	0	6	73	66	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25.9	165
19:00	0	0	0	5	54	27	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	25.4	93
20:00	0	0	0	8	25	27	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25.7	69
21:00	0	0	0	2	27	21	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	26.3	57
22:00	0	0	0	1	19	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25.5	32
23:00	0	0	0	1	10	5	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	25.6	18
Total	0	0	0	108	1019	908	211	29	2	0	0	0	0	0	0	0	0	0	0	0	0	25.9	2277



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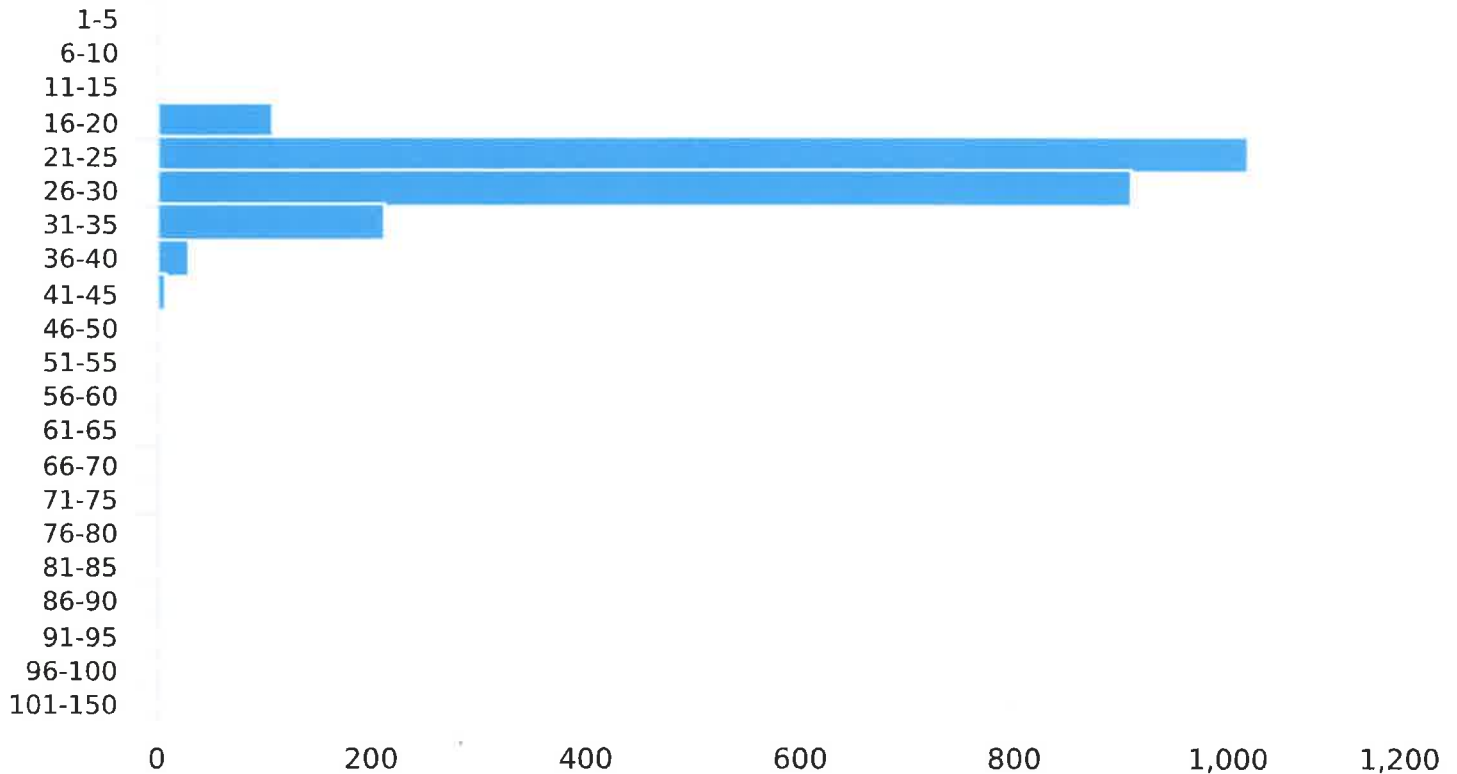
Volume by Speed

Central Ave, WB

Speed Bins: Size 5, Range 1 to 150

Time View: By Hour (Total Volumes)

Total Volume by Speed Distribution



Volume over Time

