

# TRAFFIC ANALYSIS REPORT

For Project: Speed Trailer  
Location/Name: 5178 BEACON HILL W/B  
Report Generated: 1/27/2021 6:35:39 AM  
Speed Intervals = 5 mph  
Time Intervals = 5 minutes

Traffic Report From 1/20/2021 6:30:00 AM through 1/27/2021 6:10:00 AM

85th Percentile Speed = 29.7 mph  
85th Percentile Vehicles = 9,818 counts  
**Max Speed = 65.0 mph on 1/25/2021 12:10:00 PM**  
Total Vehicles = 11,551 counts  
AADT: 1653.4

## Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		1,584	1,524
AM peak	10:00 to 11:00	86	83
PM peak	4:00 to 5:00	163	149

## Speed

Speed limit: 25 mph  
85th Percentile Speed: 29.7 mph  
Average Speed: 25.5 mph

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Count over limit	847	881	988	1087	1171	962	621
% over limit	52.8	55.4	56.2	58.1	59.2	62.3	51.4
Avg speeder	28.6	28.7	28.8	28.8	28.9	29.1	28.5

**85th percentile speeds, counts and total counts by hour:**

<b>Date/Time Ending</b>	<b>85th pctl(mph)</b>	<b>85th pctl cnts</b>	<b>Total cnts</b>	<b>Max Speed</b>	<b>Avg Speeder</b>	<b>% Speeders</b>
1/20/2021 7:00:00 AM	29.7	32	38	60	30.2	63.2%
1/20/2021 8:00:00 AM	29.2	88	103	40	28.4	50.5%
1/20/2021 9:00:00 AM	30.4	76	90	40	29.0	61.1%
1/20/2021 10:00:00 AM	28.9	58	68	35	27.9	51.5%
1/20/2021 11:00:00 AM	29.3	78	92	40	28.4	56.5%
1/20/2021 12:00:00 PM	29.2	101	119	35	28.5	44.5%
1/20/2021 1:00:00 PM	29.7	95	112	35	28.6	57.1%
1/20/2021 2:00:00 PM	29.9	104	122	40	29.1	50.0%
1/20/2021 3:00:00 PM	29.7	100	118	40	28.8	58.5%
1/20/2021 4:00:00 PM	29.8	129	152	35	28.6	57.9%
1/20/2021 5:00:00 PM	31.2	137	161	40	29.1	65.2%
1/20/2021 6:00:00 PM	31.1	123	145	40	29.1	69.7%
1/20/2021 7:00:00 PM	29.6	109	128	40	28.6	57.8%
1/20/2021 8:00:00 PM	29.7	77	91	40	28.6	59.3%
1/20/2021 9:00:00 PM	29.7	53	62	40	28.7	59.7%
1/20/2021 10:00:00 PM	28.5	43	51	35	28.3	39.2%
1/20/2021 11:00:00 PM	30.0	28	33	40	29.1	57.6%
1/21/2021 12:00:00 AM	28.8	10	12	35	28.5	41.7%
1/21/2021 1:00:00 AM	28.3	14	17	35	28.2	41.2%
1/21/2021 2:00:00 AM	30.0	6	7	35	28.8	57.1%
1/21/2021 3:00:00 AM	32.5	5	6	35	30.8	50.0%
1/21/2021 4:00:00 AM	30.0	4	5	35	29.2	60.0%
1/21/2021 5:00:00 AM	30.0	7	8	35	29.2	37.5%
1/21/2021 6:00:00 AM	28.6	16	19	35	28.1	42.1%
1/21/2021 7:00:00 AM	29.8	41	48	40	28.8	54.2%
1/21/2021 8:00:00 AM	29.9	77	91	45	29.3	51.6%
1/21/2021 9:00:00 AM	30.0	68	80	35	28.7	62.5%
1/21/2021 10:00:00 AM	29.5	69	81	40	28.5	55.6%
1/21/2021 11:00:00 AM	29.6	79	93	40	28.7	53.8%
1/21/2021 12:00:00 PM	29.6	96	113	40	28.6	54.9%
1/21/2021 1:00:00 PM	29.7	105	123	35	28.6	56.9%
1/21/2021 2:00:00 PM	29.3	97	114	40	28.6	46.5%

1/21/2021 3:00:00 PM	29.7	135	159	40	28.7	57.2%
1/21/2021 4:00:00 PM	31.0	143	168	40	28.9	67.9%
1/21/2021 5:00:00 PM	31.1	157	185	45	29.0	69.2%
1/21/2021 6:00:00 PM	30.2	149	175	40	28.8	68.0%
1/21/2021 7:00:00 PM	29.6	113	133	40	28.7	57.9%
1/21/2021 8:00:00 PM	29.7	76	89	40	28.8	53.9%
1/21/2021 9:00:00 PM	29.8	48	57	35	28.8	54.4%
1/21/2021 10:00:00 PM	28.8	42	50	40	28.3	48.0%
1/21/2021 11:00:00 PM	30.0	27	32	40	29.3	53.1%
1/22/2021 12:00:00 AM	28.3	18	21	35	28.2	33.3%
1/22/2021 1:00:00 AM	27.5	13	15	30	27.5	26.7%
1/22/2021 2:00:00 AM	27.5	8	10	35	29.2	30.0%
1/22/2021 3:00:00 AM	35.0	6	7	40	33.8	57.1%
1/22/2021 4:00:00 AM	30.0	11	13	35	29.5	38.5%
1/22/2021 5:00:00 AM	28.8	12	14	35	28.5	35.7%
1/22/2021 6:00:00 AM	32.5	14	16	35	29.7	56.3%
1/22/2021 7:00:00 AM	29.7	45	53	40	29.1	47.2%
1/22/2021 8:00:00 AM	29.9	78	92	40	28.9	58.7%
1/22/2021 9:00:00 AM	29.4	69	81	45	28.7	50.6%
1/22/2021 10:00:00 AM	30.0	71	83	40	28.9	57.8%
1/22/2021 11:00:00 AM	29.0	82	97	40	28.2	52.6%
1/22/2021 12:00:00 PM	29.0	102	120	40	28.4	46.7%
1/22/2021 1:00:00 PM	29.5	126	148	40	28.5	54.7%
1/22/2021 2:00:00 PM	29.9	105	123	40	28.9	53.7%
1/22/2021 3:00:00 PM	31.1	123	145	40	29.1	66.9%
1/22/2021 4:00:00 PM	31.1	149	175	40	29.2	60.6%
1/22/2021 5:00:00 PM	32.0	146	172	45	29.4	73.8%
1/22/2021 6:00:00 PM	30.2	144	170	40	28.9	65.3%
1/22/2021 7:00:00 PM	31.0	113	133	50	29.2	62.4%
1/22/2021 8:00:00 PM	29.7	88	104	40	28.5	68.3%
1/22/2021 9:00:00 PM	29.8	73	86	40	28.6	61.6%
1/22/2021 10:00:00 PM	31.7	50	59	45	29.5	69.5%
1/22/2021 11:00:00 PM	29.3	33	39	35	28.6	48.7%
1/23/2021 12:00:00 AM	31.7	16	19	40	29.8	57.9%

1/23/2021 1:00:00 AM	30.0	8	9	35	28.5	55.6%
1/23/2021 2:00:00 AM	29.2	11	13	55	31.1	53.8%
1/23/2021 3:00:00 AM	32.5	14	16	45	30.3	56.3%
1/23/2021 4:00:00 AM	22.5	3	4	25	NaN	0.0%
1/23/2021 5:00:00 AM	32.5	7	8	35	30.8	37.5%
1/23/2021 6:00:00 AM	32.5	12	14	50	32.5	42.9%
1/23/2021 7:00:00 AM	26.7	11	13	30	27.5	23.1%
1/23/2021 8:00:00 AM	30.0	28	33	35	28.8	60.6%
1/23/2021 9:00:00 AM	30.0	28	33	50	29.9	57.6%
1/23/2021 10:00:00 AM	29.9	65	76	40	28.6	64.5%
1/23/2021 11:00:00 AM	32.1	70	82	40	29.5	65.9%
1/23/2021 12:00:00 PM	29.6	85	100	35	28.4	62.0%
1/23/2021 1:00:00 PM	29.8	99	117	40	28.5	66.7%
1/23/2021 2:00:00 PM	30.7	115	135	40	28.9	65.2%
1/23/2021 3:00:00 PM	30.0	95	112	40	29.1	56.3%
1/23/2021 4:00:00 PM	31.5	106	125	40	29.1	71.2%
1/23/2021 5:00:00 PM	32.4	108	127	40	29.5	71.7%
1/23/2021 6:00:00 PM	31.8	109	128	45	29.4	67.2%
1/23/2021 7:00:00 PM	29.9	105	123	40	28.7	62.6%
1/23/2021 8:00:00 PM	29.6	72	85	40	28.6	56.5%
1/23/2021 9:00:00 PM	30.6	57	67	45	29.1	65.7%
1/23/2021 10:00:00 PM	30.6	49	58	45	29.6	53.4%
1/23/2021 11:00:00 PM	29.2	37	44	40	29.2	40.9%
1/24/2021 12:00:00 AM	29.5	18	21	35	28.3	57.1%
1/24/2021 1:00:00 AM	29.3	11	13	35	28.1	61.5%
1/24/2021 2:00:00 AM	27.5	13	15	35	29.2	20.0%
1/24/2021 3:00:00 AM	30.0	7	8	35	28.5	62.5%
1/24/2021 4:00:00 AM	30.0	2	2	30	27.5	50.0%
1/24/2021 5:00:00 AM	30.0	6	7	35	28.8	57.1%
1/24/2021 6:00:00 AM	27.5	4	5	30	27.5	40.0%
1/24/2021 7:00:00 AM	31.3	20	24	40	30.8	37.5%
1/24/2021 8:00:00 AM	28.6	12	14	30	27.5	50.0%
1/24/2021 9:00:00 AM	28.9	20	24	35	27.8	62.5%
1/24/2021 10:00:00 AM	29.4	39	46	35	28.2	63.0%

1/24/2021 11:00:00 AM	31.5	71	83	35	29.4	54.2%
1/24/2021 12:00:00 PM	29.3	63	74	50	28.9	48.6%
1/24/2021 1:00:00 PM	29.6	100	118	40	28.5	63.6%
1/24/2021 2:00:00 PM	29.9	92	108	40	28.8	56.5%
1/24/2021 3:00:00 PM	29.9	89	105	45	28.9	61.0%
1/24/2021 4:00:00 PM	29.5	96	113	40	28.5	64.6%
1/24/2021 5:00:00 PM	29.4	84	99	35	28.3	58.6%
1/24/2021 6:00:00 PM	28.6	105	124	40	28.0	45.2%
1/24/2021 7:00:00 PM	28.1	60	70	35	27.7	35.7%
1/24/2021 8:00:00 PM	26.1	43	51	35	28.0	19.6%
1/24/2021 9:00:00 PM	27.9	38	45	35	28.2	31.1%
1/24/2021 10:00:00 PM	27.5	26	30	30	27.5	26.7%
1/24/2021 11:00:00 PM	28.8	19	22	35	28.1	40.9%
1/25/2021 12:00:00 AM	27.5	8	10	30	27.5	40.0%
1/25/2021 1:00:00 AM	26.7	11	13	30	27.5	23.1%
1/25/2021 2:00:00 AM	27.5	4	5	30	27.5	40.0%
1/25/2021 3:00:00 AM	25.0	5	6	45	42.5	16.7%
1/25/2021 4:00:00 AM	32.5	8	9	35	30.0	44.4%
1/25/2021 5:00:00 AM	28.3	7	8	30	27.5	37.5%
1/25/2021 6:00:00 AM	26.7	15	18	35	28.8	22.2%
1/25/2021 7:00:00 AM	30.8	37	43	40	29.2	53.5%
1/25/2021 8:00:00 AM	28.8	57	67	35	28.5	37.3%
1/25/2021 9:00:00 AM	28.5	84	99	40	28.0	44.4%
1/25/2021 10:00:00 AM	28.5	63	74	35	28.2	36.5%
1/25/2021 11:00:00 AM	29.1	74	87	35	28.2	51.7%
1/25/2021 12:00:00 PM	29.3	81	95	35	28.1	56.8%
1/25/2021 1:00:00 PM	29.9	107	126	65	29.5	51.6%
1/25/2021 2:00:00 PM	29.5	88	104	40	28.9	52.9%
1/25/2021 3:00:00 PM	29.7	94	110	40	28.8	54.5%
1/25/2021 4:00:00 PM	29.4	110	130	40	28.6	51.5%
1/25/2021 5:00:00 PM	29.4	124	146	35	28.2	63.7%
1/25/2021 6:00:00 PM	29.9	126	148	40	28.6	67.6%
1/25/2021 7:00:00 PM	29.5	83	98	40	28.4	59.2%
1/25/2021 8:00:00 PM	29.8	51	60	35	28.8	53.3%

1/25/2021 9:00:00 PM	29.2	55	65	40	28.6	49.2%
1/25/2021 10:00:00 PM	31.7	40	47	50	29.7	61.7%
1/25/2021 11:00:00 PM	30.0	20	24	55	30.4	58.3%
1/26/2021 12:00:00 AM	28.0	16	19	35	28.3	31.6%
1/26/2021 1:00:00 AM	24.3	8	10	30	27.5	10.0%
1/26/2021 2:00:00 AM	28.3	7	8	30	27.5	37.5%
1/26/2021 3:00:00 AM	30.0	4	5	35	29.2	60.0%
1/26/2021 4:00:00 AM	30.0	5	6	35	29.2	50.0%
1/26/2021 5:00:00 AM	30.0	8	9	35	30.0	22.2%
1/26/2021 6:00:00 AM	30.0	13	15	35	28.8	53.3%
1/26/2021 7:00:00 AM	29.7	30	35	40	28.7	60.0%
1/26/2021 8:00:00 AM	29.7	54	63	40	28.6	57.1%
1/26/2021 9:00:00 AM	29.8	64	75	40	29.0	54.7%
1/26/2021 10:00:00 AM	28.9	47	55	40	28.3	47.3%
1/26/2021 11:00:00 AM	29.4	70	82	40	28.7	51.2%
1/26/2021 12:00:00 PM	29.6	66	78	40	28.7	55.1%
1/26/2021 1:00:00 PM	28.8	108	127	40	27.9	52.8%
1/26/2021 2:00:00 PM	29.0	92	108	40	28.6	41.7%
1/26/2021 3:00:00 PM	29.4	110	129	50	28.8	51.9%
1/26/2021 4:00:00 PM	30.5	113	133	40	29.0	62.4%
1/26/2021 5:00:00 PM	30.0	133	157	45	28.8	68.2%
1/26/2021 6:00:00 PM	29.8	135	159	40	28.7	59.7%
1/26/2021 7:00:00 PM	29.7	100	118	40	28.7	60.2%
1/26/2021 8:00:00 PM	29.3	59	69	35	28.1	58.0%
1/26/2021 9:00:00 PM	29.6	48	56	40	28.8	53.6%
1/26/2021 10:00:00 PM	29.6	33	39	40	29.6	48.7%
1/26/2021 11:00:00 PM	31.3	31	36	45	29.6	58.3%
1/27/2021 12:00:00 AM	29.0	14	17	35	28.9	41.2%
1/27/2021 1:00:00 AM	27.5	13	15	30	27.5	26.7%
1/27/2021 2:00:00 AM	25.0	2	2	25	NaN	0.0%
1/27/2021 3:00:00 AM	28.3	9	11	35	28.8	36.4%
1/27/2021 4:00:00 AM	32.5	6	7	35	30.8	42.9%
1/27/2021 5:00:00 AM	24.2	7	8	25	NaN	0.0%
1/27/2021 6:00:00 AM	28.3	12	14	30	27.5	42.9%

1/27/2021 7:00:00 AM 32.5 5 6 35 30.0 66.7%

**85th percentile speeds, counts and total counts by day:**

<b>Date/Time Ending</b>	<b>85th pctl(mph)</b>	<b>85th pctl counts</b>	<b>Total</b>	<b>Max Speed</b>	<b>Avg Speeder</b>	<b>% Speeders</b>
1/21/2021 12:00:00 AM	29.7	1442	1697	60	28.8	57.0%
1/22/2021 12:00:00 AM	29.8	1593	1874	45	28.8	58.0%
1/23/2021 12:00:00 AM	30.0	1678	1974	50	28.9	59.3%
1/24/2021 12:00:00 AM	30.6	1312	1543	55	29.1	62.3%
1/25/2021 12:00:00 AM	29.3	1028	1210	50	28.5	51.3%
1/26/2021 12:00:00 AM	29.4	1361	1601	65	28.6	52.8%
1/27/2021 12:00:00 AM	29.6	1351	1589	50	28.7	55.4%
1/27/2021 6:10:00 AM	28.8	54	63	35	28.7	33.3%