

# TRAFFIC ANALYSIS REPORT

For Project: Speed Trailer  
Location/Name: BEACON HILL E/B AT STURBRIDGE  
Report Generated: 6/7/2021 7:05:22 AM  
Speed Intervals = 5 mph  
Time Intervals = 5 minutes

Traffic Report From 5/27/2021 8:40:00 AM through 6/3/2021 6:40:00 AM

85th Percentile Speed = 29.8 mph  
85th Percentile Vehicles = 12,617 counts  
Max Speed = 80.0 mph on 5/27/2021 3:05:00 PM  
Total Vehicles = 14,843 counts  
AADT: 2146.0

## Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		1,993	1,967
AM peak	10:00 to 11:00	115	112
PM peak	4:00 to 5:00	192	172

## Speed

Speed limit: 25 mph  
85th Percentile Speed: 29.8 mph  
Average Speed: 25.4 mph

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Count over limit	958	1325	1274	1103	1295	1123	1083
% over limit	53.9	54.8	56.2	51.4	53.3	58.7	57.3
Avg speeder	28.9	28.9	29.1	28.8	28.7	29.0	29.0

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

<u>Date/Time Ending</u>	<u>85th pctl(mph)</u>	<u>85th pctl cnts</u>	<u>Total cnts</u>	<u>Max Speed</u>	<u>Avg Speeder</u>	<u>% Speeders</u>
5/27/2021 9:00:00 AM	29.6	32	38	70	31.6	44.7%
5/27/2021 10:00:00 AM	29.6	89	105	40	28.6	54.3%
5/27/2021 11:00:00 AM	29.2	99	116	35	28.4	45.7%
5/27/2021 12:00:00 PM	29.1	116	136	35	28.4	45.6%
5/27/2021 1:00:00 PM	28.9	131	154	40	28.5	44.2%
5/27/2021 2:00:00 PM	29.6	111	131	55	29.1	55.0%
5/27/2021 3:00:00 PM	28.8	152	179	75	28.5	47.5%
5/27/2021 4:00:00 PM	29.8	167	197	80	29.2	54.3%
5/27/2021 5:00:00 PM	29.4	192	226	40	28.5	53.5%
5/27/2021 6:00:00 PM	29.7	158	186	60	28.7	65.1%
5/27/2021 7:00:00 PM	29.2	113	133	40	28.4	51.9%
5/27/2021 8:00:00 PM	29.4	122	144	35	28.4	55.6%
5/27/2021 9:00:00 PM	30.5	100	118	35	29.0	57.6%
5/27/2021 10:00:00 PM	29.8	64	75	40	29.1	46.7%
5/27/2021 11:00:00 PM	28.9	48	57	35	28.3	45.6%
5/28/2021 12:00:00 AM	27.5	29	34	40	29.4	23.5%
5/28/2021 1:00:00 AM	27.5	19	22	40	31.3	18.2%
5/28/2021 2:00:00 AM	27.5	11	13	30	27.5	30.8%
5/28/2021 3:00:00 AM	26.7	9	11	30	27.5	27.3%
5/28/2021 4:00:00 AM	27.5	8	9	30	27.5	22.2%
5/28/2021 5:00:00 AM	29.5	16	19	35	28.3	63.2%
5/28/2021 6:00:00 AM	30.0	17	20	35	29.4	40.0%
5/28/2021 7:00:00 AM	29.0	48	56	40	28.0	57.1%
5/28/2021 8:00:00 AM	28.8	103	121	35	28.0	47.9%
5/28/2021 9:00:00 AM	29.2	128	150	35	28.3	51.3%
5/28/2021 10:00:00 AM	29.0	95	112	80	29.2	48.2%
5/28/2021 11:00:00 AM	29.3	116	136	75	29.5	48.5%
5/28/2021 12:00:00 PM	29.1	113	133	35	28.0	55.6%
5/28/2021 1:00:00 PM	28.9	118	139	45	28.3	46.8%
5/28/2021 2:00:00 PM	29.2	131	154	55	28.7	53.2%
5/28/2021 3:00:00 PM	29.4	156	183	35	28.3	58.5%
5/28/2021 4:00:00 PM	29.6	182	214	40	28.5	60.3%

5/28/2021 5:00:00 PM	29.7	167	196	35	28.6	56.1%
5/28/2021 6:00:00 PM	29.7	149	175	45	28.8	57.7%
5/28/2021 7:00:00 PM	30.4	140	165	40	28.9	61.8%
5/28/2021 8:00:00 PM	29.7	109	128	40	28.6	58.6%
5/28/2021 9:00:00 PM	29.5	86	101	40	28.7	48.5%
5/28/2021 10:00:00 PM	29.5	71	84	45	29.0	46.4%
5/28/2021 11:00:00 PM	31.1	46	54	40	29.6	48.1%
5/29/2021 12:00:00 AM	29.5	27	32	75	32.2	46.9%
5/29/2021 1:00:00 AM	30.0	17	20	35	29.2	45.0%
5/29/2021 2:00:00 AM	25.0	16	19	35	29.2	15.8%
5/29/2021 3:00:00 AM	31.7	14	16	35	29.2	56.3%
5/29/2021 4:00:00 AM	27.5	7	8	30	27.5	25.0%
5/29/2021 5:00:00 AM	25.0	6	7	40	37.5	14.3%
5/29/2021 6:00:00 AM	28.3	10	12	35	28.8	33.3%
5/29/2021 7:00:00 AM	29.4	30	35	35	29.2	34.3%
5/29/2021 8:00:00 AM	29.5	47	55	40	28.8	49.1%
5/29/2021 9:00:00 AM	30.0	50	59	40	29.0	57.6%
5/29/2021 10:00:00 AM	29.6	71	83	40	28.7	51.8%
5/29/2021 11:00:00 AM	31.0	99	117	40	29.2	57.3%
5/29/2021 12:00:00 PM	29.7	101	119	40	28.6	62.2%
5/29/2021 1:00:00 PM	29.9	122	143	40	29.0	50.3%
5/29/2021 2:00:00 PM	29.8	134	158	45	28.8	58.2%
5/29/2021 3:00:00 PM	31.1	132	155	55	29.3	67.7%
5/29/2021 4:00:00 PM	30.9	133	156	40	28.8	69.9%
5/29/2021 5:00:00 PM	31.1	92	108	40	28.9	68.5%
5/29/2021 6:00:00 PM	30.0	103	121	45	29.0	61.2%
5/29/2021 7:00:00 PM	30.8	112	132	40	29.1	62.1%
5/29/2021 8:00:00 PM	30.6	109	128	40	29.0	60.9%
5/29/2021 9:00:00 PM	30.4	76	90	45	29.1	64.4%
5/29/2021 10:00:00 PM	29.5	59	69	35	28.4	58.0%
5/29/2021 11:00:00 PM	30.0	58	68	40	29.1	54.4%
5/30/2021 12:00:00 AM	29.6	30	35	35	28.7	48.6%
5/30/2021 1:00:00 AM	28.8	18	21	35	29.2	28.6%
5/30/2021 2:00:00 AM	29.2	16	19	45	30.0	42.1%

5/30/2021 3:00:00 AM	30.0	8	10	35	29.5	50.0%
5/30/2021 4:00:00 AM	28.8	11	13	35	28.5	38.5%
5/30/2021 5:00:00 AM	30.0	5	6	55	35.8	50.0%
5/30/2021 6:00:00 AM	37.5	4	5	40	35.8	60.0%
5/30/2021 7:00:00 AM	29.4	16	19	45	29.5	52.6%
5/30/2021 8:00:00 AM	29.4	42	49	35	28.2	59.2%
5/30/2021 9:00:00 AM	29.6	44	52	35	29.2	40.4%
5/30/2021 10:00:00 AM	31.8	73	86	40	29.6	59.3%
5/30/2021 11:00:00 AM	29.6	79	93	35	28.7	48.4%
5/30/2021 12:00:00 PM	29.6	110	130	40	28.7	55.4%
5/30/2021 1:00:00 PM	31.3	107	126	40	29.1	70.6%
5/30/2021 2:00:00 PM	30.4	133	156	40	28.9	61.5%
5/30/2021 3:00:00 PM	29.8	108	127	40	28.7	59.8%
5/30/2021 4:00:00 PM	29.7	107	126	45	29.1	55.6%
5/30/2021 5:00:00 PM	30.9	114	134	40	28.9	65.7%
5/30/2021 6:00:00 PM	31.7	120	141	40	29.4	61.0%
5/30/2021 7:00:00 PM	29.9	130	153	40	28.8	58.2%
5/30/2021 8:00:00 PM	30.0	95	112	40	29.0	55.4%
5/30/2021 9:00:00 PM	30.9	91	107	40	29.1	65.4%
5/30/2021 10:00:00 PM	29.2	82	97	40	28.8	44.3%
5/30/2021 11:00:00 PM	29.3	54	64	35	28.3	56.3%
5/31/2021 12:00:00 AM	28.8	37	44	35	28.3	45.5%
5/31/2021 1:00:00 AM	28.3	22	26	35	28.0	38.5%
5/31/2021 2:00:00 AM	30.0	14	16	40	30.5	31.3%
5/31/2021 3:00:00 AM	29.4	12	14	35	28.1	64.3%
5/31/2021 4:00:00 AM	27.5	6	7	30	27.5	28.6%
5/31/2021 5:00:00 AM	27.5	4	5	30	27.5	40.0%
5/31/2021 6:00:00 AM	28.8	6	7	30	27.5	57.1%
5/31/2021 7:00:00 AM	28.3	18	21	30	27.5	42.9%
5/31/2021 8:00:00 AM	29.8	53	62	40	29.3	45.2%
5/31/2021 9:00:00 AM	29.8	47	55	40	28.9	52.7%
5/31/2021 10:00:00 AM	29.2	48	57	40	28.5	50.9%
5/31/2021 11:00:00 AM	31.1	86	101	40	29.5	54.5%
5/31/2021 12:00:00 PM	30.5	108	127	40	28.9	59.8%

5/31/2021 1:00:00 PM	30.0	122	144	40	29.0	55.6%
5/31/2021 2:00:00 PM	29.4	98	115	35	28.4	54.8%
5/31/2021 3:00:00 PM	29.4	123	145	40	28.7	50.3%
5/31/2021 4:00:00 PM	29.9	110	130	40	28.9	55.4%
5/31/2021 5:00:00 PM	29.8	107	126	40	28.9	58.7%
5/31/2021 6:00:00 PM	31.1	105	123	40	29.3	56.9%
5/31/2021 7:00:00 PM	31.5	114	134	40	29.5	58.2%
5/31/2021 8:00:00 PM	29.7	105	124	35	28.5	59.7%
5/31/2021 9:00:00 PM	30.4	92	108	40	29.3	55.6%
5/31/2021 10:00:00 PM	28.3	56	66	35	28.2	34.8%
5/31/2021 11:00:00 PM	29.2	30	35	40	29.2	42.9%
6/1/2021 12:00:00 AM	30.0	26	31	45	30.6	58.1%
6/1/2021 1:00:00 AM	28.3	14	16	30	27.5	37.5%
6/1/2021 2:00:00 AM	25.0	4	5	30	27.5	20.0%
6/1/2021 3:00:00 AM	28.8	10	12	45	30.5	41.7%
6/1/2021 4:00:00 AM	27.5	5	6	30	27.5	33.3%
6/1/2021 5:00:00 AM	30.0	14	16	40	30.0	50.0%
6/1/2021 6:00:00 AM	28.5	29	34	35	27.9	41.2%
6/1/2021 7:00:00 AM	29.2	58	68	75	29.3	54.4%
6/1/2021 8:00:00 AM	29.9	112	132	65	29.3	60.6%
6/1/2021 9:00:00 AM	29.6	118	139	70	29.2	51.8%
6/1/2021 10:00:00 AM	29.6	103	121	40	29.1	46.3%
6/1/2021 11:00:00 AM	30.3	104	122	40	29.0	59.0%
6/1/2021 12:00:00 PM	30.6	109	128	70	29.8	53.1%
6/1/2021 1:00:00 PM	29.9	128	150	50	29.2	50.7%
6/1/2021 2:00:00 PM	29.9	129	152	40	28.8	56.6%
6/1/2021 3:00:00 PM	29.3	157	185	70	28.8	53.5%
6/1/2021 4:00:00 PM	29.8	162	190	40	28.9	56.8%
6/1/2021 5:00:00 PM	29.8	162	191	40	28.8	56.5%
6/1/2021 6:00:00 PM	29.7	137	161	40	28.5	62.7%
6/1/2021 7:00:00 PM	31.0	150	176	40	29.0	60.8%
6/1/2021 8:00:00 PM	29.5	112	132	40	28.7	53.8%
6/1/2021 9:00:00 PM	29.7	91	107	40	28.8	56.1%
6/1/2021 10:00:00 PM	29.7	79	93	35	28.8	51.6%

6/1/2021 11:00:00 PM	29.2	54	64	35	28.5	48.4%
6/2/2021 12:00:00 AM	29.4	19	22	50	29.8	50.0%
6/2/2021 1:00:00 AM	27.5	18	21	35	28.5	23.8%
6/2/2021 2:00:00 AM	28.3	7	8	30	27.5	37.5%
6/2/2021 3:00:00 AM	30.0	10	12	40	29.6	58.3%
6/2/2021 4:00:00 AM	30.0	7	8	35	28.8	50.0%
6/2/2021 5:00:00 AM	24.4	10	12	30	27.5	8.3%
6/2/2021 6:00:00 AM	29.4	19	22	35	28.5	45.5%
6/2/2021 7:00:00 AM	29.8	51	60	35	28.9	48.3%
6/2/2021 8:00:00 AM	29.8	112	132	60	29.1	59.1%
6/2/2021 9:00:00 AM	29.9	105	124	75	29.6	62.1%
6/2/2021 10:00:00 AM	29.6	99	117	60	29.1	51.3%
6/2/2021 11:00:00 AM	29.8	90	106	40	29.2	43.4%
6/2/2021 12:00:00 PM	29.7	111	131	40	28.7	57.3%
6/2/2021 1:00:00 PM	29.7	110	129	40	28.7	57.4%
6/2/2021 2:00:00 PM	29.8	138	162	80	29.7	51.9%
6/2/2021 3:00:00 PM	29.8	139	163	40	28.9	53.4%
6/2/2021 4:00:00 PM	31.3	139	163	45	29.3	58.3%
6/2/2021 5:00:00 PM	29.9	160	188	35	28.7	60.1%
6/2/2021 6:00:00 PM	31.0	142	167	35	29.1	59.9%
6/2/2021 7:00:00 PM	29.9	129	152	40	28.8	61.2%
6/2/2021 8:00:00 PM	32.3	122	144	40	29.6	69.4%
6/2/2021 9:00:00 PM	30.3	91	107	40	29.1	54.2%
6/2/2021 10:00:00 PM	30.0	53	62	45	29.2	58.1%
6/2/2021 11:00:00 PM	31.4	36	42	40	29.2	61.9%
6/3/2021 12:00:00 AM	29.2	27	32	35	29.5	31.3%
6/3/2021 1:00:00 AM	33.3	13	15	45	31.8	46.7%
6/3/2021 2:00:00 AM	25.0	6	7	30	27.5	14.3%
6/3/2021 3:00:00 AM	35.0	4	5	40	32.5	60.0%
6/3/2021 4:00:00 AM	30.0	13	15	35	28.9	46.7%
6/3/2021 5:00:00 AM	32.5	13	15	40	30.4	46.7%
6/3/2021 6:00:00 AM	29.5	23	27	35	28.6	51.9%
6/3/2021 7:00:00 AM	32.5	30	35	45	31.0	48.6%

**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>
5/28/2021 12:00:00 AM	29.4	1725	2029	80	28.7	51.7%
5/29/2021 12:00:00 AM	29.4	2063	2427	80	28.7	53.3%
5/30/2021 12:00:00 AM	30.0	1626	1913	55	29.0	58.7%
5/31/2021 12:00:00 AM	30.0	1606	1890	55	29.0	57.3%
6/1/2021 12:00:00 AM	29.8	1512	1779	45	28.9	53.9%
6/2/2021 12:00:00 AM	29.7	2059	2422	75	28.9	54.8%
6/3/2021 12:00:00 AM	30.0	1924	2264	80	29.1	56.1%
6/3/2021 6:40:00 AM	31.0	101	119	45	30.2	47.1%