

## TRAFFIC ANALYSIS REPORT

For Project: Speed Trailer  
Location/Name: BEACON HILL AT SCHOOLHOUSE E/B  
Report Generated: 10/31/2019 6:28:09 AM  
Speed Intervals = 5 mph  
Time Intervals = 5 minutes

Traffic Report From 10/23/2019 6:40:00 AM through 10/31/2019 6:15:00 AM

85th Percentile Speed = 27.5 mph  
85th Percentile Vehicles = 14,028 counts  
**Max Speed = 70.0 mph on 10/29/2019 2:20:00 PM**  
Total Vehicles = 16,504 counts  
AADT: 2067.5

### Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		1,996	1,885
AM peak	8:00 to 9:00	190	148
PM peak	4:00 to 5:00	176	164

### Speed

Speed limit: 25 mph  
85th Percentile Speed: 27.5 mph  
Average Speed: 22.4 mph

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Count over limit	608	556	1108	656	557	392	447
% over limit	27.2	26.2	25.5	28.8	24.1	24.6	27.6
Avg speeder	28.4	28.3	28.3	28.4	28.3	28.3	28.4

**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>
10/23/2019 7:00:00 AM	24.5	16	19	30	27.5	10.5%
10/23/2019 8:00:00 AM	26.9	133	157	40	28.5	22.9%
10/23/2019 9:00:00 AM	27.2	152	179	40	28.8	23.5%
10/23/2019 10:00:00 AM	28.3	105	123	40	28.5	31.7%
10/23/2019 11:00:00 AM	28.5	88	103	40	28.6	35.0%
10/23/2019 12:00:00 PM	27.1	94	111	35	28.7	22.5%
10/23/2019 1:00:00 PM	28.5	124	146	40	28.4	37.0%
10/23/2019 2:00:00 PM	27.5	117	138	35	28.0	27.5%
10/23/2019 3:00:00 PM	27.6	136	160	45	28.7	26.9%
10/23/2019 4:00:00 PM	28.4	130	153	35	28.3	35.3%
10/23/2019 5:00:00 PM	27.8	159	187	40	29.0	25.7%
10/23/2019 6:00:00 PM	28.0	173	203	35	28.7	27.6%
10/23/2019 7:00:00 PM	27.6	144	170	35	28.2	27.6%
10/23/2019 8:00:00 PM	27.8	125	147	35	28.1	29.9%
10/23/2019 9:00:00 PM	27.4	88	103	40	29.0	22.3%
10/23/2019 10:00:00 PM	28.5	39	46	40	28.3	41.3%
10/23/2019 11:00:00 PM	28.0	26	31	35	28.0	35.5%
10/24/2019 12:00:00 AM	26.0	20	24	30	27.5	20.8%
10/24/2019 1:00:00 AM	24.4	9	11	30	27.5	9.1%
10/24/2019 2:00:00 AM	23.3	4	5	25	NaN	0.0%
10/24/2019 3:00:00 AM	35.0	5	6	45	32.5	66.7%
10/24/2019 4:00:00 AM	30.0	5	6	35	30.0	33.3%
10/24/2019 5:00:00 AM	30.0	5	6	35	30.0	33.3%
10/24/2019 6:00:00 AM	28.8	17	20	35	29.2	30.0%
10/24/2019 7:00:00 AM	27.5	71	83	35	27.7	27.7%
10/24/2019 8:00:00 AM	27.8	156	184	40	28.0	31.5%
10/24/2019 9:00:00 AM	27.7	156	183	35	28.1	28.4%
10/24/2019 10:00:00 AM	28.9	111	131	40	28.9	38.2%
10/24/2019 11:00:00 AM	28.3	85	100	35	28.2	34.0%
10/24/2019 12:00:00 PM	28.4	107	126	35	28.6	31.7%
10/24/2019 1:00:00 PM	28.7	101	119	35	28.7	34.5%
10/24/2019 2:00:00 PM	28.0	107	126	40	28.4	31.0%

10/24/2019 3:00:00 PM	27.8	134	158	40	28.6	28.5%
10/24/2019 4:00:00 PM	27.4	147	173	40	28.4	25.4%
10/24/2019 5:00:00 PM	27.1	148	174	35	27.9	24.1%
10/24/2019 6:00:00 PM	27.4	162	190	35	28.1	25.8%
10/24/2019 7:00:00 PM	26.7	133	157	35	28.4	21.0%
10/24/2019 8:00:00 PM	27.7	87	102	35	27.8	29.4%
10/24/2019 9:00:00 PM	26.0	53	62	35	28.0	17.7%
10/24/2019 10:00:00 PM	28.9	45	53	40	28.9	41.5%
10/24/2019 11:00:00 PM	27.5	23	27	35	28.2	25.9%
10/25/2019 12:00:00 AM	26.7	20	23	40	30.0	17.4%
10/25/2019 1:00:00 AM	26.7	15	18	35	28.8	22.2%
10/25/2019 2:00:00 AM	25.0	5	6	30	27.5	16.7%
10/25/2019 3:00:00 AM	25.0	6	7	30	27.5	14.3%
10/25/2019 4:00:00 AM	28.8	8	9	30	27.5	44.4%
10/25/2019 5:00:00 AM	25.0	11	13	30	27.5	15.4%
10/25/2019 6:00:00 AM	27.5	25	29	40	28.9	24.1%
10/25/2019 7:00:00 AM	28.1	47	55	35	28.1	32.7%
10/25/2019 8:00:00 AM	27.1	144	169	35	28.1	23.7%
10/25/2019 9:00:00 AM	24.9	150	176	35	28.3	13.6%
10/25/2019 10:00:00 AM	28.4	93	109	40	28.6	32.1%
10/25/2019 11:00:00 AM	27.6	58	68	50	28.8	27.9%
10/25/2019 12:00:00 PM	26.3	104	122	30	27.5	19.7%
10/25/2019 1:00:00 PM	28.0	110	129	35	28.3	30.2%
10/25/2019 2:00:00 PM	26.3	120	141	35	28.1	19.1%
10/25/2019 3:00:00 PM	27.1	144	170	35	28.2	24.1%
10/25/2019 4:00:00 PM	27.4	128	150	35	27.9	26.0%
10/25/2019 5:00:00 PM	27.6	179	211	40	28.2	28.0%
10/25/2019 6:00:00 PM	26.3	155	182	35	27.8	19.8%
10/25/2019 7:00:00 PM	25.8	160	188	35	27.8	17.6%
10/25/2019 8:00:00 PM	27.9	100	118	35	28.4	29.7%
10/25/2019 9:00:00 PM	25.9	86	101	35	27.8	17.8%
10/25/2019 10:00:00 PM	28.1	54	64	35	28.9	28.1%
10/25/2019 11:00:00 PM	29.6	35	41	40	29.4	43.9%
10/26/2019 12:00:00 AM	29.5	33	39	40	29.5	38.5%

10/26/2019 1:00:00 AM	27.5	10	12	35	29.2	25.0%
10/26/2019 2:00:00 AM	35.0	8	9	45	33.5	55.6%
10/26/2019 3:00:00 AM	30.0	9	11	35	29.2	54.5%
10/26/2019 4:00:00 AM	30.0	5	6	35	28.8	66.7%
10/26/2019 5:00:00 AM	27.5	5	6	30	27.5	33.3%
10/26/2019 6:00:00 AM	28.8	4	5	30	27.5	80.0%
10/26/2019 7:00:00 AM	27.5	11	13	35	29.2	23.1%
10/26/2019 8:00:00 AM	29.7	37	43	35	28.7	48.8%
10/26/2019 9:00:00 AM	27.5	47	55	35	28.2	25.5%
10/26/2019 10:00:00 AM	27.8	71	83	35	28.7	25.3%
10/26/2019 11:00:00 AM	27.5	93	109	35	28.0	26.6%
10/26/2019 12:00:00 PM	27.1	126	148	35	28.1	23.6%
10/26/2019 1:00:00 PM	26.3	77	91	35	28.1	19.8%
10/26/2019 2:00:00 PM	27.1	104	122	40	28.4	23.0%
10/26/2019 3:00:00 PM	27.2	95	112	35	27.8	25.9%
10/26/2019 4:00:00 PM	27.4	99	117	35	28.5	24.8%
10/26/2019 5:00:00 PM	26.3	113	133	35	28.1	19.5%
10/26/2019 6:00:00 PM	27.4	90	106	35	28.0	26.4%
10/26/2019 7:00:00 PM	25.8	102	120	35	27.7	17.5%
10/26/2019 8:00:00 PM	26.2	64	75	35	27.9	18.7%
10/26/2019 9:00:00 PM	24.6	65	77	35	28.1	11.7%
10/26/2019 10:00:00 PM	28.4	54	64	40	28.6	35.9%
10/26/2019 11:00:00 PM	27.8	36	42	35	28.4	26.2%
10/27/2019 12:00:00 AM	27.2	28	33	30	27.5	27.3%
10/27/2019 1:00:00 AM	28.3	14	16	40	30.0	25.0%
10/27/2019 2:00:00 AM	25.0	7	8	30	27.5	12.5%
10/27/2019 3:00:00 AM	32.5	8	10	40	34.2	30.0%
10/27/2019 4:00:00 AM	23.8	5	6	25	NaN	0.0%
10/27/2019 5:00:00 AM	25.0	3	4	30	27.5	25.0%
10/27/2019 6:00:00 AM	42.5	8	10	50	36.8	70.0%
10/27/2019 7:00:00 AM	26.7	11	13	30	27.5	23.1%
10/27/2019 8:00:00 AM	27.5	26	31	35	28.1	29.0%
10/27/2019 9:00:00 AM	28.0	24	28	35	28.9	25.0%
10/27/2019 10:00:00 AM	26.8	55	65	40	28.2	23.1%

10/27/2019 11:00:00 AM	27.6	94	110	35	28.6	24.5%
10/27/2019 12:00:00 PM	27.6	85	100	35	28.2	27.0%
10/27/2019 1:00:00 PM	27.4	136	160	35	28.0	26.9%
10/27/2019 2:00:00 PM	27.1	112	132	35	28.1	24.2%
10/27/2019 3:00:00 PM	28.2	126	148	40	28.5	31.1%
10/27/2019 4:00:00 PM	27.7	113	133	40	28.3	27.8%
10/27/2019 5:00:00 PM	27.3	104	122	35	28.0	25.4%
10/27/2019 6:00:00 PM	27.6	124	146	35	27.7	29.5%
10/27/2019 7:00:00 PM	28.4	98	115	40	28.5	33.9%
10/27/2019 8:00:00 PM	25.9	87	102	35	27.8	17.6%
10/27/2019 9:00:00 PM	28.0	54	64	35	27.7	37.5%
10/27/2019 10:00:00 PM	27.0	39	46	35	28.0	23.9%
10/27/2019 11:00:00 PM	28.1	26	31	40	29.0	32.3%
10/28/2019 12:00:00 AM	28.6	18	21	35	28.1	38.1%
10/28/2019 1:00:00 AM	28.3	6	7	30	27.5	42.9%
10/28/2019 2:00:00 AM	27.5	3	4	30	27.5	50.0%
10/28/2019 3:00:00 AM	24.0	5	6	25	NaN	0.0%
10/28/2019 4:00:00 AM	28.8	6	7	30	27.5	57.1%
10/28/2019 5:00:00 AM	27.5	7	8	30	27.5	25.0%
10/28/2019 6:00:00 AM	28.1	24	28	35	28.1	32.1%
10/28/2019 7:00:00 AM	26.7	60	71	35	27.8	22.5%
10/28/2019 8:00:00 AM	26.5	140	165	35	28.1	20.6%
10/28/2019 9:00:00 AM	25.7	157	185	35	28.0	17.3%
10/28/2019 10:00:00 AM	27.3	105	123	35	28.2	24.4%
10/28/2019 11:00:00 AM	26.1	83	98	40	29.2	18.4%
10/28/2019 12:00:00 PM	28.0	105	123	35	28.2	30.9%
10/28/2019 1:00:00 PM	28.6	126	148	40	29.0	31.8%
10/28/2019 2:00:00 PM	28.4	94	110	35	28.3	33.6%
10/28/2019 3:00:00 PM	27.1	129	152	40	28.6	23.0%
10/28/2019 4:00:00 PM	28.6	146	172	40	28.5	36.6%
10/28/2019 5:00:00 PM	28.1	143	168	40	28.6	30.4%
10/28/2019 6:00:00 PM	28.5	143	168	35	28.6	32.1%
10/28/2019 7:00:00 PM	27.9	139	163	35	28.5	27.0%
10/28/2019 8:00:00 PM	27.0	107	126	35	27.7	24.6%

10/28/2019 9:00:00 PM	27.4	76	90	35	27.9	27.8%
10/28/2019 10:00:00 PM	26.5	48	56	35	28.0	19.6%
10/28/2019 11:00:00 PM	31.4	31	36	35	30.2	36.1%
10/29/2019 12:00:00 AM	28.5	22	26	35	28.0	42.3%
10/29/2019 1:00:00 AM	30.0	8	9	35	29.2	33.3%
10/29/2019 2:00:00 AM	30.0	8	9	35	28.3	66.7%
10/29/2019 3:00:00 AM	32.5	8	9	35	29.5	55.6%
10/29/2019 4:00:00 AM	30.0	7	8	35	29.2	37.5%
10/29/2019 5:00:00 AM	30.0	4	5	35	28.8	80.0%
10/29/2019 6:00:00 AM	27.3	33	39	30	27.5	28.2%
10/29/2019 7:00:00 AM	27.7	74	87	35	28.9	24.1%
10/29/2019 8:00:00 AM	27.2	138	162	40	28.6	22.8%
10/29/2019 9:00:00 AM	25.4	151	178	35	28.0	16.3%
10/29/2019 10:00:00 AM	27.5	88	103	35	28.3	25.2%
10/29/2019 11:00:00 AM	28.3	77	91	35	28.8	30.8%
10/29/2019 12:00:00 PM	26.7	112	132	35	28.0	22.0%
10/29/2019 1:00:00 PM	27.9	105	123	40	28.2	30.9%
10/29/2019 2:00:00 PM	27.9	110	129	35	28.1	30.2%
10/29/2019 3:00:00 PM	27.4	145	171	70	29.1	25.1%
10/29/2019 4:00:00 PM	27.4	129	152	35	28.3	25.7%
10/29/2019 5:00:00 PM	27.1	148	174	35	28.0	24.1%
10/29/2019 6:00:00 PM	27.8	141	166	35	28.5	27.7%
10/29/2019 7:00:00 PM	27.6	104	122	40	28.6	25.4%
10/29/2019 8:00:00 PM	27.7	88	103	35	27.7	30.1%
10/29/2019 9:00:00 PM	25.0	43	51	30	27.5	15.7%
10/29/2019 10:00:00 PM	28.8	37	43	35	28.4	37.2%
10/29/2019 11:00:00 PM	28.3	29	34	35	27.9	38.2%
10/30/2019 12:00:00 AM	28.0	17	20	35	28.3	30.0%
10/30/2019 1:00:00 AM	27.5	8	10	35	29.2	30.0%
10/30/2019 2:00:00 AM	25.0	10	12	35	30.0	16.7%
10/30/2019 3:00:00 AM	27.5	5	6	30	27.5	33.3%
10/30/2019 4:00:00 AM	35.0	6	7	55	37.5	42.9%
10/30/2019 5:00:00 AM	25.0	8	10	35	32.5	20.0%
10/30/2019 6:00:00 AM	26.7	22	26	35	29.5	19.2%

10/30/2019 7:00:00 AM	27.2	74	87	35	28.2	24.1%
10/30/2019 8:00:00 AM	27.7	132	155	35	27.8	30.3%
10/30/2019 9:00:00 AM	25.5	173	204	35	27.9	16.7%
10/30/2019 10:00:00 AM	26.1	84	99	35	27.8	19.2%
10/30/2019 11:00:00 AM	27.3	79	93	35	27.9	25.8%
10/30/2019 12:00:00 PM	27.5	114	134	35	28.1	26.9%
10/30/2019 1:00:00 PM	25.5	126	148	40	28.3	16.2%
10/30/2019 2:00:00 PM	27.1	111	131	35	27.8	25.2%
10/30/2019 3:00:00 PM	26.6	131	154	40	27.8	21.4%
10/30/2019 4:00:00 PM	25.9	128	151	35	28.4	17.9%
10/30/2019 5:00:00 PM	26.6	128	150	35	27.7	21.3%
10/30/2019 6:00:00 PM	27.4	141	166	45	28.0	27.7%
10/30/2019 7:00:00 PM	26.9	118	139	35	28.5	21.6%
10/30/2019 8:00:00 PM	27.0	88	103	30	27.5	24.3%
10/30/2019 9:00:00 PM	26.1	49	58	35	28.4	19.0%
10/30/2019 10:00:00 PM	28.3	30	35	35	29.2	25.7%
10/30/2019 11:00:00 PM	25.0	21	25	30	27.5	16.0%
10/31/2019 12:00:00 AM	28.8	29	34	35	28.2	41.2%
10/31/2019 1:00:00 AM	24.0	5	6	25	NaN	0.0%
10/31/2019 2:00:00 AM	28.8	5	6	30	27.5	66.7%
10/31/2019 3:00:00 AM	30.0	4	5	35	30.0	40.0%
10/31/2019 4:00:00 AM	45.0	3	3	45	37.5	66.7%
10/31/2019 5:00:00 AM	35.0	5	6	50	33.8	66.7%
10/31/2019 6:00:00 AM	26.3	21	25	40	29.5	20.0%
10/31/2019 7:00:00 AM	30.0	3	3	30	27.5	33.3%

**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>
10/24/2019 12:00:00 AM	27.8	1870	2200	45	28.5	28.3%
10/25/2019 12:00:00 AM	27.8	1891	2225	45	28.4	28.7%
10/26/2019 12:00:00 AM	27.2	1968	2315	50	28.2	24.1%
10/27/2019 12:00:00 AM	27.3	1353	1592	45	28.3	24.6%

10/28/2019 12:00:00 AM	27.6	1378	1621	50	28.4	27.5%
10/29/2019 12:00:00 AM	27.7	1904	2240	40	28.4	27.2%
10/30/2019 12:00:00 AM	27.5	1802	2120	70	28.3	26.1%
10/31/2019 12:00:00 AM	26.9	1816	2137	55	28.1	22.7%
10/31/2019 6:15:00 AM	29.2	46	54	50	30.8	33.3%