

# TRAFFIC ANALYSIS REPORT

For Project: Speed Trailer  
Location/Name: 748 PRAIRIE RD S/B TRAFFIC  
Report Generated: 8/15/2018 6:42:01 AM  
Speed Intervals = 5 mph  
Time Intervals = 5 minutes

Traffic Report From 8/8/2018 6:40:00 AM through 8/15/2018 6:10:00 AM

85th Percentile Speed = 29.2 mph  
85th Percentile Vehicles = 2,213 counts  
Max Speed = 45.0 mph on 8/10/2018 8:10:00 PM  
Total Vehicles = 2,603 counts  
AADT: 373.0

## Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		347	344
AM peak	10:00 to 11:00	13	13
PM peak	5:00 to 6:00	48	41

## Speed

Speed limit: 25 mph  
85th Percentile Speed: 29.2 mph  
Average Speed: 24.3 mph

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Count over limit	194	175	183	192	180	169	124
% over limit	50.9	49.4	47.3	48.7	43.4	43.4	43.8
Avg speeder	28.5	28.4	28.5	28.5	28.6	28.6	28.8

### 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>
8/8/2018 7:00:00 AM	30.0	2	2	30	27.5	100.0%
8/8/2018 8:00:00 AM	28.0	13	15	30	27.5	33.3%
8/8/2018 9:00:00 AM	27.5	7	8	30	27.5	25.0%
8/8/2018 10:00:00 AM	30.0	8	10	35	29.2	60.0%
8/8/2018 11:00:00 AM	31.7	11	13	35	29.0	76.9%
8/8/2018 12:00:00 PM	30.0	10	12	40	30.0	50.0%
8/8/2018 1:00:00 PM	29.2	15	18	35	28.8	44.4%
8/8/2018 2:00:00 PM	25.0	10	12	30	27.5	16.7%
8/8/2018 3:00:00 PM	29.6	23	27	35	28.5	55.6%
8/8/2018 4:00:00 PM	29.2	23	27	35	28.2	55.6%
8/8/2018 5:00:00 PM	29.8	37	43	35	28.5	58.1%
8/8/2018 6:00:00 PM	29.4	46	54	35	28.4	53.7%
8/8/2018 7:00:00 PM	28.8	31	37	35	28.0	51.4%
8/8/2018 8:00:00 PM	28.6	33	39	40	28.9	35.9%
8/8/2018 9:00:00 PM	28.0	17	20	40	29.2	30.0%
8/8/2018 10:00:00 PM	27.5	21	25	35	28.2	28.0%
8/8/2018 11:00:00 PM	30.0	9	11	40	30.5	45.5%
8/9/2018 12:00:00 AM	28.8	5	6	30	27.5	66.7%
8/9/2018 1:00:00 AM	32.5	4	5	35	30.8	60.0%
8/9/2018 2:00:00 AM	35.0	2	2	35	30.0	100.0%
8/9/2018 3:00:00 AM	0.0	0	0	0	NaN	NaN
8/9/2018 4:00:00 AM	0.0	0	0	0	NaN	NaN
8/9/2018 5:00:00 AM	0.0	0	0	0	NaN	NaN
8/9/2018 6:00:00 AM	27.5	3	4	30	27.5	50.0%
8/9/2018 7:00:00 AM	27.5	4	5	30	27.5	40.0%
8/9/2018 8:00:00 AM	28.3	5	6	30	27.5	50.0%
8/9/2018 9:00:00 AM	28.8	6	7	30	27.5	57.1%
8/9/2018 10:00:00 AM	30.0	5	6	35	28.8	66.7%
8/9/2018 11:00:00 AM	28.3	8	10	30	27.5	60.0%
8/9/2018 12:00:00 PM	31.7	8	10	35	31.3	40.0%
8/9/2018 1:00:00 PM	29.0	18	21	35	28.0	52.4%
8/9/2018 2:00:00 PM	30.0	13	15	35	28.6	60.0%

8/9/2018 3:00:00 PM	28.5	20	24	35	28.0	45.8%
8/9/2018 4:00:00 PM	29.7	30	35	35	28.4	62.9%
8/9/2018 5:00:00 PM	29.6	39	46	35	28.3	65.2%
8/9/2018 6:00:00 PM	30.6	41	48	35	29.5	41.7%
8/9/2018 7:00:00 PM	29.0	37	43	35	28.3	41.9%
8/9/2018 8:00:00 PM	27.9	27	32	30	27.5	37.5%
8/9/2018 9:00:00 PM	28.3	26	31	40	28.3	41.9%
8/9/2018 10:00:00 PM	28.3	26	30	35	28.8	26.7%
8/9/2018 11:00:00 PM	32.5	7	8	35	30.0	50.0%
8/10/2018 12:00:00 AM	28.3	4	5	30	27.5	60.0%
8/10/2018 1:00:00 AM	25.0	3	4	30	27.5	25.0%
8/10/2018 2:00:00 AM	30.0	1	1	30	27.5	100.0%
8/10/2018 3:00:00 AM	0.0	0	0	0	NaN	NaN
8/10/2018 4:00:00 AM	0.0	0	0	0	NaN	NaN
8/10/2018 5:00:00 AM	20.0	1	1	20	NaN	0.0%
8/10/2018 6:00:00 AM	25.0	1	1	25	NaN	0.0%
8/10/2018 7:00:00 AM	30.0	5	6	35	30.0	33.3%
8/10/2018 8:00:00 AM	28.3	8	10	30	27.5	60.0%
8/10/2018 9:00:00 AM	25.0	9	11	35	30.0	18.2%
8/10/2018 10:00:00 AM	29.4	18	21	35	28.4	52.4%
8/10/2018 11:00:00 AM	27.5	19	22	30	27.5	27.3%
8/10/2018 12:00:00 PM	27.9	16	19	30	27.5	36.8%
8/10/2018 1:00:00 PM	30.0	14	17	35	29.4	47.1%
8/10/2018 2:00:00 PM	28.8	20	23	35	28.1	39.1%
8/10/2018 3:00:00 PM	29.2	21	25	40	28.5	60.0%
8/10/2018 4:00:00 PM	29.2	23	27	35	28.2	51.9%
8/10/2018 5:00:00 PM	29.2	37	44	40	28.6	50.0%
8/10/2018 6:00:00 PM	28.8	43	51	35	28.1	47.1%
8/10/2018 7:00:00 PM	29.2	31	36	35	28.5	41.7%
8/10/2018 8:00:00 PM	28.6	26	30	35	27.9	40.0%
8/10/2018 9:00:00 PM	32.5	24	28	45	31.7	42.9%
8/10/2018 10:00:00 PM	27.0	18	21	30	27.5	23.8%
8/10/2018 11:00:00 PM	30.0	9	11	40	30.0	54.5%
8/11/2018 12:00:00 AM	28.3	7	8	30	27.5	37.5%

8/11/2018 1:00:00 AM	30.0	3	3	30	27.5	33.3%
8/11/2018 2:00:00 AM	30.0	8	9	35	28.8	44.4%
8/11/2018 3:00:00 AM	30.0	4	5	35	30.0	40.0%
8/11/2018 4:00:00 AM	30.0	1	1	30	27.5	100.0%
8/11/2018 5:00:00 AM	25.0	1	1	25	NaN	0.0%
8/11/2018 6:00:00 AM	25.0	2	2	25	NaN	0.0%
8/11/2018 7:00:00 AM	30.0	2	2	30	27.5	100.0%
8/11/2018 8:00:00 AM	30.0	3	3	30	27.5	33.3%
8/11/2018 9:00:00 AM	25.0	9	11	30	27.5	18.2%
8/11/2018 10:00:00 AM	28.0	23	27	35	28.9	25.9%
8/11/2018 11:00:00 AM	28.0	12	14	30	27.5	35.7%
8/11/2018 12:00:00 PM	29.5	20	23	35	28.3	56.5%
8/11/2018 1:00:00 PM	30.0	15	18	35	29.2	50.0%
8/11/2018 2:00:00 PM	31.3	14	17	35	29.5	58.8%
8/11/2018 3:00:00 PM	29.5	20	23	35	28.3	52.2%
8/11/2018 4:00:00 PM	29.2	33	39	35	28.7	43.6%
8/11/2018 5:00:00 PM	28.5	26	31	35	28.3	38.7%
8/11/2018 6:00:00 PM	29.4	17	20	35	28.5	50.0%
8/11/2018 7:00:00 PM	28.9	37	43	40	28.5	46.5%
8/11/2018 8:00:00 PM	29.5	21	25	35	28.6	56.0%
8/11/2018 9:00:00 PM	28.8	17	20	35	28.1	45.0%
8/11/2018 10:00:00 PM	28.3	21	25	35	28.8	32.0%
8/11/2018 11:00:00 PM	31.7	15	18	40	32.5	27.8%
8/12/2018 12:00:00 AM	28.8	6	7	30	27.5	57.1%
8/12/2018 1:00:00 AM	25.0	2	2	25	NaN	0.0%
8/12/2018 2:00:00 AM	27.5	4	5	30	27.5	40.0%
8/12/2018 3:00:00 AM	30.0	5	6	35	29.2	50.0%
8/12/2018 4:00:00 AM	40.0	1	1	40	37.5	100.0%
8/12/2018 5:00:00 AM	25.0	1	1	25	NaN	0.0%
8/12/2018 6:00:00 AM	35.0	3	3	35	30.0	66.7%
8/12/2018 7:00:00 AM	0.0	0	0	0	NaN	NaN
8/12/2018 8:00:00 AM	30.0	2	2	30	27.5	100.0%
8/12/2018 9:00:00 AM	30.0	3	3	30	27.5	33.3%
8/12/2018 10:00:00 AM	25.0	5	6	30	27.5	16.7%

8/12/2018 11:00:00 AM	29.0	9	11	35	28.3	54.5%
8/12/2018 12:00:00 PM	29.2	12	14	35	28.2	50.0%
8/12/2018 1:00:00 PM	27.5	20	23	30	27.5	26.1%
8/12/2018 2:00:00 PM	30.0	24	28	35	29.0	46.4%
8/12/2018 3:00:00 PM	32.0	22	26	40	29.8	57.7%
8/12/2018 4:00:00 PM	30.0	12	14	35	28.8	57.1%
8/12/2018 5:00:00 PM	29.2	17	20	35	28.8	40.0%
8/12/2018 6:00:00 PM	27.8	21	25	30	27.5	36.0%
8/12/2018 7:00:00 PM	29.2	16	19	35	28.8	42.1%
8/12/2018 8:00:00 PM	29.3	22	26	35	29.0	38.5%
8/12/2018 9:00:00 PM	27.0	15	18	30	27.5	27.8%
8/12/2018 10:00:00 PM	29.4	14	17	35	28.5	58.8%
8/12/2018 11:00:00 PM	30.0	6	7	35	29.2	42.9%
8/13/2018 12:00:00 AM	32.5	5	6	35	30.0	66.7%
8/13/2018 1:00:00 AM	30.0	4	5	35	28.8	80.0%
8/13/2018 2:00:00 AM	30.0	2	2	30	27.5	50.0%
8/13/2018 3:00:00 AM	0.0	0	0	0	NaN	NaN
8/13/2018 4:00:00 AM	30.0	1	1	30	27.5	100.0%
8/13/2018 5:00:00 AM	30.0	1	1	30	27.5	100.0%
8/13/2018 6:00:00 AM	20.0	3	4	30	27.5	25.0%
8/13/2018 7:00:00 AM	27.5	5	6	30	27.5	33.3%
8/13/2018 8:00:00 AM	30.0	12	14	35	29.2	42.9%
8/13/2018 9:00:00 AM	30.0	6	7	35	28.5	71.4%
8/13/2018 10:00:00 AM	28.3	8	10	30	27.5	60.0%
8/13/2018 11:00:00 AM	31.7	12	14	35	29.0	71.4%
8/13/2018 12:00:00 PM	33.3	11	13	40	31.1	53.8%
8/13/2018 1:00:00 PM	27.5	14	17	30	27.5	35.3%
8/13/2018 2:00:00 PM	31.7	11	13	35	28.8	92.3%
8/13/2018 3:00:00 PM	29.0	9	11	35	28.3	54.5%
8/13/2018 4:00:00 PM	28.6	17	20	30	27.5	55.0%
8/13/2018 5:00:00 PM	28.2	36	42	35	27.8	35.7%
8/13/2018 6:00:00 PM	29.5	47	55	35	28.7	47.3%
8/13/2018 7:00:00 PM	28.8	37	43	30	27.5	58.1%
8/13/2018 8:00:00 PM	29.7	35	41	35	28.6	56.1%

8/13/2018 9:00:00 PM	28.5	28	33	35	28.3	36.4%
8/13/2018 10:00:00 PM	32.5	13	15	40	31.5	33.3%
8/13/2018 11:00:00 PM	30.0	3	4	35	30.0	50.0%
8/14/2018 12:00:00 AM	31.7	8	10	35	29.6	70.0%
8/14/2018 1:00:00 AM	27.5	5	6	30	27.5	33.3%
8/14/2018 2:00:00 AM	30.0	2	2	30	27.5	50.0%
8/14/2018 3:00:00 AM	0.0	0	0	0	NaN	NaN
8/14/2018 4:00:00 AM	30.0	1	1	30	27.5	100.0%
8/14/2018 5:00:00 AM	20.0	1	1	20	NaN	0.0%
8/14/2018 6:00:00 AM	20.0	1	1	20	NaN	0.0%
8/14/2018 7:00:00 AM	30.0	3	3	30	27.5	66.7%
8/14/2018 8:00:00 AM	27.5	5	6	30	27.5	33.3%
8/14/2018 9:00:00 AM	30.0	8	10	35	29.5	50.0%
8/14/2018 10:00:00 AM	30.0	10	12	35	28.9	58.3%
8/14/2018 11:00:00 AM	28.8	5	6	30	27.5	66.7%
8/14/2018 12:00:00 PM	35.0	8	9	40	30.0	66.7%
8/14/2018 1:00:00 PM	30.0	8	10	35	29.5	50.0%
8/14/2018 2:00:00 PM	30.0	12	14	35	28.4	78.6%
8/14/2018 3:00:00 PM	30.0	18	21	35	28.9	52.4%
8/14/2018 4:00:00 PM	29.0	20	23	35	28.0	47.8%
8/14/2018 5:00:00 PM	28.5	31	37	35	27.8	48.6%
8/14/2018 6:00:00 PM	29.5	38	45	35	28.4	60.0%
8/14/2018 7:00:00 PM	28.9	31	36	40	28.0	52.8%
8/14/2018 8:00:00 PM	27.5	22	26	30	27.5	30.8%
8/14/2018 9:00:00 PM	28.8	27	32	35	28.2	43.8%
8/14/2018 10:00:00 PM	28.2	29	34	35	27.9	35.3%
8/14/2018 11:00:00 PM	32.5	10	12	40	30.4	58.3%
8/15/2018 12:00:00 AM	27.5	6	7	30	27.5	28.6%
8/15/2018 1:00:00 AM	30.0	3	3	30	27.5	33.3%
8/15/2018 2:00:00 AM	30.0	3	3	30	27.5	33.3%
8/15/2018 3:00:00 AM	0.0	0	0	0	NaN	NaN
8/15/2018 4:00:00 AM	30.0	1	1	30	27.5	100.0%
8/15/2018 5:00:00 AM	30.0	1	1	30	27.5	100.0%
8/15/2018 6:00:00 AM	20.0	1	1	20	NaN	0.0%

8/15/2018 7:00:00 AM 0.0 0 0 0 NaN NaN

**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>
8/9/2018 12:00:00 AM	29.2	322	379	40	28.5	47.5%
8/10/2018 12:00:00 AM	29.3	334	393	40	28.5	48.6%
8/11/2018 12:00:00 AM	28.9	354	417	45	28.5	43.4%
8/12/2018 12:00:00 AM	29.1	329	387	40	28.6	43.4%
8/13/2018 12:00:00 AM	29.3	241	283	40	28.8	43.8%
8/14/2018 12:00:00 AM	29.3	324	381	40	28.5	50.9%
8/15/2018 12:00:00 AM	29.1	301	354	40	28.4	49.4%
8/15/2018 6:10:00 AM	28.8	8	9	30	27.5	44.4%