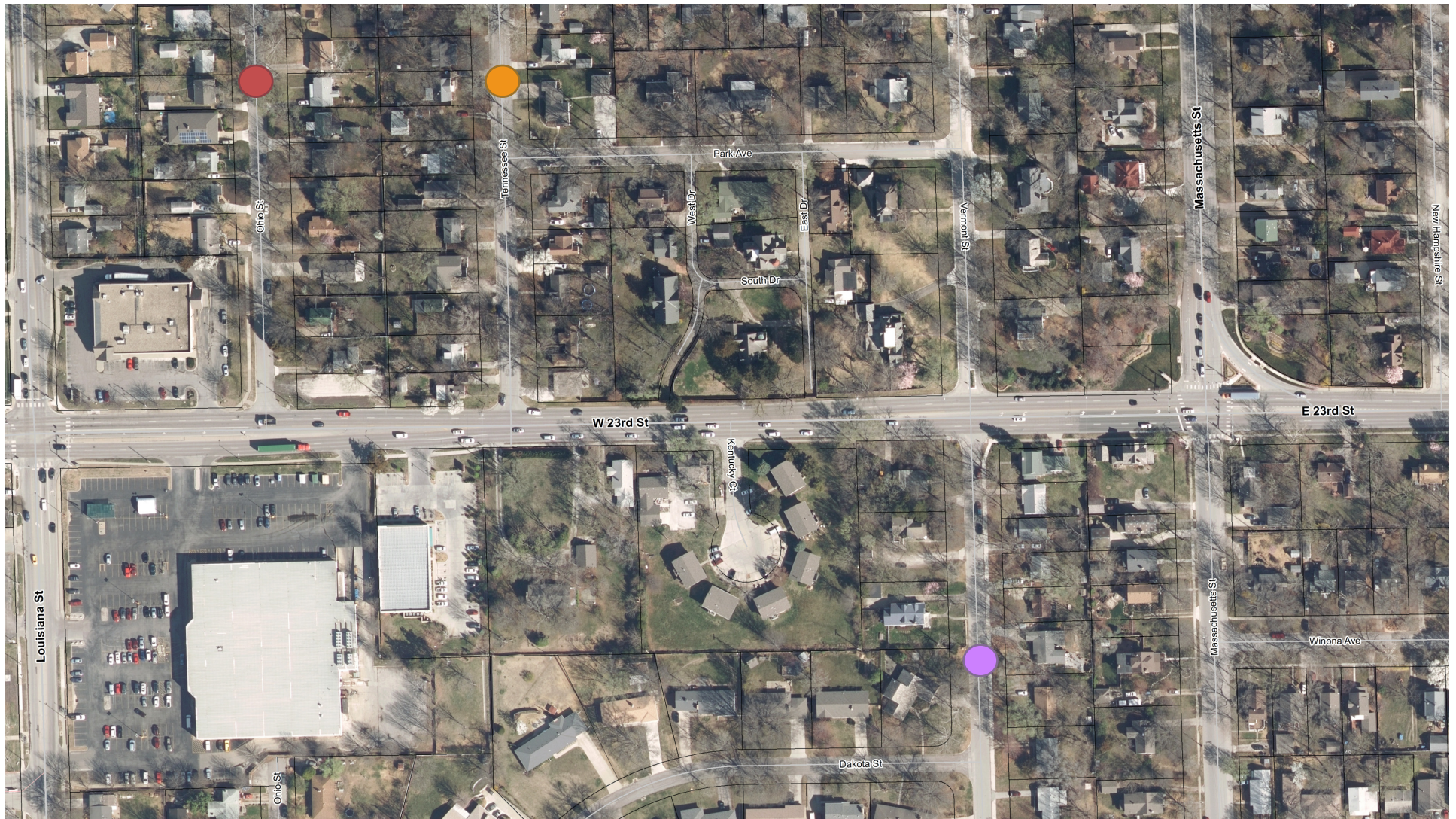


Traffic Data_Ohio Street / Tennessee Street / Vermont Street



OHIO STREET

Speed Limit = 20 mph
85th Percentile Speed = 26 mph
ADT = 204 vehicles



TENNESSEE STREET

Speed Limit = 30 mph
85th Percentile Speed = 29 mph
ADT = 1772 vehicles



VERMONT STREET

85th Percentile Speed = 30 mph
85th Percentile Speed = 29 mph
ADT = 496 vehicles

JAMAR TECHNOLOGIES, INC
TRAX APOLLYON SERIES
LOCATION: OHIO ST
CITY: LAWRENCE, KS

A study of vehicle traffic was conducted using an Apollyon counter (Serial # 26888). The study was conducted for northbound/southbound traffic in the 2200 block of Ohio Street in Lawrence, KS (Douglas Co.). The study began on 2/27/2018 at 12:00 PM [00:00] and concluded on 3/1/2108 at 12:00 PM [00:00], lasting a total of 72 hours. The total recorded volume showed 613 vehicles at this location with a peak volume of 27 vehicles on 2/27/2018 [15:00-16:00] and a minimum volume of 0 vehicles on 3/1/2018 [23:00-00:00]. The ADT for this study was 204 vehicles.

SPEED

Table 1 summarizes the values of the summarizes the total traffic volumes for the respective speed bin. As least half of the vehicles were travelling in the 21 – 25 MPH range or lower. The mean speed (average) was 19 MPH and the 85th Percentile speed was 26 MPH with 50.4% vehicles exceeding the speed limit of 20 MPH. The 10-MPH space speed was 16-25 MPH with 50.9% of vehicles within the pace.

1 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+
191	113	199	84	24	0	2	0	0	0

303 South Topeka Street
Wichita, Kansas 67202

Ohio - N of 23rd

Latitude: 38' 56.6555 North
Longitude: 95' 14.4435 West

[illegible]

Professional Engineering Consultants, P.A.

303 South Topeka Street
Wichita, Kansas 67202

Page 2

Ohio - N of 23rd

Latitude: 38° 56.6555 North
Longitude: 95° 14.4435 West

SB, NB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
02/28/18	0	1	3	0	0	0	0	0	0	0	0	0	0	0	4
01:00	0	2	2	1	0	0	0	0	0	0	0	0	0	0	5
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
07:00	4	0	7	3	0	0	0	0	0	0	0	0	0	0	14
08:00	9	2	6	2	2	0	0	0	0	0	0	0	0	0	21
09:00	6	1	1	0	0	0	0	0	0	0	0	0	0	0	8
10:00	3	1	2	0	1	0	0	0	0	0	0	0	0	0	7
11:00	12	0	2	1	0	0	0	0	0	0	0	0	0	0	15
12 PM	5	5	4	2	0	0	0	0	0	0	0	0	0	0	16
13:00	2	3	3	2	1	0	0	0	0	0	0	0	0	0	11
14:00	7	5	4	1	0	0	1	0	0	0	0	0	0	0	18
15:00	1	3	5	1	0	0	0	0	0	0	0	0	0	0	10
16:00	6	5	7	1	0	0	0	0	0	0	0	0	0	0	19
17:00	5	2	5	1	1	0	0	0	0	0	0	0	0	0	14
18:00	1	2	5	0	2	0	0	0	0	0	0	0	0	0	10
19:00	1	5	5	2	0	0	0	0	0	0	0	0	0	0	13
20:00	4	2	4	0	0	0	0	0	0	0	0	0	0	0	10
21:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
22:00	0	0	5	1	0	0	0	0	0	0	0	0	0	0	6
23:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
Total	68	41	75	18	7	0	1	0	0	0	0	0	0	0	210

Professional Engineering Consultants, P.A.

303 South Topeka Street
Wichita, Kansas 67202

Ohio - N of 23rd

Latitude: 38° 56.6555 North
Longitude: 95° 14.4435 West

SB, NB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
03/01/18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	2	0	1	1	0	0	0	0	0	0	0	0	0	0	4
07:00	4	1	2	3	3	0	0	0	0	0	0	0	0	0	13
08:00	3	1	5	5	0	0	0	0	0	0	0	0	0	0	14
09:00	2	1	1	0	1	0	0	0	0	0	0	0	0	0	5
10:00	5	0	2	1	0	0	0	0	0	0	0	0	0	0	8
11:00	5	4	3	2	0	0	0	0	0	0	0	0	0	0	14
12 PM	3	2	4	5	0	0	0	0	0	0	0	0	0	0	14
13:00	1	3	3	0	0	0	0	0	0	0	0	0	0	0	7
14:00	2	1	3	2	1	0	0	0	0	0	0	0	0	0	9
15:00	1	2	7	4	0	0	0	0	0	0	0	0	0	0	14
16:00	4	3	4	6	0	0	0	0	0	0	0	0	0	0	17
17:00	7	2	12	3	2	0	0	0	0	0	0	0	0	0	26
18:00	4	2	7	1	1	0	0	0	0	0	0	0	0	0	15
19:00	0	1	3	1	0	0	1	0	0	0	0	0	0	0	6
20:00	1	0	1	3	0	0	0	0	0	0	0	0	0	0	5
21:00	2	2	1	1	0	0	0	0	0	0	0	0	0	0	6
22:00	5	0	1	1	0	0	0	0	0	0	0	0	0	0	7
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	54	26	60	39	8	0	1	0	0	0	0	0	0	0	188
Grand Total	191	113	199	84	24	0	2	0	0	0	0	0	0	0	613

15th Percentile : 7 MPH
50th Percentile : 20 MPH
85th Percentile : 26 MPH
95th Percentile : 29 MPH

Statistics Mean Speed(Average) : 19 MPH
10 MPH Pace Speed : 16-25 MPH
Number in Pace : 312
Percent in Pace : 50.9%
Number of Vehicles > 55 MPH : 0
Percent of Vehicles > 55 MPH : 0.0%

JAMAR TECHNOLOGIES, INC
TRAX APOLLYON SERIES
LOCATION: TENNESSEE ST
CITY: LAWRENCE, KS

A study of vehicle traffic was conducted using an Apollyon counter (Serial # 26889). The study was conducted for northbound/southbound traffic in the 2200 block of Tennessee Street in Lawrence, KS (Douglas Co.). The study began on 2/27/2018 at 12:00 PM [00:00] and concluded on 3/1/2108 at 12:00 PM [00:00], lasting a total of 72 hours. The total recorded volume showed 5,316 vehicles at this location with a peak volume of 160 vehicles on 3/01/2018 [15:00-16:00] and a minimum volume of 5 vehicles on 3/1/2018 [04:00-05:00]. The ADT for this study was 1,772 vehicles.

SPEED

Table 1 summarizes the values of the summarizes the total traffic volumes for the respective speed bin. At least half of the vehicles were travelling in the 26 – 30 MPH range or lower. The mean speed (average) was 25 MPH and the 85th Percentile speed was 29 MPH with 15.0% vehicles exceeding the speed limit of 30 MPH. The 10-MPH space speed was 21-30 MPH with 72.2% of vehicles within the pace.

1 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+
495	189	1449	2388	695	89	6	4	1	0

Professional Engineering Consultants, P.A.

303 South Topeka Street
Wichita, Kansas 67202

Page 1

Tennessee - N of 23rd

Latitude: 38° 56.6285 North
Longitude: 95° 14.3728 West

SB, NB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
02/27/18	8	0	5	11	2	0	0	0	0	0	0	0	0	0	26
01:00	3	0	5	2	0	0	0	0	0	0	0	0	0	0	10
02:00	1	0	3	5	3	0	0	0	0	0	0	0	0	0	12
03:00	3	0	1	2	1	0	0	0	0	0	0	0	0	0	7
04:00	1	0	1	1	2	0	0	0	0	0	0	0	0	0	5
05:00	4	0	0	8	3	0	0	0	0	0	0	0	0	0	15
06:00	8	2	8	19	8	1	0	0	0	0	0	0	0	0	46
07:00	8	7	18	26	10	1	0	0	0	0	0	0	0	0	70
08:00	3	1	19	48	8	2	0	0	0	0	0	0	0	0	81
09:00	0	0	21	47	11	3	1	0	0	0	0	0	0	0	83
10:00	4	3	16	46	15	3	1	0	0	0	0	0	0	0	88
11:00	7	5	18	62	23	2	0	0	0	0	0	0	0	0	117
12 PM	1	3	18	68	27	3	0	0	0	0	0	0	0	0	120
13:00	0	5	24	52	26	4	0	0	0	0	0	0	0	0	111
14:00	4	2	30	58	22	5	0	0	0	0	0	0	0	0	121
15:00	4	2	28	62	26	2	1	0	0	0	0	0	0	0	125
16:00	5	7	46	66	8	3	1	0	0	0	0	0	0	0	136
17:00	6	19	70	40	3	1	0	0	0	0	0	0	0	0	139
18:00	6	5	30	41	15	2	0	0	0	0	0	0	0	0	99
19:00	0	3	32	46	7	1	0	0	0	0	0	0	0	0	89
20:00	1	2	21	42	18	1	0	0	0	0	0	0	0	0	85
21:00	1	4	13	26	7	2	0	0	0	0	0	0	0	0	53
22:00	1	3	8	20	7	0	0	0	0	0	0	0	0	0	39
23:00	0	0	7	12	5	0	0	0	0	0	0	0	0	0	24
Total	79	73	442	810	257	36	4	0	0	0	0	0	0	0	1701

Professional Engineering Consultants, P.A.

303 South Topeka Street
Wichita, Kansas 67202

Page 2

Tennessee - N of 23rd

Latitude: 38° 56.6285 North
Longitude: 95° 14.3728 West

SB, NB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
02/28/18	2	3	7	10	0	2	0	1	0	0	0	0	0	0	25
01:00	1	4	0	7	2	0	0	0	0	0	0	0	0	0	14
02:00	0	1	0	2	2	0	0	0	0	0	0	0	0	0	5
03:00	0	0	2	2	1	0	0	0	0	0	0	0	0	0	5
04:00	0	1	0	3	2	0	0	0	0	0	0	0	0	0	6
05:00	1	0	4	6	7	1	0	0	0	0	0	0	0	0	19
06:00	0	0	13	17	10	3	0	0	0	0	0	0	0	0	43
07:00	3	2	15	32	13	0	0	0	0	0	0	0	0	0	65
08:00	7	1	27	32	9	1	0	0	0	0	0	0	0	0	77
09:00	0	2	18	41	19	2	0	0	0	0	0	0	0	0	82
10:00	4	4	14	32	15	2	1	0	0	0	0	0	0	0	72
11:00	1	1	24	42	19	1	0	0	0	0	0	0	0	0	88
12 PM	9	4	38	61	21	2	0	1	0	0	0	0	0	0	136
13:00	6	5	31	61	15	1	0	0	0	0	0	0	0	0	119
14:00	6	8	41	52	22	1	1	0	0	0	0	0	0	0	131
15:00	3	9	40	63	19	0	0	0	0	0	0	0	0	0	134
16:00	2	4	52	53	12	1	0	0	0	0	0	0	0	0	124
17:00	4	8	58	51	8	2	0	0	0	0	0	0	0	0	131
18:00	4	6	48	40	12	1	0	0	0	0	0	0	0	0	111
19:00	5	4	26	45	6	3	0	0	0	0	0	0	0	0	89
20:00	2	1	20	51	8	4	0	0	0	0	0	0	0	0	86
21:00	8	2	26	38	8	1	0	0	0	0	0	0	0	0	83
22:00	1	0	16	27	6	1	0	0	0	0	0	0	0	0	51
23:00	2	0	15	21	4	1	0	0	0	0	0	0	0	0	43
Total	71	70	535	789	240	30	2	2	0	0	0	0	0	0	1739

Professional Engineering Consultants, P.A.

303 South Topeka Street
Wichita, Kansas 67202

Tennessee - N of 23rd

Latitude: 38° 56.6285 North
Longitude: 95° 14.3728 West

SB, NB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
03/01/18	1	0	1	9	1	0	0	0	0	0	0	0	0	0	12
01:00	5	0	1	7	4	1	0	0	0	0	0	0	0	0	18
02:00	4	0	2	6	0	0	0	0	0	0	0	0	0	0	12
03:00	4	0	1	0	1	0	0	0	0	0	0	0	0	0	6
04:00	4	0	0	1	0	0	0	0	0	0	0	0	0	0	5
05:00	14	0	2	2	0	0	0	0	0	0	0	0	0	0	18
06:00	47	2	0	1	0	0	0	0	0	0	0	0	0	0	50
07:00	60	0	2	6	2	1	0	0	0	0	0	0	0	0	71
08:00	25	1	7	22	4	0	0	0	0	0	0	0	0	0	59
09:00	3	4	28	44	12	3	0	0	0	0	0	0	0	0	94
10:00	2	0	28	32	9	1	0	1	0	0	0	0	0	0	73
11:00	2	2	17	65	21	0	0	0	0	0	0	0	0	0	107
12 PM	0	6	33	57	23	4	0	0	0	0	0	0	0	0	123
13:00	4	7	38	54	17	3	0	0	0	0	0	0	0	0	123
14:00	12	1	31	80	17	2	0	0	0	0	0	0	0	0	143
15:00	3	7	46	80	23	1	0	0	0	0	0	0	0	0	160
16:00	8	3	45	82	16	1	0	1	0	0	0	0	0	0	156
17:00	10	5	51	69	17	2	0	0	1	0	0	0	0	0	155
18:00	8	7	48	47	12	3	0	0	0	0	0	0	0	0	125
19:00	10	1	34	55	6	1	0	0	0	0	0	0	0	0	107
20:00	31	0	32	32	4	0	0	0	0	0	0	0	0	0	99
21:00	28	0	4	23	5	0	0	0	0	0	0	0	0	0	60
22:00	32	0	14	9	2	0	0	0	0	0	0	0	0	0	57
23:00	28	0	7	6	2	0	0	0	0	0	0	0	0	0	43
Total	345	46	472	789	198	23	0	2	1	0	0	0	0	0	1876
Grand Total	495	189	1449	2388	695	89	6	4	1	0	0	0	0	0	5316

15th Percentile : 20 MPH
50th Percentile : 26 MPH
85th Percentile : 29 MPH
95th Percentile : 33 MPH

Statistics
Mean Speed(Average) : 25 MPH
10 MPH Pace Speed : 21-30 MPH
Number in Pace : 3837
Percent in Pace : 72.2%
Number of Vehicles > 55 MPH : 0
Percent of Vehicles > 55 MPH : 0.0%

JAMAR TECHNOLOGIES, INC
TRAX APOLLYON SERIES
LOCATION: VERMONT ST
CITY: LAWRENCE, KS

A study of vehicle traffic was conducted using an Apollyon counter (Serial # 26892). The study was conducted for northbound/southbound traffic in the 2300 block of Vermont Street in Lawrence, KS (Douglas Co.). The study began on 2/27/2018 at 12:00 PM [00:00] and concluded on 3/1/2108 at 12:00 PM [00:00], lasting a total of 72 hours. The total recorded volume showed 1,488 vehicles at this location with a peak volume of 51 vehicles on 2/28/2018 [17:00-18:00] and a minimum volume of 0 vehicles on 3/1/2018 [04:00-05:00]. The ADT for this study was 496 vehicles.

SPEED

Table 1 summarizes the values of the summarizes the total traffic volumes for the respective speed bin. At least half of the vehicles were travelling in the 21 – 25 MPH range or lower. The mean speed (average) was 25 MPH and the 85th Percentile speed was 29 MPH with 13.0% vehicles exceeding the speed limit of 30 MPH. The 10-MPH space speed was 21-30 MPH with 69.2% of vehicles within the pace.

1 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+
67	198	503	526	166	25	3	0	0	0

Professional Engineering Consultants, P.A.

303 South Topeka Street
Wichita, Kansas 67202

Page 1

Vermont - S of 23rd

Latitude: 38° 56.5099 North
Longitude: 95° 14.2309 West

SB, NB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
02/27/18	2	0	0	2	0	0	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	1	0	1	1	0	0	0	0	0	0	0	0	0	0	3
05:00	0	0	1	3	1	1	0	0	0	0	0	0	0	0	6
06:00	0	2	5	4	1	0	0	0	0	0	0	0	0	0	12
07:00	2	8	13	16	2	1	0	0	0	0	0	0	0	0	42
08:00	1	2	7	11	4	1	0	0	0	0	0	0	0	0	26
09:00	1	2	4	13	3	2	0	0	0	0	0	0	0	0	25
10:00	3	5	7	10	2	0	0	0	0	0	0	0	0	0	27
11:00	2	5	13	8	5	1	0	0	0	0	0	0	0	0	34
12 PM	3	3	11	13	8	0	1	0	0	0	0	0	0	0	39
13:00	0	6	9	12	6	1	0	0	0	0	0	0	0	0	34
14:00	0	1	6	8	5	1	0	0	0	0	0	0	0	0	21
15:00	2	3	13	13	0	0	0	0	0	0	0	0	0	0	31
16:00	0	2	19	14	1	0	0	0	0	0	0	0	0	0	36
17:00	1	4	9	17	3	0	0	0	0	0	0	0	0	0	34
18:00	0	2	14	8	6	1	0	0	0	0	0	0	0	0	31
19:00	2	4	9	8	4	0	0	0	0	0	0	0	0	0	27
20:00	0	2	11	2	1	0	0	0	0	0	0	0	0	0	16
21:00	0	4	7	9	1	0	0	0	0	0	0	0	0	0	21
22:00	1	4	4	2	1	0	0	0	0	0	0	0	0	0	12
23:00	1	1	0	4	1	0	0	0	0	0	0	0	0	0	7
Total	23	61	163	178	55	9	1	0	0	0	0	0	0	0	490

303 South Topeka Street
Wichita, Kansas 67202

Vermont - S of 23rd

Latitude: 38' 56.5099 North
Longitude: 95' 14.2309 West

SB, NB[illegible]

Professional Engineering Consultants, P.A.

303 South Topeka Street
Wichita, Kansas 67202

Vermont - S of 23rd

Latitude: 38° 56.5099 North
Longitude: 95° 14.2309 West

SB, NB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
03/01/18	1	1	1	0	1	0	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	1	3	0	0	0	0	0	0	0	0	0	0	0	5
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	2	1	2	0	0	0	0	0	0	0	0	0	5
06:00	0	2	2	6	1	0	0	0	0	0	0	0	0	0	11
07:00	1	6	11	10	2	0	1	0	0	0	0	0	0	0	31
08:00	1	4	10	12	3	5	1	0	0	0	0	0	0	0	36
09:00	1	2	11	10	6	1	0	0	0	0	0	0	0	0	31
10:00	4	3	4	10	7	1	0	0	0	0	0	0	0	0	29
11:00	0	3	14	9	5	0	0	0	0	0	0	0	0	0	31
12 PM	0	1	17	8	9	2	0	0	0	0	0	0	0	0	37
13:00	3	4	12	7	3	1	0	0	0	0	0	0	0	0	30
14:00	1	2	11	8	7	0	0	0	0	0	0	0	0	0	29
15:00	2	4	15	22	2	0	0	0	0	0	0	0	0	0	45
16:00	0	4	10	18	5	1	0	0	0	0	0	0	0	0	38
17:00	2	6	13	12	4	0	0	0	0	0	0	0	0	0	37
18:00	0	8	7	13	6	0	0	0	0	0	0	0	0	0	34
19:00	0	3	6	5	2	0	0	0	0	0	0	0	0	0	16
20:00	0	0	7	6	2	0	0	0	0	0	0	0	0	0	15
21:00	0	0	6	5	0	0	0	0	0	0	0	0	0	0	11
22:00	1	0	6	10	0	0	0	0	0	0	0	0	0	0	17
23:00	0	1	4	0	0	0	0	0	0	0	0	0	0	0	5
Total	18	55	172	172	67	11	2	0	0	0	0	0	0	0	497
Grand Total	67	198	503	526	166	25	3	0	0	0	0	0	0	0	1488

15th Percentile : 18 MPH
50th Percentile : 24 MPH
85th Percentile : 29 MPH
95th Percentile : 33 MPH

Statistics
Mean Speed(Average) : 25 MPH
10 MPH Pace Speed : 21-30 MPH
Number in Pace : 1029
Percent in Pace : 69.2%
Number of Vehicles > 55 MPH : 0
Percent of Vehicles > 55 MPH : 0.0%