

# CITY OF SEATTLE

## Department of Transportation

ON STREET : : RAINIER AVE S  
 LOCATED : : NW/O (NORTHBOUND)  
 CROSS STREET : : 42 AVE S

Site: 413  
 Tuesday, 4/22/2014 11:00 AM -  
 Tuesday, 4/29/2014 10:00 AM

### Speed Grand Totals

mph	Hourly Averages																
	Total	0 - < 15	15 - < 18	18 - < 21	21 - < 24	24 - < 27	27 - < 30	30 - < 33	33 - < 36	36 - < 39	39 - < 42	42 - < 45	45 - < 48	48 - < 51	51 - < 54	54 - < 57	57 - < 9999
12:00 AM	21.1	0.0	0.0	0.1	0.1	0.4	3.0	6.0	6.4	3.4	1.1	0.3	0.0	0.1	0.0	0.0	0.0
1:00 AM	15.9	0.0	0.0	0.0	0.1	0.4	2.1	4.6	4.4	2.4	1.0	0.7	0.0	0.0	0.0	0.0	0.0
2:00 AM	14.1	0.0	0.1	0.0	0.0	0.9	2.0	3.6	4.6	2.0	0.7	0.1	0.1	0.0	0.0	0.0	0.0
3:00 AM	20.1	0.0	0.0	0.1	0.6	1.0	2.4	5.4	5.4	4.3	0.6	0.3	0.0	0.0	0.0	0.0	0.0
4:00 AM	70.3	0.0	0.0	0.0	0.1	1.3	6.1	17.4	24.0	14.4	5.1	1.1	0.3	0.0	0.1	0.0	0.1
5:00 AM	182.3	0.0	0.0	0.0	0.4	2.0	10.1	34.3	59.9	46.7	21.1	5.9	1.3	0.3	0.1	0.0	0.1
6:00 AM	362.9	0.1	0.3	0.6	2.3	8.0	28.0	81.4	122.1	79.3	31.4	6.9	2.3	0.1	0.0	0.0	0.0
7:00 AM	382.0	0.3	0.1	0.7	1.4	7.0	35.6	93.7	124.3	79.6	28.4	8.0	2.3	0.6	0.0	0.0	0.0
8:00 AM	340.1	0.1	0.1	0.6	2.0	9.3	44.4	103.9	104.7	50.9	17.6	4.6	1.6	0.4	0.0	0.0	0.0
9:00 AM	308.6	0.1	0.6	0.0	3.1	10.4	40.9	103.3	89.7	45.1	12.0	2.1	0.7	0.3	0.1	0.0	0.0
10:00 AM	320.3	0.3	0.3	0.5	3.0	10.5	48.5	101.7	94.0	44.0	12.5	3.7	1.2	0.2	0.0	0.0	0.0
11:00 AM	330.0	0.6	0.1	1.1	4.6	15.0	50.7	111.1	92.1	38.0	12.9	2.6	0.9	0.1	0.1	0.0	0.0
12:00 PM	330.1	1.0	0.7	0.6	3.0	12.7	60.6	107.6	91.3	37.0	10.3	4.1	0.6	0.7	0.0	0.0	0.0
1:00 PM	363.1	0.3	0.9	1.3	3.9	17.0	60.9	123.9	95.4	43.0	12.7	2.0	1.6	0.1	0.1	0.0	0.1
2:00 PM	364.1	1.3	0.6	1.0	5.0	19.1	65.6	123.4	89.1	40.6	13.0	3.6	1.3	0.3	0.3	0.0	0.0
3:00 PM	386.4	1.0	0.7	1.7	4.0	19.3	62.3	128.3	102.7	47.0	13.6	3.6	1.4	0.6	0.0	0.0	0.3
4:00 PM	387.7	0.6	0.4	1.6	3.9	17.3	64.7	129.0	105.0	45.6	12.3	5.6	1.0	0.6	0.0	0.1	0.1
5:00 PM	332.0	1.0	0.6	2.1	5.9	21.7	55.4	108.9	86.7	34.0	11.1	2.9	1.3	0.3	0.0	0.1	0.0
6:00 PM	242.3	0.4	0.4	2.1	3.6	15.3	44.1	75.0	61.4	26.0	9.4	2.4	1.4	0.3	0.3	0.0	0.0
7:00 PM	194.6	0.4	0.3	0.4	2.3	11.4	39.1	61.4	51.9	19.9	5.1	1.9	0.3	0.1	0.0	0.0	0.0
8:00 PM	156.0	0.0	0.0	0.6	1.6	7.3	28.6	56.9	38.7	15.6	5.0	1.1	0.3	0.3	0.0	0.1	0.0
9:00 PM	109.1	0.1	0.3	0.1	0.3	5.0	18.9	33.0	31.0	12.6	5.0	1.0	1.1	0.4	0.0	0.1	0.1
10:00 PM	65.3	0.0	0.0	0.6	1.1	3.7	7.4	22.9	17.1	7.6	3.4	0.7	0.4	0.0	0.3	0.0	0.0
11:00 PM	38.3	0.0	0.1	0.0	1.1	3.0	5.6	10.3	9.0	6.1	1.6	0.4	0.4	0.3	0.0	0.0	0.3
Daily Average	5336.9	7.8	6.8	15.9	53.4	219.1	787.1	1646.8	1511.1	745.0	247.1	65.5	21.7	6.2	1.6	0.6	1.3

**Average (Mean)** 33.0 mph      **Minimum** 10.4 mph      **Maximum** 66.9 mph      **Pace Range** 28.0 - 38.0 mph      30217 vehicles (81.6 %)

**Percentile Speeds**  
 (mph)      10%      15%      50%      85%      90%  
 28.3      29.3      32.9      36.9      37.9

**Speeds Exceeded**  
25 mph      30 mph      35 mph      40 mph      45 mph      50 mph      55 mph  
 97.7 % (36198)      79.6 % (29471)      28.4 % (10517)      4.2 % (1564)      0.6 % (218)      0.1 % (32)      0.0 % (10)

### Study Grand Totals

	Total	0 - < 15	15 - < 18	18 - < 21	21 - < 24	24 - < 27	27 - < 30	30 - < 33	33 - < 36	36 - < 39	39 - < 42	42 - < 45	45 - < 48	48 - < 51	51 - < 54	54 - < 57	57 - < 9999
NB (EL)	37038	54 0.1 %	47 0.1 %	111 0.3 %	371 1.0 %	1523 4.1 %	5461 14.7 %	11426 30.8 %	10484 28.3 %	5171 14.0 %	1717 4.6 %	455 1.2 %	151 0.4 %	43 0.1 %	11 0.0 %	4 0.0 %	9 0.0 %

# CITY OF SEATTLE

## Department of Transportation

ON STREET : : RAINIER AVE S  
 LOCATED : : NW/O (NORTHBOUND)  
 CROSS STREET : : 42 AVE S

Site: 413  
 Tuesday, 4/22/2014 11:00 AM -  
 Tuesday, 4/29/2014 10:00 AM

### Speed Grand Totals

mph	Hourly Averages NB (WL)																
	Total	0 - < 15	15 - < 18	18 - < 21	21 - < 24	24 - < 27	27 - < 30	30 - < 33	33 - < 36	36 - < 39	39 - < 42	42 - < 45	45 - < 48	48 - < 51	51 - < 54	54 - < 57	57 - < 9999
12:00 AM	31.7	0.0	0.0	0.1	0.0	0.4	2.3	11.0	8.9	6.4	1.9	0.4	0.0	0.3	0.0	0.0	0.0
1:00 AM	27.7	0.0	0.0	0.1	0.0	0.3	3.1	8.7	7.9	5.0	1.9	0.6	0.0	0.0	0.0	0.0	0.1
2:00 AM	21.7	0.0	0.0	0.1	0.0	0.4	2.6	5.1	7.1	4.0	2.1	0.0	0.0	0.1	0.0	0.0	0.0
3:00 AM	40.3	0.0	0.0	0.0	0.1	0.6	3.1	12.4	15.6	6.6	1.6	0.3	0.0	0.0	0.0	0.0	0.0
4:00 AM	93.0	0.0	0.0	0.0	0.3	1.1	2.7	22.6	31.0	25.7	7.6	1.4	0.4	0.1	0.0	0.0	0.0
5:00 AM	244.3	0.0	0.0	0.0	0.3	0.3	4.6	38.0	103.0	69.6	22.1	5.0	0.9	0.4	0.0	0.1	0.0
6:00 AM	453.7	0.4	0.6	1.3	1.7	2.9	26.1	105.1	180.1	105.1	25.0	4.6	0.6	0.0	0.0	0.0	0.1
7:00 AM	424.6	0.4	0.3	0.9	1.4	4.3	22.9	105.7	170.6	85.1	25.7	4.7	1.9	0.7	0.0	0.0	0.0
8:00 AM	350.0	0.1	0.1	0.6	1.1	3.0	20.6	100.9	133.3	66.3	19.0	4.0	0.9	0.1	0.0	0.0	0.0
9:00 AM	310.7	0.0	0.1	0.9	1.7	5.7	30.4	96.1	107.7	49.9	14.6	3.0	0.6	0.0	0.0	0.0	0.0
10:00 AM	304.7	0.0	0.2	0.3	1.7	4.5	28.3	92.8	107.0	52.0	13.5	3.5	0.7	0.0	0.0	0.0	0.2
11:00 AM	310.7	0.1	0.3	0.4	1.3	7.1	31.9	91.0	111.4	48.9	14.6	2.4	1.0	0.3	0.0	0.0	0.0
12:00 PM	316.1	0.7	0.6	1.0	2.1	4.3	28.0	98.1	106.9	56.7	13.0	3.3	1.1	0.3	0.0	0.0	0.0
1:00 PM	336.0	0.0	0.3	0.4	1.7	6.0	33.9	101.0	122.1	50.9	14.9	3.3	1.1	0.1	0.0	0.1	0.1
2:00 PM	335.0	0.3	0.4	0.4	1.1	7.6	41.9	102.1	111.4	50.9	14.7	3.3	0.9	0.0	0.0	0.0	0.0
3:00 PM	319.1	0.1	0.1	0.7	2.7	10.7	32.4	85.1	113.1	54.4	14.4	4.6	0.4	0.1	0.0	0.0	0.0
4:00 PM	323.9	0.4	0.4	1.0	1.9	8.6	27.1	97.3	106.9	58.4	15.9	4.0	1.9	0.1	0.0	0.0	0.0
5:00 PM	275.9	0.6	0.1	0.6	0.7	8.1	32.6	85.7	87.4	42.7	12.1	3.9	0.7	0.3	0.3	0.0	0.0
6:00 PM	224.9	0.3	0.1	0.1	1.0	3.4	26.1	63.4	80.6	35.6	11.9	1.7	0.4	0.1	0.0	0.0	0.0
7:00 PM	190.0	0.0	0.1	0.4	1.6	6.0	25.7	61.7	59.0	25.9	6.3	2.3	0.7	0.1	0.0	0.0	0.1
8:00 PM	161.6	0.0	0.1	0.1	0.9	3.3	22.1	56.6	52.3	20.3	4.7	0.9	0.1	0.1	0.0	0.0	0.0
9:00 PM	118.0	0.1	0.0	0.1	0.1	2.1	14.6	36.7	38.1	17.4	4.7	1.9	1.3	0.6	0.1	0.0	0.0
10:00 PM	73.4	0.0	0.0	0.0	0.6	1.0	7.4	22.1	25.1	11.6	4.4	0.7	0.0	0.3	0.1	0.0	0.0
11:00 PM	48.1	0.0	0.0	0.0	0.3	0.7	3.7	16.1	15.7	8.1	1.9	1.0	0.4	0.1	0.0	0.0	0.0
Daily Average	5335.1	3.7	4.0	9.8	24.4	92.5	474.2	1515.7	1902.3	957.4	268.4	60.6	16.0	4.6	0.6	0.3	0.7

**Average (Mean)** 33.9 mph      **Minimum** 10.8 mph      **Maximum** 80.6 mph      **Pace Range** 28.9 - 38.9 mph      32053 vehicles (86.5 %)

**Percentile Speeds**  
 (mph)      10%      15%      50%      85%      90%  
 29.7      30.6      33.8      37.2      38.2

**Speeds Exceeded**  
25 mph      30 mph      35 mph      40 mph      45 mph      50 mph      55 mph  
 98.9 % (36623)      88.6 % (32816)      35.4 % (13097)      4.0 % (1497)      0.4 % (154)      0.1 % (21)      0.0 % (6)

### Study Grand Totals

Total	0 - < 15	15 - < 18	18 - < 21	21 - < 24	24 - < 27	27 - < 30	30 - < 33	33 - < 36	36 - < 39	39 - < 42	42 - < 45	45 - < 48	48 - < 51	51 - < 54	54 - < 57	57 - < 9999	
NB (WL)	37041	26	28	68	169	643	3291	10517	13209	6650	1865	421	111	32	4	2	5
		0.1 %	0.1 %	0.2 %	0.5 %	1.7 %	8.9 %	28.4 %	35.7 %	18.0 %	5.0 %	1.1 %	0.3 %	0.1 %	0.0 %	0.0 %	0.0 %

# CITY OF SEATTLE

## Department of Transportation

ON STREET : : RAINIER AVE S  
 LOCATED : : NW/O (NORTHBOUND)  
 CROSS STREET : : 42 AVE S

Site: 413  
 Tuesday, 4/22/2014 11:00 AM -  
 Tuesday, 4/29/2014 10:00 AM

### Speed Grand Totals

mph	Hourly Averages Combined																
	Total	0 - < 15	15 - < 18	18 - < 21	21 - < 24	24 - < 27	27 - < 30	30 - < 33	33 - < 36	36 - < 39	39 - < 42	42 - < 45	45 - < 48	48 - < 51	51 - < 54	54 - < 57	57 - < 9999
12:00 AM	52.9	0.0	0.0	0.3	0.1	0.9	5.3	17.0	15.3	9.9	3.0	0.7	0.0	0.4	0.0	0.0	0.0
1:00 AM	43.6	0.0	0.0	0.1	0.1	0.7	5.3	13.3	12.3	7.4	2.9	1.3	0.0	0.0	0.0	0.0	0.1
2:00 AM	35.9	0.0	0.1	0.1	0.0	1.3	4.6	8.7	11.7	6.0	2.9	0.1	0.1	0.1	0.0	0.0	0.0
3:00 AM	60.4	0.0	0.0	0.1	0.7	1.6	5.6	17.9	21.0	10.9	2.1	0.6	0.0	0.0	0.0	0.0	0.0
4:00 AM	163.3	0.0	0.0	0.0	0.4	2.4	8.9	40.0	55.0	40.1	12.7	2.6	0.7	0.1	0.1	0.0	0.1
5:00 AM	426.6	0.0	0.0	0.0	0.7	2.3	14.7	72.3	162.9	116.3	43.3	10.9	2.1	0.7	0.1	0.1	0.1
6:00 AM	816.6	0.6	0.9	1.9	4.0	10.9	54.1	186.6	302.3	184.4	56.4	11.4	2.9	0.1	0.0	0.0	0.1
7:00 AM	806.6	0.7	0.4	1.6	2.9	11.3	58.4	199.4	294.9	164.7	54.1	12.7	4.1	1.3	0.0	0.0	0.0
8:00 AM	690.1	0.3	0.3	1.1	3.1	12.3	65.0	204.7	238.0	117.1	36.6	8.6	2.4	0.6	0.0	0.0	0.0
9:00 AM	619.3	0.1	0.7	0.9	4.9	16.1	71.3	199.4	197.4	95.0	26.6	5.1	1.3	0.3	0.1	0.0	0.0
10:00 AM	625.0	0.3	0.5	0.8	4.7	15.0	76.8	194.5	201.0	96.0	26.0	7.2	1.8	0.2	0.0	0.0	0.2
11:00 AM	640.7	0.7	0.4	1.6	5.9	22.1	82.6	202.1	203.6	86.9	27.4	5.0	1.9	0.4	0.1	0.0	0.0
12:00 PM	646.3	1.7	1.3	1.6	5.1	17.0	88.6	205.7	198.1	93.7	23.3	7.4	1.7	1.0	0.0	0.0	0.0
1:00 PM	699.1	0.3	1.1	1.7	5.6	23.0	94.7	224.9	217.6	93.9	27.6	5.3	2.7	0.3	0.1	0.1	0.3
2:00 PM	699.1	1.6	1.0	1.4	6.1	26.7	107.4	225.6	200.6	91.4	27.7	6.9	2.1	0.3	0.3	0.0	0.0
3:00 PM	705.6	1.1	0.9	2.4	6.7	30.0	94.7	213.4	215.9	101.4	28.0	8.1	1.9	0.7	0.0	0.0	0.3
4:00 PM	711.6	1.0	0.9	2.6	5.7	25.9	91.9	226.3	211.9	104.0	28.1	9.6	2.9	0.7	0.0	0.1	0.1
5:00 PM	607.9	1.6	0.7	2.7	6.6	29.9	88.0	194.6	174.1	76.7	23.3	6.7	2.0	0.6	0.3	0.1	0.0
6:00 PM	467.1	0.7	0.6	2.3	4.6	18.7	70.3	138.4	142.0	61.6	21.3	4.1	1.9	0.4	0.3	0.0	0.0
7:00 PM	384.6	0.4	0.4	0.9	3.9	17.4	64.9	123.1	110.9	45.7	11.4	4.1	1.0	0.3	0.0	0.0	0.1
8:00 PM	317.6	0.0	0.1	0.7	2.4	10.6	50.7	113.4	91.0	35.9	9.7	2.0	0.4	0.4	0.0	0.1	0.0
9:00 PM	227.1	0.3	0.3	0.3	0.4	7.1	33.4	69.7	69.1	30.0	9.7	2.9	2.4	1.0	0.1	0.1	0.1
10:00 PM	138.7	0.0	0.0	0.6	1.7	4.7	14.9	45.0	42.3	19.1	7.9	1.4	0.4	0.3	0.4	0.0	0.0
11:00 PM	86.4	0.0	0.1	0.0	1.4	3.7	9.3	26.4	24.7	14.3	3.4	1.4	0.9	0.4	0.0	0.0	0.3
Daily Average	10672.0	11.5	10.8	25.7	77.8	311.6	1261.3	3162.5	3413.4	1702.4	515.4	126.2	37.7	10.7	2.1	0.9	2.0

**Average (Mean)** 33.4 mph      **Minimum** 10.4 mph      **Maximum** 80.6 mph      **Pace Range** 28.4 - 38.4 mph      62025 vehicles (83.7%)

**Percentile Speeds**  
 (mph)      10%      15%      50%      85%      90%  
 28.9      29.9      33.4      37.0      38.0

**Speeds Exceeded**  
25 mph      30 mph      35 mph      40 mph      45 mph      50 mph      55 mph  
 98.3 % (72821)      84.1 % (62287)      31.9 % (23614)      4.1 % (3061)      0.5 % (372)      0.1 % (53)      0.0 % (16)

### Study Grand Totals

	Total	0 - < 15	15 - < 18	18 - < 21	21 - < 24	24 - < 27	27 - < 30	30 - < 33	33 - < 36	36 - < 39	39 - < 42	42 - < 45	45 - < 48	48 - < 51	51 - < 54	54 - < 57	57 - < 9999
Combined	74079	80	75	179	540	2166	8752	21943	23693	11821	3582	876	262	75	15	6	14
		0.1 %	0.1 %	0.2 %	0.7 %	2.9 %	11.8 %	29.6 %	32.0 %	16.0 %	4.8 %	1.2 %	0.4 %	0.1 %	0.0 %	0.0 %	0.0 %
NB (EL)	37038	54	47	111	371	1523	5461	11426	10484	5171	1717	455	151	43	11	4	9
		0.1 %	0.1 %	0.3 %	1.0 %	4.1 %	14.7 %	30.8 %	28.3 %	14.0 %	4.6 %	1.2 %	0.4 %	0.1 %	0.0 %	0.0 %	0.0 %
NB (WL)	37041	26	28	68	169	643	3291	10517	13209	6650	1865	421	111	32	4	2	5
		0.1 %	0.1 %	0.2 %	0.5 %	1.7 %	8.9 %	28.4 %	35.7 %	18.0 %	5.0 %	1.1 %	0.3 %	0.1 %	0.0 %	0.0 %	0.0 %