

Appendix E

Traffic Summary

Appendix D contains speed and volume information for the Monroe Neighborhood Street Design study area collected by the Clackamas County Transportation Department through a third-party contractor between July and October, 2015. Street and intersection speeds and volumes were used to inform the Alternatives Analysis process as well as the final recommended concept design for the Monroe Neighborhood Street Design Plan.

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Peak Hour Intersection Surveys

Total Vehicle Summary



Clay Carney
(503) 833-2740

SE 72nd Ave & SE Monroe St

Tuesday, April 28, 2015
4:00 PM to 6:00 PM

15-Minute Interval Summary 4:00 PM to 6:00 PM

Interval Start Time	Northbound SE 72nd Ave				Southbound SE 72nd Ave				Eastbound SE Monroe St				Westbound SE Monroe St				Interval Total	Pedestrians Crosswalk							
	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes		North	South	East	West				
4:00 PM	17	0	0	0	0	0	0	0	1	13	0	0	6	0	0	0	0	0	0	0	37	0	0	0	1
4:15 PM	12	0	0	0	0	0	0	0	2	13	0	0	1	0	0	0	0	0	0	0	28	0	0	0	1
4:30 PM	24	0	0	0	0	0	0	0	4	17	0	1	2	0	0	0	0	0	0	0	48	0	0	0	0
4:45 PM	23	0	0	0	0	0	0	0	3	15	0	0	2	0	0	0	0	0	0	0	43	0	0	0	0
5:00 PM	20	0	0	0	0	0	0	0	2	15	0	0	3	0	0	0	0	0	0	0	40	0	0	0	0
5:15 PM	8	1	1	1	0	0	0	0	0	11	0	0	2	0	0	0	0	0	0	0	22	0	0	0	0
5:30 PM	23	0	0	0	0	0	0	0	8	19	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0
5:45 PM	13	0	0	0	0	0	0	0	4	13	0	0	1	0	0	0	0	0	0	0	31	0	0	0	0
Total Survey	140		1	1					24	116	0	1	17								299	0	0	0	1

Peak Hour Summary 4:15 PM to 5:15 PM

By Approach	Northbound SE 72nd Ave				Southbound SE 72nd Ave				Eastbound SE Monroe St				Westbound SE Monroe St				Total	Pedestrians Crosswalk			
	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes		North	South	East	West
Volume	79	61	140	0	0	0	0	0	71	87	158	0	9	11	20	0	159	0	0	0	1
%HV	2.5%				0.0%				1.4%				22.2%				3.1%				
PHF	0.82				0.00				0.85				0.75				0.83				

By Movement	Northbound SE 72nd Ave				Southbound SE 72nd Ave				Eastbound SE Monroe St				Westbound SE Monroe St				Total
	L	T	R	Total	L	T	R	Total	L	T	R	Total	L	T	R	Total	
Volume	79	0	0	79	0	0	0	0	11	60	71	1	8	9	0	159	
%HV	2.5%	NA	0.0%	2.5%	NA	NA	NA	0.0%	NA	0.0%	1.7%	1.4%	#####	12.5%	NA	22.2%	3.1%
PHF	0.82		0.00	0.82			0.00		0.69	0.88	0.85	0.25	0.67	0.75	0.83		

Rolling Hour Summary 4:00 PM to 6:00 PM

Interval Start Time	Northbound SE 72nd Ave				Southbound SE 72nd Ave				Eastbound SE Monroe St				Westbound SE Monroe St				Interval Total	Pedestrians Crosswalk			
	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes		North	South	East	West
4:00 PM	76	0	0	0	0	0	0	0	10	58	0	1	11	0	156	0	0	0	1		
4:15 PM	79	0	0	0	0	0	0	0	11	60	0	1	8	0	159	0	0	0	1		
4:30 PM	75	1	1	1	0	0	0	0	9	58	0	1	9	0	153	0	0	0	0		
4:45 PM	74	1	1	1	0	0	0	0	13	60	0	0	7	0	155	0	0	0	0		
5:00 PM	64	1	1	1	0	0	0	0	14	58	0	0	6	0	143	0	0	0	0		

Total Vehicle Summary



Clay Carney
(503) 833-2740

SE Fuller Rd & SE Harmony Dr

Tuesday, April 28, 2015
4:00 PM to 6:00 PM

15-Minute Interval Summary 4:00 PM to 6:00 PM

Interval Start Time	Northbound SE Fuller Rd				Southbound SE Fuller Rd				Eastbound SE Harmony Dr				Westbound SE Harmony Dr				Interval Total	Pedestrians Crosswalk			
	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes		North	South	East	West
4:00 PM	7	31	35	0	26	27	4	0	0	5	3	0	19	5	17	0	179	0	1	0	1
4:15 PM	7	26	28	0	18	41	0	0	1	4	7	1	16	4	21	0	173	0	2	2	1
4:30 PM	7	28	39	0	39	42	0	0	1	10	9	0	22	5	29	0	231	2	3	0	6
4:45 PM	7	38	28	0	22	37	0	0	2	3	8	0	21	5	27	0	198	0	0	1	4
5:00 PM	4	28	25	0	25	40	2	0	0	5	2	0	14	5	21	0	171	0	0	1	1
5:15 PM	6	27	28	0	19	36	0	0	0	6	3	0	14	8	18	0	165	0	0	0	0
5:30 PM	7	29	31	0	30	50	3	0	2	8	6	0	22	5	18	1	211	0	1	0	0
5:45 PM	4	20	20	0	12	37	1	0	0	8	5	1	26	5	14	0	152	0	0	0	0
Total Survey	49	227	234	0	191	310	10	0	6	49	43	2	154	42	165	1	1,480	2	7	4	13

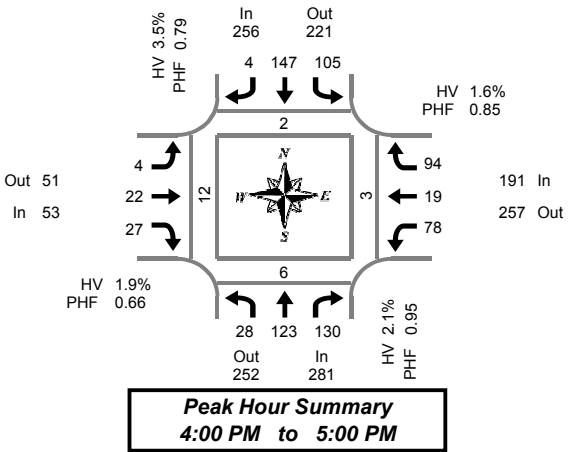
Peak Hour Summary 4:00 PM to 5:00 PM

By Approach	Northbound SE Fuller Rd				Southbound SE Fuller Rd				Eastbound SE Harmony Dr				Westbound SE Harmony Dr				Total	Pedestrians Crosswalk			
	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes		North	South	East	West
Volume	281	252	533	0	256	221	477	0	53	51	104	1	191	257	448	0	781	2	6	3	12
%HV	2.1%				3.5%				1.9%				1.6%				2.4%				
PHF	0.95				0.79				0.66				0.85				0.85				

By Movement	Northbound SE Fuller Rd				Southbound SE Fuller Rd				Eastbound SE Harmony Dr				Westbound SE Harmony Dr				Total
	L	T	R	Total	L	T	R	Total	L	T	R	Total	L	T	R	Total	
Volume	28	123	130	281	105	147	4	256	4	22	27	53	78	19	94	191	781
%HV	0.0%	1.6%	3.1%	2.1%	2.9%	4.1%	0.0%	3.5%	0.0%	0.0%	3.7%	1.9%	1.3%	0.0%	2.1%	1.6%	2.4%
PHF	1.00	0.81	0.83	0.95	0.67	0.88	0.25	0.79	0.50	0.55	0.75	0.66	0.89	0.95	0.81	0.85	0.85

Rolling Hour Summary 4:00 PM to 6:00 PM

Interval Start Time	Northbound SE Fuller Rd				Southbound SE Fuller Rd				Eastbound SE Harmony Dr				Westbound SE Harmony Dr				Interval Total	Pedestrians Crosswalk			
	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes		North	South	East	West
4:00 PM	28	123	130	0	105	147	4	0	4	22	27	1	78	19	94	0	781	2	6	3	12
4:15 PM	25	120	120	0	104	160	2	0	4	22	26	1	73	19	98	0	773	2	5	4	12
4:30 PM	24	121	120	0	105	155	2	0	3	24	22	0	71	23	95	0	765	2	3	2	11
4:45 PM	24	122	112	0	96	163	5	0	4	22	19	0	71	23	84	1	745	0	1	2	5
5:00 PM	21	104	104	0	86	163	6	0	2	27	16	1	76	23	71	1	699	0	1	1	1

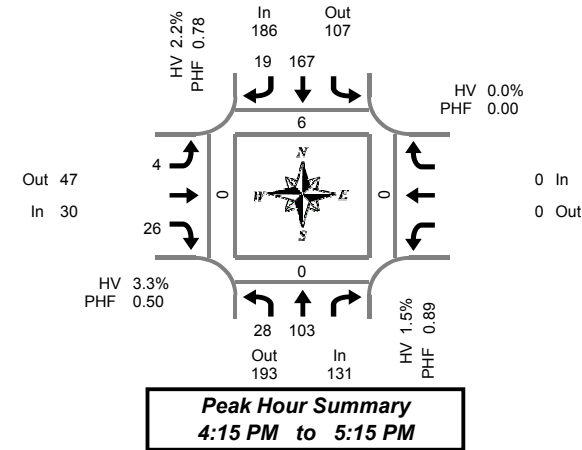


Total Vehicle Summary



SE Fuller Rd & SE Monroe St

Tuesday, April 28, 2015
4:00 PM to 6:00 PM



15-Minute Interval Summary 4:00 PM to 6:00 PM

Interval Start Time	Northbound SE Fuller Rd				Southbound SE Fuller Rd				Eastbound SE Monroe St				Westbound SE Monroe St				Interval Total	Pedestrians Crosswalk			
	L	T	Bikes	Total	T	R	Bikes	Total	L	R	Bikes	Total	In	Out	Total	Bikes		North	South	East	West
4:00 PM	4	22	0	26	41	3	0	44	4	4	0	8	0	0	0	0	2	0	0	0	1
4:15 PM	13	24	0	37	33	3	0	36	0	15	0	15	0	0	0	0	2	0	0	0	0
4:30 PM	7	23	0	30	57	3	0	60	2	2	0	4	0	0	0	0	1	0	0	0	0
4:45 PM	6	31	0	37	30	9	0	39	1	6	2	9	0	0	0	0	0	0	0	0	0
5:00 PM	2	25	0	27	47	4	0	51	1	3	0	4	0	0	0	0	0	0	0	0	0
5:15 PM	3	20	0	23	49	6	1	56	2	4	0	6	0	0	0	0	0	0	0	0	0
5:30 PM	4	26	0	30	44	11	0	55	2	4	0	6	0	0	0	0	0	0	0	0	0
5:45 PM	5	15	0	20	42	7	0	49	3	3	0	6	0	0	0	0	0	0	0	0	0
Total Survey	44	186	0	230	343	46	1	390	15	41	2	58	0	0	0	0	12	0	0	0	3

Peak Hour Summary 4:15 PM to 5:15 PM

By Approach	Northbound SE Fuller Rd				Southbound SE Fuller Rd				Eastbound SE Monroe St				Westbound SE Monroe St				Total	Pedestrians Crosswalk			
	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes		North	South	East	West
Volume	131	193	324	0	186	107	293	0	30	47	77	2	0	0	0	0	6	0	0	0	0
%HV	1.5%				2.2%				3.3%				0.0%				2.0%				
PHF	0.89				0.78				0.50				0.00				0.92				

By Movement	Northbound SE Fuller Rd				Southbound SE Fuller Rd				Eastbound SE Monroe St				Westbound SE Monroe St				Total				
	L	T	Total	Bikes	T	R	Total	Bikes	L	R	Total	Bikes	In	Out	Total	Bikes					
Volume	28	103	131	0	167	19	186	0	4	26	30	0	0	0	0	0	6	0	0	0	0
%HV	3.6%	1.0%	NA	1.5%	NA	1.8%	5.3%	2.2%	0.0%	NA	3.8%	3.3%	NA	NA	NA	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%
PHF	0.54	0.83	0.89	0.00	0.73	0.53	0.78	0.00	0.50	0.43	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92

Rolling Hour Summary 4:00 PM to 6:00 PM

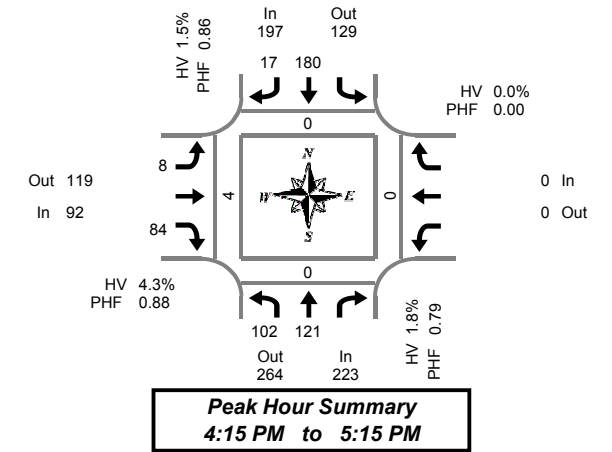
Interval Start Time	Northbound SE Fuller Rd				Southbound SE Fuller Rd				Eastbound SE Monroe St				Westbound SE Monroe St				Interval Total	Pedestrians Crosswalk			
	L	T	Bikes	Total	T	R	Bikes	Total	L	R	Bikes	Total	In	Out	Total	Bikes		North	South	East	West
4:00 PM	30	100	0	130	161	18	0	179	7	27	2	36	0	0	0	0	5	0	0	0	1
4:15 PM	28	103	0	131	167	19	0	186	4	26	2	32	0	0	0	0	6	0	0	0	0
4:30 PM	18	99	0	117	183	22	1	206	6	15	2	23	0	0	0	0	6	0	0	0	2
4:45 PM	15	102	0	117	170	30	1	201	6	17	2	25	0	0	0	0	6	0	0	0	2
5:00 PM	14	86	0	100	182	28	1	211	8	14	0	22	0	0	0	0	7	0	0	0	2

Total Vehicle Summary



SE Fuller Rd & SE Thompson Rd

Tuesday, April 28, 2015
4:00 PM to 6:00 PM



15-Minute Interval Summary 4:00 PM to 6:00 PM

Interval Start Time	Northbound SE Fuller Rd				Southbound SE Fuller Rd				Eastbound SE Thompson Rd				Westbound SE Thompson Rd				Interval Total	Pedestrians Crosswalk			
	L	T	Bikes	Total	T	R	Bikes	Total	L	R	Bikes	Total	In	Out	Total	Bikes		North	South	East	West
4:00 PM	24	23	0	47	38	4	1	43	2	11	0	13	0	0	0	0	2	0	0	0	1
4:15 PM	16	34	0	50	48	4	0	52	4	17	0	21	0	0	0	0	2	0	0	0	0
4:30 PM	26	28	0	54	53	4	1	58	2	23	0	25	0	0	0	0	1	0	0	0	3
4:45 PM	37	34	0	71	31	4	1	36	1	25	0	26	0	0	0	0	0	0	0	0	0
5:00 PM	23	25	0	48	48	5	0	53	1	19	0	20	0	0	0	0	0	0	0	0	1
5:15 PM	21	19	0	40	45	7	0	52	1	17	0	18	0	0	0	0	0	0	0	0	0
5:30 PM	30	27	0	57	47	8	0	55	4	31	0	32	0	0	0	0	0	0	0	0	0
5:45 PM	10	20	0	30	40	3	0	43	1	13	0	14	0	0	0	0	0	0	0	0	0
Total Survey	187	210	0	397	350	39	3	392	16	156	0	162	0	0	0	0	12	0	0	0	5

Peak Hour Summary 4:15 PM to 5:15 PM

By Approach	Northbound SE Fuller Rd				Southbound SE Fuller Rd				Eastbound SE Thompson Rd				Westbound SE Thompson Rd				Total	Pedestrians Crosswalk			
	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes		North	South	East	West
Volume	223	264	487	0	197	129	326	2	92	119	211	0	0	0	0	0	6	0	0	0	4
%HV	1.8%				1.5%				4.3%				0.0%				2.1%				
PHF	0.79				0.86				0.88				0.00				0.94				

By Movement	Northbound SE Fuller Rd				Southbound SE Fuller Rd				Eastbound SE Thompson Rd				Westbound SE Thompson Rd				Total				
	L	T	Total	Bikes	T	R	Total	Bikes	L	R	Total	Bikes	In	Out	Total	Bikes					
Volume	102	121	223	0	180	17	197	2	8	84	92	0	0	0	0	0	6	0	0	0	4
%HV	2.9%	0.8%	NA	1.8%	NA	1.7%	0.0%	1.5%	0.0%	NA	4.8%	4.3%	NA	NA	NA	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%
PHF	0.69	0.89	0.79	0.00	0.85	0.85	0.86	0.50	0.00	0.84	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94

Rolling Hour Summary 4:00 PM to 6:00 PM

Interval Start Time	Northbound SE Fuller Rd				Southbound SE Fuller Rd				Eastbound SE Thompson Rd				Westbound SE Thompson Rd				Interval Total	Pedestrians Crosswalk			
	L	T	Bikes	Total	T	R	Bikes	Total	L	R	Bikes	Total	In	Out	Total	Bikes		North	South	East	West
4:00 PM	103	119	0	222	170	16	3	189	9	76	0	85	0	0	0	0	5	0	0	0	4
4:15 PM	102	121	0	223	180	17	2	199	8	84	0	92	0	0	0	0	6	0	0	0	4
4:30 PM	107	106	0	213	177	20	2	199	5	84	0	89	0	0	0	0	6	0	0	0	4
4:45 PM	111	105	0	216	171	24	1	196	7	92	0	94	0	0	0	0	6	0	0	0	1
5:00 PM	84	91	0	175	180	23	0	203	7	80	0	87	0	0	0	0	7	0	0	0	1

Total Vehicle Summary



Clay Carney
(503) 833-2740

SE Linwood Ave & SE Monroe St

Tuesday, April 28, 2015
4:00 PM to 6:00 PM

15-Minute Interval Summary
4:00 PM to 6:00 PM

Interval Start Time	Northbound SE Linwood Ave				Southbound SE Linwood Ave				Eastbound SE Monroe St				Westbound SE Monroe St				Interval Total	Pedestrians Crosswalk			
	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes		North	South	East	West
4:00 PM	5	76	5	1	8	79	9	0	9	8	12	0	6	12	13	0	242	0	0	0	1
4:15 PM	4	60	8	0	9	77	14	0	10	14	8	0	1	7	11	0	223	0	1	0	0
4:30 PM	5	73	3	0	14	62	19	1	6	22	18	0	3	9	13	0	247	0	0	0	1
4:45 PM	7	56	5	1	9	83	18	0	7	15	11	0	3	10	14	0	238	0	2	0	0
5:00 PM	5	66	6	0	8	88	18	1	10	13	9	0	6	8	15	0	252	0	0	0	0
5:15 PM	1	76	4	2	3	88	10	0	10	11	7	0	1	9	4	0	224	0	1	0	0
5:30 PM	9	74	11	1	7	79	17	3	14	19	8	0	2	13	18	1	271	0	0	1	0
5:45 PM	4	56	3	1	8	65	10	2	3	12	6	0	4	10	10	0	191	0	0	0	0
Total Survey	40	537	45	6	66	621	115	7	69	114	79	0	26	78	98	1	1,888	0	4	1	2

Peak Hour Summary
4:45 PM to 5:45 PM

By Approach	Northbound SE Linwood Ave				Southbound SE Linwood Ave				Eastbound SE Monroe St				Westbound SE Monroe St				Total	Pedestrians Crosswalk			
	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes		North	South	East	West
Volume	320	385	705	4	428	364	792	4	134	125	259	0	103	111	214	1	985	0	3	1	0
%HV	2.8%				2.6%				2.2%				1.0%				2.4%				
PHF	0.85				0.94				0.82				0.78				0.91				

By Movement	Northbound SE Linwood Ave				Southbound SE Linwood Ave				Eastbound SE Monroe St				Westbound SE Monroe St				Total
	L	T	R	Total	L	T	R	Total	L	T	R	Total	L	T	R	Total	
Volume	22	272	26	320	27	338	63	428	41	58	35	134	12	40	51	103	985
%HV	0.0%	2.6%	7.7%	2.8%	7.4%	2.1%	3.2%	2.6%	0.0%	1.7%	5.7%	2.2%	0.0%	0.0%	2.0%	1.0%	2.4%
PHF	0.61	0.89	0.59	0.85	0.75	0.96	0.88	0.94	0.73	0.76	0.80	0.82	0.50	0.77	0.71	0.78	0.91

Rolling Hour Summary
4:00 PM to 6:00 PM

Interval Start Time	Northbound SE Linwood Ave				Southbound SE Linwood Ave				Eastbound SE Monroe St				Westbound SE Monroe St				Interval Total	Pedestrians Crosswalk			
	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes		North	South	East	West
4:00 PM	21	265	21	2	40	301	60	1	32	59	49	0	13	38	51	0	950	0	3	0	2
4:15 PM	21	255	22	1	40	310	69	2	33	64	46	0	13	34	53	0	960	0	3	0	1
4:30 PM	18	271	18	3	34	321	65	2	33	61	45	0	13	36	46	0	961	0	3	0	1
4:45 PM	22	272	26	4	27	338	63	4	41	58	35	0	12	40	51	1	985	0	3	1	0
5:00 PM	19	272	24	4	26	320	55	6	37	55	30	0	13	40	47	1	938	0	1	1	0

Total Vehicle Summary



Clay Carney
(503) 833-2740

SE Maplehurst Rd & SE Monroe St

Tuesday, April 28, 2015
4:00 PM to 6:00 PM

15-Minute Interval Summary
4:00 PM to 6:00 PM

Interval Start Time	Northbound SE Maplehurst Rd				Southbound SE Maplehurst Rd				Eastbound SE Monroe St				Westbound SE Monroe St				Interval Total	Pedestrians Crosswalk			
	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes		North	South	East	West
4:00 PM	11	0	0	0	0	0	0	0	13	11	0	1	23	0	0	59	0	0	0	0	
4:15 PM	7	0	0	0	0	0	0	0	20	12	1	0	11	0	0	50	0	1	0	0	
4:30 PM	8	0	0	0	0	0	0	0	22	16	0	0	23	0	0	69	0	0	0	0	
4:45 PM	10	0	0	0	0	0	0	0	22	11	0	1	25	0	0	69	0	2	0	0	
5:00 PM	7	0	0	0	0	0	0	0	15	9	1	0	20	0	0	51	0	0	0	2	
5:15 PM	7	1	0	0	0	0	0	0	15	5	0	0	13	1	0	41	0	0	0	0	
5:30 PM	13	0	0	0	0	0	0	0	21	15	0	1	24	1	0	74	0	0	0	2	
5:45 PM	10	1	0	0	0	0	0	0	15	9	0	1	12	0	0	48	0	0	0	1	
Total Survey	73	0	0	0	0	0	0	0	143	88	2	4	151	2	0	461	0	3	0	5	

Peak Hour Summary
4:00 PM to 5:00 PM

By Approach	Northbound SE Maplehurst Rd				Southbound SE Maplehurst Rd				Eastbound SE Monroe St				Westbound SE Monroe St				Total	Pedestrians Crosswalk			
	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes		North	South	East	West
Volume	36	52	88	0	0	0	0	0	127	118	245	1	84	77	161	0	247	0	3	0	0
%HV	5.6%				0.0%				3.9%				4.8%				4.5%				
PHF	0.82				0.00				0.84				0.81				0.89				

By Movement	Northbound SE Maplehurst Rd				Southbound SE Maplehurst Rd				Eastbound SE Monroe St				Westbound SE Monroe St				Total
	L	T	R	Total	L	T	R	Total	L	T	R	Total	L	T	R	Total	
Volume	36	0	0	36	0	0	0	0	77	50	127	2	82	84	247		
%HV	5.6%	NA	0.0%	5.6%	NA	NA	NA	0.0%	5.2%	2.0%	3.9%	50.0%	3.7%	NA	4.8%	4.5%	
PHF	0.82	0.00	0.82	0.82	0.00	0.00	0.00	0.00	0.88	0.78	0.84	0.50	0.82	0.81	0.89		

Rolling Hour Summary
4:00 PM to 6:00 PM

Interval Start Time	Northbound SE Maplehurst Rd				Southbound SE Maplehurst Rd				Eastbound SE Monroe St				Westbound SE Monroe St				Interval Total	Pedestrians Crosswalk			
	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes		North	South	East	West
4:00 PM	36	0	0	0	0	0	0	0	77	50	1	2	82	0	0	247	0	3	0	0	
4:15 PM	32	0	0	0	0	0	0	0	79	48	2	1	79	0	0	239	0	3	0	2	
4:30 PM	32	1	0	0	0	0	0	0	74	41	1	1	81	1	0	230	0	2	0	2	
4:45 PM	37	1	0	0	0	0	0	0	73	40	1	2	82	2	0	235	0	2	0	4	
5:00 PM	37	2	0	0	0	0	0	0	66	38	1	2	69	2	0	214	0	0	0	5	

Speed/Volume Survey



Questions concerning this report call 503.742.4704
<http://www.clackamas.us/engineering/>

LOCATION : CAUSEY AVE EAST OF 82ND AVE/HWY 213
 COORDINATES : 45.4412, -122.5774
 WEATHER : MOSTLY CLOUDY ~ 55

Site: 13182743
 3/12/2015
 Thursday

Daily Speed

mph	Combined Channels														Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200		
12:00 AM	72	2	8	19	30	10	3	0	0	0	0	0	0	0	0	25.5
1:00 AM	36	1	6	6	18	5	0	0	0	0	0	0	0	0	0	25.1
2:00 AM	28	0	2	5	10	10	1	0	0	0	0	0	0	0	0	27.8
3:00 AM	29	0	1	6	11	7	4	0	0	0	0	0	0	0	0	28.6
4:00 AM	44	0	5	16	14	8	1	0	0	0	0	0	0	0	0	25.2
5:00 AM	88	0	6	21	34	19	7	1	0	0	0	0	0	0	0	27.5
6:00 AM	193	4	9	48	87	37	8	0	0	0	0	0	0	0	0	26.8
7:00 AM	264	3	16	76	104	57	7	0	1	0	0	0	0	0	0	26.6
8:00 AM	269	6	22	91	98	48	3	1	0	0	0	0	0	0	0	25.6
9:00 AM	260	6	34	85	107	26	2	0	0	0	0	0	0	0	0	24.7
10:00 AM	310	13	33	87	136	37	2	2	0	0	0	0	0	0	0	25.0
11:00 AM	320	7	18	95	144	48	6	0	2	0	0	0	0	0	0	26.1
12:00 PM	407	11	35	154	157	42	7	0	0	0	0	0	0	0	1	25.1
1:00 PM	411	7	33	145	173	49	4	0	0	0	0	0	0	0	0	25.1
2:00 PM	463	20	64	172	156	48	3	0	0	0	0	0	0	0	0	24.1
3:00 PM	465	24	59	167	155	52	7	0	0	0	0	0	0	0	1	24.4
4:00 PM	511	13	62	180	189	59	8	0	0	0	0	0	0	0	0	24.8
5:00 PM	433	15	41	164	164	42	7	0	0	0	0	0	0	0	0	24.6
6:00 PM	439	14	46	160	153	55	10	0	1	0	0	0	0	0	0	25.1
7:00 PM	405	10	58	152	150	34	1	0	0	0	0	0	0	0	0	24.2
8:00 PM	320	10	29	133	112	33	3	0	0	0	0	0	0	0	0	24.5
9:00 PM	253	5	37	77	101	28	3	2	0	0	0	0	0	0	0	24.8
10:00 PM	198	3	8	72	77	34	4	0	0	0	0	0	0	0	0	25.8
11:00 PM	140	1	8	53	49	27	2	0	0	0	0	0	0	0	0	26.0
Total	6358	175	640	2184	2429	815	103	6	4	0	0	0	0	0	2	25.1
%		2.8	10.1	34.4	38.2	12.8	1.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
Average (Mean)	25.1 mph	Minimum 10.0 mph			Maximum 80.9 mph			Pace Range 20.7 - 30.7 mph				4736 vehicles (74.5 %)				
Percentile Speeds		<u>10%</u>	<u>15%</u>	<u>50%</u>	<u>85%</u>	<u>90%</u>										
(mph)		19.0	20.5	25.2	29.6	31.0										
Speeds Exceeded		<u>25 mph</u>	<u>35 mph</u>	<u>45 mph</u>	<u>55 mph</u>	<u>65 mph</u>	<u>75 mph</u>									
		52.8 % (3359)	1.8 % (115)	0.1 % (6)	0.0 % (2)	0.0 % (2)	0.0 % (1)									



Questions concerning this report call 503.742.4704
<http://www.clackamas.us/engineering/>

LOCATION : CAUSEY AVE EAST OF FULLER
 COORDINATES : 45.4416, -122.5732
 WEATHER : SUNNY ~ 55

Site: 13182745
 3/5/2015
 Thursday

Daily Speed

mph	Combined Channels														Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200		
12:00 AM	33	0	2	14	14	3	0	0	0	0	0	0	0	0	0	25.5
1:00 AM	11	0	0	2	3	5	1	0	0	0	0	0	0	0	0	28.6
2:00 AM	14	0	2	5	6	1	0	0	0	0	0	0	0	0	0	25.1
3:00 AM	7	0	0	3	3	1	0	0	0	0	0	0	0	0	0	27.0
4:00 AM	13	0	0	2	7	3	1	0	0	0	0	0	0	0	0	28.4
5:00 AM	31	0	2	7	15	6	1	0	0	0	0	0	0	0	0	27.0
6:00 AM	96	1	3	34	43	12	3	0	0	0	0	0	0	0	0	26.2
7:00 AM	278	0	7	67	140	57	7	0	0	0	0	0	0	0	0	27.3
8:00 AM	275	1	9	92	126	45	2	0	0	0	0	0	0	0	0	26.4
9:00 AM	200	2	15	68	84	27	4	0	0	0	0	0	0	0	0	25.8
10:00 AM	242	5	21	96	98	20	2	0	0	0	0	0	0	0	0	24.9
11:00 AM	307	4	27	106	139	26	4	1	0	0	0	0	0	0	0	25.2
12:00 PM	335	5	36	115	143	32	4	0	0	0	0	0	0	0	0	25.2
1:00 PM	337	2	47	117	136	33	2	0	0	0	0	0	0	0	0	24.7
2:00 PM	452	14	69	180	159	27	1	1	0	0	0	0	1	0	0	23.9
3:00 PM	407	3	43	164	157	37	3	0	0	0	0	0	0	0	0	24.8
4:00 PM	464	12	70	153	194	33	2	0	0	0	0	0	0	0	0	24.3
5:00 PM	478	13	57	195	175	33	4	0	1	0	0	0	0	0	0	24.3
6:00 PM	360	5	40	143	145	25	2	0	0	0	0	0	0	0	0	24.6
7:00 PM	281	2	21	111	105	39	1	1	0	0	1	0	0	0	0	25.6
8:00 PM	164	1	6	50	79	20	7	1	0	0	0	0	0	0	0	26.6
9:00 PM	145	0	11	57	58	17	1	1	0	0	0	0	0	0	0	25.5
10:00 PM	73	0	6	18	36	12	1	0	0	0	0	0	0	0	0	26.4
11:00 PM	45	0	2	15	19	8	1	0	0	0	0	0	0	0	0	26.6
Total	5048	70	496	1814	2084	522	54	5	0	1	1	0	1	0	0	25.1
%		1.4	9.8	35.9	41.3	10.3	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Average (Mean)	25.1 mph	Minimum 10.1 mph		Maximum 66.0 mph		Pace Range 20.2 - 30.2 mph		3933 vehicles (77.9 %)								
Percentile Speeds	(mph)	<u>10%</u> 19.7	<u>15%</u> 20.8	<u>50%</u> 25.3	<u>85%</u> 29.3	<u>90%</u> 30.2										
Speeds Exceeded	<u>25 mph</u> 52.9 % (2668)	<u>35 mph</u> 1.2 % (62)	<u>45 mph</u> 0.1 % (3)	<u>55 mph</u> 0.0 % (2)	<u>65 mph</u> 0.0 % (1)	<u>75 mph</u> 0 % (0)										



Questions concerning this report call 503.742.4704
<http://www.clackamas.us/engineering/>

LOCATION : FULLER RD SOUTH OF CAUSEY
 COORDINATES : 45.4402 N, -122.5826 W
 WEATHER : RAINY ~ 45

Site: 13182813
 2/5/2015
 Thursday

Daily Speed

mph	Combined Channels														Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200		
12:00 AM	44	0	0	1	11	20	10	2	0	0	0	0	0	0	0	32.6
1:00 AM	17	0	1	4	2	6	3	1	0	0	0	0	0	0	0	30.0
2:00 AM	14	0	0	0	4	8	2	0	0	0	0	0	0	0	0	31.8
3:00 AM	18	0	0	1	4	10	3	0	0	0	0	0	0	0	0	31.6
4:00 AM	31	0	1	0	6	20	3	1	0	0	0	0	0	0	0	32.0
5:00 AM	51	0	1	0	11	21	16	1	1	0	0	0	0	0	0	32.7
6:00 AM	140	0	1	6	37	59	32	5	0	0	0	0	0	0	0	32.0
7:00 AM	549	6	3	44	208	229	50	8	0	1	0	0	0	0	0	30.0
8:00 AM	337	1	3	30	147	125	30	1	0	0	0	0	0	0	0	29.6
9:00 AM	228	0	4	25	91	85	22	1	0	0	0	0	0	0	0	29.6
10:00 AM	221	0	1	18	72	104	25	1	0	0	0	0	0	0	0	30.6
11:00 AM	282	5	8	38	81	119	25	6	0	0	0	0	0	0	0	29.4
12:00 PM	353	0	3	34	117	168	27	4	0	0	0	0	0	0	0	30.1
1:00 PM	345	1	6	32	135	128	40	2	1	0	0	0	0	0	0	29.9
2:00 PM	482	4	5	35	194	204	35	4	0	1	0	0	0	0	0	29.8
3:00 PM	538	4	8	25	216	234	44	4	0	2	1	0	0	0	0	30.2
4:00 PM	482	3	5	33	179	213	47	2	0	0	0	0	0	0	0	30.0
5:00 PM	496	2	4	31	129	259	63	5	0	0	0	2	0	1	1	31.1
6:00 PM	372	3	2	16	122	173	49	7	0	0	0	0	0	0	0	31.0
7:00 PM	268	0	3	15	94	116	38	2	0	0	0	0	0	0	0	30.7
8:00 PM	220	0	0	10	77	106	26	1	0	0	0	0	0	0	0	30.9
9:00 PM	157	0	0	9	51	73	22	2	0	0	0	0	0	0	0	31.0
10:00 PM	116	0	0	12	30	57	16	1	0	0	0	0	0	0	0	30.8
11:00 PM	58	0	0	2	22	24	8	2	0	0	0	0	0	0	0	31.4
Total	5819	29	59	421	2040	2561	636	63	2	4	1	2	0	1	1	30.4
%		0.5	1.0	7.2	35.1	44.0	10.9	1.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	
Average (Mean)	30.4 mph	Minimum 10.3 mph			Maximum 77.6 mph			Pace Range 25.2 - 35.2 mph			4770 vehicles (82.0 %)					
Percentile Speeds		<u>10%</u>	<u>15%</u>	<u>50%</u>	<u>85%</u>	<u>90%</u>										
(mph)		25.2	26.2	30.5	34.5	35.1										
Speeds Exceeded		<u>25 mph</u>	<u>35 mph</u>	<u>45 mph</u>	<u>55 mph</u>	<u>65 mph</u>	<u>75 mph</u>									
		91.3 % (5310)	12.2 % (709)	0.2 % (10)	0.1 % (4)	0.0 % (1)	0.0 % (1)									



Questions concerning this report call 503.742.4704
<http://www.clackamas.us/engineering/>

LOCATION : FULLER RD SOUTH OF KING
 COORDINATES : 45.4454 N, -122.5798 W
 WEATHER : RAINY ~ 45

Site: 13182814
 2/5/2015
 Thursday

Daily Speed

mph	Combined Channels														Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200		
12:00 AM	21	1	1	1	2	12	2	2	0	0	0	0	0	0	0	31.2
1:00 AM	16	0	2	3	7	3	1	0	0	0	0	0	0	0	0	26.7
2:00 AM	15	0	0	1	7	7	0	0	0	0	0	0	0	0	0	29.3
3:00 AM	16	0	1	3	4	5	2	1	0	0	0	0	0	0	0	29.3
4:00 AM	28	0	1	1	5	11	10	0	0	0	0	0	0	0	0	32.7
5:00 AM	41	1	1	4	4	18	12	1	0	0	0	0	0	0	0	32.1
6:00 AM	100	2	2	6	22	43	22	1	2	0	0	0	0	0	0	31.3
7:00 AM	340	4	15	19	101	146	46	9	0	0	0	0	0	0	0	30.3
8:00 AM	182	1	11	20	54	68	26	1	0	0	0	1	0	0	0	30.0
9:00 AM	111	2	5	8	23	55	16	2	0	0	0	0	0	0	0	30.4
10:00 AM	147	3	17	9	34	57	24	2	1	0	0	0	0	0	0	29.4
11:00 AM	164	4	7	20	53	54	25	1	0	0	0	0	0	0	0	29.3
12:00 PM	202	5	11	19	74	68	23	2	0	0	0	0	0	0	0	29.0
1:00 PM	217	4	22	21	62	82	23	3	0	0	0	0	0	0	0	28.7
2:00 PM	287	3	15	35	110	97	19	8	0	0	0	0	0	0	0	28.9
3:00 PM	299	10	19	27	92	113	33	3	0	1	0	0	0	0	1	29.1
4:00 PM	264	6	12	31	95	88	29	1	1	1	0	0	0	0	0	29.0
5:00 PM	283	6	12	21	102	102	37	3	0	0	0	0	0	0	0	29.5
6:00 PM	238	2	13	23	79	96	21	3	1	0	0	0	0	0	0	29.4
7:00 PM	157	0	7	19	52	58	21	0	0	0	0	0	0	0	0	29.5
8:00 PM	148	2	6	13	47	63	17	0	0	0	0	0	0	0	0	29.4
9:00 PM	106	5	11	5	33	41	10	1	0	0	0	0	0	0	0	28.4
10:00 PM	95	1	8	5	26	40	15	0	0	0	0	0	0	0	0	29.8
11:00 PM	62	0	6	10	15	20	10	1	0	0	0	0	0	0	0	28.9
Total	3539	62	205	324	1103	1347	444	45	5	2	0	1	0	1	1	29.5
%		1.8	5.8	9.2	31.2	38.1	12.5	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
Average (Mean)	29.5 mph	Minimum 10.0 mph			Maximum 88.7 mph			Pace Range 25.2 - 35.2 mph			2558 vehicles (72.3 %)					
Percentile Speeds		<u>10%</u>	<u>15%</u>	<u>50%</u>	<u>85%</u>	<u>90%</u>										
(mph)		21.4	24.5	30.0	34.5	35.8										
Speeds Exceeded		<u>25 mph</u>	<u>35 mph</u>	<u>45 mph</u>	<u>55 mph</u>	<u>65 mph</u>	<u>75 mph</u>									
		83.3 % (2948)	14.1 % (498)	0.3 % (9)	0.1 % (2)	0.0 % (1)	0.0 % (1)									

**All Traffic Data
15105 SE 17th St.
Vancouver, WA. 98683
503-833-2740**

Site Code: 2
SE Harmony Dr W-O SE Fuller Rd

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Classed	Total
04/30/15	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
03:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
06:00	0	8	4	0	1	0	0	0	0	0	0	0	0	0	13
07:00	0	39	6	0	0	0	0	0	0	0	0	0	0	0	45
08:00	0	14	5	0	3	0	0	0	0	0	0	0	0	0	22
09:00	0	26	7	0	0	0	0	0	0	0	0	0	0	0	33
10:00	0	22	4	0	0	0	0	0	0	0	0	0	0	0	26
11:00	0	18	4	0	1	0	0	0	0	0	0	0	0	1	24
12 PM	0	22	2	0	1	0	0	0	0	0	0	0	0	0	25
13:00	0	20	9	0	1	0	0	0	0	0	0	0	0	0	30
14:00	3	24	6	0	1	0	0	0	0	0	0	0	0	0	34
15:00	0	25	8	0	2	0	0	0	0	0	0	0	0	0	35
16:00	0	38	10	0	3	0	0	0	0	0	0	0	0	1	52
17:00	1	24	8	0	2	0	0	0	0	0	0	0	0	2	37
18:00	0	25	6	0	0	0	0	0	0	0	0	0	0	2	33
19:00	2	15	4	0	0	1	0	0	0	0	0	0	0	0	22
20:00	0	15	3	0	0	0	0	0	0	0	0	0	0	0	18
21:00	1	4	3	0	0	0	0	0	0	0	0	0	0	0	8
22:00	0	9	1	0	1	0	0	0	0	0	0	0	0	0	11
23:00	1	8	4	0	0	0	0	0	0	0	0	0	0	0	13
Total	8	360	100	0	17	1	0	0	0	0	0	0	0	6	492
Percent	1.6%	73.2%	20.3%	0.0%	3.5%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	
AM Peak		07:00	09:00		08:00										11:00
Vol.		39	7		3										1
PM Peak	14:00	16:00	16:00		16:00	19:00									17:00
Vol.	3	38	10		3	1									2
Grand Total	8	360	100	0	17	1	0	0	0	0	0	0	0	6	492
Percent	1.6%	73.2%	20.3%	0.0%	3.5%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	

All Traffic Data
15105 SE 17th St.
Vancouver, WA. 98683
503-833-2740

Page 1

Site Code: 2
 SE Harmony Dr W-O SE Fuller Rd

EB	Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total	85th Percent	95th Percent
04/30/15	01:00	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	43	44
	02:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	33	34
	03:00	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	28	29
	04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	24	24
	05:00	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	3	32	34
	06:00	0	0	4	5	3	1	0	0	0	0	0	0	0	0	0	13	33	36
	07:00	3	0	4	21	13	4	0	0	0	0	0	0	0	0	0	45	33	37
	08:00	1	0	8	9	3	1	0	0	0	0	0	0	0	0	0	22	31	34
	09:00	0	0	6	20	6	1	0	0	0	0	0	0	0	0	0	33	31	34
	10:00	0	0	8	14	1	2	1	0	0	0	0	0	0	0	0	26	30	39
	11:00	2	3	4	8	5	1	1	0	0	0	0	0	0	0	0	24	33	39
	12 PM	2	1	9	7	4	0	2	0	0	0	0	0	0	0	0	25	32	41
	13:00	1	1	5	14	7	1	1	0	0	0	0	0	0	0	0	30	33	37
	14:00	1	2	12	10	8	1	0	0	0	0	0	0	0	0	0	34	32	34
	15:00	1	2	6	15	9	1	1	0	0	0	0	0	0	0	0	35	33	36
	16:00	2	3	8	22	15	1	1	0	0	0	0	0	0	0	0	52	33	34
	17:00	3	1	11	11	6	5	0	0	0	0	0	0	0	0	0	37	34	38
	18:00	2	1	4	18	7	1	0	0	0	0	0	0	0	0	0	33	32	34
	19:00	1	4	10	5	2	0	0	0	0	0	0	0	0	0	0	22	28	32
	20:00	0	0	5	9	4	0	0	0	0	0	0	0	0	0	0	18	31	33
	21:00	0	1	4	3	0	0	0	0	0	0	0	0	0	0	0	8	28	29
	22:00	0	0	2	5	4	0	0	0	0	0	0	0	0	0	0	11	32	34
	23:00	0	3	1	4	5	0	0	0	0	0	0	0	0	0	0	13	33	34
	Total	20	23	112	204	104	21	8	0	0	0	0	0	0	0	0	492		
	Percent	4.1%	4.7%	22.8%	41.5%	21.1%	4.3%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	11:00	08:00	07:00	07:00	07:00	00:00										07:00		
Vol.	3	3	8	21	13	4	1										45		
PM Peak	17:00	19:00	14:00	16:00	16:00	17:00	12:00										16:00		
Vol.	3	4	12	22	15	5	2										52		
Grand Total	20	23	112	204	104	21	8	0	0	0	0	0	0	0	0	0	492		
Percent	4.1%	4.7%	22.8%	41.5%	21.1%	4.3%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
			15th Percentile :				21 MPH												
			50th Percentile :				27 MPH												
			85th Percentile :				32 MPH												
			95th Percentile :				36 MPH												
Statistics		10 MPH Pace Speed :				21-30 MPH													
		Number in Pace :				316													
		Percent in Pace :				64.2%													
		Number of Vehicles > 55 MPH :				0													
		Percent of Vehicles > 55 MPH :				0.0%													
		Mean Speed(Average) :				27 MPH													



Questions concerning this report call 503.742.4704
<http://www.clackamas.us/engineering/>

LOCATION : MONROE ST EAST OF LINWOOD
 COORDINATES : 45.4446 N, -122.5967 W
 WEATHER : MOSTLY CLOUDY ~ 45

Site: 13182939
 1/27/2015
 Tuesday

Daily Speed

mph	Combined Channels														Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200		
12:00 AM	13	0	0	2	6	3	2	0	0	0	0	0	0	0	0	29.3
1:00 AM	3	0	0	1	1	0	1	0	0	0	0	0	0	0	0	28.4
2:00 AM	9	0	1	1	6	1	0	0	0	0	0	0	0	0	0	26.1
3:00 AM	6	0	0	1	2	3	0	0	0	0	0	0	0	0	0	28.2
4:00 AM	4	0	0	1	2	0	1	0	0	0	0	0	0	0	0	28.6
5:00 AM	22	0	1	4	9	5	2	0	1	0	0	0	0	0	0	28.7
6:00 AM	58	0	1	16	18	18	4	1	0	0	0	0	0	0	0	28.4
7:00 AM	123	0	6	20	56	33	8	0	0	0	0	0	0	0	0	28.4
8:00 AM	88	1	7	13	49	15	3	0	0	0	0	0	0	0	0	26.9
9:00 AM	79	5	6	15	30	18	4	0	0	0	1	0	0	0	0	26.7
10:00 AM	79	2	4	23	35	13	1	0	0	0	0	0	0	0	1	26.6
11:00 AM	105	2	4	21	51	24	3	0	0	0	0	0	0	0	0	27.3
12:00 PM	156	4	4	41	66	33	7	1	0	0	0	0	0	0	0	27.1
1:00 PM	142	0	4	30	69	34	5	0	0	0	0	0	0	0	0	27.5
2:00 PM	179	1	4	35	91	45	3	0	0	0	0	0	0	0	0	27.6
3:00 PM	188	1	3	32	95	52	5	0	0	0	0	0	0	0	0	27.9
4:00 PM	199	3	10	49	88	38	11	0	0	0	0	0	0	0	0	26.9
5:00 PM	188	2	4	37	90	52	3	0	0	0	0	0	0	0	0	27.5
6:00 PM	142	0	5	33	69	33	2	0	0	0	0	0	0	0	0	27.3
7:00 PM	93	1	4	18	45	23	2	0	0	0	0	0	0	0	0	27.5
8:00 PM	66	0	1	21	34	9	1	0	0	0	0	0	0	0	0	26.8
9:00 PM	47	0	0	9	25	8	5	0	0	0	0	0	0	0	0	28.2
10:00 PM	31	0	0	4	16	9	0	2	0	0	0	0	0	0	0	28.7
11:00 PM	19	0	1	2	6	5	4	1	0	0	0	0	0	0	0	30.5
Total	2039	22	70	429	959	474	77	5	1	0	1	0	0	0	1	27.5
%		1.1	3.4	21.0	47.0	23.2	3.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Average (Mean)	27.5 mph	Minimum 10.3 mph			Maximum 84.6 mph			Pace Range 22.7 - 32.7 mph				1621 vehicles (79.5 %)				
Percentile Speeds		<u>10%</u>	<u>15%</u>	<u>50%</u>	<u>85%</u>	<u>90%</u>										
(mph)		22.4	23.3	27.4	31.6	32.7										
Speeds Exceeded		<u>25 mph</u>	<u>35 mph</u>	<u>45 mph</u>	<u>55 mph</u>	<u>65 mph</u>	<u>75 mph</u>									
		74.4 % (1518)	4.2 % (85)	0.1 % (3)	0.1 % (2)	0.0 % (1)	0.0 % (1)									

**All Traffic Data
15105 SE 17th St.
Vancouver, WA. 98683
503-833-2740**

Site Code: 1
SE Monroe St W-O SE 72nd Ave

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Classed	Total
04/30/15	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
01:00	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
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	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
05:00	0	5	2	0	1	0	0	0	0	0	0	0	0	0	8
06:00	0	13	4	2	2	0	0	0	0	0	0	0	0	0	21
07:00	0	37	5	4	6	1	0	0	0	0	0	0	0	1	54
08:00	0	42	12	3	6	0	0	0	0	0	0	0	0	0	63
09:00	0	32	8	0	0	0	0	0	0	0	0	0	0	1	41
10:00	0	28	3	0	4	0	0	0	0	0	0	0	0	0	35
11:00	1	30	9	1	6	0	0	1	0	0	0	0	0	2	50
12 PM	0	31	14	1	1	0	0	1	0	0	0	0	0	0	48
13:00	2	41	11	0	4	1	0	0	0	0	0	0	0	1	60
14:00	0	42	13	5	3	0	0	1	0	0	0	0	0	0	64
15:00	0	50	10	1	4	0	0	1	0	0	0	0	0	1	67
16:00	0	55	15	1	1	0	0	0	0	0	0	0	0	3	75
17:00	1	54	13	2	2	0	0	0	0	0	0	0	0	0	72
18:00	0	65	12	1	3	0	0	0	0	0	0	0	0	0	81
19:00	0	37	9	0	2	0	0	0	0	0	0	0	0	1	49
20:00	0	24	9	0	2	0	0	0	0	0	0	0	0	0	35
21:00	0	14	4	0	1	0	0	0	0	0	0	0	0	0	19
22:00	0	15	4	0	0	0	0	0	0	0	0	0	0	1	20
23:00	0	13	2	0	0	0	0	0	0	0	0	0	0	0	15
Total	4	636	161	21	48	2	0	4	0	0	0	0	0	11	887
Percent	0.5%	71.7%	18.2%	2.4%	5.4%	0.2%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	
AM Peak	11:00	08:00	08:00	07:00	07:00	07:00		11:00						11:00	
Vol.	1	42	12	4	6	1		1						2	
PM Peak	13:00	18:00	16:00	14:00	13:00	13:00		12:00						16:00	
Vol.	2	65	15	5	4	1		1						3	
Grand Total	4	636	161	21	48	2	0	4	0	0	0	0	0	11	887
Percent	0.5%	71.7%	18.2%	2.4%	5.4%	0.2%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	

All Traffic Data
15105 SE 17th St.
Vancouver, WA. 98683
503-833-2740

Site Code: 1
 SE Monroe St W-O SE 72nd Ave

EB	Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total	85th Percent	95th Percent
04/30/15	01:00	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	4	38	39
	02:00	0	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	0	*	*
	04:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	33	34
	05:00	0	0	1	4	0	3	0	0	0	0	0	0	0	0	0	8	38	39
	06:00	0	0	3	6	7	3	2	0	0	0	0	0	0	0	0	21	38	42
	07:00	2	0	6	22	20	3	1	0	0	0	0	0	0	0	0	54	33	37
	08:00	0	2	15	21	20	5	0	0	0	0	0	0	0	0	0	63	33	36
	09:00	1	0	3	19	13	5	0	0	0	0	0	0	0	0	0	41	34	37
	10:00	0	0	4	22	7	1	0	1	0	0	0	0	0	0	0	35	32	36
	11:00	3	3	9	20	12	3	0	0	0	0	0	0	0	0	0	50	33	35
	12 PM	0	0	10	18	14	5	1	0	0	0	0	0	0	0	0	48	34	38
	13:00	3	1	8	30	13	4	1	0	0	0	0	0	0	0	0	60	33	37
	14:00	1	0	8	34	16	5	0	0	0	0	0	0	0	0	0	64	33	36
	15:00	3	3	9	27	18	6	0	1	0	0	0	0	0	0	0	67	34	38
	16:00	3	0	0	25	34	13	0	0	0	0	0	0	0	0	0	75	35	38
	17:00	0	0	5	26	25	14	2	0	0	0	0	0	0	0	0	72	36	39
	18:00	2	0	7	31	36	4	1	0	0	0	0	0	0	0	0	81	34	36
	19:00	1	0	5	20	20	1	0	1	1	0	0	0	0	0	0	49	33	37
	20:00	0	0	6	12	11	4	2	0	0	0	0	0	0	0	0	35	35	40
	21:00	0	0	3	7	8	1	0	0	0	0	0	0	0	0	0	19	33	35
	22:00	1	0	1	8	10	0	0	0	0	0	0	0	0	0	0	20	33	34
	23:00	0	0	2	6	6	1	0	0	0	0	0	0	0	0	0	15	33	36
	Total	20	9	105	362	293	83	10	3	2	0	0	0	0	0	0	887		
	Percent	2.3%	1.0%	11.8%	40.8%	33.0%	9.4%	1.1%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	11:00	08:00	07:00	07:00	08:00	06:00	10:00	01:00								08:00		
Vol.	3	3	15	22	20	5	2	1	1								63		
PM Peak	13:00	15:00	12:00	14:00	18:00	17:00	17:00	15:00	19:00								18:00		
Vol.	3	3	10	34	36	14	2	1	1								81		
Grand Total	20	9	105	362	293	83	10	3	2	0	0	0	0	0	0	0	887		
Percent	2.3%	1.0%	11.8%	40.8%	33.0%	9.4%	1.1%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
			15th Percentile :	24 MPH															
			50th Percentile :	29 MPH															
			85th Percentile :	34 MPH															
			95th Percentile :	38 MPH															
Statistics		10 MPH Pace Speed :	26-35 MPH																
		Number in Pace :	655																
		Percent in Pace :	73.8%																
		Number of Vehicles > 55 MPH :	0																
		Percent of Vehicles > 55 MPH :	0.0%																
		Mean Speed(Average) :	30 MPH																



Questions concerning this report call 503.742.4704
<http://www.clackamas.us/engineering/>

LOCATION : THOMPSON WEST OF FULLER
 COORDINATES : 45.4434, -122.5816
 WEATHER : SUNNY ~ 55

Site: 13183105
 3/4/2015
 Wednesday

Daily Speed

mph	Combined Channels														Avg.
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200	
12:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00 PM	197	6	10	42	115	23	1	0	0	0	0	0	0	0	26.1
5:00 PM	247	5	7	71	126	38	0	0	0	0	0	0	0	0	26.2
6:00 PM	159	2	2	34	91	29	1	0	0	0	0	0	0	0	27.1
7:00 PM	88	0	3	20	49	14	2	0	0	0	0	0	0	0	27.1
8:00 PM	80	3	1	21	41	13	1	0	0	0	0	0	0	0	26.4
9:00 PM	69	1	5	19	33	11	0	0	0	0	0	0	0	0	25.9
10:00 PM	23	1	0	4	13	5	0	0	0	0	0	0	0	0	26.6
11:00 PM	28	0	2	8	14	4	0	0	0	0	0	0	0	0	25.7
Total	891	18	30	219	482	137	5	0	0	0	0	0	0	0	26.4
%		2.0	3.4	24.6	54.1	15.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Average (Mean)	26.4 mph	Minimum 11.2 mph			Maximum 36.6 mph			Pace Range 22.0 - 32.0 mph				765 vehicles (85.9 %)			
Percentile Speeds		<u>10%</u>	<u>15%</u>	<u>50%</u>	<u>85%</u>	<u>90%</u>									
	(mph)	22.2	23.0	26.8	30.1	30.8									
Speeds Exceeded		<u>25 mph</u>	<u>35 mph</u>	<u>45 mph</u>	<u>55 mph</u>	<u>65 mph</u>	<u>75 mph</u>								
		70.0 % (624)	0.6 % (5)	0 % (0)	0 % (0)	0 % (0)	0 % (0)								

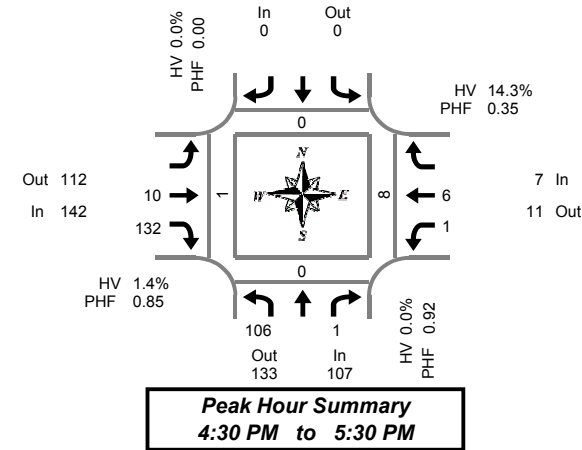
Additional Surveys for Monroe Street and Maplehurst Road

Total Vehicle Summary



SE 72nd Ave & SE Monroe St

Tuesday, September 15, 2015
4:00 PM to 6:00 PM



15-Minute Interval Summary 4:00 PM to 6:00 PM

Interval Start Time	Northbound SE 72nd Ave			Southbound SE 72nd Ave			Eastbound SE Monroe St			Westbound SE Monroe St			Interval Total	Pedestrians Crosswalk			
	L	R	Bikes	In	Out	Total	T	R	Bikes	L	T	Bikes		North	South	East	West
4:00 PM	26	0	0	0	0	0	0	16	0	0	2	0	44	0	0	0	0
4:15 PM	24	0	1	0	0	0	2	22	0	0	3	0	51	0	0	0	1
4:30 PM	29	0	0	0	0	0	4	31	0	0	1	0	65	0	0	0	0
4:45 PM	27	1	0	0	0	0	2	40	0	1	4	0	75	0	0	7	1
5:00 PM	24	0	0	0	0	0	3	27	0	0	1	0	55	0	0	1	0
5:15 PM	26	0	1	0	0	0	1	34	0	0	0	0	61	0	0	0	0
5:30 PM	27	0	2	0	0	0	3	22	0	0	2	0	54	0	0	0	0
5:45 PM	23	0	0	0	0	0	2	39	0	2	2	0	68	0	0	1	6
Total Survey	206	1	4	0	0	0	17	231	0	3	15	0	473	0	0	9	8

Peak Hour Summary 4:30 PM to 5:30 PM

By Approach	Northbound SE 72nd Ave				Southbound SE 72nd Ave				Eastbound SE Monroe St				Westbound SE Monroe St				Total	Pedestrians Crosswalk			
	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes		North	South	East	West
Volume	107	133	240	1	0	0	0	0	142	112	254	0	7	11	18	0	256	0	0	2	0
%HV	0.0%				0.0%				1.4%				14.3%				1.2%				
PHF	0.92				0.00				0.85				0.35				0.85				

By Movement	Northbound SE 72nd Ave			Southbound SE 72nd Ave			Eastbound SE Monroe St			Westbound SE Monroe St			Total		
	L	R	Total	In	Out	Total	T	R	Total	L	T	Total			
Volume	106	1	107	0	0	0	10	132	142	1	6	7	256		
%HV	0.0%	NA	0.0%	NA	NA	NA	0.0%	10.0%	0.8%	1.4%	0.0%	16.7%	NA	14.3%	1.2%
PHF	0.91	0.25	0.92	0.00	0.00	0.00	0.63	0.83	0.85	0.25	0.38	0.35	0.85		

Rolling Hour Summary 4:00 PM to 6:00 PM

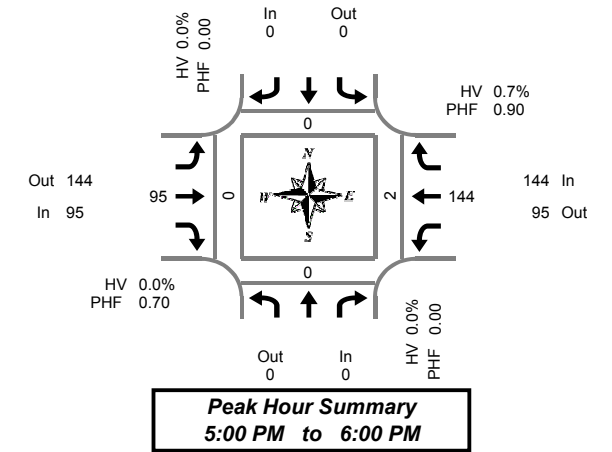
Interval Start Time	Northbound SE 72nd Ave			Southbound SE 72nd Ave			Eastbound SE Monroe St			Westbound SE Monroe St			Interval Total	Pedestrians Crosswalk			
	L	R	Bikes	In	Out	Total	T	R	Bikes	L	T	Bikes		North	South	East	West
4:00 PM	106	1	1	0	0	0	8	109	0	1	10	0	235	0	0	7	2
4:15 PM	104	1	1	0	0	0	11	120	0	1	9	0	246	0	0	8	2
4:30 PM	106	1	1	0	0	0	10	132	0	1	6	0	256	0	0	8	1
4:45 PM	104	1	3	0	0	0	9	123	0	1	7	0	245	0	0	8	1
5:00 PM	100	0	3	0	0	0	9	122	0	2	5	0	238	0	0	2	6

Total Vehicle Summary



SE 74th Ave & SE Thompson Rd

Tuesday, September 15, 2015
4:00 PM to 6:00 PM



15-Minute Interval Summary 4:00 PM to 6:00 PM

Interval Start Time	Northbound SE 74th Ave			Southbound SE 74th Ave			Eastbound SE Thompson Rd			Westbound SE Thompson Rd			Interval Total	Pedestrians Crosswalk							
	L	R	Bikes	In	Out	Total	T	R	Bikes	In	Out	Total		North	South	East	West				
4:00 PM			0			0			18		0		28		0		46	0	0	0	0
4:15 PM			0			0			22		0		24		0		46	0	0	0	0
4:30 PM			0			0			28		0		30		0		58	0	0	0	0
4:45 PM			0			0			25		0		30		0		55	0	0	0	0
5:00 PM			0			0			22		0		32		0		54	0	0	0	0
5:15 PM			0			0			34		0		33		1		67	0	0	1	0
5:30 PM			0			0			19		0		39		1		58	0	0	0	0
5:45 PM			0			0			20		0		40		0		60	0	0	1	0
Total Survey			0			0			188		0		256		2		444	0	0	2	0

Peak Hour Summary 5:00 PM to 6:00 PM

By Approach	Northbound SE 74th Ave				Southbound SE 74th Ave				Eastbound SE Thompson Rd				Westbound SE Thompson Rd				Total	Pedestrians Crosswalk			
	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes		North	South	East	West
Volume	0	0	0	0	0	0	0	0	95	144	239	0	144	95	239	2	239	0	0	2	0
%HV	0.0%				0.0%				0.0%				0.7%				0.4%				
PHF	0.00				0.00				0.70				0.90				0.89				

By Movement	Northbound SE 74th Ave			Southbound SE 74th Ave			Eastbound SE Thompson Rd			Westbound SE Thompson Rd			Total		
	In	Out	Total	In	Out	Total	T	R	Total	T	R	Total			
Volume	0	0	0	0	0	0	95	144	239	144	95	239			
%HV	NA	NA	NA	0.0%	NA	NA	NA	0.0%	NA	0.0%	NA	0.7%	NA	0.7%	0.4%
PHF			0.00			0.00	0.70	0.70	0.90	0.90	0.89				

Rolling Hour Summary 4:00 PM to 6:00 PM

Interval Start Time	Northbound SE 74th Ave			Southbound SE 74th Ave			Eastbound SE Thompson Rd			Westbound SE Thompson Rd			Interval Total	Pedestrians Crosswalk							
	L	R	Bikes	In	Out	Total	T	R	Bikes	In	Out	Total		North	South	East	West				
4:00 PM			0			0			93		0		112		0		205	0	0	0	0
4:15 PM			0			0			97		0		116		0		213	0	0	0	0
4:30 PM			0			0			109		0		125		1		234	0	0	1	0
4:45 PM			0			0			100		0		134		2		234	0	0	1	0
5:00 PM			0			0			95		0		144		2		239	0	0	2	0

Total Vehicle Summary



SE 77th Ave & SE Monroe St

Tuesday, September 15, 2015
4:00 PM to 6:00 PM

**15-Minute Interval Summary
4:00 PM to 6:00 PM**

Interval Start Time	Northbound SE 77th Ave				Southbound SE 77th Ave				Eastbound SE Monroe St				Westbound SE Monroe St				Interval Total	Pedestrians Crosswalk			
	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes		North	South	East	West
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
4:15 PM	0	0	0	0	0	0	0	0	2	0	2	0	4	0	0	0	0	0	0	0	
4:30 PM	0	0	0	0	0	0	0	1	0	1	0	2	0	0	0	0	0	0	0	0	
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	
5:00 PM	0	0	0	0	0	0	0	2	0	2	0	1	0	3	0	0	0	0	0	0	
5:15 PM	0	0	0	0	0	0	0	1	0	1	0	3	0	4	0	0	0	0	0	0	
5:30 PM	0	0	0	0	0	0	0	2	0	2	0	3	0	5	0	0	0	0	0	0	
5:45 PM	0	0	0	0	0	0	0	1	0	1	0	1	0	2	0	0	0	0	0	0	
Total Survey	0	0	0	0	0	0	0	9	0	9	0	14	0	23	0	0	0	0	0	0	

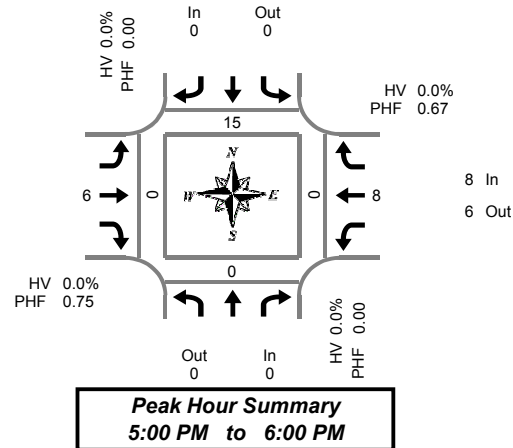
**Peak Hour Summary
5:00 PM to 6:00 PM**

By Approach	Northbound SE 77th Ave				Southbound SE 77th Ave				Eastbound SE Monroe St				Westbound SE Monroe St				Total	Pedestrians Crosswalk			
	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes		North	South	East	West
Volume	0	0	0	0	0	0	0	3	6	8	14	0	8	6	14	0	14	0	0	0	
%HV	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
PHF	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.67	0.00	0.00	0.00	0.70	0.00	0.70	0.00	0.00	0.00	

By Movement	Northbound SE 77th Ave				Southbound SE 77th Ave				Eastbound SE Monroe St				Westbound SE Monroe St				Total			
	L	T	Total	Bikes	L	T	Total	Bikes	L	T	Total	Bikes	L	T	Total	Bikes				
Volume	0	0	0	0	0	0	0	0	6	8	14	0	8	6	14	0	14	0	0	0
%HV	NA	NA	NA	0.0%	NA	NA	NA	0.0%	NA	0.0%	NA	0.0%	NA	0.0%	NA	0.0%	0.0%	0.0%	0.0%	0.0%
PHF	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.67	0.00	0.00	0.00	0.70	0.00	0.70	0.00	0.00	0.00

**Rolling Hour Summary
4:00 PM to 6:00 PM**

Interval Start Time	Northbound SE 77th Ave				Southbound SE 77th Ave				Eastbound SE Monroe St				Westbound SE Monroe St				Interval Total	Pedestrians Crosswalk			
	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes		North	South	East	West
4:00 PM	0	0	0	0	0	0	0	0	3	0	3	0	6	0	6	0	9	0	0	0	
4:15 PM	0	0	0	0	0	0	0	0	5	0	5	0	5	0	10	0	10	0	0	0	
4:30 PM	0	0	0	0	0	0	0	0	4	0	4	0	6	0	10	0	10	0	0	0	
4:45 PM	0	0	0	0	0	0	0	0	5	0	5	0	8	0	13	0	13	0	0	0	
5:00 PM	0	0	0	0	0	0	0	0	6	0	6	0	8	0	14	0	14	0	0	0	



Total Vehicle Summary



SE Maplehurst Rd & SE Charles St

Tuesday, September 15, 2015
4:00 PM to 6:00 PM

**15-Minute Interval Summary
4:00 PM to 6:00 PM**

Interval Start Time	Northbound SE Maplehurst Rd				Southbound SE Maplehurst Rd				Eastbound SE Charles St				Westbound SE Charles St				Interval Total	Pedestrians Crosswalk			
	L	T	Total	Bikes	L	T	Total	Bikes	L	T	Total	Bikes	L	T	Total	Bikes		North	South	East	West
4:00 PM	0	15	15	0	6	1	7	0	0	0	0	0	0	0	0	22	0	0	0	0	
4:15 PM	0	14	14	0	8	1	9	0	0	0	0	0	0	0	0	23	0	0	0	0	
4:30 PM	0	5	5	0	9	2	11	0	1	0	1	0	0	0	0	17	0	0	0	0	
4:45 PM	0	8	8	0	13	0	13	0	0	0	0	0	0	0	0	21	0	0	0	0	
5:00 PM	0	15	15	0	16	2	18	0	1	0	1	0	0	0	0	34	0	0	0	2	
5:15 PM	1	10	11	0	14	0	14	0	2	0	2	0	0	0	0	25	0	0	0	3	
5:30 PM	0	9	9	0	10	1	11	1	1	0	2	0	0	0	0	21	0	0	0	0	
5:45 PM	0	17	17	0	10	0	10	0	0	0	0	0	0	0	0	27	0	0	0	0	
Total Survey	1	93	94	0	86	7	93	3	3	0	3	0	0	0	0	190	0	0	0	5	

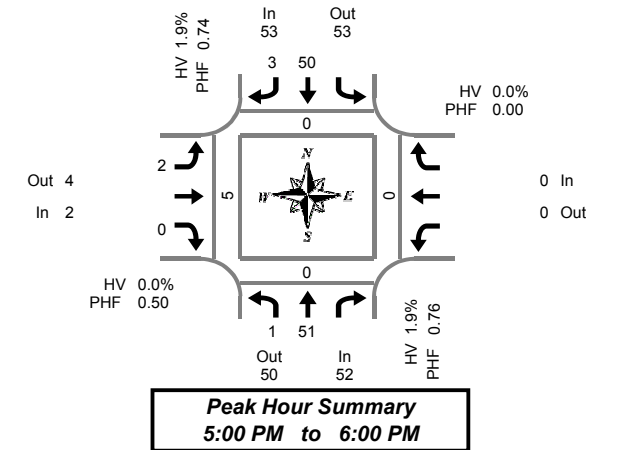
**Peak Hour Summary
5:00 PM to 6:00 PM**

By Approach	Northbound SE Maplehurst Rd				Southbound SE Maplehurst Rd				Eastbound SE Charles St				Westbound SE Charles St				Total	Pedestrians Crosswalk			
	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes		North	South	East	West
Volume	52	50	102	0	53	53	106	3	2	4	6	0	0	0	0	107	0	0	0	5	
%HV	1.9%	1.9%	1.9%	0.0%	1.9%	1.9%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	
PHF	0.76	0.74	0.75	0.00	0.74	0.38	0.74	0.50	0.00	0.50	0.00	0.00	0.00	0.00	0.79	0.00	0.00	0.00	0.00		

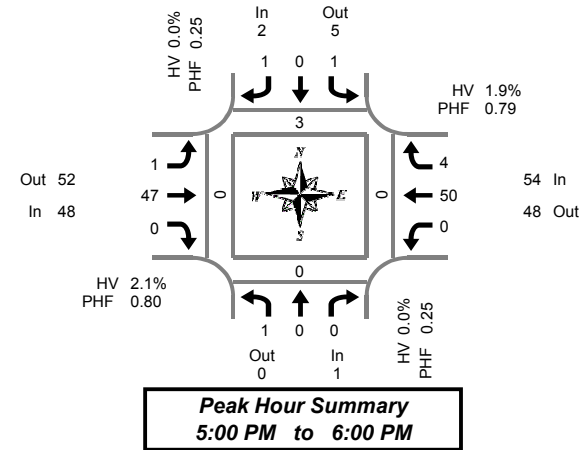
By Movement	Northbound SE Maplehurst Rd				Southbound SE Maplehurst Rd				Eastbound SE Charles St				Westbound SE Charles St				Total			
	L	T	Total	Bikes	L	T	Total	Bikes	L	T	Total	Bikes	L	T	Total	Bikes				
Volume	1	51	52	0	50	3	53	3	2	4	6	0	0	0	0	107	0	0	0	5
%HV	0.0%	2.0%	1.9%	0.0%	2.0%	0.0%	1.9%	0.0%	0.0%	NA	0.0%	0.0%	NA	NA	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%
PHF	0.25	0.75	0.76	0.00	0.78	0.38	0.74	0.50	0.00	0.00	0.50	0.00	0.00	0.00	0.79	0.00	0.00	0.00	0.00	0.00

**Rolling Hour Summary
4:00 PM to 6:00 PM**

Interval Start Time	Northbound SE Maplehurst Rd				Southbound SE Maplehurst Rd				Eastbound SE Charles St				Westbound SE Charles St				Interval Total	Pedestrians Crosswalk			
	L	T	Total	Bikes	L	T	Total	Bikes	L	T	Total	Bikes	L	T	Total	Bikes		North	South	East	West
4:00 PM	0	42	42	0	36	4	40	0	1	0	1	0	0	0	0	83	0	0	0	0	
4:15 PM	0	42	42	0	46	5	51	0	2	0	2	0	0	0	0	95	0	0	0	2	
4:30 PM	1	38	39	0	52	4	56	2	2	0	2	0	0	0	0	97	0	0	0	5	
4:45 PM	1	42	43	0	53	3	56	3	2	0	2	0	0	0	0	101	0	0	0	5	
5:00 PM	1	51	52	0	50	3	53	3	2	0	2	0	0	0	0	107	0	0	0	5	



Total Vehicle Summary



SE Norbert Dr & SE Maplehurst Rd

Tuesday, September 15, 2015

4:00 PM to 6:00 PM

15-Minute Interval Summary

4:00 PM to 6:00 PM

Interval Start Time	Northbound SE Norbert Dr				Southbound SE Norbert Dr				Eastbound SE Maplehurst Rd				Westbound SE Maplehurst Rd				Interval Total	Pedestrians Crosswalk			
	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes		North	South	East	West
4:00 PM	0	0	0	0	0	0	1	0	0	8	0	0	0	12	1	0	22	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	8	0	0	0	14	0	0	22	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	1	8	0	0	0	6	0	0	15	0	2	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	12	0	0	0	8	1	0	21	7	4	3	0
5:00 PM	1	0	0	0	0	0	0	1	0	14	0	0	0	13	3	0	31	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	15	0	2	0	11	0	0	26	3	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	8	0	1	0	9	1	0	18	0	0	0	0
5:45 PM	0	0	0	0	1	0	1	0	1	10	0	0	0	17	0	0	30	0	0	0	0
Total Survey	1	0	0	0	1	0	2	1	2	83	0	3	0	90	6	0	185	10	6	3	0

Peak Hour Summary

5:00 PM to 6:00 PM

By Approach	Northbound SE Norbert Dr				Southbound SE Norbert Dr				Eastbound SE Maplehurst Rd				Westbound SE Maplehurst Rd				Total	Pedestrians Crosswalk			
	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes	In	Out	Total	Bikes		North	South	East	West
Volume	1	0	1	0	2	5	7	1	48	52	100	3	54	48	102	0	105	3	0	0	0
%HV	0.0%				0.0%				2.1%				1.9%				1.9%				
PHF	0.25				0.25				0.80				0.79				0.85				

By Movement	Northbound SE Norbert Dr				Southbound SE Norbert Dr				Eastbound SE Maplehurst Rd				Westbound SE Maplehurst Rd				Total
	L	T	R	Total	L	T	R	Total	L	T	R	Total	L	T	R	Total	
Volume	1	0	0	1	1	0	1	2	1	47	0	48	0	50	4	54	105
%HV	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	0.0%	2.1%	0.0%	2.0%	0.0%	1.9%	1.9%
PHF	0.25	0.00	0.00	0.25	0.25	0.00	0.25	0.25	0.25	0.78	0.00	0.80	0.00	0.74	0.33	0.79	0.85

Rolling Hour Summary

4:00 PM to 6:00 PM

Interval Start Time	Northbound SE Norbert Dr				Southbound SE Norbert Dr				Eastbound SE Maplehurst Rd				Westbound SE Maplehurst Rd				Interval Total	Pedestrians Crosswalk			
	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes	L	T	R	Bikes		North	South	East	West
4:00 PM	0	0	0	0	0	0	1	0	1	36	0	0	0	40	2	0	80	7	6	3	0
4:15 PM	1	0	0	0	0	0	0	1	1	42	0	0	0	41	4	0	89	7	6	3	0
4:30 PM	1	0	0	0	0	0	0	1	1	49	0	2	0	38	4	0	93	10	6	3	0
4:45 PM	1	0	0	0	0	0	0	1	0	49	0	3	0	41	5	0	96	10	4	3	0
5:00 PM	1	0	0	0	1	0	1	1	1	47	0	3	0	50	4	0	105	3	0	0	0

**All Traffic Data
15105 SE 17th St.
Vancouver, WA. 98683
503-833-2740**

Page 1

Site Code: 1
SE Maplehurst Rd N-O SE Charles St

NB	Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total	85th Percent	95th Percent
09/15/15		0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3	28	29
01:00		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	34	34
02:00		0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	29	29
03:00		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	24	24
04:00		0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	28	29
05:00		0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	29	29
06:00		1	1	8	5	0	0	0	0	0	0	0	0	0	0	0	15	27	29
07:00		0	5	18	6	0	0	0	0	0	0	0	0	0	0	0	29	26	28
08:00		1	11	13	2	0	0	0	0	0	0	0	0	0	0	0	27	24	26
09:00		0	16	6	5	0	0	0	0	0	0	0	0	0	0	0	27	25	28
10:00		3	9	12	6	1	0	0	0	0	0	0	0	0	0	0	31	26	29
11:00		2	9	13	7	1	0	0	0	0	0	0	0	0	0	0	32	27	29
12 PM		0	7	16	4	0	0	0	0	0	0	0	0	0	0	0	27	24	28
13:00		3	12	12	9	1	0	0	0	0	0	0	0	0	0	0	37	27	29
14:00		5	16	20	12	1	0	0	0	0	0	0	0	0	0	0	54	27	29
15:00		2	16	23	12	2	0	0	0	0	0	0	0	0	0	0	55	27	29
16:00		2	7	22	11	0	0	0	0	0	0	0	0	0	0	0	42	27	29
17:00		1	16	30	4	0	1	0	0	0	0	0	0	0	0	0	52	24	28
18:00		2	3	21	10	1	0	0	0	0	0	0	0	0	0	0	37	27	29
19:00		0	6	17	4	1	0	0	0	0	0	0	0	0	0	0	28	26	29
20:00		1	4	19	2	0	0	0	0	0	0	0	0	0	0	0	26	24	26
21:00		1	1	12	3	0	0	0	0	0	0	0	0	0	0	0	17	25	28
22:00		0	0	6	1	0	0	0	0	0	0	0	0	0	0	0	7	24	28
23:00		0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4	28	29
Total		24	140	272	112	9	1	0	0	0	0	0	0	0	0	0	558		
Percent		4.3%	25.1%	48.7%	20.1%	1.6%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	09:00	07:00	11:00	01:00													11:00	
Vol.	3	16	18	7	1													32	
PM Peak	14:00	14:00	17:00	14:00	15:00	17:00												15:00	
Vol.	5	16	30	12	2	1												55	
Grand Total		24	140	272	112	9	1	0	0	0	0	0	0	0	0	0	558		
Percent		4.3%	25.1%	48.7%	20.1%	1.6%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
				15th Percentile :		17 MPH													
				50th Percentile :		22 MPH													
				85th Percentile :		26 MPH													
				95th Percentile :		29 MPH													
Statistics		10 MPH Pace Speed :		16-25 MPH															
		Number in Pace :		412															
		Percent in Pace :		73.8%															
		Number of Vehicles > 55 MPH :		0															
		Percent of Vehicles > 55 MPH :		0.0%															
		Mean Speed(Average) :		22 MPH															

**All Traffic Data
15105 SE 17th St.
Vancouver, WA. 98683
503-833-2740**

Site Code: 1
SE Maplehurst Rd W-O SE Norbert Dr

EB	Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	85th Percent	95th Percent
09/15/15		0	0	0	1	1	1	0	0	0	0	0	0	0	0	3	37	39
01:00		0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	38	39
02:00		0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	29	29
03:00		0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	24	24
04:00		0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	24	24
05:00		1	0	1	2	1	0	0	0	0	0	0	0	0	0	5	31	33
06:00		3	3	7	3	0	0	0	0	0	0	0	0	0	0	16	26	28
07:00		4	3	18	24	4	0	0	0	0	0	0	0	0	0	53	29	31
08:00		0	2	10	12	2	1	0	0	0	0	0	0	0	0	27	29	34
09:00		6	8	11	8	2	0	0	0	0	0	0	0	0	0	35	27	30
10:00		2	5	10	9	0	0	0	0	0	0	0	0	0	0	26	27	29
11:00		3	3	16	10	1	0	0	0	0	0	0	0	0	0	33	28	29
12 PM		0	3	9	10	1	0	0	0	0	0	0	0	0	0	23	28	29
13:00		2	5	20	5	3	0	1	0	0	0	0	0	0	0	36	28	33
14:00		5	4	18	14	2	0	0	0	0	0	0	0	0	0	43	28	29
15:00		2	4	16	24	7	0	0	0	0	0	0	0	0	0	53	29	33
16:00		0	9	17	6	3	1	0	0	0	0	0	0	0	0	36	28	33
17:00		5	5	15	21	3	0	0	0	0	0	0	0	0	0	49	28	30
18:00		0	9	14	15	2	0	0	0	0	0	0	0	0	0	40	28	30
19:00		1	7	8	5	2	0	0	0	0	0	0	0	0	0	23	28	32
20:00		3	2	5	6	1	0	0	0	0	0	0	0	0	0	17	28	30
21:00		0	0	2	5	1	0	0	0	0	0	0	0	0	0	8	29	32
22:00		0	2	3	2	0	0	0	0	0	0	0	0	0	0	7	27	29
23:00		0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	28	29
Total		37	74	203	185	36	4	1	0	0	0	0	0	0	0	540		
Percent		6.9%	13.7%	37.6%	34.3%	6.7%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	09:00	07:00	07:00	07:00	00:00										07:00		
Vol.	6	8	18	24	4	1										53		
PM Peak	14:00	16:00	13:00	15:00	15:00	16:00	13:00									15:00		
Vol.	5	9	20	24	7	1	1									53		
Grand Total		37	74	203	185	36	4	1	0	0	0	0	0	0	0	540		
Percent		6.9%	13.7%	37.6%	34.3%	6.7%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
				15th Percentile :	17 MPH													
				50th Percentile :	23 MPH													
				85th Percentile :	28 MPH													
				95th Percentile :	31 MPH													
Statistics		10 MPH Pace Speed :	21-30 MPH															
		Number in Pace :	388															
		Percent in Pace :	71.9%															
		Number of Vehicles > 55 MPH :	0															
		Percent of Vehicles > 55 MPH :	0.0%															
		Mean Speed(Average) :	24 MPH															

**All Traffic Data
15105 SE 17th St.
Vancouver, WA. 98683
503-833-2740**

Site Code: 1
SE Monroe St W-O SE 77th Ave

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	85th Percent	95th Percent
09/15/15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	29	29
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
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	0	0	0	0	0	0	0	0	0	0	0	0	2	12	14
07:00	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4	23	24
08:00	6	1	0	0	0	0	0	0	0	0	0	0	0	0	7	14	18
09:00	6	2	1	0	0	0	0	0	0	0	0	0	0	0	9	19	22
10:00	3	1	0	0	0	0	0	0	0	0	0	0	0	0	4	17	19
11:00	1	2	0	2	0	0	0	0	0	0	0	0	0	0	5	28	29
12 PM	4	0	3	0	0	0	0	0	0	0	0	0	0	0	7	23	24
13:00	5	1	0	0	0	0	0	0	0	0	0	0	0	0	6	15	18
14:00	3	1	1	0	0	0	0	0	0	0	0	0	0	0	5	21	23
15:00	5	2	1	0	0	0	0	0	0	0	0	0	0	0	8	19	22
16:00	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3	18	19
17:00	2	1	3	0	0	0	0	0	0	0	0	0	0	0	6	23	24
18:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	19	19
19:00	3	3	0	0	0	0	0	0	0	0	0	0	0	0	6	18	19
20:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	19	19
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
22:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	12	14
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total	44	23	11	3	0	0	0	0	0	0	0	0	0	0	81		
Percent	54.3%	28.4%	13.6%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	09:00	07:00	11:00											09:00		
Vol.	6	2	2	2											9		
PM Peak	13:00	18:00	12:00												15:00		
Vol.	5	3	3												8		
Grand Total	44	23	11	3	0	0	0	0	0	0	0	0	0	0	81		
Percent	54.3%	28.4%	13.6%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
			15th Percentile :	4 MPH													
			50th Percentile :	13 MPH													
			85th Percentile :	20 MPH													
			95th Percentile :	24 MPH													
Statistics	10 MPH Pace Speed :	11-20 MPH															
	Number in Pace :	38															
	Percent in Pace :	46.9%															
	Number of Vehicles > 55 MPH :	0															
	Percent of Vehicles > 55 MPH :	0.0%															
	Mean Speed(Average) :	14 MPH															

**All Traffic Data
15105 SE 17th St.
Vancouver, WA. 98683
503-833-2740**

Site Code: 1
SE Thompson Rd W-O SE 74th Ave

EB	Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	85th Percent	95th Percent
09/15/15		0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	33	34
01:00		0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	39	39
02:00		0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	28	29
03:00		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00		0	0	2	2	2	2	0	0	0	0	0	0	0	0	8	37	39
05:00		0	0	4	3	1	0	0	0	0	0	0	0	0	0	8	29	32
06:00		0	2	9	4	3	0	0	0	0	0	0	0	0	0	18	30	33
07:00		9	27	14	6	3	0	0	0	0	0	0	0	0	0	59	25	30
08:00		31	22	6	3	0	0	0	0	0	0	0	0	0	0	62	19	24
09:00		3	16	11	0	1	0	0	0	0	0	0	0	0	0	31	23	24
10:00		7	18	12	1	0	0	0	0	0	0	0	0	0	0	38	23	24
11:00		7	22	13	4	0	0	0	0	0	0	0	0	0	0	46	23	27
12 PM		8	13	13	4	0	0	0	0	0	0	0	0	0	0	38	24	27
13:00		8	27	12	6	0	0	0	0	0	0	0	0	0	0	53	24	27
14:00		47	36	11	1	0	0	0	0	0	0	0	0	0	0	95	19	23
15:00		10	31	24	9	3	0	0	0	0	0	0	0	0	0	77	25	29
16:00		7	29	42	12	3	0	0	0	0	0	0	0	0	0	93	25	29
17:00		8	21	50	15	0	0	0	0	0	0	0	0	0	0	94	25	28
18:00		3	11	28	17	2	0	0	0	0	0	0	0	0	0	61	27	29
19:00		3	4	20	9	0	0	0	0	0	0	0	0	0	0	36	26	29
20:00		0	3	16	7	1	0	0	0	0	0	0	0	0	0	27	27	29
21:00		1	2	9	6	0	0	0	0	0	0	0	0	0	0	18	27	29
22:00		0	0	4	6	0	0	0	0	0	0	0	0	0	0	10	28	29
23:00		0	1	7	5	0	0	0	0	0	0	0	0	0	0	13	28	29
Total		152	286	307	122	20	3	0	0	0	0	0	0	0	0	890		
Percent		17.1%	32.1%	34.5%	13.7%	2.2%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	07:00	07:00	07:00	06:00	04:00										08:00		
Vol.	31	27	14	6	3	2										62		
PM Peak	14:00	14:00	17:00	18:00	15:00											14:00		
Vol.	47	36	50	17	3											95		
Grand Total		152	286	307	122	20	3	0	0	0	0	0	0	0	0	890		
Percent		17.1%	32.1%	34.5%	13.7%	2.2%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
				15th Percentile :	13 MPH													
				50th Percentile :	20 MPH													
				85th Percentile :	25 MPH													
				95th Percentile :	29 MPH													
Statistics		10 MPH Pace Speed :	16-25 MPH															
		Number in Pace :	593															
		Percent in Pace :	66.6%															
		Number of Vehicles > 55 MPH :	0															
		Percent of Vehicles > 55 MPH :	0.0%															
		Mean Speed(Average) :	20 MPH															