

Roadway Survey Field Sheet

TS Project # _____ Map _____ Grid _____ Start Time 12:20 # Of Days 3

Location: NE 112TH @ NE 18TH ST
AVE City: VANCOUVER

Location ID: # 74

Type Of Survey:
 Volume
 Speed
 Classification

Start Date: 3/24/14 Counters 7
 S M T W T F S
 End Date: 3/26/14 Tubes 8
 S M T W T F S

SITE EVALUATION			POSTED SPEED		DWELL TIME							
Vehicles Crossing Tube Perpendicular	YES <input type="checkbox"/>	NO <input type="checkbox"/>	???	<input type="checkbox"/> None	<input type="checkbox"/> 40 Mph	LOWEST SPEED		HIGHEST SPEED			(TAD, TBD)	
Do You Anticipate Queuing Across Tube	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 25 Mph	<input type="checkbox"/> 45 Mph	MPH	10-20	15-30	25-40	35-45	> 45	
Speed Greater Than 20 Miles / Hour	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 30 Mph	<input type="checkbox"/> 50 Mph	Standing Queue	200	130	100	80	40	<input checked="" type="checkbox"/> A
Tube Crosses More Than 2 Lanes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 35 Mph	<input type="checkbox"/> 55 Mph	5 - 10 MPH	130	90	70	60	40	<input type="checkbox"/> B
SPEED: High _____ Mph Low _____ Mph				<input type="checkbox"/> Other: _____		Use 2 Counters if Traffic Conditions are different in each direction.						DWELL (TAD, TBD) <u>70-60</u> <input checked="" type="checkbox"/> M <input type="checkbox"/> D

AXLE STRIKE COUNT	SYSTEM DELAY LOGIC	SPEED LOW VOL	VEHICLE SPEED / CLASSIFICATION		
<input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> D <input checked="" type="checkbox"/> A <input checked="" type="checkbox"/> B	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> B	<input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> B	<input checked="" type="checkbox"/> G	<input checked="" type="checkbox"/> L
<input type="checkbox"/> Tube equal length <input type="checkbox"/> Use proper spacing <input type="checkbox"/> One Lane only except Low Volume Speed Surveys ADT 2,000					

COUNTER / SET DOWN

Type: ANALOG

No. A74, A82, T6, B6

Box: A34, A80

Tube Length: 40'

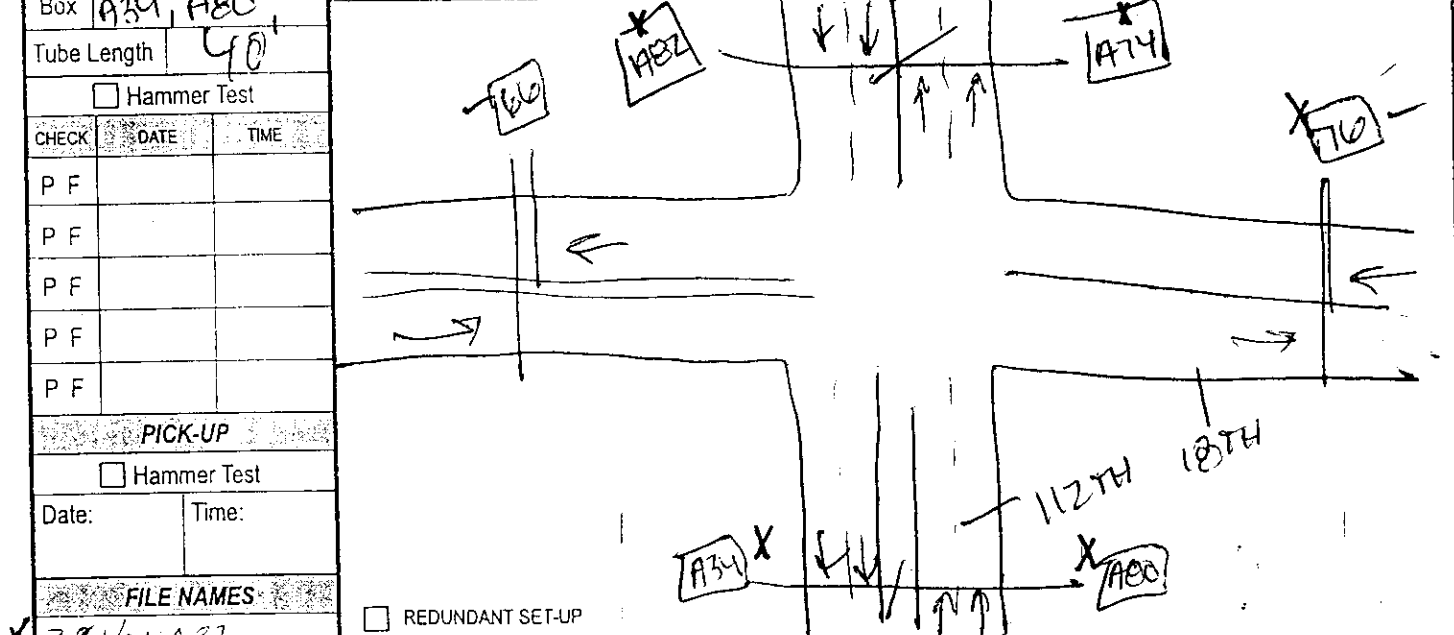
Hammer Test

DIRECTION: East Bound West Bound North Bound South Bound Approach

COMBINED: East / West North / South DRWY: Combined In-Bound Out-Bound

ROAD: Dry Wet Asphalt Concrete Broken Rutted Curved

NORTH
 NORTH IS UP



PICK-UP

Hammer Test

Date: _____ Time: _____

FILE NAMES

REDUNDANT SET-UP

Remarks: WEATHER: Sunny Overcast Rain Snow

Surveyed By: M

TRAFFIC SMITHY
 1225 NW Murray Blvd. Suite 111
 Portland, OR 97229
 Phone: 503/641-6333 - Fax: 503/643-8866

- 152 ✓ 26 VAN A 32
- 153 ✓ 26 VAN A 32
- 154 ✓ 26 VAN A 32
- 155 ✓ 26 VAN A 32
- 156 ✓ 26 VAN A 32
- 157 ✓ 26 VAN A 32
- 158 ✓ 26 VAN A 32
- 159 ✓ 26 VAN A 32
- 160 ✓ 26 VAN A 32

TRAFFIC SMITHY, INC

1225 NW MURRAY BLVD

PORTLAND, OR 97209

Phone: 503-641-6333 Fax: 503-643-8866

Roadway: NE 112TH AVENUE

Location: NORTH OF NE 18TH STREET

Date: 03/25/04

Day of Week: Thursday

SB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	3	7	9	7	10	9	4	7	1	4	2	1	64
01:00	8	1	4	6	3	4	3	6	3	2	6	7	53
02:00	2	9	1	3	4	2	7	4	5	3	2	11	53
03:00	5	9	8	5	3	5	8	4	5	3	4	7	66
04:00	6	4	4	4	20	12	6	8	6	17	10	18	115
05:00	19	24	16	24	25	30	34	31	25	29	58	37	352
06:00	39	49	35	47	53	58	54	53	44	67	53	68	620
07:00	76	63	54	65	68	66	69	64	59	50	52	59	745
08:00	55	52	52	55	63	51	63	68	52	52	48	48	659
09:00	63	48	48	47	54	46	46	44	46	43	42	35	562
10:00	37	49	44	51	38	43	52	45	70	39	49	54	571
11:00	56	47	70	47	61	46	63	48	62	62	64	61	687
12:00	56	64	57	47	59	45	73	51	59	81	47	51	690
13:00	55	47	46	68	53	78	61	41	66	49	47	60	671
14:00	49	64	61	51	60	85	62	54	56	69	50	58	719
15:00	56	86	60	69	83	57	72	54	55	80	91	67	830
16:00	72	82	54	78	61	80	63	73	56	66	62	84	831
17:00	84	79	74	75	66	58	79	54	54	74	55	68	820
18:00	73	71	61	51	60	62	60	74	60	44	48	43	707
19:00	36	52	36	33	50	41	31	38	44	35	27	39	462
20:00	44	35	26	36	28	39	40	36	34	33	30	33	414
21:00	29	26	36	29	19	28	22	13	24	20	22	14	282
22:00	19	13	20	26	14	16	16	14	18	17	14	10	197
23:00	19	13	9	18	8	11	9	5	10	12	9	5	128

Daily Total: 11298

AM Peak Hour: 772 (06:45 - 07:45)

PM Peak Hour: 862 (16:25 - 17:25)

4th Highest Hour: 745 (07:00 - 08:00)

8th Highest Hour: 687 (11:00 - 12:00)

6.83% Of Daily Total

7.62% Of Daily Total

6.59% Of Daily Total

6.08% Of Daily Total

TRAFFIC SMITHY, INC

1225 NW MURRAY BLVD

PORTLAND, OR 97209

Phone: 503-641-6333 Fax: 503-643-8866

Roadway: NE 112TH AVENUE
 Location: NORTH OF NE 18TH STREET

Date: 03/25/04
 Day of Week: Thursday

NB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	8	8	7	6	17	10	13	10	4	5	6	6	100
01:00	5	5	10	3	8	7	9	8	10	7	8	8	88
02:00	4	3	2	8	6	7	5	6	5	3	5	0	54
03:00	3	1	1	4	2	3	4	4	3	1	0	2	28
04:00	2	2	6	9	0	7	4	6	6	5	2	10	59
05:00	7	11	7	12	17	15	23	26	17	18	9	21	183
06:00	17	17	28	26	37	35	41	42	42	42	33	37	397
07:00	36	37	37	35	44	36	58	49	50	38	48	35	503
08:00	39	37	36	34	44	45	42	42	53	42	43	38	495
09:00	43	43	35	30	45	44	34	43	43	31	39	38	468
10:00	44	32	44	39	47	47	44	41	37	43	36	53	507
11:00	49	53	50	65	54	61	35	72	46	48	46	53	632
12:00	69	52	57	44	55	44	58	59	54	53	57	67	669
13:00	54	64	58	56	52	58	55	64	53	59	47	82	702
14:00	48	65	77	48	66	80	76	78	74	74	57	90	833
15:00	76	64	74	63	69	74	87	92	73	72	99	81	924
16:00	93	74	69	64	92	78	57	88	77	83	78	88	941
17:00	85	88	71	90	85	64	59	80	61	55	72	57	867
18:00	73	65	82	77	68	69	60	68	61	46	49	50	768
19:00	49	53	67	37	46	42	48	35	41	52	37	42	549
20:00	42	41	37	35	54	41	46	42	33	33	33	37	474
21:00	50	43	45	21	32	39	28	29	25	28	24	16	380
22:00	33	31	21	20	25	19	18	29	26	23	12	17	274
23:00	17	17	16	20	9	13	14	15	15	16	11	9	172

Daily Total: 11067

AM Peak Hour: 632 (10:55 - 11:55)

PM Peak Hour: 975 (16:20 - 17:20)

4th Highest Hour: 833 (14:00 - 15:00)

8th Highest Hour: 632 (11:00 - 12:00)

5.71% Of Daily Total

8.80% Of Daily Total

7.52% Of Daily Total

5.71% Of Daily Total

TRAFFIC SMITHY, INC

1225 NW MURRAY BLVD

PORTLAND, OR 97209

Phone: 503-641-6333 Fax: 503-643-8866

Roadway: NE 18TH STREET

Location: EAST OF NE 112TH AVENUE

Date: 03/25/04

Day of Week: Thursday

EB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	7	3	1	4	4	4	1	2	5	2	1	3	37
01:00	4	0	1	1	7	2	1	2	1	4	0	2	25
02:00	1	3	3	3	1	3	0	2	5	2	4	1	28
03:00	1	1	1	2	0	0	2	1	2	2	1	2	15
04:00	1	0	3	2	1	3	5	2	3	1	2	4	27
05:00	5	5	5	5	4	3	4	9	9	5	10	5	69
06:00	16	17	7	13	18	12	11	12	29	37	32	23	227
07:00	31	37	27	34	27	25	29	19	22	27	17	26	321
08:00	15	23	19	38	24	20	31	32	14	27	24	22	289
09:00	18	24	19	24	27	22	21	13	25	20	18	20	251
10:00	28	12	14	31	15	19	17	26	23	31	26	26	268
11:00	26	18	28	39	16	18	14	39	25	24	37	32	316
12:00	27	28	31	23	31	33	17	28	24	39	34	30	345
13:00	34	22	24	27	28	22	45	32	29	30	24	26	343
14:00	32	23	38	29	37	30	48	40	20	30	36	33	396
15:00	32	38	41	51	51	40	42	42	48	34	50	30	499
16:00	54	62	52	36	49	43	73	57	51	45	49	48	619
17:00	40	57	55	60	44	56	45	48	54	49	45	40	593
18:00	44	62	49	60	47	57	44	49	59	40	30	30	571
19:00	38	33	30	27	27	24	24	24	30	24	26	26	333
20:00	20	40	13	17	19	25	19	18	26	17	23	19	256
21:00	26	37	17	23	15	13	19	16	16	9	10	14	215
22:00	14	17	5	14	14	12	12	9	11	9	10	9	136
23:00	8	10	5	14	4	5	9	5	6	6	7	6	85

Daily Total: 6264

AM Peak Hour: 350 (06:40 - 07:40)

PM Peak Hour: 635 (16:30 - 17:30)

4th Highest Hour: 499 (15:00 - 16:00)

8th Highest Hour: 333 (19:00 - 20:00)

5.58% Of Daily Total

10.1% Of Daily Total

7.96% Of Daily Total

5.31% Of Daily Total

TRAFFIC SMITHY, INC
 1225 NW MURRAY BLVD
 PORTLAND, OR 97209
 Phone: 503-641-6333 Fax: 503-643-8866

Roadway: NE 18TH STREET
 Location: EAST OF NE 112TH AVENUE

Date: 03/25/04
 Day of Week: Thursday

WB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	0	2	4	2	3	1	3	2	3	1	0	0	21
01:00	2	1	0	3	0	1	1	1	3	2	1	3	18
02:00	4	3	1	1	4	1	0	0	1	3	0	0	18
03:00	1	0	1	0	3	1	0	1	4	3	1	0	15
04:00	4	2	5	8	2	1	8	6	6	4	7	3	56
05:00	6	8	14	11	21	23	18	18	21	25	18	23	206
06:00	35	26	28	29	38	48	47	29	40	34	42	45	441
07:00	40	36	38	36	40	39	34	46	52	31	41	32	465
08:00	44	37	44	35	44	43	40	35	43	33	24	29	451
09:00	34	29	32	28	24	40	33	28	32	35	39	30	384
10:00	21	24	28	28	23	30	30	28	30	22	28	19	311
11:00	36	26	27	32	30	30	34	26	31	21	30	18	341
12:00	37	24	28	25	28	25	26	30	28	19	31	22	323
13:00	31	30	41	26	24	35	28	33	34	19	30	23	354
14:00	35	30	43	43	27	31	30	34	49	45	35	34	436
15:00	51	23	49	43	23	45	41	42	44	53	29	47	490
16:00	26	40	36	36	35	30	32	28	36	38	34	29	400
17:00	46	37	27	58	46	31	40	44	35	28	33	33	458
18:00	33	31	47	32	43	44	36	22	32	32	34	20	406
19:00	21	29	27	32	23	21	18	18	17	26	19	14	265
20:00	19	22	23	26	14	27	38	23	23	30	24	19	288
21:00	21	29	17	12	10	11	14	15	16	6	11	9	171
22:00	16	17	15	16	5	7	7	7	6	6	5	4	111
23:00	2	6	5	5	8	4	3	2	7	4	8	2	56

Daily Total: 6485

AM Peak Hour: 489 (07:35 - 08:35)

7.54% Of Daily Total

PM Peak Hour: 490 (15:00 - 16:00)

7.55% Of Daily Total

4th Highest Hour: 451 (08:00 - 09:00)

6.95% Of Daily Total

8th Highest Hour: 400 (16:00 - 17:00)

6.16% Of Daily Total

TRAFFIC SMITHY, INC
 1225 NW MURRAY BLVD
 PORTLAND, OR 97209
 Phone: 503-641-6333 Fax: 503-643-8866

Roadway: NE 112TH AVENUE
 Location: SOUTH OF NE 18TH STREET

Date: 03/25/04
 Day of Week: Thursday

NB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	7	10	9	7	5	10	14	15	8	7	5	7	104
01:00	10	5	5	10	6	6	7	13	8	10	4	12	96
02:00	6	3	3	4	8	7	6	6	10	5	5	4	67
03:00	2	1	2	5	2	1	4	4	2	2	1	3	29
04:00	2	3	1	7	7	1	9	6	4	7	5	1	53
05:00	9	6	6	5	10	6	15	17	14	10	19	11	128
06:00	11	17	11	27	15	24	20	19	30	40	35	24	273
07:00	32	25	31	34	32	29	22	44	26	44	29	28	376
08:00	31	26	25	21	33	30	39	32	28	42	23	41	371
09:00	29	30	34	20	38	28	41	22	41	27	18	32	360
10:00	34	36	37	30	32	39	39	33	35	31	32	38	416
11:00	37	38	46	45	45	46	41	43	48	48	37	34	508
12:00	43	43	57	49	51	49	41	53	48	46	54	50	584
13:00	61	36	53	46	53	49	45	56	52	51	44	59	605
14:00	63	46	45	61	56	53	77	65	64	59	75	52	716
15:00	69	79	67	62	55	61	81	78	71	60	68	79	830
16:00	81	100	74	63	62	92	92	63	70	87	88	80	952
17:00	66	86	96	62	56	79	70	62	70	63	60	62	832
18:00	61	70	75	75	87	82	60	58	75	53	45	61	802
19:00	40	41	50	48	43	34	47	47	46	33	47	43	519
20:00	41	37	38	34	26	54	38	31	32	33	26	32	422
21:00	32	37	44	38	30	25	45	26	30	17	23	19	366
22:00	26	25	22	20	25	21	25	18	30	27	20	20	279
23:00	22	23	13	20	16	14	13	14	12	23	13	16	199

Daily Total: 9887

AM Peak Hour: 512 (10:55 - 11:55)

5.17% Of Daily Total

PM Peak Hour: 952 (16:00 - 17:00)

9.62% Of Daily Total

4th Highest Hour: 802 (18:00 - 19:00)

8.11% Of Daily Total

8th Highest Hour: 519 (19:00 - 20:00)

5.24% Of Daily Total

TRAFFIC SMITHY, INC
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 Phone: 503-641-6333 Fax: 503-643-8866

Roadway: NE 112TH AVENUE
 Location: SOUTH OF NE 18TH STREET

Date: 03/25/04
 Day of Week: Thursday

SB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	7	6	6	7	8	8	7	7	2	3	3	3	67
01:00	1	8	2	3	5	3	4	2	9	4	4	2	47
02:00	9	1	8	2	3	6	2	1	3	6	4	2	47
03:00	3	9	3	8	8	4	4	6	9	5	4	5	68
04:00	5	10	11	9	5	11	16	14	9	11	13	16	130
05:00	11	24	25	26	33	43	39	38	34	36	35	49	393
06:00	69	50	53	52	46	66	70	67	42	50	50	62	677
07:00	70	66	64	56	49	80	53	64	69	64	55	49	739
08:00	51	55	51	52	50	58	55	63	59	58	41	49	642
09:00	55	47	53	36	46	50	39	51	40	45	47	41	550
10:00	31	35	35	44	39	39	43	52	38	47	45	38	486
11:00	43	48	51	46	49	42	41	49	50	49	49	45	562
12:00	46	53	47	58	37	41	58	49	59	34	53	52	587
13:00	47	54	42	46	45	43	55	58	47	41	48	43	569
14:00	55	46	36	57	49	48	53	48	52	48	58	55	605
15:00	52	54	39	54	53	66	66	60	55	52	47	69	667
16:00	69	46	57	53	55	61	68	48	47	51	67	55	677
17:00	60	58	68	55	49	52	60	63	44	36	59	51	655
18:00	46	59	50	54	54	44	56	53	56	43	43	38	596
19:00	29	52	30	41	42	35	38	36	26	31	44	19	423
20:00	29	27	37	35	23	30	29	40	22	30	35	23	360
21:00	28	21	20	34	16	27	25	22	21	12	15	14	255
22:00	22	16	9	17	24	13	19	13	10	14	20	13	190
23:00	12	7	17	6	13	13	10	7	9	6	12	7	119

Daily Total: 10111

AM Peak Hour: 752 (06:55 - 07:55)

7.43% Of Daily Total

PM Peak Hour: 695 (15:25 - 16:25)

6.87% Of Daily Total

4th Highest Hour: 667 (15:00 - 16:00)

6.59% Of Daily Total

8th Highest Hour: 596 (18:00 - 19:00)

5.89% Of Daily Total

TRAFFIC SMITHY, INC

1225 NW MURRAY BLVD

PORTLAND, OR 97209

Phone: 503-641-6333 Fax: 503-643-8866

Roadway: NE 18TH STREET

Location: WEST OF NE 112TH AVENUE

Date: 03/25/04

Day of Week: Thursday

EB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	2	1	2	0	1	0	2	1	1	0	0	0	10
01:00	0	0	0	0	1	0	1	1	0	1	0	0	4
02:00	0	0	0	0	0	1	0	0	0	1	0	2	4
03:00	0	0	1	0	1	1	0	1	1	0	0	0	5
04:00	0	0	0	1	0	1	0	1	0	0	0	0	3
05:00	2	1	3	0	2	2	4	2	0	3	4	0	23
06:00	3	3	3	2	0	7	3	6	5	8	9	9	58
07:00	2	3	7	5	8	8	11	5	8	8	4	8	77
08:00	9	4	12	7	16	12	10	15	8	7	10	9	119
09:00	9	4	10	5	3	7	3	7	4	5	9	8	74
10:00	9	4	2	5	1	6	5	10	4	6	8	7	67
11:00	6	9	9	11	12	6	8	11	9	7	10	11	109
12:00	10	7	12	3	7	14	6	4	5	10	9	8	95
13:00	9	8	10	8	6	5	12	7	6	13	8	8	100
14:00	17	8	11	8	9	13	9	8	9	14	7	15	128
15:00	9	14	13	19	14	13	15	15	16	24	10	13	175
16:00	6	19	14	11	13	16	13	18	14	21	13	9	167
17:00	20	15	18	30	16	18	14	16	13	19	8	15	202
18:00	13	11	16	14	23	9	11	15	15	11	12	7	157
19:00	6	10	15	10	11	11	7	4	9	10	9	11	113
20:00	6	8	6	5	5	4	6	9	5	5	7	8	74
21:00	3	11	12	10	6	6	4	4	5	10	2	4	77
22:00	4	6	5	4	4	4	3	2	10	2	4	0	48
23:00	2	1	1	2	2	3	1	2	3	2	3	1	23

Daily Total: 1912

AM Peak Hour: 119 (08:00 - 09:00)

PM Peak Hour: 206 (16:35 - 17:35)

4th Highest Hour: 157 (18:00 - 19:00)

8th Highest Hour: 109 (11:00 - 12:00)

6.22% Of Daily Total

10.7% Of Daily Total

8.21% Of Daily Total

5.70% Of Daily Total

TRAFFIC SMITHY, INC

1225 NW MURRAY BLVD

PORTLAND, OR 97209

Phone: 503-641-6333 Fax: 503-643-8866

roadway: NE 18TH STREET

Location: WEST OF NE 112TH AVENUE

Date: 03/25/04

Day of Week: Thursday

WB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	1	0	2	0	1	0	0	1	1	2	1	0	9
01:00	1	0	0	0	0	1	0	0	1	0	0	0	3
02:00	0	0	0	0	1	0	0	0	2	2	0	0	5
03:00	0	1	1	2	2	0	0	0	1	0	0	0	7
04:00	0	0	0	1	0	0	2	0	0	0	0	1	4
05:00	0	0	0	2	0	1	1	0	1	2	4	1	12
06:00	3	4	3	5	5	6	6	4	5	8	5	7	61
07:00	9	5	9	5	13	7	12	14	7	20	4	17	122
08:00	7	17	15	15	12	18	13	11	7	13	11	5	144
09:00	11	7	5	8	0	11	8	9	7	7	8	10	91
10:00	9	3	6	5	8	11	7	0	4	9	8	4	74
11:00	6	7	5	10	15	6	16	9	8	6	4	6	98
12:00	10	13	10	9	8	10	5	8	8	3	7	8	99
13:00	6	10	8	9	6	8	10	15	2	9	3	10	96
14:00	9	11	9	12	12	8	12	14	16	10	9	17	139
15:00	15	14	15	14	11	10	11	10	10	14	10	14	148
16:00	14	11	15	4	9	11	10	14	16	9	14	12	139
17:00	14	7	12	12	9	14	15	10	24	19	8	11	155
18:00	10	13	9	9	12	11	9	6	10	8	8	19	124
19:00	3	3	8	12	5	13	3	4	8	11	3	7	80
20:00	11	6	7	6	7	7	5	12	8	9	14	6	98
21:00	6	5	9	8	5	7	5	8	3	3	6	5	70
22:00	5	6	5	7	3	3	1	2	5	2	1	0	40
23:00	0	4	4	0	1	2	1	0	2	3	0	2	19

Daily Total: 1837

AM Peak Hour: 159 (07:35 - 08:35)

8.65% Of Daily Total

PM Peak Hour: 162 (16:50 - 17:50)

8.81% Of Daily Total

4th Highest Hour: 139 (14:00 - 15:00)

7.56% Of Daily Total

8th Highest Hour: 99 (12:00 - 13:00)

5.38% Of Daily Total