

Roadway Survey Field Sheet

TS Project # _____ Map _____ Grid _____ Start Time _____ # Of Days _____

Location: NE 99 ST + NE 50TH AV

Location ID: _____ City: VANCOUVER

Type Of Survey:
 Volume
 Speed
 Classification

Start Date: 09/02/03
 S M T W T F S
 End Date: 09/04/03
 S M T W T F S

Counters: 8
 Tubes: 8

SITE EVALUATION			POSTED SPEED		DWELL TIME																																				
Vehicles Crossing Tube Perpendicular	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	???	<input type="checkbox"/> None	<input type="checkbox"/> 40 Mph	<table border="1"> <thead> <tr> <th>LOWEST SPEED</th> <th colspan="5">HIGHEST SPEED</th> </tr> <tr> <th>MPH</th> <th>10-20</th> <th>15-30</th> <th>25-40</th> <th>35-45</th> <th>> 45</th> </tr> </thead> <tbody> <tr> <td>Standing Queue</td> <td>200</td> <td>130</td> <td>100</td> <td>80</td> <td>40</td> </tr> <tr> <td>5 - 10 MPH</td> <td>130</td> <td>90</td> <td>70</td> <td>60</td> <td>40</td> </tr> <tr> <td>> 10 MPH</td> <td>100</td> <td>80</td> <td>60</td> <td>40</td> <td>40</td> </tr> </tbody> </table>						LOWEST SPEED	HIGHEST SPEED					MPH	10-20	15-30	25-40	35-45	> 45	Standing Queue	200	130	100	80	40	5 - 10 MPH	130	90	70	60	40	> 10 MPH	100	80	60	40	40
LOWEST SPEED	HIGHEST SPEED																																								
MPH	10-20	15-30	25-40	35-45	> 45																																				
Standing Queue	200	130	100	80	40																																				
5 - 10 MPH	130	90	70	60	40																																				
> 10 MPH	100	80	60	40	40																																				
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	(TAD, TBD) A B M D																																			
Speed Greater Than 20 Miles / Hour	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 30 Mph	<input type="checkbox"/> 50 Mph																																				
Tube Crosses More Than 2 Lanes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 35 Mph	<input type="checkbox"/> 55 Mph	Use 2 Counters if Traffic Conditions are different in each direction.																																			
SPEED: High _____ Mph Low _____ Mph			<input type="checkbox"/> Other: _____		DWELL (TAD, TBD)																																				

AXLE STRIKE COUNT	SYSTEM DELAY LOGIC	SPEED Low Vol	VEHICLE SPEED / CLASSIFICATION		
G M D A B	D	G M B	M B	G	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: A MAX

No. _____

Box _____

Tube Length: 40

Hammer Test

CHECK	DATE	TIME
P F		
P F		
P F		
P F		
P F		

PICK-UP

Hammer Test

Date: _____ Time: _____

FILE NAMES

0499SE25

0499SE54

0499SW38

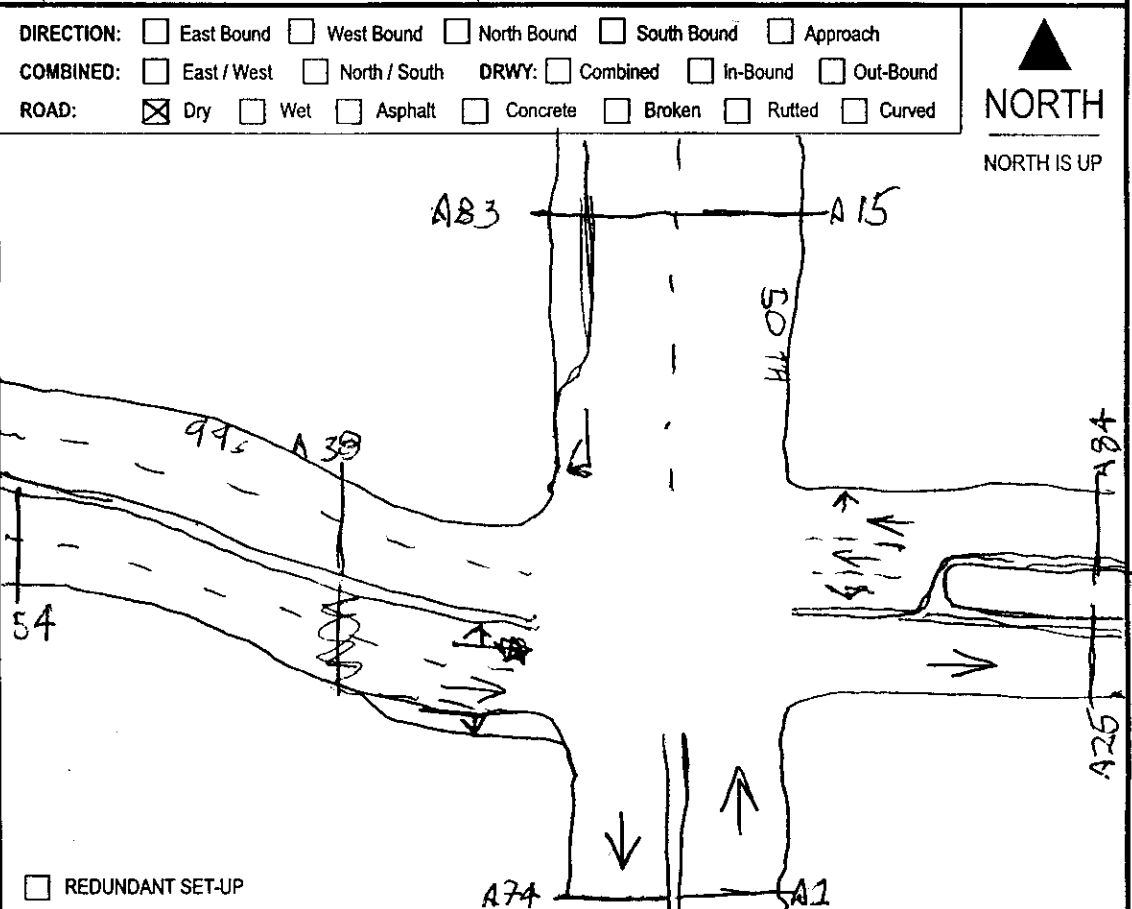
0499SW84

0450H583

0450H574

0450HN15

0450HN03



Remarks: _____

WEATHER: Sunny Overcast Rain Snow

Surveyed By: M.P.

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

TRAFFIC SMITHY, INC
 1225 NW MURRAY BLVD SUITE 111
 PORTLAND, OR 97229
 Phone: 503-641-6333 Fax: 503-643-8866

Roadway: NE 99TH STREET
 Location: WEST OF NE 50TH AVENUE

Date: 09/03/03
 Day of Week: Wednesday

WB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	6	2	2	4	3	2	3	2	2	0	0	1	27
01:00	1	2	4	0	2	1	1	0	1	1	1	1	15
02:00	1	2	1	3	3	1	1	1	0	1	3	0	17
03:00	0	0	0	1	1	1	1	0	2	2	0	0	8
04:00	1	2	1	2	3	4	3	4	2	3	9	0	34
05:00	3	6	8	10	7	7	10	7	17	5	7	17	104
06:00	13	11	24	13	17	19	10	11	13	15	19	22	187
07:00	25	14	18	18	18	20	9	27	26	17	36	15	243
08:00	25	28	23	18	25	29	32	19	21	20	32	28	300
09:00	20	23	20	23	18	20	29	17	14	21	27	20	252
10:00	11	25	26	23	36	19	24	21	18	25	27	35	290
11:00	19	21	20	23	16	33	24	28	32	34	22	24	296
12:00	27	21	14	37	25	16	19	28	25	23	36	27	298
13:00	30	32	31	26	31	32	27	30	21	21	23	29	333
14:00	21	23	18	26	22	34	36	30	23	25	31	22	311
15:00	40	21	33	33	27	47	39	23	31	40	48	29	411
16:00	23	37	52	48	63	44	53	57	52	56	65	63	613
17:00	53	35	64	53	46	63	68	43	38	40	37	41	581
18:00	30	36	32	39	35	25	28	18	26	30	24	37	360
19:00	29	33	22	19	29	21	35	14	30	24	20	19	295
20:00	20	23	17	20	19	22	19	19	21	17	17	24	238
21:00	16	16	15	14	17	26	15	13	14	10	15	16	187
22:00	10	14	5	9	9	10	6	7	10	11	7	6	104
23:00	3	6	5	1	8	3	5	7	9	5	3	6	61

Daily Total: 5565

AM Peak Hour: 312 (10:50 - 11:50)

5.60% Of Daily Total

PM Peak Hour: 675 (16:35 - 17:35)

12.1% Of Daily Total

4th Highest Hour: 360 (18:00 - 19:00)

6.46% Of Daily Total

8th Highest Hour: 298 (12:00 - 13:00)

5.35% Of Daily Total

TRAFFIC SMITHY, INC
 1225 NW MURRAY BLVD SUITE 111
 PORTLAND, OR 97229
 Phone: 503-641-6333 Fax: 503-643-8866

Roadway: NE 99TH STREET
 Location: WEST OF NE 50TH AVENUE

Date: 09/13/03
 Day of Week: Wednesday

EB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	5	11	3	2	1	2	6	7	4	3	3	1	48
01:00	3	3	0	2	2	1	0	1	2	2	0	0	16
02:00	1	3	0	0	0	1	0	3	0	0	3	1	12
03:00	1	0	2	2	1	4	3	2	3	0	5	0	23
04:00	0	1	1	3	1	1	0	0	1	1	4	3	16
05:00	2	4	2	8	5	3	4	8	7	4	9	10	66
06:00	15	9	10	18	15	14	18	19	37	22	25	22	224
07:00	22	22	23	24	24	27	25	41	36	36	32	28	340
08:00	19	32	33	27	29	22	20	28	23	34	18	14	299
09:00	26	27	22	19	21	31	18	28	19	30	23	20	284
10:00	14	26	22	21	19	17	36	30	25	20	37	37	304
11:00	30	26	23	29	22	23	24	31	24	46	21	17	316
12:00	26	29	31	31	24	26	21	39	25	30	30	22	334
13:00	34	34	34	30	25	26	44	25	35	35	27	35	384
14:00	27	24	26	38	23	28	32	40	44	36	25	39	382
15:00	28	41	32	28	36	32	44	34	46	38	34	46	439
16:00	27	36	47	42	34	42	38	41	27	43	47	59	483
17:00	51	52	54	57	69	62	65	59	52	71	48	46	686
18:00	46	43	60	52	30	36	43	35	35	33	43	38	494
19:00	30	37	32	29	40	27	21	22	21	31	26	28	344
20:00	31	18	22	32	16	15	20	22	25	24	17	14	256
21:00	15	13	26	15	13	17	9	16	8	18	11	6	167
22:00	7	11	8	10	8	6	10	11	8	2	4	8	93
23:00	3	6	3	6	6	7	7	7	2	7	4	5	63

Daily Total: 6073

AM Peak Hour: 365 (07:25 - 08:25)

6.01% Of Daily Total

PM Peak Hour: 699 (16:55 - 17:55)

11.5% Of Daily Total

4th Highest Hour: 439 (15:00 - 16:00)

7.22% Of Daily Total

8th Highest Hour: 340 (07:00 - 08:00)

5.59% Of Daily Total

TRAFFIC SMITHY, INC
 1225 NW MURRAY BLVD SUITE 111
 PORTLAND, OR 97229
 Phone: 503-641-6333 Fax: 503-643-8866

Roadway: NE 99TH STREET
 Location: EAST OF NE 50TH AVENUE

Date: 09/03/03
 Day of Week: Wednesday

WB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	2	0	0	0	0	0	1	0	0	0	0	0	3
01:00	1	0	0	0	1	1	0	0	1	0	0	0	4
02:00	1	0	0	1	0	0	0	0	0	0	0	0	2
03:00	0	0	0	1	0	0	0	0	0	0	0	0	1
04:00	0	0	1	0	1	0	1	0	0	5	0	1	9
05:00	4	3	3	2	5	4	3	5	2	3	8	4	46
06:00	6	8	4	5	9	6	2	7	7	6	9	4	73
07:00	7	4	3	10	4	2	10	7	1	9	5	14	76
08:00	13	6	4	12	13	8	8	4	2	9	11	10	100
09:00	2	6	4	8	6	11	4	2	4	10	6	3	66
10:00	7	11	5	16	4	6	7	5	7	9	8	5	90
11:00	10	4	8	9	7	4	6	9	10	6	4	10	87
12:00	5	4	15	5	6	3	7	8	9	2	8	7	79
13:00	11	6	6	12	6	8	6	7	4	5	10	8	89
14:00	5	7	4	8	12	8	9	6	4	7	6	5	81
15:00	9	9	5	6	19	14	8	10	11	10	6	8	115
16:00	8	10	16	18	6	11	17	12	13	11	14	7	143
17:00	13	15	13	5	12	10	9	9	8	8	10	6	118
18:00	5	11	6	9	5	7	2	8	10	11	6	3	83
19:00	9	5	3	5	5	9	3	7	6	4	6	10	72
20:00	6	7	7	6	5	3	4	4	4	5	5	1	57
21:00	5	3	3	6	10	6	1	4	1	3	4	2	48
22:00	7	2	3	4	3	3	2	4	2	2	1	0	33
23:00	1	2	0	0	1	1	1	1	0	0	3	1	11

Daily Total: 1486

AM Peak Hour: 104 (07:55 - 08:55)

6.99% Of Daily Total

PM Peak Hour: 153 (16:10 - 17:10)

10.2% Of Daily Total

4th Highest Hour: 100 (08:00 - 09:00)

6.72% Of Daily Total

8th Highest Hour: 83 (18:00 - 19:00)

5.58% Of Daily Total

TRAFFIC SMITHY, INC
 1225 NW MURRAY BLVD SUITE 111
 PORTLAND, OR 97229
 Phone: 503-641-6333 Fax: 503-643-8866

Roadway: NE 99TH STREET
 Location: EAST OF NE 50TH AVENUE

Date: 09/03/03
 Day of Week: Wednesday

EB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	2	5	1	1	0	1	4	3	1	2	2	0	22
01:00	1	3	0	0	0	0	0	0	1	1	0	0	6
02:00	1	1	0	0	0	1	0	0	0	0	2	0	5
03:00	0	0	1	1	0	2	3	1	2	0	0	1	11
04:00	0	1	1	1	0	0	0	0	0	2	2	0	7
05:00	1	2	0	5	1	1	1	2	0	1	2	4	20
06:00	2	4	3	4	7	2	6	7	6	12	6	6	65
07:00	9	7	6	6	5	12	3	10	5	9	10	7	89
08:00	2	8	6	7	4	8	6	6	3	9	5	2	66
09:00	7	4	1	3	5	6	7	12	3	9	5	8	70
10:00	3	12	3	5	8	4	7	9	4	6	9	14	84
11:00	12	6	8	7	8	11	12	5	5	14	7	5	100
12:00	10	6	11	9	10	6	6	19	7	7	5	10	106
13:00	10	9	10	11	11	8	19	15	17	9	6	13	138
14:00	10	11	11	17	7	7	15	15	13	8	12	10	136
15:00	11	13	14	8	14	7	17	14	18	12	15	11	154
16:00	8	15	16	19	15	17	10	21	13	14	15	20	183
17:00	15	16	20	19	28	19	28	16	13	25	20	10	229
18:00	15	14	17	17	14	12	24	10	14	14	13	14	178
19:00	6	13	10	16	16	10	9	9	8	11	10	10	128
20:00	13	14	8	9	6	1	9	5	11	8	8	4	96
21:00	6	10	9	7	9	5	4	5	7	6	3	0	71
22:00	2	6	4	5	4	3	5	1	7	0	1	4	42
23:00	2	1	1	1	3	6	4	3	0	2	3	2	28

Daily Total: 2034

AM Peak Hour: 111 (10:50 - 11:50)

5.45% Of Daily Total

PM Peak Hour: 239 (16:55 - 17:55)

11.7% Of Daily Total

4th Highest Hour: 154 (15:00 - 16:00)

7.57% Of Daily Total

8th Highest Hour: 106 (12:00 - 13:00)

5.21% Of Daily Total

TRAFFIC SMITHY, INC
 1225 NW MURRAY BLVD SUITE 111
 PORTLAND, OR 97229
 Phone: 503-641-6333 Fax: 503-643-8866

Roadway: NE 50TH AVENUE
 Location: NORTH OF 99TH STREET

Date: 09/03/03
 Day of Week: Wednesday

NB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	2	3	1	0	1	1	1	0	1	2	0	1	13
01:00	3	1	0	1	0	3	1	0	2	0	0	0	11
02:00	0	1	1	1	1	0	0	1	0	0	0	2	7
03:00	0	0	0	0	1	0	1	1	1	0	3	1	8
04:00	0	0	0	0	0	0	0	0	0	0	2	2	4
05:00	0	0	0	2	2	1	1	2	2	1	0	1	12
06:00	5	2	1	1	3	1	0	4	5	1	8	7	38
07:00	12	4	2	8	17	5	11	7	11	7	4	6	94
08:00	7	13	8	14	9	6	8	11	9	12	10	11	118
09:00	11	10	13	11	11	13	8	6	9	12	8	9	121
10:00	1	6	12	19	10	5	12	11	8	10	14	15	123
11:00	14	11	10	17	12	17	7	19	12	15	9	5	148
12:00	13	17	8	15	13	11	13	15	10	16	16	17	164
13:00	12	20	15	9	14	14	21	13	6	19	13	15	171
14:00	11	13	14	22	8	13	11	14	19	19	17	25	186
15:00	18	19	15	13	32	16	21	24	22	15	25	25	245
16:00	26	24	27	21	23	16	24	17	16	18	12	22	246
17:00	27	23	24	30	23	21	27	21	27	30	22	21	296
18:00	17	13	26	17	13	18	15	11	19	12	19	20	200
19:00	14	19	21	6	25	12	15	10	11	14	12	17	176
20:00	9	14	9	13	14	18	12	13	15	13	15	10	155
21:00	5	9	9	14	12	7	7	4	10	12	3	3	95
22:00	9	10	3	2	3	5	3	6	5	3	4	2	55
23:00	3	6	2	5	2	3	1	3	0	1	2	4	32

Daily Total: 2718

AM Peak Hour: 163 (10:50 - 11:50)

5.99% Of Daily Total

PM Peak Hour: 297 (16:55 - 17:55)

10.9% Of Daily Total

4th Highest Hour: 200 (18:00 - 19:00)

7.35% Of Daily Total

8th Highest Hour: 164 (12:00 - 13:00)

6.03% Of Daily Total

TRAFFIC SMITHY, INC
 1225 NW MURRAY BLVD SUITE 111
 PORTLAND, OR 97229
 Phone: 503-641-6333 Fax: 503-643-8866

Roadway: NE 50TH AVENUE
 Location: SOUTH OF 99TH STREET

Date: 09/03/03
 Day of Week: Wednesday

NB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	2	0	3	3	2	3	3	1	1	0	0	1	19
01:00	2	2	1	0	0	2	1	0	2	0	1	2	13
02:00	0	3	2	1	1	1	0	0	0	2	1	1	12
03:00	0	0	0	1	1	1	1	1	2	1	0	1	9
04:00	0	1	1	1	0	0	2	0	1	3	0	0	9
05:00	1	0	0	1	1	2	0	4	3	2	3	3	20
06:00	2	3	2	3	4	1	1	8	9	4	9	8	54
07:00	16	8	3	14	16	5	14	9	10	17	12	7	131
08:00	9	16	7	9	13	14	8	12	12	19	17	18	154
09:00	16	15	14	9	13	8	12	12	9	14	8	8	138
10:00	9	12	20	27	17	11	16	9	18	18	24	18	199
11:00	9	8	13	15	12	22	19	24	24	17	18	15	196
12:00	17	15	24	19	13	14	15	19	21	16	24	13	210
13:00	13	22	16	17	28	26	15	19	13	14	21	15	219
14:00	14	18	22	25	17	21	21	17	20	15	20	40	250
15:00	17	21	27	24	30	33	13	26	23	30	34	21	299
16:00	27	40	41	39	37	45	46	34	54	39	39	57	498
17:00	40	43	49	52	44	52	46	33	32	35	27	21	474
18:00	30	26	27	27	19	15	22	17	17	16	21	27	264
19:00	19	17	20	13	19	14	26	10	20	10	20	19	207
20:00	14	8	13	11	20	12	14	18	13	12	16	14	165
21:00	10	6	11	12	12	19	10	5	9	9	15	8	126
22:00	12	4	6	5	6	4	3	9	4	4	3	5	65
23:00	5	4	2	8	3	3	2	7	6	2	0	4	46

Daily Total: 3777

AM Peak Hour: 206 (10:45 - 11:45)

5.45% Of Daily Total

PM Peak Hour: 549 (16:30 - 17:30)

14.5% Of Daily Total

4th Highest Hour: 264 (18:00 - 19:00)

6.98% Of Daily Total

8th Highest Hour: 207 (19:00 - 20:00)

5.48% Of Daily Total

TRAFFIC SMITHY, INC
 1225 NW MURRAY BLVD SUITE 111
 PORTLAND, OR 97229
 Phone: 503-641-6333 Fax: 503-643-8866

Roadway: NE 50TH AVENUE
 Location: SOUTH OF 99TH STREET

Date: 09/03/03
 Day of Week: Wednesday

SB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	2	3	1	2	0	1	1	3	0	3	1	1	18
01:00	0	1	0	1	2	0	0	1	1	1	0	1	8
02:00	2	2	0	0	0	1	0	2	0	2	0	0	9
03:00	1	0	1	2	0	2	0	2	0	1	2	0	11
04:00	0	0	1	7	1	1	0	2	1	2	0	2	17
05:00	2	2	3	4	7	3	4	6	8	6	11	11	67
06:00	15	11	11	27	20	21	21	17	37	23	23	15	241
07:00	16	18	30	26	25	27	27	38	41	39	31	29	347
08:00	22	38	30	32	30	22	21	27	23	28	17	17	307
09:00	21	27	21	18	17	26	16	17	23	24	17	14	241
10:00	22	21	26	24	13	20	28	19	30	22	28	21	274
11:00	18	18	19	25	15	18	18	16	20	30	21	20	238
12:00	18	21	21	23	18	19	14	17	17	24	22	13	227
13:00	23	22	24	19	18	18	22	11	21	23	25	20	246
14:00	19	16	18	19	27	26	17	31	29	29	15	25	271
15:00	18	23	16	23	23	18	27	15	23	20	21	20	247
16:00	25	27	22	26	22	25	26	19	18	22	36	30	298
17:00	35	33	27	29	39	34	36	28	33	28	23	36	381
18:00	30	34	24	25	19	30	18	18	15	16	19	19	267
19:00	9	21	13	11	17	12	8	13	12	13	11	9	149
20:00	18	8	15	20	6	14	12	12	14	10	10	5	144
21:00	7	6	12	6	1	7	5	2	6	7	7	5	71
22:00	4	2	7	4	8	0	4	1	7	3	1	4	45
23:00	2	1	0	0	4	2	2	2	2	1	3	0	19

Daily Total: 4143

AM Peak Hour: 384 (07:25 - 08:25)

9.26% Of Daily Total

PM Peak Hour: 388 (16:50 - 17:50)

9.36% Of Daily Total

4th Highest Hour: 298 (16:00 - 17:00)

7.19% Of Daily Total

8th Highest Hour: 247 (15:00 - 16:00)

5.96% Of Daily Total

TRAFFIC SMITHY, INC
 1225 NW MURRAY BLVD SUITE 111
 PORTLAND, OR 97229
 Phone: 503-641-6333 Fax: 503-643-8866

Roadway: NE 50TH AVENUE
 Location: NORTH OF 99TH STREET

Date: 09/03/03
 Day of Week: Wednesday

SB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	0	0	0	3	1	0	0	0	1	2	1	0	8
01:00	1	2	1	1	1	1	0	0	1	0	0	1	9
02:00	2	0	0	1	2	1	0	1	0	3	0	2	12
03:00	0	0	0	1	0	0	0	1	1	1	1	0	5
04:00	1	1	2	3	4	2	1	2	3	2	1	2	24
05:00	3	3	7	7	5	4	7	7	8	8	5	13	77
06:00	11	19	17	15	24	14	15	12	10	17	15	11	180
07:00	20	11	21	17	20	15	17	25	27	24	16	18	231
08:00	19	26	25	23	19	19	23	16	19	18	11	15	233
09:00	14	15	16	12	12	22	18	8	23	19	10	13	182
10:00	16	15	15	17	13	12	13	17	8	22	19	11	178
11:00	13	11	21	14	15	22	15	9	10	17	17	17	181
12:00	10	12	8	17	17	9	13	16	9	23	17	16	167
13:00	24	14	26	9	14	15	19	14	14	14	16	12	191
14:00	10	13	17	13	25	24	12	22	23	24	13	18	214
15:00	10	12	20	20	20	10	22	21	17	22	18	13	205
16:00	22	17	15	22	22	14	19	19	8	24	18	19	219
17:00	12	8	17	16	12	20	17	10	14	14	18	21	179
18:00	16	23	15	13	18	24	11	11	13	18	26	19	207
19:00	18	14	10	10	18	9	8	9	15	12	7	4	134
20:00	10	9	11	9	4	14	14	14	3	6	11	5	110
21:00	7	8	7	10	4	5	7	9	6	4	4	3	74
22:00	4	2	4	4	3	7	2	2	9	6	6	1	50
23:00	4	1	2	1	1	3	4	2	1	1	3	0	23

Daily Total: 3093

AM Peak Hour: 264 (07:35 - 08:35)

8.53% Of Daily Total

PM Peak Hour: 225 (15:30 - 16:30)

7.27% Of Daily Total

4th Highest Hour: 214 (14:00 - 15:00)

6.91% Of Daily Total

8th Highest Hour: 182 (09:00 - 10:00)

5.88% Of Daily Total