

0341

Roadway Survey Field Sheet

TS Project # _____ Map _____ Grid _____ Start Time 12:30 # Of Days _____

Location: NW 179TH ST + NW 11TH AV

City: VANCOUVER

Location ID: _____

Type of Survey

Volume
 Speed
 Classification

Start Date: 9/16/03

S M T W T F S ①

End Date: 9/18/03

S M T W T F S ①

Counters 8

Tubes 8

SITE EVALUATION			POSTED SPEED		DWEELL TIME																																				
Vehicles Crossing Tube Perpendicular	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	???	<input type="checkbox"/> None	<input checked="" 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 checked="" type="checkbox"/> 45 Mph	(TAD, TBD) <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> M <input type="checkbox"/> 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 35 Mph	<input type="checkbox"/> 55 Mph																																				
SPEED: High _____ Mph Low _____ Mph				<input type="checkbox"/> Other: _____		Use 2 Counters if Traffic Conditions are different in each direction. <table border="1"> <tr> <td colspan="6">DWEELL (TAD, TBD)</td> </tr> </table>						DWEELL (TAD, TBD)																													
DWEELL (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. 19/54/11/74

Box 59/76/56/52

Tube Length 40

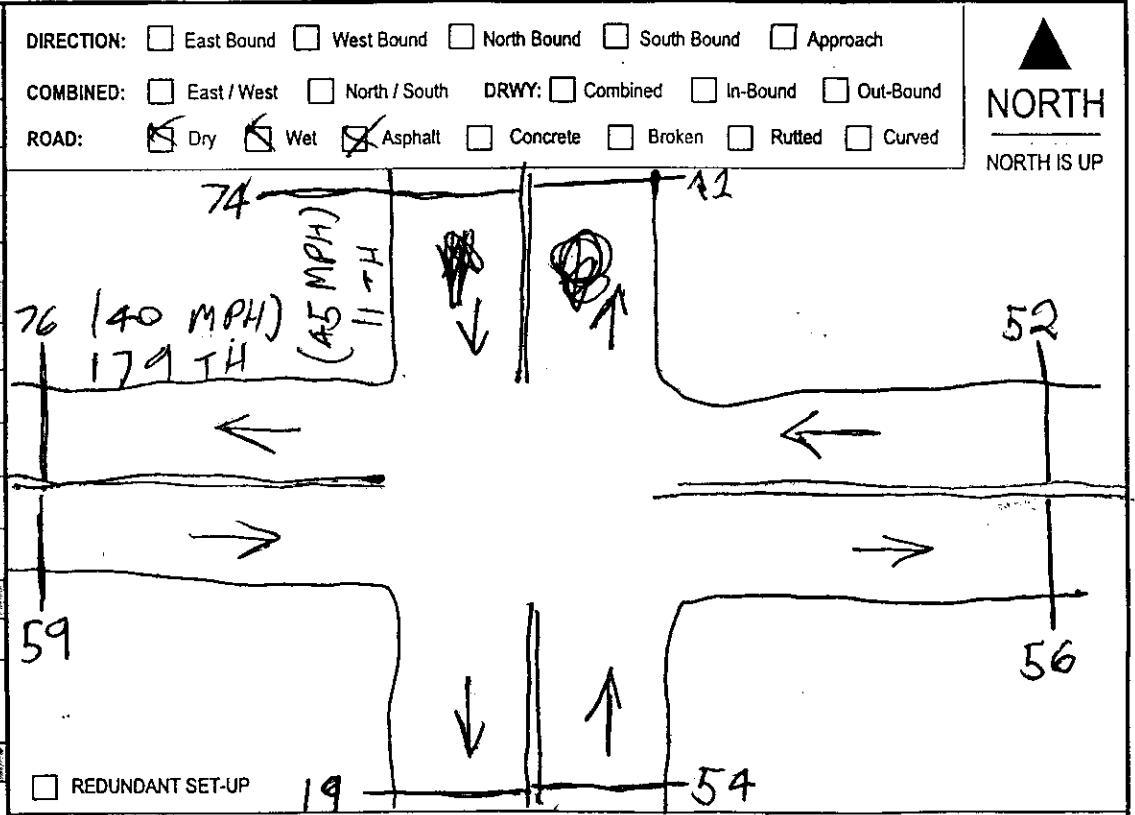
Hammer Test

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

PICK UP

Hammer Test

Date: 9/18/03 Time: 12:00



- FILE NAMES**
- 1811T519
 - 1811TN54
 - 1811TNA1
 - 1811T574
 - 18179E59
 - 18179W76

Remarks: WEATHER: Sunny Overcast Rain Snow

Surveyed By: M.P.

TRAFFIC SMITHY
 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: NW 179TH STREET
 Location: EAST OF NW 11TH AVENUE

Date: 09/17/03
 Day of Week: Wednesday

EB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	0	1	0	0	1	1	2	1	0	0	0	0	6
01:00	0	0	0	0	0	0	0	2	0	0	1	0	3
02:00	0	0	0	0	0	0	0	0	0	0	1	0	1
03:00	1	2	0	0	2	1	0	1	0	0	0	2	9
04:00	1	0	3	0	1	0	1	3	1	3	2	1	16
05:00	0	1	4	1	2	3	5	1	3	7	7	7	41
06:00	6	8	7	11	2	10	4	11	8	5	4	5	81
07:00	15	6	10	12	12	8	12	10	16	16	9	8	134
08:00	13	9	11	10	7	6	11	10	13	8	18	3	119
09:00	6	7	6	7	9	2	6	6	5	7	9	6	76
10:00	8	9	5	11	2	11	7	10	8	11	11	2	95
11:00	9	11	5	2	8	10	2	7	4	4	7	8	77
12:00	4	14	1	4	3	7	4	6	5	7	7	5	67
13:00	10	6	2	10	4	8	4	6	8	14	13	4	89
14:00	7	9	5	8	9	8	8	5	15	15	7	12	108
15:00	15	7	5	16	8	16	10	19	14	9	4	7	130
16:00	10	10	14	12	10	13	10	12	12	8	16	6	133
17:00	7	11	23	7	7	10	8	14	11	12	7	5	122
18:00	11	7	7	8	9	10	6	7	13	6	13	7	104
19:00	6	7	3	5	3	8	8	1	1	6	6	3	57
20:00	3	7	2	2	10	4	3	2	2	7	4	4	50
21:00	5	0	4	1	1	6	8	4	1	0	2	1	33
22:00	3	2	2	3	3	2	1	2	1	1	3	2	25
23:00	0	1	1	2	0	2	0	0	0	1	1	0	8

Daily Total: 1584

AM Peak Hour: 136 (07:15 - 08:15)

8.58% Of Daily Total

PM Peak Hour: 145 (14:40 - 15:40)

9.15% Of Daily Total

4th Highest Hour: 122 (17:00 - 18:00)

7.70% Of Daily Total

8th Highest Hour: 95 (10:00 - 11:00)

5.99% Of Daily Total

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

Roadway: NW 179TH STREET
 Location: EAST OF NW 11TH AVENUE

Date: 09/17/03
 Day of Week: Wednesday

WB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	1	1	3	2	0	0	0	0	0	0	1	1	9
01:00	0	1	1	2	0	0	1	2	0	0	0	0	7
02:00	0	0	1	0	0	0	0	2	0	0	0	1	4
03:00	0	0	1	0	0	0	0	0	1	0	0	3	5
04:00	0	0	0	0	1	0	0	0	0	1	0	0	2
05:00	0	0	0	1	0	1	0	1	0	0	1	2	6
06:00	0	0	0	1	1	3	1	5	6	4	7	3	31
07:00	4	6	5	9	3	7	1	4	2	6	2	3	52
08:00	6	13	8	5	5	5	3	5	6	9	0	2	67
09:00	5	5	4	3	4	5	4	2	5	6	4	6	53
10:00	5	9	3	11	8	7	3	3	6	7	4	5	71
11:00	6	10	14	6	3	9	2	5	13	6	4	4	82
12:00	5	7	11	5	9	6	6	9	12	7	8	7	92
13:00	10	7	7	11	6	3	7	7	8	9	11	8	94
14:00	4	13	12	7	9	12	10	12	3	7	11	12	112
15:00	7	8	8	9	12	11	7	7	13	13	13	11	119
16:00	8	20	13	8	7	16	14	12	11	11	18	16	154
17:00	7	18	18	9	15	16	14	18	18	8	12	15	168
18:00	12	14	11	9	25	17	11	13	9	8	15	2	146
19:00	9	9	18	9	7	7	5	4	7	9	7	5	96
20:00	11	11	6	7	1	12	7	6	9	6	4	2	82
21:00	10	6	5	4	11	2	3	3	1	6	3	5	59
22:00	5	4	6	4	2	1	1	0	4	3	2	1	33
23:00	1	1	0	1	1	2	3	1	0	2	3	0	15

Daily Total: 1559

AM Peak Hour: 84 (10:15 - 11:15)

5.38% Of Daily Total

PM Peak Hour: 178 (16:45 - 17:45)

11.4% Of Daily Total

4th Highest Hour: 119 (15:00 - 16:00)

7.63% Of Daily Total

8th Highest Hour: 92 (12:00 - 13:00)

5.90% Of Daily Total

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

Roadway: NW 179TH STREET
 Location: WEST OF NW 11TH AVENUE

Date: 09/17/03
 Day of Week: Wednesday

WB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	0	1	3	1	2	0	0	0	0	0	1	1	9
01:00	0	1	1	0	1	0	1	0	0	0	0	0	4
02:00	0	0	2	0	0	0	0	1	0	0	0	0	3
03:00	0	0	1	0	0	0	0	0	0	0	0	2	3
04:00	1	0	0	0	1	0	0	0	0	1	0	0	3
05:00	0	0	0	1	0	1	0	1	0	0	0	1	4
06:00	1	0	1	0	1	2	0	1	2	1	7	2	18
07:00	2	4	3	3	3	6	1	3	2	3	2	0	32
08:00	3	8	5	3	3	2	4	2	3	7	2	2	44
09:00	4	5	2	1	3	5	1	1	4	5	2	6	39
10:00	5	4	0	7	3	9	2	2	1	6	3	5	47
11:00	4	7	10	10	5	6	1	5	6	2	2	3	61
12:00	3	5	9	3	4	6	6	5	6	7	5	4	63
13:00	8	5	5	5	6	5	1	5	6	10	6	7	69
14:00	7	9	10	5	6	9	10	9	5	5	7	12	94
15:00	4	7	7	7	6	10	6	7	6	10	12	9	91
16:00	6	15	11	7	8	15	7	12	8	9	13	5	116
17:00	8	12	10	9	11	9	5	11	10	7	10	4	106
18:00	11	7	11	12	15	15	13	5	7	5	6	6	113
19:00	5	8	13	9	4	3	3	2	6	7	10	3	73
20:00	6	10	6	6	1	6	8	6	6	6	4	1	66
21:00	3	7	2	6	9	1	2	3	0	4	3	4	44
22:00	3	4	5	2	1	2	0	0	4	2	1	0	24
23:00	1	0	1	1	1	1	1	1	0	2	2	0	11

Daily Total: 1137

AM Peak Hour: 68 (10:45 - 11:45)

5.98% Of Daily Total

PM Peak Hour: 126 (17:35 - 18:35)

11.0% Of Daily Total

4th Highest Hour: 94 (14:00 - 15:00)

8.26% Of Daily Total

8th Highest Hour: 66 (20:00 - 21:00)

5.80% Of Daily Total

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

Roadway: NW 179TH STREET
 Location: WEST OF NW 11TH AVENUE

Date: 09/17/03
 Day of Week: Wednesday

EB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	0	1	2	0	0	1	3	0	1	0	0	0	8
01:00	0	0	0	0	0	0	0	0	0	0	0	1	1
02:00	0	0	0	0	0	0	0	0	0	0	1	2	3
03:00	1	0	0	0	0	2	1	0	1	0	0	1	6
04:00	1	1	0	3	0	0	1	2	1	1	2	0	12
05:00	1	1	0	2	1	2	1	4	1	4	7	5	29
06:00	3	4	6	4	5	4	5	5	8	6	4	6	60
07:00	3	8	6	6	14	7	6	8	8	11	7	7	91
08:00	11	8	3	12	5	7	3	9	9	11	7	12	97
09:00	2	4	5	4	7	5	4	3	4	4	11	3	56
10:00	5	6	7	8	6	2	9	7	9	9	6	8	82
11:00	4	11	4	2	3	7	6	1	4	2	1	3	48
12:00	5	3	6	1	4	5	5	1	4	6	7	3	50
13:00	7	8	3	4	7	4	5	1	4	11	8	3	65
14:00	4	6	7	5	6	5	5	4	11	8	8	5	74
15:00	14	6	4	8	12	7	6	7	9	13	2	2	90
16:00	6	12	6	14	8	6	7	3	13	7	13	10	105
17:00	7	7	5	13	5	5	10	9	7	6	11	5	90
18:00	3	8	5	5	9	2	8	7	7	8	6	9	77
19:00	3	4	6	2	4	3	7	3	1	2	3	3	41
20:00	4	4	5	2	3	5	1	2	2	3	4	2	37
21:00	4	2	1	2	0	5	5	5	3	1	0	1	29
22:00	1	0	3	4	0	4	1	1	1	0	3	0	18
23:00	3	0	1	1	2	1	2	0	0	0	0	0	10

Daily Total: 1179

AM Peak Hour: 102 (07:20 - 08:20)

8.65% Of Daily Total

PM Peak Hour: 106 (16:05 - 17:05)

8.99% Of Daily Total

4th Highest Hour: 90 (15:00 - 16:00)

7.63% Of Daily Total

8th Highest Hour: 74 (14:00 - 15:00)

6.27% Of Daily Total

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

Roadway: NW 11TH AVENUE
 Location: SOUTH OF 179TH STREET

Date: 09/17/03
 Day of Week: Wednesday

NB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	1	1	0	0	0	2
02:00	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	1	0	0	0	0	1
04:00	0	0	0	0	0	1	0	0	0	1	0	0	2
05:00	0	0	1	0	0	0	0	0	0	0	0	3	4
06:00	0	2	0	3	0	1	1	3	0	0	0	1	11
07:00	9	3	6	3	2	3	3	4	4	4	6	4	51
08:00	2	2	5	1	2	1	1	1	5	5	6	3	34
09:00	4	4	2	3	2	0	1	2	2	2	2	2	26
10:00	4	1	2	1	4	3	1	2	1	4	4	0	27
11:00	1	4	5	3	4	2	1	3	3	5	6	4	41
12:00	2	5	1	2	3	1	3	3	4	3	1	4	32
13:00	6	3	2	1	1	3	2	1	5	2	9	0	35
14:00	5	1	3	3	2	0	5	4	4	2	7	4	40
15:00	6	3	5	4	4	7	6	7	13	3	4	4	66
16:00	6	4	7	8	5	8	8	3	4	3	6	0	62
17:00	3	4	6	6	2	5	6	2	5	7	6	3	55
18:00	2	1	6	0	6	3	1	4	4	5	5	4	41
19:00	3	0	3	4	0	3	2	1	1	3	4	0	24
20:00	1	0	1	1	7	5	3	5	3	3	1	2	32
21:00	1	0	0	1	0	1	2	0	0	0	0	2	7
22:00	3	0	1	0	0	2	0	0	1	1	0	0	8
23:00	0	0	0	0	1	0	0	0	1	0	0	0	2

Daily Total: 604

AM Peak Hour: 51 (07:00 - 08:00)

8.44% Of Daily Total

PM Peak Hour: 77 (15:35 - 16:35)

12.7% Of Daily Total

4th Highest Hour: 51 (07:00 - 08:00)

8.44% Of Daily Total

8th Highest Hour: 35 (13:00 - 14:00)

5.79% Of Daily Total

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

Roadway: NW 11TH AVENUE
 Location: NORTH OF 179TH STREET

Date: 09/17/03
 Day of Week: Wednesday

NB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	0	0	1	1	0	0	0	0	0	0	0	0	2
01:00	0	0	0	1	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	2	0	0	0	0	2
03:00	0	0	0	0	0	0	6	0	1	1	0	0	8
04:00	0	0	0	0	0	0	0	0	0	0	1	0	1
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	1	1	1	0	1	0	0	0	4
07:00	1	5	3	2	1	2	2	0	0	3	1	3	23
08:00	1	1	2	0	1	1	0	0	0	3	6	4	19
09:00	3	2	4	2	1	2	0	2	1	2	3	0	22
10:00	1	0	4	0	3	2	1	1	0	3	2	2	19
11:00	1	1	5	4	0	0	1	2	0	5	2	3	24
12:00	0	1	1	0	2	2	1	1	4	5	3	0	20
13:00	6	0	2	7	2	2	2	2	0	1	6	2	32
14:00	2	3	3	3	1	1	0	1	4	1	2	2	23
15:00	1	3	5	7	3	1	2	0	3	9	3	1	38
16:00	2	5	5	3	6	1	6	2	2	3	7	0	42
17:00	2	2	3	4	2	4	6	4	10	4	4	3	48
18:00	5	7	1	2	1	3	2	5	4	3	5	4	42
19:00	3	1	2	3	3	2	1	1	2	3	2	1	24
20:00	0	1	0	0	1	2	3	2	5	3	1	0	18
21:00	2	0	0	0	1	1	0	1	1	0	0	0	6
22:00	2	2	2	1	1	0	1	0	0	1	0	0	10
23:00	2	0	0	0	0	2	2	0	0	1	0	1	8

Daily Total: 436

AM Peak Hour: 30 (08:45 - 09:45)

6.88% Of Daily Total

PM Peak Hour: 56 (17:10 - 18:10)

12.8% Of Daily Total

4th Highest Hour: 38 (15:00 - 16:00)

8.71% Of Daily Total

8th Highest Hour: 23 (07:00 - 08:00)

5.27% Of Daily Total

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

Roadway: NW 11TH AVENUE
 Location: NORTH OF NW 179TH STREET

Date: 09/17/03
 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	1	0	0	0	0	0	0	1	0	2
01:00	1	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	1	0	0	0	0	0	0	1
03:00	0	0	0	0	0	1	0	0	0	0	0	1	2
04:00	0	0	0	0	0	0	0	1	0	0	2	0	3
05:00	0	0	1	0	0	1	1	2	0	3	0	1	9
06:00	1	2	4	4	0	3	1	1	1	3	3	1	24
07:00	1	4	1	2	3	1	3	2	3	4	3	1	28
08:00	4	1	1	3	2	2	1	3	5	0	5	7	34
09:00	1	4	1	3	4	1	2	0	3	0	2	1	22
10:00	4	3	1	1	2	2	0	0	2	4	3	3	25
11:00	4	1	3	0	1	2	2	1	4	2	4	3	27
12:00	3	2	2	2	2	0	2	1	0	0	2	1	17
13:00	4	1	1	2	0	2	3	3	0	3	2	1	22
14:00	1	0	1	1	3	2	1	2	1	2	2	2	18
15:00	0	2	4	6	1	5	6	1	2	3	0	2	32
16:00	2	3	1	4	1	3	3	2	2	1	3	2	27
17:00	1	3	2	4	1	2	0	1	5	3	1	3	26
18:00	8	2	1	3	1	1	4	1	2	4	5	3	35
19:00	2	0	1	0	1	0	2	0	0	6	2	1	15
20:00	0	2	1	1	0	2	2	0	0	0	2	1	11
21:00	0	0	1	2	1	2	0	1	0	0	2	1	10
22:00	1	0	0	2	0	0	0	0	0	0	0	0	3
23:00	0	0	0	0	1	0	0	0	0	1	0	1	3

Daily Total: 397

AM Peak Hour: 36 (08:25 - 09:25)

9.06% Of Daily Total

PM Peak Hour: 35 (15:10 - 16:10)

8.81% Of Daily Total

4th Highest Hour: 28 (07:00 - 08:00)

7.05% Of Daily Total

8th Highest Hour: 25 (10:00 - 11:00)

6.29% Of Daily Total

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

Roadway: NW 11TH AVENUE
 Location: SOUTH OF NW 179TH STREET

Date: 09/17/03
 Day of Week: Wednesday

SB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	1	0	0	0	0	0	0	0	0	0	1	0	2
01:00	1	0	0	0	0	0	0	2	0	0	0	0	3
02:00	0	0	0	0	0	1	0	0	1	0	0	0	2
03:00	0	0	0	0	0	0	1	1	0	0	0	0	2
04:00	1	0	0	0	0	0	0	0	1	0	0	0	2
05:00	0	0	0	0	0	0	0	0	0	0	1	0	1
06:00	0	0	0	2	0	0	3	1	4	3	5	4	22
07:00	2	4	2	7	4	1	3	2	1	3	4	1	34
08:00	5	3	3	5	5	3	1	8	5	3	2	1	44
09:00	8	0	2	1	5	3	3	1	4	0	1	3	31
10:00	4	4	4	3	5	3	0	5	1	5	2	8	44
11:00	4	2	3	1	0	3	4	0	7	2	5	4	35
12:00	6	3	4	4	3	1	3	4	3	1	4	4	40
13:00	3	4	1	0	1	0	6	2	0	4	3	0	24
14:00	1	2	0	0	6	1	2	5	0	1	2	1	21
15:00	4	3	6	5	5	4	4	3	0	8	2	3	47
16:00	4	3	3	5	1	6	4	4	2	3	6	10	51
17:00	7	3	7	2	3	6	8	5	6	2	5	6	60
18:00	6	3	3	0	5	6	2	2	4	7	5	4	47
19:00	1	1	3	6	1	2	2	1	1	1	4	2	25
20:00	3	3	2	3	1	1	4	2	3	0	1	2	25
21:00	4	1	0	1	2	2	2	0	1	2	0	3	18
22:00	0	1	0	3	0	0	1	0	0	0	1	0	6
23:00	0	0	0	0	1	0	0	1	0	0	0	0	2

Daily Total: 588

AM Peak Hour: 47 (08:05 - 09:05)

7.99% Of Daily Total

PM Peak Hour: 66 (16:45 - 17:45)

11.2% Of Daily Total

4th Highest Hour: 47 (18:00 - 19:00)

7.99% Of Daily Total

8th Highest Hour: 35 (11:00 - 12:00)

5.95% Of Daily Total