

Roadway Survey Field Sheet

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

Location: NE 78TH ST. + NE 162ND AV

Location ID: _____ City: VANCOUVER

Type Of Survey

- Volume
- Speed
- Classification

Start Date: 9/02/03

S M T W T F S

End Date: 9/04/03

S M T W T F S

Counters 6

Tubes 6

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

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	DIRECTION																		
Type <u>A MAX</u> No. _____ Box _____ Tube Length <u>40</u> <input type="checkbox"/> Hammer Test	DIRECTION: <input type="checkbox"/> East Bound <input type="checkbox"/> West Bound <input type="checkbox"/> North Bound <input type="checkbox"/> South Bound <input type="checkbox"/> Approach COMBINED: <input type="checkbox"/> East / West <input type="checkbox"/> North / South DRWY: <input type="checkbox"/> Combined <input type="checkbox"/> In-Bound <input type="checkbox"/> Out-Bound ROAD: <input checked="" type="checkbox"/> Dry <input type="checkbox"/> Wet <input type="checkbox"/> Asphalt <input type="checkbox"/> Concrete <input type="checkbox"/> Broken <input type="checkbox"/> Rutted <input type="checkbox"/> Curved																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CHECK</th> <th>DATE</th> <th>TIME</th> </tr> </thead> <tbody> <tr><td>P F</td><td></td><td></td></tr> <tr><td>P F</td><td></td><td></td></tr> <tr><td>P F</td><td></td><td></td></tr> <tr><td>P F</td><td></td><td></td></tr> <tr><td>P F</td><td></td><td></td></tr> </tbody> </table>	CHECK	DATE	TIME	P F			P F			P F			P F			P F			
CHECK	DATE	TIME																	
P F																			
P F																			
P F																			
P F																			
P F																			
PICK-UP <input type="checkbox"/> Hammer Test Date: _____ Time: _____																			
FILE NAMES <u>04 78 SE 73</u> <u>04 78 SW 55</u> <u>04 162 N 71</u> <u>04 162 N 75</u> <u>04 162 S 53</u> <u>04 162 S 76</u>																			
Remarks: _____ WEATHER: <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rain <input type="checkbox"/> Snow																			
Surveyed By: <u>M.P.</u> 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 78TH STREET
 Location: WEST OF 162ND AVENUE

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

EB 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	1	0	0	1	2
01:00	0	0	0	0	0	0	1	0	0	1	2	0	4
02:00	1	0	1	0	0	0	0	0	1	1	0	0	4
03:00	0	1	0	0	0	0	0	0	0	0	0	2	3
04:00	1	1	1	0	0	0	1	4	1	2	3	2	16
05:00	0	0	1	0	1	4	3	3	4	1	10	1	28
06:00	6	4	11	3	3	6	3	15	6	8	10	10	85
07:00	7	7	9	14	10	12	10	14	10	9	16	16	134
08:00	8	17	7	6	8	12	5	14	13	8	7	3	108
09:00	4	5	5	6	3	4	3	9	6	6	5	4	60
10:00	5	7	2	5	0	6	7	4	4	7	5	5	57
11:00	8	6	5	10	7	5	5	5	8	12	4	6	81
12:00	10	8	11	10	6	8	5	4	6	5	5	7	85
13:00	6	7	8	9	6	9	6	4	4	5	7	6	77
14:00	3	2	6	7	7	8	14	10	7	10	11	13	98
15:00	12	5	9	4	7	5	9	7	10	14	8	7	97
16:00	14	9	8	9	10	12	7	11	12	7	9	16	124
17:00	6	12	24	10	14	14	9	22	6	15	11	10	153
18:00	8	4	10	14	7	9	9	13	9	15	9	13	120
19:00	7	7	12	10	9	11	4	10	5	6	8	6	95
20:00	5	8	6	7	4	13	8	1	3	2	6	4	67
21:00	2	2	4	6	0	3	5	0	4	3	3	1	33
22:00	2	4	1	7	3	2	2	6	1	3	0	2	33
23:00	1	2	1	5	0	1	1	1	0	0	0	1	13

Daily Total: 1577

AM Peak Hour: 145 (07:10 - 08:10)

9.19% Of Daily Total

PM Peak Hour: 159 (16:55 - 17:55)

10.0% Of Daily Total

4th Highest Hour: 120 (18:00 - 19:00)

7.60% Of Daily Total

8th Highest Hour: 95 (19:00 - 20:00)

6.02% 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 78TH STREET
 Location: WEST OF 162ND 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	2	0	2	2	0	0	0	0	1	1	10
01:00	1	0	0	1	0	1	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	1	0	0	0	0	0	1
03:00	0	0	0	0	0	1	0	0	1	0	1	0	3
04:00	0	2	1	0	0	1	1	1	0	0	2	2	10
05:00	0	0	0	1	0	1	0	2	3	0	2	2	11
06:00	3	3	1	1	4	6	3	2	7	8	9	7	54
07:00	11	3	7	7	6	18	9	15	8	12	9	9	114
08:00	4	8	2	2	7	1	11	4	1	3	3	6	52
09:00	2	4	1	4	6	3	4	1	6	3	5	2	41
10:00	3	3	5	5	3	4	3	1	6	6	3	7	49
11:00	5	3	4	3	7	8	2	3	10	6	7	8	66
12:00	6	6	5	3	7	3	3	11	2	5	7	5	63
13:00	3	7	8	3	2	1	6	3	0	7	5	3	48
14:00	4	4	5	11	5	5	5	3	4	10	5	5	66
15:00	5	10	12	4	10	9	8	7	6	12	8	8	99
16:00	7	10	6	5	18	10	13	6	8	7	8	10	108
17:00	15	14	11	8	12	9	17	6	20	9	12	8	141
18:00	7	10	4	7	11	9	1	11	7	8	8	11	94
19:00	15	5	9	10	7	7	4	9	9	10	2	4	91
20:00	5	7	4	11	10	3	6	8	2	3	3	4	66
21:00	3	7	4	5	3	1	2	1	2	5	2	3	38
22:00	4	3	3	4	1	4	1	0	5	0	1	0	26
23:00	0	1	2	2	0	1	0	1	2	2	0	1	12

Daily Total: 1266

AM Peak Hour: 114 (07:00 - 08:00)

9.00% Of Daily Total

PM Peak Hour: 143 (16:55 - 17:55)

11.2% Of Daily Total

4th Highest Hour: 99 (15:00 - 16:00)

7.81% Of Daily Total

8th Highest Hour: 66 (14:00 - 15:00)

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: 162ND AVENUE
 Location: NORTH OF NE 78TH 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	4	11	6	2	1	6	2	2	2	5	2	5	48
01:00	3	2	2	0	3	3	1	1	1	1	4	0	21
02:00	3	0	5	0	0	0	1	0	1	0	1	1	12
03:00	0	0	4	0	0	3	0	1	0	1	1	1	11
04:00	1	1	0	0	2	0	0	0	3	1	5	0	13
05:00	1	2	1	5	2	2	1	4	8	10	5	8	49
06:00	5	6	7	9	10	11	14	17	20	27	26	21	173
07:00	12	20	24	23	14	33	25	34	32	33	24	35	309
08:00	31	25	14	16	17	22	28	18	25	22	17	22	257
09:00	17	13	14	22	16	32	22	26	17	33	22	25	259
10:00	23	28	19	18	32	17	13	19	20	17	24	13	243
11:00	16	24	14	21	25	28	20	28	21	25	18	17	257
12:00	30	29	17	36	34	41	30	18	26	16	21	27	325
13:00	28	27	27	26	24	19	34	40	24	20	19	20	308
14:00	31	33	27	19	13	23	30	29	34	23	42	30	334
15:00	29	33	30	25	40	34	48	51	31	49	48	50	468
16:00	35	51	39	60	52	43	44	54	42	39	68	47	574
17:00	41	41	55	33	68	67	46	52	61	60	35	55	614
18:00	57	40	41	37	50	44	32	40	39	41	32	38	491
19:00	37	35	40	44	35	32	29	22	33	29	27	42	405
20:00	30	34	30	31	25	16	32	19	31	22	21	18	309
21:00	22	18	31	20	19	15	28	9	21	8	18	17	226
22:00	16	11	12	11	11	10	9	12	7	3	12	9	123
23:00	3	1	5	7	8	8	2	2	8	2	3	7	56

Daily Total: 5885

AM Peak Hour: 333 (07:10 - 08:10)

5.65% Of Daily Total

PM Peak Hour: 639 (16:50 - 17:50)

10.8% Of Daily Total

4th Highest Hour: 468 (15:00 - 16:00)

7.95% Of Daily Total

8th Highest Hour: 309 (07:00 - 08:00)

5.25% Of Daily Total

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

Roadway: 162ND AVENUE
 Location: NORTH OF NE 78TH 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	3	1	1	0	0	2	2	4	2	6	0	2	23
01:00	0	2	0	1	0	2	0	1	2	1	2	0	11
02:00	1	4	2	1	0	1	1	1	0	0	1	0	12
03:00	0	1	2	2	0	1	2	1	3	1	0	2	15
04:00	4	2	2	3	6	2	2	5	1	4	5	5	41
05:00	8	3	5	7	12	11	9	14	10	11	23	14	127
06:00	26	12	19	20	21	18	17	43	31	28	39	31	305
07:00	26	31	26	35	33	35	27	43	49	37	34	53	429
08:00	31	35	29	41	33	25	36	20	31	32	23	14	350
09:00	20	20	21	17	27	33	20	14	25	15	28	17	257
10:00	20	10	18	21	14	19	21	20	17	20	23	14	217
11:00	23	22	18	23	23	20	26	14	14	19	21	26	249
12:00	23	27	22	20	21	25	18	17	28	35	27	23	286
13:00	17	23	26	23	20	15	34	13	20	24	24	23	262
14:00	23	25	17	28	23	20	25	17	25	33	28	30	294
15:00	24	22	29	26	27	20	20	36	31	32	24	27	318
16:00	26	36	28	26	28	31	25	33	33	33	31	23	353
17:00	24	44	26	50	34	33	39	28	31	32	28	26	395
18:00	34	22	34	32	31	29	21	37	21	24	27	26	338
19:00	19	11	25	30	9	14	15	16	27	14	26	27	233
20:00	14	17	14	24	12	21	17	8	13	20	26	12	198
21:00	16	11	6	16	12	6	11	7	12	12	8	8	125
22:00	14	8	6	9	5	9	5	7	8	7	4	4	86
23:00	0	5	4	11	3	7	5	2	3	6	2	1	49

Daily Total: 4973

AM Peak Hour: 447 (07:20 - 08:20)

8.98% Of Daily Total

PM Peak Hour: 405 (17:05 - 18:05)

8.14% Of Daily Total

4th Highest Hour: 350 (08:00 - 09:00)

7.03% Of Daily Total

8th Highest Hour: 294 (14:00 - 15:00)

5.91% Of Daily Total

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

Roadway: 162ND AVENUE
 Location: SOUTH OF NE 78TH 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	10	7	9	2	3	8	2	3	2	4	3	6	59
01:00	4	2	2	2	1	4	1	1	1	1	3	0	22
02:00	3	0	4	0	0	0	2	1	0	0	1	1	12
03:00	0	1	3	0	0	4	0	1	0	2	1	1	13
04:00	2	0	1	0	2	1	1	0	3	2	5	2	19
05:00	1	2	2	5	2	2	1	4	10	10	6	8	53
06:00	6	10	8	12	10	12	18	16	23	33	26	23	197
07:00	19	25	23	30	19	47	28	39	33	38	27	47	375
08:00	22	30	16	20	18	22	33	20	27	27	16	25	276
09:00	18	16	13	29	20	34	26	24	32	26	27	27	292
10:00	22	29	24	17	31	23	22	17	24	22	23	18	272
11:00	19	25	18	27	29	31	25	34	28	30	29	21	316
12:00	28	31	31	33	35	40	37	29	29	21	28	34	376
13:00	33	31	26	32	23	20	37	43	25	27	18	26	341
14:00	32	40	22	34	22	27	25	41	35	33	40	41	392
15:00	31	41	36	32	47	50	52	50	43	56	54	49	541
16:00	56	52	53	58	65	67	59	53	49	56	72	60	700
17:00	48	63	62	45	82	67	74	55	77	67	56	59	755
18:00	67	52	46	42	56	49	33	63	38	58	35	45	584
19:00	50	42	56	56	43	32	28	33	52	38	32	46	508
20:00	38	36	39	41	34	21	42	23	33	23	26	21	377
21:00	24	25	34	26	15	23	28	16	20	14	21	20	266
22:00	21	16	17	12	17	12	9	8	13	4	16	4	149
23:00	10	2	8	10	8	11	1	3	10	5	1	9	78

Daily Total: 6973

AM Peak Hour: 383 (07:10 - 08:10)

5.49% Of Daily Total

PM Peak Hour: 774 (17:05 - 18:05)

11.0% Of Daily Total

4th Highest Hour: 541 (15:00 - 16:00)

7.75% Of Daily Total

8th Highest Hour: 376 (12:00 - 13:00)

5.39% Of Daily Total

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

Roadway: 162ND AVENUE
 Location: SOUTH OF NE 78TH 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	3	1	1	0	0	2	1	3	4	7	0	2	24
01:00	0	2	0	1	0	2	1	2	1	2	4	1	16
02:00	2	3	3	1	0	1	1	0	1	0	2	1	15
03:00	0	2	1	2	1	1	2	2	2	1	0	4	18
04:00	4	2	4	3	6	1	5	6	4	6	7	9	57
05:00	7	3	6	9	13	15	14	15	15	12	33	21	163
06:00	30	17	33	26	22	27	11	63	32	41	52	37	391
07:00	31	40	36	44	46	35	43	53	55	40	47	52	522
08:00	50	47	44	42	50	31	46	34	38	46	36	18	482
09:00	26	21	28	19	33	39	24	16	30	30	32	20	318
10:00	27	16	18	23	20	27	28	26	20	24	28	21	278
11:00	30	26	21	29	28	27	31	23	23	36	23	33	330
12:00	35	30	27	29	28	34	18	20	36	40	33	28	358
13:00	20	30	32	33	26	28	35	15	25	29	29	25	327
14:00	26	31	19	31	31	22	36	23	31	38	40	40	368
15:00	31	25	37	31	31	25	29	40	44	38	30	34	395
16:00	45	37	39	31	36	42	30	44	44	46	38	37	469
17:00	30	54	48	56	42	47	38	45	39	41	41	29	510
18:00	41	31	38	44	34	39	32	52	33	32	39	34	449
19:00	21	16	37	40	16	23	22	24	31	23	29	31	313
20:00	19	22	24	25	16	32	24	10	15	22	29	20	258
21:00	17	14	9	21	12	8	17	9	14	13	9	8	151
22:00	16	14	7	15	5	10	6	12	8	11	4	6	114
23:00	1	9	10	10	3	9	6	3	2	6	3	1	63

Daily Total: 6389

AM Peak Hour: 558 (07:25 - 08:25)

8.73% Of Daily Total

PM Peak Hour: 525 (16:40 - 17:40)

8.21% Of Daily Total

4th Highest Hour: 469 (16:00 - 17:00)

7.34% Of Daily Total

8th Highest Hour: 368 (14:00 - 15:00)

5.75% Of Daily Total