

Roadway Survey Field Sheet

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

Location: NE 39TH ST. + NE 137TH AVE

Type Of Survey

Volume
 Speed
 Classification

Start Date: 9/23/03

S M T W T F S

End Date: 9/25/03

S M T W T F S

Counters 4

Tubes 8

Location ID: _____

City: VANCOOVER

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)																																		
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	A																																		
Tube Crosses More Than 2 Lanes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 35 Mph	<input type="checkbox"/> 55 Mph	B																																		
SPEED: High _____ Mph Low _____ Mph	<input type="checkbox"/> Other: _____				M																																			
Use 2 Counters if Traffic Conditions are different in each direction.						D																																		

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: M.C.

No. 96 | 52 | 89 | 76

Box X86 | X84 | X36 | J

Tube Length 40

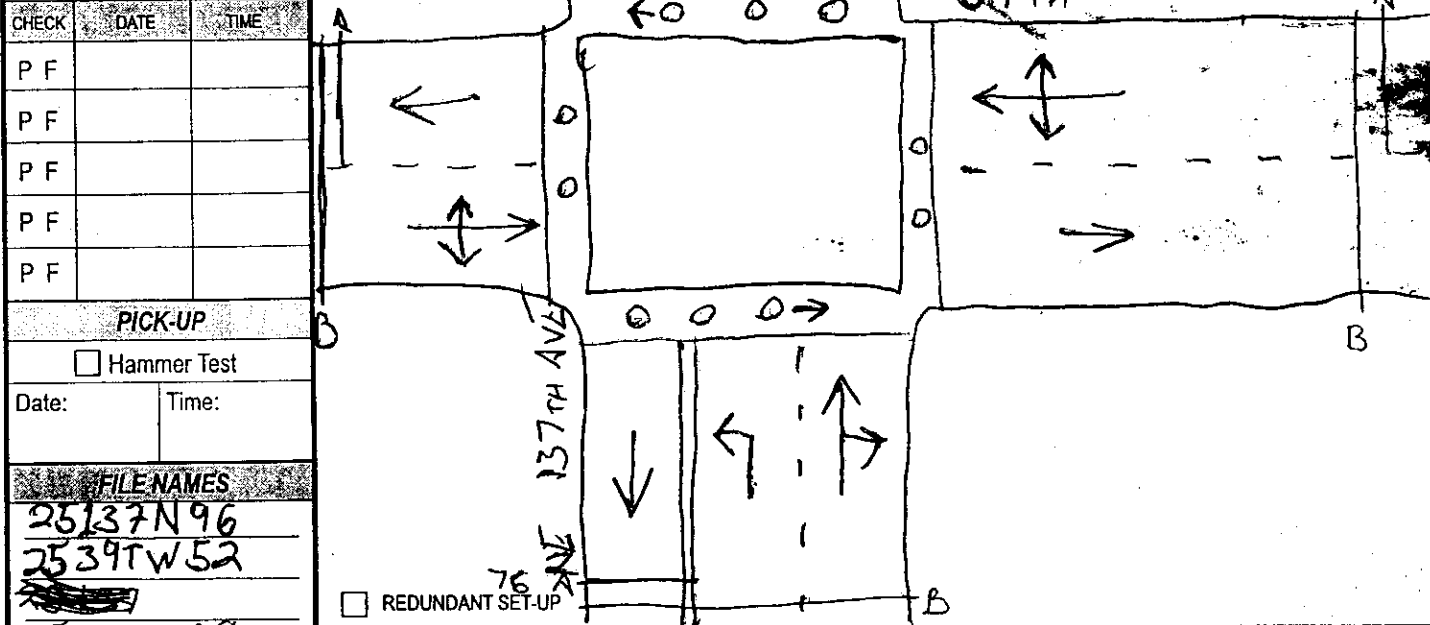
Hammer Test

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



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

PICK-UP

Hammer Test

Date: _____ Time: _____

FILE NAMES

25137N96

2539TW52

2539TE89

25137S76

Remarks: _____ WEATHER: Sunny Overcast Rain Snow

Reds North Leg : NB

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 137TH AVENUE
 Location: NORTH OF 39TH STREET

Date: 09/24/03
 Day of Week: Wednesday

SB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	5	5	4	4	7	3	3	4	3	4	2	0	44
01:00	1	2	3	1	1	3	2	1	3	3	1	4	25
02:00	2	2	2	1	4	4	1	1	1	1	0	2	21
03:00	2	1	0	1	1	1	1	0	2	2	2	0	13
04:00	2	0	4	1	1	2	1	2	4	4	5	5	31
05:00	3	4	4	7	10	4	3	8	15	11	16	15	100
06:00	8	13	22	22	28	30	17	24	23	34	33	36	290
07:00	33	35	33	37	47	51	36	41	44	57	45	45	504
08:00	29	36	30	19	24	28	32	27	38	35	41	43	382
09:00	29	35	45	23	27	37	45	25	30	21	31	23	371
10:00	28	19	27	17	28	24	29	22	26	23	30	33	306
11:00	32	27	27	31	36	38	35	37	42	31	48	36	420
12:00	42	17	28	36	35	29	39	42	29	30	32	30	389
13:00	38	27	36	29	30	34	32	29	35	34	32	37	393
14:00	37	33	40	33	36	35	33	34	30	38	30	46	425
15:00	41	27	54	23	40	32	25	47	45	33	47	50	464
16:00	29	47	52	43	39	43	43	37	28	40	54	53	508
17:00	45	33	45	32	43	49	36	48	42	56	44	44	517
18:00	37	43	35	46	35	35	33	47	42	33	34	39	459
19:00	25	22	29	40	29	29	35	27	33	23	35	20	347
20:00	31	26	24	22	21	28	30	14	31	20	30	20	297
21:00	21	20	25	18	25	17	18	11	16	14	17	9	211
22:00	8	17	18	15	11	19	10	9	10	13	9	7	146
23:00	7	5	8	3	10	6	2	9	8	1	7	2	68

Daily Total: 6731

AM Peak Hour: 504 (07:00 - 08:00)

7.48% Of Daily Total

PM Peak Hour: 536 (16:50 - 17:50)

7.96% Of Daily Total

4th Highest Hour: 464 (15:00 - 16:00)

6.89% Of Daily Total

8th Highest Hour: 393 (13:00 - 14:00)

5.83% 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 137TH AVENUE
 Location: SOUTH OF 39TH STREET

Date: 09/24/03
 Day of Week: Wednesday

SB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	4	2	3	6	3	6	1	4	2	1	0	0	32
01:00	2	3	1	3	3	2	0	2	2	3	1	3	25
02:00	2	1	2	0	1	1	1	0	1	0	2	1	12
03:00	2	0	1	1	0	2	1	1	1	2	1	3	15
04:00	0	4	2	2	2	3	3	5	5	6	3	4	39
05:00	5	5	8	10	6	3	6	10	15	22	18	9	117
06:00	17	25	21	34	38	18	26	23	37	34	40	32	345
07:00	38	43	41	45	44	41	36	51	43	55	45	32	514
08:00	33	33	26	24	27	34	33	28	38	41	38	31	386
09:00	30	38	32	40	39	47	22	37	22	32	28	27	394
10:00	19	31	11	40	23	30	18	25	28	30	39	31	325
11:00	30	31	28	29	39	35	29	42	30	41	39	37	410
12:00	17	29	31	44	30	42	32	20	36	32	31	41	385
13:00	24	32	26	35	24	28	27	33	42	35	33	42	381
14:00	26	37	33	38	34	28	34	30	29	25	41	39	394
15:00	29	38	20	35	25	29	43	33	40	49	39	40	420
16:00	40	54	41	46	38	41	42	30	38	40	47	50	507
17:00	33	40	34	36	47	35	45	38	45	37	42	33	465
18:00	37	34	39	26	34	35	35	39	31	37	35	31	413
19:00	18	28	33	26	29	35	27	25	23	32	25	27	328
20:00	19	16	20	18	25	24	13	24	18	21	18	19	235
21:00	11	19	14	18	14	13	11	11	10	12	9	8	150
22:00	7	15	14	14	10	7	7	12	8	10	5	6	115
23:00	6	6	2	8	4	3	9	5	3	5	4	6	61

Daily Total: 6468

AM Peak Hour: 514 (06:55 - 07:55)

7.94% Of Daily Total

PM Peak Hour: 507 (16:00 - 17:00)

7.83% Of Daily Total

4th Highest Hour: 420 (15:00 - 16:00)

6.49% Of Daily Total

8th Highest Hour: 394 (14:00 - 15:00)

6.09% 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 137TH AVENUE
 Location: SOUTH OF 39TH STREET

Date: 09/24/03
 Day of Week: Wednesday

NB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	2	3	2	2	7	1	8	1	1	2	2	5	36
01:00	4	0	2	1	2	1	2	0	0	2	1	1	16
02:00	2	2	4	2	1	1	2	2	1	2	0	1	20
03:00	1	0	0	2	2	0	1	1	3	0	2	0	12
04:00	1	1	0	2	1	1	3	1	5	0	1	1	17
05:00	2	3	1	3	4	5	6	7	11	7	3	9	61
06:00	14	6	6	9	17	7	14	27	20	23	25	19	187
07:00	20	27	23	21	27	20	17	21	27	28	18	20	269
08:00	22	19	33	16	16	13	29	11	22	13	19	19	232
09:00	25	24	21	35	26	34	37	28	32	26	18	27	333
10:00	22	33	20	30	22	25	30	23	20	20	28	22	295
11:00	24	22	32	28	31	24	32	30	26	29	38	38	354
12:00	40	37	33	32	32	40	28	31	26	33	42	29	403
13:00	30	26	34	26	36	30	29	25	26	28	49	29	368
14:00	44	44	48	47	30	39	29	29	40	32	45	39	466
15:00	33	34	56	46	49	47	28	42	44	43	41	43	506
16:00	53	40	36	53	54	42	47	50	54	48	44	44	565
17:00	52	45	54	54	67	35	62	50	40	43	35	40	577
18:00	61	47	56	45	50	39	48	37	28	38	39	30	518
19:00	46	35	36	30	35	36	33	24	28	41	24	25	393
20:00	22	19	30	28	15	16	31	19	28	35	15	20	278
21:00	20	23	17	19	22	21	15	21	13	10	12	8	201
22:00	10	15	14	8	4	14	14	12	6	9	13	6	125
23:00	4	11	10	5	8	3	9	3	4	5	1	5	68

Daily Total: 6300

AM Peak Hour: 354 (11:00 - 12:00)

5.61% Of Daily Total

PM Peak Hour: 609 (16:35 - 17:35)

9.66% Of Daily Total

4th Highest Hour: 506 (15:00 - 16:00)

8.03% Of Daily Total

8th Highest Hour: 368 (13:00 - 14:00)

5.84% 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 39TH STREET
 Location: WEST OF NE 137TH AVENUE

Date: 09/24/03
 Day of Week: Wednesday

WB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	0	0	2	0	0	1	1	0	0	1	0	0	5
01:00	0	0	0	2	1	1	0	0	1	0	1	1	7
02:00	1	0	0	1	1	1	1	0	0	0	0	1	6
03:00	0	0	0	0	1	2	0	0	1	0	1	0	5
04:00	0	1	0	1	2	0	1	2	2	4	0	3	16
05:00	2	4	2	1	3	4	4	7	3	4	6	3	43
06:00	5	3	7	9	3	5	5	9	11	16	10	18	101
07:00	14	5	14	18	17	26	13	16	20	22	12	18	195
08:00	13	11	9	8	10	14	11	10	8	15	7	22	138
09:00	10	11	7	11	13	14	9	4	4	8	3	7	101
10:00	8	11	4	11	6	6	11	10	4	10	5	14	100
11:00	10	4	5	5	5	6	6	4	8	5	11	10	79
12:00	11	10	5	9	6	14	7	9	11	10	14	5	111
13:00	11	7	8	7	9	9	4	4	14	9	7	8	97
14:00	9	10	8	18	7	9	8	13	18	16	13	10	139
15:00	13	10	15	13	17	15	14	13	13	11	10	19	163
16:00	19	14	12	11	10	15	13	15	17	9	22	15	172
17:00	12	9	14	13	17	18	13	12	15	17	8	11	159
18:00	13	19	10	16	17	13	17	16	10	18	9	9	167
19:00	12	9	5	8	9	10	10	8	16	8	7	11	113
20:00	7	7	6	7	8	3	6	7	3	9	8	4	75
21:00	14	5	2	8	3	9	1	3	4	3	2	3	57
22:00	5	13	1	4	3	0	3	2	6	5	3	3	48
23:00	2	1	3	3	1	1	2	0	1	0	1	1	16

Daily Total: 2113

AM Peak Hour: 200 (07:10 - 08:10)

9.46% Of Daily Total

PM Peak Hour: 177 (16:50 - 17:50)

8.37% Of Daily Total

4th Highest Hour: 163 (15:00 - 16:00)

7.71% Of Daily Total

8th Highest Hour: 113 (19:00 - 20:00)

5.34% 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 39TH STREET
 Location: WEST OF NE 137TH AVENUE

Date: 09/24/03
 Day of Week: Wednesday

EB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	1	1	0	1	1	1	0	1	1	0	0	0	7
01:00	0	1	0	0	0	0	0	0	0	2	2	1	6
02:00	0	0	0	0	0	0	1	1	0	0	0	0	2
03:00	0	1	0	0	1	0	1	1	0	0	1	0	5
04:00	0	1	1	0	1	0	2	0	0	0	0	0	5
05:00	0	2	0	2	5	2	1	3	3	4	2	3	27
06:00	2	1	2	2	4	3	4	8	4	6	5	10	51
07:00	12	11	9	7	6	9	9	7	7	15	7	5	104
08:00	5	6	5	12	7	9	4	5	4	8	10	16	91
09:00	5	5	8	21	12	3	7	3	5	4	8	5	86
10:00	7	4	1	3	10	7	1	5	4	3	5	7	57
11:00	5	5	7	6	5	7	2	4	8	8	12	8	77
12:00	5	3	11	5	4	8	4	9	12	11	3	8	83
13:00	6	0	6	4	8	8	10	5	8	15	12	9	91
14:00	9	7	12	13	14	8	13	8	16	9	10	11	130
15:00	5	8	12	6	8	19	21	15	17	12	12	8	143
16:00	10	25	12	17	14	14	19	15	9	11	15	19	180
17:00	19	13	18	19	16	18	13	16	13	21	14	14	194
18:00	14	7	14	14	12	8	13	11	8	14	17	10	142
19:00	11	8	4	6	8	6	12	7	10	6	13	10	101
20:00	9	9	4	6	4	6	10	7	5	8	5	12	85
21:00	4	5	5	4	7	4	5	5	5	6	6	1	57
22:00	4	0	4	6	4	4	3	5	6	3	2	1	42
23:00	5	1	2	4	1	1	3	0	0	5	1	1	24

Daily Total: 1790

AM Peak Hour: 109 (06:55 - 07:55)

6.08% Of Daily Total

PM Peak Hour: 200 (16:50 - 17:50)

11.1% Of Daily Total

4th Highest Hour: 142 (18:00 - 19:00)

7.93% Of Daily Total

8th Highest Hour: 91 (08:00 - 09:00)

5.08% 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 39TH STREET
 Location: EAST OF NE 137TH AVENUE

Date: 09/24/03
 Day of Week: Wednesday

WB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	1	2	2	0	1	2	1	0	0	1	1	0	11
01:00	0	0	3	3	0	2	2	0	1	0	0	3	14
02:00	0	0	0	3	0	1	1	1	0	1	0	1	8
03:00	0	0	0	0	2	0	0	2	4	1	1	4	14
04:00	1	1	1	2	7	2	4	2	3	5	3	8	39
05:00	6	8	6	3	8	11	6	13	10	16	10	10	107
06:00	7	16	15	22	12	19	19	23	16	23	21	32	225
07:00	16	26	35	34	32	31	44	34	29	34	32	21	368
08:00	28	20	19	22	17	32	16	22	25	28	21	5	255
09:00	25	15	15	16	17	18	18	16	11	12	12	9	184
10:00	13	18	10	15	7	17	17	9	25	12	14	16	173
11:00	18	11	22	10	15	14	9	11	15	15	16	17	173
12:00	13	16	7	17	12	17	7	12	21	10	12	14	158
13:00	17	11	18	15	15	12	9	20	14	15	16	10	172
14:00	26	14	15	16	15	13	18	18	25	16	17	21	214
15:00	14	11	17	26	10	21	18	15	17	27	26	23	225
16:00	28	18	23	18	15	18	20	20	17	17	23	17	234
17:00	14	29	19	18	21	14	25	22	24	21	15	14	236
18:00	25	23	21	22	22	21	19	28	21	20	21	22	265
19:00	16	14	16	11	18	20	23	18	18	13	7	15	189
20:00	8	9	15	15	12	13	11	12	8	5	11	5	124
21:00	15	2	11	9	7	8	5	7	7	7	10	2	90
22:00	15	8	7	9	1	1	5	4	10	10	7	2	79
23:00	5	1	4	4	1	4	3	3	0	1	2	0	28

Daily Total: 3585

AM Peak Hour: 380 (07:05 - 08:05)

10.5% Of Daily Total

PM Peak Hour: 265 (18:00 - 19:00)

7.39% Of Daily Total

4th Highest Hour: 236 (17:00 - 18:00)

6.58% Of Daily Total

8th Highest Hour: 214 (14:00 - 15:00)

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 39TH STREET
 Location: EAST OF NE 137TH AVENUE

Date: 09/24/03
 Day of Week: Wednesday

EB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	3	2	0	1	3	0	4	0	1	0	0	2	16
01:00	1	2	1	0	1	1	0	2	1	3	3	0	15
02:00	1	1	0	3	1	1	0	3	0	0	0	2	12
03:00	0	1	0	2	0	0	1	0	1	0	1	0	6
04:00	1	1	1	0	1	0	1	0	1	0	1	1	8
05:00	0	2	1	3	5	1	5	3	3	5	3	5	36
06:00	4	2	2	3	6	2	8	2	6	11	6	12	64
07:00	16	14	12	21	14	10	11	17	17	14	7	4	157
08:00	12	8	16	11	9	4	4	16	4	11	14	7	116
09:00	9	11	10	10	8	10	8	7	7	9	7	9	105
10:00	13	8	6	11	13	9	12	8	7	7	7	7	108
11:00	4	9	19	15	12	15	8	14	12	17	16	16	157
12:00	14	9	16	8	7	16	11	23	12	13	9	9	147
13:00	10	11	15	8	16	24	18	14	10	14	24	7	171
14:00	22	16	26	31	20	21	21	13	16	16	28	16	246
15:00	8	19	19	15	18	28	26	31	21	25	17	14	241
16:00	26	26	23	27	24	38	20	27	13	34	30	26	314
17:00	35	25	28	37	30	22	24	28	34	31	25	32	351
18:00	21	21	29	28	20	25	27	21	17	21	31	15	276
19:00	16	17	19	12	17	15	21	28	20	20	18	13	216
20:00	13	14	16	17	13	18	13	21	11	24	13	17	190
21:00	14	19	9	13	16	10	13	14	11	12	10	5	146
22:00	15	7	9	7	9	8	4	8	6	7	5	4	89
23:00	7	6	4	5	6	2	5	4	0	4	0	3	46

Daily Total: 3233

AM Peak Hour: 165 (06:55 - 07:55)

5.10% Of Daily Total

PM Peak Hour: 353 (16:45 - 17:45)

10.9% Of Daily Total

4th Highest Hour: 246 (14:00 - 15:00)

7.60% Of Daily Total

8th Highest Hour: 171 (13:00 - 14:00)

5.28% Of Daily Total

Roadway Survey Field Sheet

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

Location: NE 39TH ST + NE 137TH AVE

Type of Survey

- Volume
- Speed
- Classification
- _____

Start Date: 9/30/03

S M T W T F S

End Date: 10/02/03

S M T W T F S

Counters _____

Tubes _____

Location ID: _____

City: VANCOUVER

SITE EVALUATION	POSTED SPEED	DWELL TIME																														
<p>Vehicles Crossing Tube Perpendicular <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> ???</p> <p>Do You Anticipate Queuing Across Tube <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> ???</p> <p>Speed Greater Than 20 Miles / Hour <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> ???</p> <p>Tube Crosses More Than 2 Lanes <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> ???</p> <p>SPEED: High _____ Mph Low _____ Mph</p>	<p><input type="checkbox"/> None <input type="checkbox"/> 40 Mph</p> <p><input type="checkbox"/> 25 Mph <input type="checkbox"/> 45 Mph</p> <p><input type="checkbox"/> 30 Mph <input type="checkbox"/> 50 Mph</p> <p><input checked="" type="checkbox"/> 35 Mph <input type="checkbox"/> 55 Mph</p> <p><input type="checkbox"/> Other: _____</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <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> <p>Use 2 Counters if Traffic Conditions are different in each direction.</p> <p>DWELL (TAD, TBD) _____</p>	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																											

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: AMAX

No.: 14

Box: _____

Tube Length: _____

Hammer Test

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

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



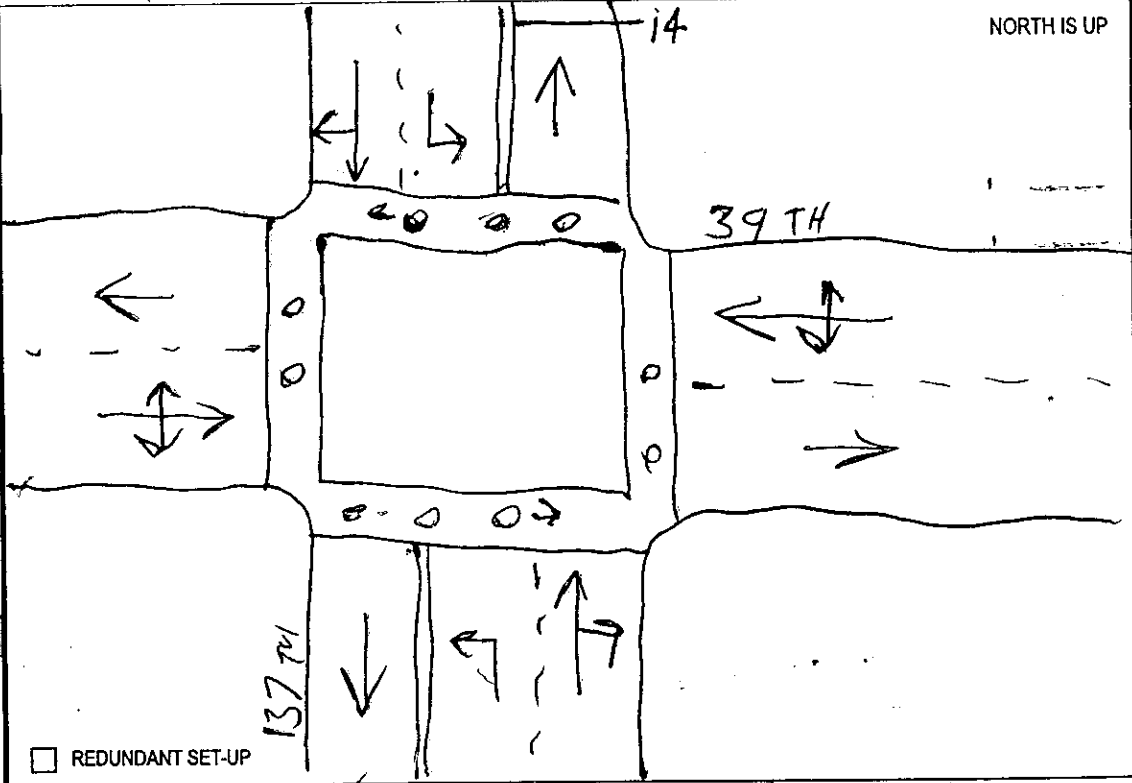
PICK-UP

Hammer Test

Date: 10/02/03 Time: 12:20

FILE NAMES

02137N14



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 137TH AVENUE
 Location: NORTH OF 39TH STREET

Date: 10/01/03
 Day of Week: Wednesday

NB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	2	4	6	3	2	5	0	2	1	5	3	1	34
01:00	2	4	2	2	1	2	1	3	0	1	2	0	20
02:00	2	5	0	0	2	2	3	4	3	1	0	1	23
03:00	1	0	1	0	2	0	3	1	0	2	1	2	13
04:00	3	0	1	1	1	4	0	2	4	1	3	1	21
05:00	5	3	3	5	5	4	8	8	15	14	6	11	87
06:00	8	17	15	12	18	18	15	38	29	34	15	21	240
07:00	30	37	21	37	36	29	27	36	38	31	41	28	391
08:00	18	26	26	30	31	32	35	32	25	25	32	19	331
09:00	26	21	24	24	27	23	24	25	46	32	24	32	328
10:00	18	33	38	24	35	32	15	27	25	31	26	23	327
11:00	38	26	33	37	33	36	35	41	34	37	27	24	401
12:00	51	28	34	35	40	32	37	32	38	39	23	28	417
13:00	39	19	36	31	27	31	42	48	36	39	47	40	435
14:00	37	50	40	42	48	47	42	46	50	36	43	41	522
15:00	48	51	41	41	45	40	45	45	38	42	33	56	525
16:00	52	46	38	34	49	43	47	52	46	36	61	28	532
17:00	59	55	45	52	45	55	39	39	60	42	50	50	591
18:00	49	40	33	41	32	34	37	52	35	44	39	30	466
19:00	31	29	34	30	40	26	23	30	22	31	21	18	335
20:00	20	22	25	19	27	26	17	22	29	15	17	20	259
21:00	20	26	22	14	16	13	15	11	14	15	11	3	180
22:00	12	7	18	8	18	12	6	8	8	12	8	5	122
23:00	3	8	5	8	5	6	6	2	3	7	1	4	58

Daily Total: 6658

AM Peak Hour: 401 (11:00 - 12:00)

6.02% Of Daily Total

PM Peak Hour: 591 (17:00 - 18:00)

8.87% Of Daily Total

4th Highest Hour: 522 (14:00 - 15:00)

7.84% Of Daily Total

8th Highest Hour: 401 (11:00 - 12:00)

6.02% Of Daily Total