

# Roadway Survey Field Sheet

TS Project #

04-108

Map

Grid

Start Time

7:30

# Of Days

Location: MILL PLAIN + BROADWAY

City: VANCOUVER

Location ID:

**Type Of Survey**

- Volume
- Speed
- Classification

Start Date: 3/15/04

End Date: 3/17/04

S (M) T W T F S  
S M T (W) T F S

Counters

3

Tubes

3

**SITE EVALUATION**

- |                                       |                                     |                                     |                                     |
|---------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
|                                       | YES                                 | NO                                  | ???                                 |
| Vehicles Crossing Tube Perpendicular  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Do You Anticipate Queuing Across Tube | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Speed Greater Than 20 Miles / Hour    | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Tube Crosses More Than 2 Lanes        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
- SPEED: High \_\_\_\_\_ Mph Low \_\_\_\_\_ Mph

**POSTED SPEED**

- None
- 25 Mph
- 30 Mph
- 35 Mph
- 40 Mph
- 45 Mph
- 50 Mph
- 55 Mph
- Other: \_\_\_\_\_

**DWELL TIME**

LOWEST SPEED	HIGHEST SPEED				
	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

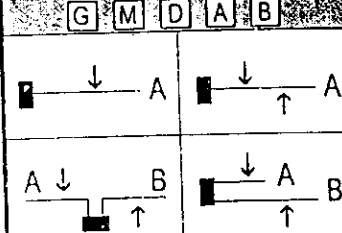
(TAD, TBD)

A [ ] B [ ] M [ ] D [ ]

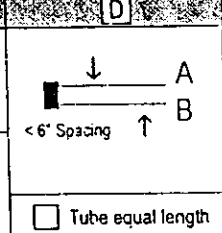
DWELL (TAD, TBD)

Use 2 Counters if Traffic Conditions are different in each direction.

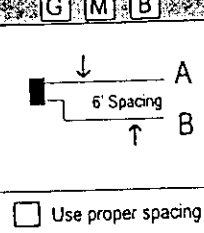
**AXLE STRIKE COUNT**



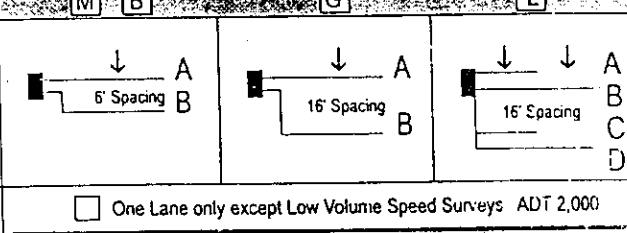
**SYSTEM DELAY LOGIC**



**SPEED LOW VOL**



**VEHICLE SPEED CLASSIFICATION**



**COUNTER / SET DOWN**

Type: AMAX

No.: C-15 C-12

Box: C-29

Tube Length: 40

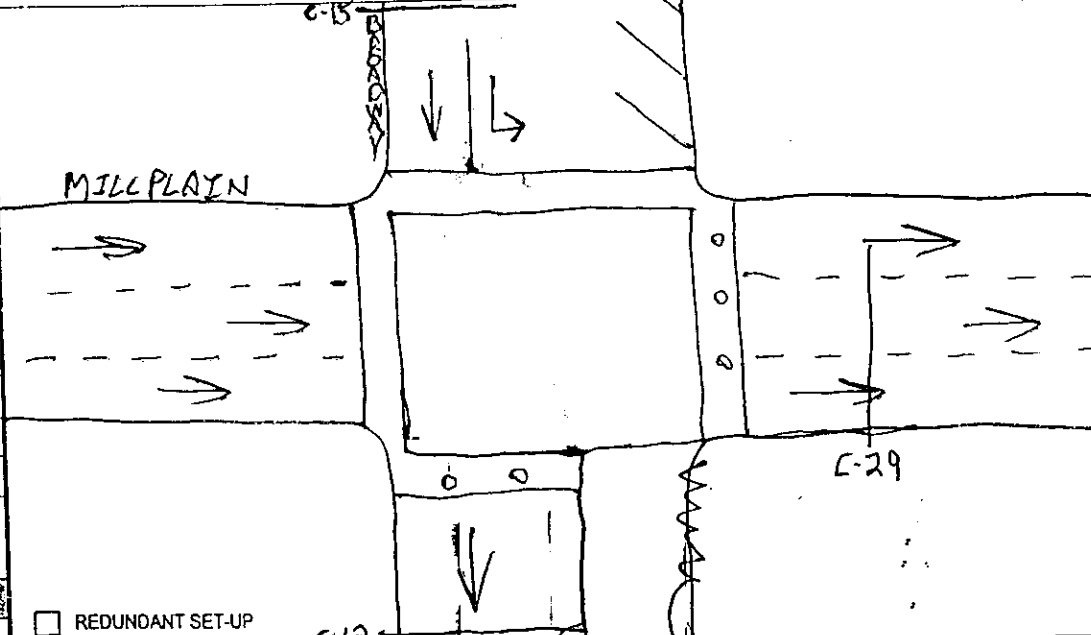
Hammer Test

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: 3/17/04 Time: 11:00

**FILE NAMES**

- 17MILL29
- 17BRDS15
- 17BRDN12

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  
 PORTLAND, OR 97209  
 Phone: 503-641-6333 Fax: 503-643-8866

Roadway: MILL PLAIN  
 Location: EAST OF BROADWAY

Date: 03/16/04  
 Day of Week: Tuesday

EB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	4	8	6	4	6	5	4	2	7	5	2	3	56
01:00	4	3	7	3	6	5	7	2	4	2	5	6	54
02:00	6	8	8	1	0	5	4	9	4	1	3	2	51
03:00	2	2	6	0	8	1	7	3	7	8	3	10	57
04:00	1	7	1	10	6	2	4	8	4	6	7	8	64
05:00	5	10	14	7	12	20	6	11	15	21	21	20	162
06:00	23	29	28	19	40	56	43	65	37	35	52	52	479
07:00	32	45	54	56	52	51	65	50	51	55	53	56	620
08:00	48	36	44	47	48	38	64	62	58	48	56	64	613
09:00	53	47	33	57	58	67	56	94	96	77	62	73	773
10:00	58	70	60	78	82	84	71	69	88	88	89	89	926
11:00	93	79	78	90	78	69	78	87	92	89	64	82	979
12:00	110	92	69	80	77	71	107	78	83	84	63	90	1004
13:00	71	73	104	77	79	95	79	81	81	68	102	81	991
14:00	83	106	88	85	87	78	83	82	79	74	90	96	1031
15:00	99	99	91	59	81	81	88	92	90	103	87	90	1060
16:00	115	99	86	86	97	90	117	112	92	88	85	114	1181
17:00	142	156	126	121	113	93	103	92	63	79	75	70	1233
18:00	65	39	78	58	52	48	52	50	51	34	39	35	601
19:00	43	30	23	43	27	32	37	21	25	24	30	36	371
20:00	18	29	32	21	19	30	18	25	21	17	13	20	263
21:00	19	27	10	17	8	20	11	24	18	15	17	22	208
22:00	14	9	5	11	8	20	11	15	9	8	3	14	127
23:00	9	14	11	13	9	12	6	5	5	12	9	4	109

Daily Total: 13013

AM Peak Hour: 1011 (10:50 - 11:50)

PM Peak Hour: 1359 (16:30 - 17:30)

4th Highest Hour: 1031 (14:00 - 15:00)

8th Highest Hour: 926 (10:00 - 11:00)

7.76% Of Daily Total

10.4% Of Daily Total

7.92% Of Daily Total

7.11% Of Daily Total

**TRAFFIC SMITHY, INC**

1225 NW MURRAY BLVD

PORTLAND, OR 97209

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

Roadway: BROADWAY  
 Location: NORTH OF MILL PLAIN

Date: 03/16/04

Day of Week: Tuesday

## SB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	1	1	0	5	0	3	1	1	3	0	0	0	15
01:00	1	3	1	3	2	0	2	1	1	0	3	0	17
02:00	0	0	0	1	0	1	0	1	1	1	1	2	8
03:00	0	2	1	0	0	1	0	0	0	0	0	0	4
04:00	0	0	0	1	0	0	0	1	0	0	1	0	3
05:00	5	2	1	2	3	6	3	4	3	4	5	4	42
06:00	6	8	12	7	8	18	13	16	11	16	30	26	171
07:00	17	16	17	27	31	22	22	45	37	40	54	36	364
08:00	25	26	28	36	25	24	33	32	19	21	28	25	322
09:00	19	26	24	15	25	31	26	32	34	26	21	18	297
10:00	15	23	18	29	18	29	18	20	29	22	31	34	286
11:00	33	24	29	27	25	26	28	26	38	36	34	32	358
12:00	41	26	26	29	33	32	36	31	46	39	36	34	409
13:00	43	23	32	28	36	31	49	34	35	44	28	25	408
14:00	33	32	23	31	22	29	23	24	33	35	25	34	344
15:00	36	24	30	24	25	27	28	36	25	33	25	33	346
16:00	28	27	15	32	33	34	35	24	30	26	37	40	361
17:00	46	33	33	33	31	25	24	29	20	18	21	22	335
18:00	18	15	16	23	16	15	18	16	19	20	12	17	205
19:00	15	11	8	18	10	13	14	7	5	6	6	13	126
20:00	7	8	7	18	7	0	13	4	9	3	4	5	85
21:00	8	8	5	3	2	7	4	1	3	2	3	8	54
22:00	3	2	2	4	1	3	2	1	3	3	3	1	28
23:00	2	2	4	3	2	1	4	3	1	0	1	3	26

Daily Total: 4614

AM Peak Hour: 409 (07:35 - 08:35)

PM Peak Hour: 431 (12:40 - 13:40)

4th Highest Hour: 361 (16:00 - 17:00)

8th Highest Hour: 335 (17:00 - 18:00)

8.86% Of Daily Total

9.34% Of Daily Total

7.82% Of Daily Total

7.26% Of Daily Total

**TRAFFIC SMITHY, INC**

1225 NW MURRAY BLVD

PORTLAND, OR 97209

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

Roadway: BROADWAY

Location: SOUTH OF MILL PLAIN

Date: 03/16/04

Day of Week: Tuesday

SB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	1	1	0	4	0	2	0	1	2	1	0	0	12
01:00	1	0	1	2	1	2	0	0	1	1	0	2	11
02:00	0	0	0	1	1	0	0	1	0	0	0	1	4
03:00	3	5	0	0	0	0	0	0	0	0	0	0	8
04:00	0	0	0	0	0	0	1	0	0	1	0	1	3
05:00	4	1	1	3	3	3	3	2	5	1	4	4	34
06:00	7	2	7	8	7	13	7	8	11	19	15	20	124
07:00	12	9	12	25	28	21	21	37	40	37	51	29	322
08:00	19	21	20	28	23	22	28	23	19	16	28	20	267
09:00	20	27	17	16	23	28	27	22	30	18	24	17	269
10:00	13	19	17	23	17	24	20	19	16	25	25	25	243
11:00	29	23	19	19	27	27	18	26	30	29	23	22	292
12:00	32	26	21	27	23	22	30	30	43	31	33	28	346
13:00	39	15	27	16	34	27	33	22	30	36	22	27	328
14:00	36	19	22	24	19	25	17	21	26	23	24	31	287
15:00	21	22	24	25	25	28	26	21	23	23	25	26	289
16:00	24	28	23	25	16	30	25	15	24	22	20	19	271
17:00	20	12	23	23	22	12	18	17	13	17	14	13	204
18:00	14	13	7	12	13	13	9	13	19	17	15	13	158
19:00	10	11	5	13	8	10	8	8	7	4	4	11	99
20:00	4	5	6	13	3	3	10	2	5	1	6	3	61
21:00	2	6	3	2	1	6	3	1	3	2	4	6	39
22:00	2	2	4	3	0	2	0	1	2	3	1	1	21
23:00	1	1	3	0	6	1	2	4	0	0	1	1	20

Daily Total: 3712

AM Peak Hour: 355 (07:35 - 08:35)

PM Peak Hour: 356 (12:35 - 13:35)

4th Highest Hour: 292 (11:00 - 12:00)

8th Highest Hour: 269 (09:00 - 10:00)

9.56% Of Daily Total

9.59% Of Daily Total

7.86% Of Daily Total

7.24% Of Daily Total