

Roadway Survey Field Sheet

TS Project #

04-108

Map

Grid

Start Time

1:30

Of Days

Location: MILLPLAIN + MAIN

City: VANCOUVER

Location ID:

Type Of Survey

- Volume
- Speed
- Classification
- _____

Start Date: 3/15/04

S M T W T F S

End Date: 3/17/04

S M T W T F S

Counters

↑

Tubes

5

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					
	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	

(TAD, TBD)

A

B

M

D

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

DWELL (TAD, TBD)

AXLE STRIKE COUNT

G M D A B

SYSTEM DELAY LOGIC

D

SPEED LOW VOL

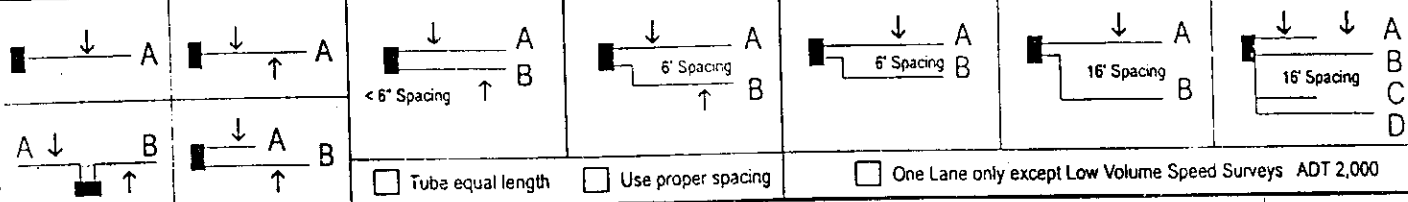
G M B

VEHICLE SPEED CLASSIFICATION

M B

G

L



- Tube equal length
- Use proper spacing
- One Lane only except Low Volume Speed Surveys ADT 2,000

COUNTER / SET / DOWN

Type: AMAX M.C.
 No. 65-196-09 27
 Box _____ X28

Tube Length 40

Hammer Test

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

PICK-UP

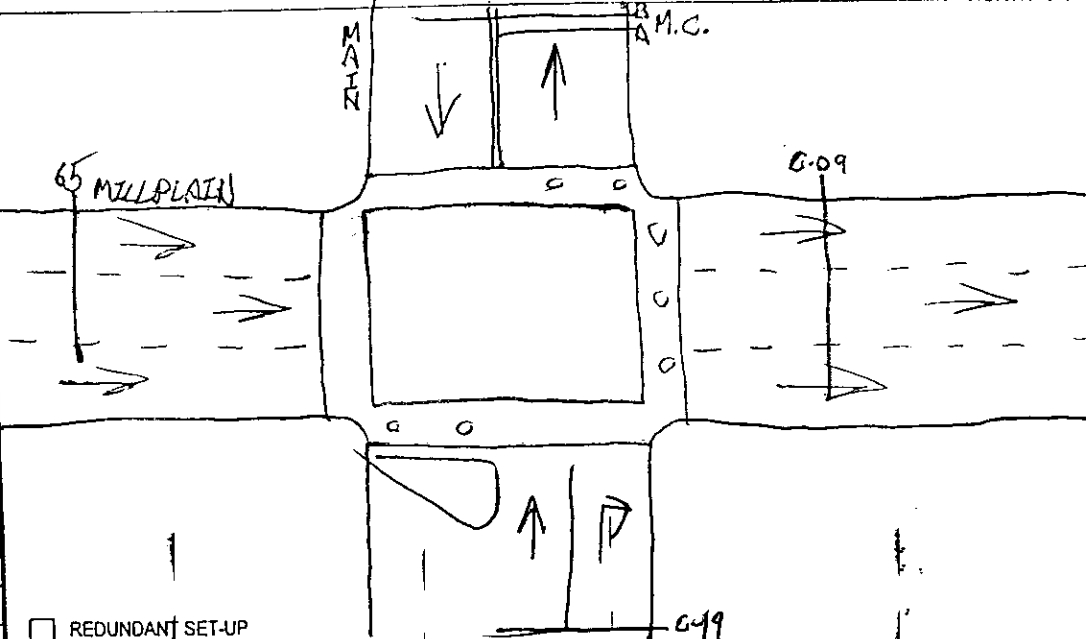
Hammer Test

Date: 3/17/04 Time: 10:35

FILE NAMES

- 17 MILL W 65
- 17 MAIN S 19
- 17 MAIN 27
- 17 MILE 09

- 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



REDUNDANT SET-UP

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: WEST OF MAIN

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	9	3	4	3	2	0	1	7	5	2	3	2	41
01:00	1	4	3	4	8	1	1	5	1	3	0	9	40
02:00	12	2	0	0	4	9	4	1	0	3	0	4	39
03:00	0	8	5	4	7	3	6	6	3	7	8	3	60
04:00	5	1	10	4	3	4	9	5	8	9	5	5	68
05:00	11	9	6	16	13	9	12	12	21	18	18	14	159
06:00	32	13	18	35	34	27	38	22	31	35	42	30	357
07:00	43	50	39	58	34	49	45	42	52	42	43	41	538
08:00	26	37	33	35	35	56	51	36	58	50	32	33	482
09:00	38	24	65	49	48	51	83	62	70	46	56	55	647
10:00	60	59	65	59	70	57	59	55	67	60	46	83	740
11:00	70	63	56	37	51	67	65	73	54	58	72	82	748
12:00	64	52	61	56	50	69	60	49	52	61	62	52	688
13:00	69	73	58	74	58	47	65	59	57	66	62	70	758
14:00	89	59	64	67	51	66	63	45	71	52	81	72	780
15:00	59	54	66	54	74	73	79	65	73	65	73	91	826
16:00	67	70	65	65	93	83	69	74	72	65	104	122	949
17:00	107	83	97	71	73	72	53	52	59	49	50	26	792
18:00	47	47	34	38	42	26	38	27	25	32	32	28	416
19:00	18	19	27	23	22	24	17	20	22	19	14	17	242
20:00	21	19	6	19	15	19	16	11	7	12	16	16	177
21:00	11	9	4	9	5	14	18	15	12	11	17	7	132
22:00	5	11	9	15	12	10	7	2	4	6	6	8	95
23:00	10	12	9	8	4	4	5	9	8	6	2	13	90

Daily Total: 9864

AM Peak Hour: 754 (10:10 - 11:10)

PM Peak Hour: 1040 (16:20 - 17:20)

4th Highest Hour: 780 (14:00 - 15:00)

8th Highest Hour: 688 (12:00 - 13:00)

7.64% Of Daily Total

10.5% Of Daily Total

7.90% Of Daily Total

6.97% Of Daily Total

TRAFFIC SMITHY, INC

626- 120th Avenue NE

Bellevue, WA

Ph. 425-688-7888 Fax. 425-688-7784

Roadway: MILL PLAIN BOULEVARD

Location: EAST OF MAIN STREET

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	9	4	7	4	4	0	2	7	5	4	3	53
01:00	2	3	4	3	7	7	6	1	5	2	4	4	48
02:00	6	11	3	0	0	5	9	5	2	1	3	0	45
03:00	5	0	6	3	4	4	4	4	5	5	4	5	49
04:00	2	6	1	8	4	3	4	9	5	7	5	8	62
05:00	4	10	11	7	14	13	8	10	15	19	20	16	147
06:00	17	27	24	30	39	51	39	52	28	43	40	41	431
07:00	31	47	56	46	62	42	59	48	43	55	51	45	585
08:00	47	33	40	42	40	43	58	59	49	55	61	45	572
09:00	59	50	31	58	57	60	72	94	79	77	70	73	780
10:00	61	62	65	74	82	87	74	77	81	90	77	75	905
11:00	100	82	88	73	65	72	82	91	90	71	71	82	967
12:00	99	87	70	77	72	73	97	77	84	70	72	95	973
13:00	71	80	93	72	83	79	77	75	84	84	80	83	961
14:00	101	105	82	87	91	70	83	82	83	73	91	102	1050
15:00	99	85	86	68	90	81	91	91	84	99	83	76	1033
16:00	112	106	88	92	81	98	105	106	107	76	84	122	1177
17:00	130	132	108	116	98	72	99	76	63	74	69	70	1107
18:00	54	45	71	51	53	48	48	52	47	33	42	35	579
19:00	41	30	21	35	29	26	32	28	27	24	33	25	351
20:00	23	29	23	16	19	31	21	18	20	17	13	17	247
21:00	23	19	12	13	11	16	15	26	18	15	16	23	207
22:00	12	7	7	9	9	18	10	13	11	4	10	9	119
23:00	8	15	12	12	10	12	5	3	10	11	4	4	106

Daily Total: 12554

AM Peak Hour: 987 (10:15 - 11:15)

7.86% Of Daily Total

PM Peak Hour: 1282 (16:25 - 17:25)

10.2% Of Daily Total

4th Highest Hour: 1033 (15:00 - 16:00)

8.22% Of Daily Total

8th Highest Hour: 905 (10:00 - 11:00)

7.20% Of Daily Total

TRAFFIC SMITHY, INC

1225 NW MURRAY BLVD

PORTLAND, OR 97209

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

Roadway: MAIN

Location: SOUTH OF MILL PLAIN

Date: 03/16/04

Day of Week: Tuesday

NB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	0	3	0	4	1	1	2	4	0	0	0	0	15
01:00	0	2	1	2	2	0	5	2	0	0	0	4	18
02:00	0	0	1	0	0	2	1	1	2	1	1	1	10
03:00	1	0	0	1	0	0	2	0	0	0	0	0	4
04:00	0	0	0	1	0	1	1	0	1	0	0	1	5
05:00	0	0	1	1	1	3	0	1	5	3	1	1	17
06:00	6	2	6	6	6	2	0	3	7	5	3	8	54
07:00	2	5	7	8	4	10	11	8	9	5	9	12	90
08:00	13	8	13	11	13	12	6	8	15	15	11	14	139
09:00	18	15	16	20	13	21	24	25	22	24	20	19	237
10:00	17	16	30	25	19	21	30	32	28	31	21	37	307
11:00	33	33	25	39	25	38	34	43	33	21	31	23	378
12:00	34	34	33	25	15	26	40	35	36	34	29	34	375
13:00	36	32	28	38	23	26	32	27	39	36	37	27	381
14:00	33	37	26	30	33	32	33	40	37	34	29	37	401
15:00	35	29	41	36	27	24	18	36	26	27	30	33	362
16:00	36	35	30	28	27	30	48	41	38	30	39	41	423
17:00	43	40	35	49	39	23	29	23	21	21	21	25	369
18:00	24	23	20	19	23	20	19	23	22	13	12	16	234
19:00	10	10	12	11	11	14	14	13	10	7	17	9	138
20:00	14	13	8	9	12	8	11	7	10	10	13	13	128
21:00	4	6	2	6	10	4	10	6	9	1	6	8	72
22:00	3	6	5	4	2	8	6	5	9	3	4	1	56
23:00	3	5	5	1	1	4	3	1	1	0	0	3	27

Daily Total: 4240

AM Peak Hour: 392 (10:45 - 11:45)

PM Peak Hour: 473 (16:25 - 17:25)

4th Highest Hour: 378 (11:00 - 12:00)

8th Highest Hour: 307 (10:00 - 11:00)

9.24% Of Daily Total

11.1% Of Daily Total

8.91% Of Daily Total

7.24% Of Daily Total

TRAFFIC SMITHY, INC

1225 NW MURRAY BLVD

PORTLAND, OR 97209

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

Roadway: MAIN

Location: NORTH OF MILL PLAIN

Date: 03/16/04

Day of Week: Tuesday

NB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	0	0	2	0	0	2	1	3	2	0	0	0	10
01:00	0	0	1	0	0	0	2	0	3	0	0	0	6
02:00	3	0	0	0	0	0	1	1	1	1	0	1	8
03:00	1	1	0	0	1	0	0	2	0	0	0	0	5
04:00	0	0	0	0	1	0	0	0	0	1	0	0	2
05:00	1	0	0	1	0	2	2	1	1	2	0	1	11
06:00	1	3	3	1	4	2	1	1	3	6	4	4	33
07:00	6	0	4	9	6	4	4	3	7	5	6	5	59
08:00	8	12	10	5	9	12	9	4	6	10	8	17	110
09:00	8	17	10	10	22	8	11	19	9	14	15	10	153
10:00	12	11	15	16	15	7	12	7	20	17	12	18	162
11:00	12	22	19	17	27	17	19	20	30	17	20	26	246
12:00	13	28	22	23	19	10	21	26	19	25	20	16	242
13:00	21	25	27	20	28	10	20	27	20	24	24	13	259
14:00	22	23	15	15	24	16	14	12	22	26	13	16	218
15:00	30	18	20	23	23	15	10	13	22	15	19	13	221
16:00	17	23	16	22	16	12	23	23	18	21	18	20	229
17:00	24	26	23	24	17	14	16	10	12	12	13	4	195
18:00	9	13	9	12	11	6	6	9	11	12	7	9	114
19:00	10	6	6	9	6	7	11	7	12	5	6	9	94
20:00	7	12	7	3	9	5	5	8	6	7	3	7	79
21:00	6	4	3	1	4	4	1	7	2	2	1	2	37
22:00	4	3	5	3	7	3	6	4	4	0	6	2	47
23:00	0	3	0	2	2	1	2	1	1	0	1	0	13

Daily Total: 2553

AM Peak Hour: 246 (11:00 - 12:00)

PM Peak Hour: 262 (12:55 - 13:55)

4th Highest Hour: 229 (16:00 - 17:00)

8th Highest Hour: 162 (10:00 - 11:00)

9.63% Of Daily Total

10.2% Of Daily Total

8.96% Of Daily Total

6.34% Of Daily Total

TRAFFIC SMITHY, INC

1225 NW MURRAY BLVD

PORTLAND, OR 97209

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

Roadway: MAIN

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	0	0	0	0	1	0	0	0	0	1	0	0	2
01:00	0	1	0	0	0	0	1	0	-1	1	0	1	3
02:00	0	0	0	0	0	0	0	1	1	0	0	0	2
03:00	2	0	0	0	0	0	0	0	0	2	0	0	4
04:00	0	0	0	0	0	0	0	0	0	0	1	0	1
05:00	1	1	1	1	1	2	0	2	2	1	0	1	13
06:00	1	3	3	5	8	18	11	19	12	7	11	9	107
07:00	5	4	7	7	4	4	6	9	9	12	9	4	80
08:00	8	6	4	7	3	9	7	7	8	6	4	7	76
09:00	11	10	6	5	2	4	14	8	8	7	15	6	96
10:00	11	4	10	13	11	14	7	8	15	16	13	12	134
11:00	10	14	11	9	16	13	9	4	3	18	3	5	115
12:00	16	14	5	15	8	12	19	12	9	13	10	13	146
13:00	8	15	10	10	11	11	7	19	15	14	8	10	138
14:00	15	9	10	6	10	7	10	5	6	12	14	13	117
15:00	14	6	10	12	10	13	10	4	8	10	9	10	116
16:00	13	12	18	12	9	10	2	5	7	3	8	12	111
17:00	16	7	12	6	8	3	2	5	9	10	8	8	94
18:00	5	4	5	3	5	8	3	9	8	6	3	9	68
19:00	6	1	3	4	3	2	6	2	6	4	6	1	44
20:00	4	6	5	1	5	2	4	3	1	2	1	3	37
21:00	2	3	2	6	1	1	3	3	1	1	3	0	26
22:00	0	1	1	1	0	0	1	3	0	1	-1	5	12
23:00	2	2	0	0	0	2	0	2	0	1	0	0	9

Daily Total: 1551

AM Peak Hour: 146 (10:35 - 11:35)

PM Peak Hour: 146 (12:55 - 13:55)

4th Highest Hour: 117 (14:00 - 15:00)

8th Highest Hour: 107 (06:00 - 07:00)

9.41% Of Daily Total

9.41% Of Daily Total

7.54% Of Daily Total

6.89% Of Daily Total