

Roadway Survey Field Sheet

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

Location: MELL PLAIN BL + BRANDT RD

Type Of Survey

- Volume
- Speed
- Classification

Start Date: 9/9/03

S M T W T F S

End Date: 9/12/03

S M T W T F S

Counters 6

Tubes 6

Location ID: _____

City: VANCOUVER

SITE EVALUATION	POSTED SPEED	DWELL TIME																																			
Vehicles Crossing Tube Perpendicular <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> ??? Do You Anticipate Queuing Across Tube <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> ??? Speed Greater Than 20 Miles / Hour <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> ??? Tube Crosses More Than 2 Lanes <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> ??? SPEED: High _____ Mph Low _____ Mph	<input type="checkbox"/> None <input type="checkbox"/> 40 Mph <input checked="" type="checkbox"/> 25 Mph <input type="checkbox"/> 45 Mph <input type="checkbox"/> 30 Mph <input type="checkbox"/> 50 Mph <input checked="" type="checkbox"/> 35 Mph <input type="checkbox"/> 55 Mph <input type="checkbox"/> Other: _____	<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><u>A</u></td> </tr> <tr> <td>5 - 10 MPH</td> <td>130</td> <td>90</td> <td>70</td> <td>60</td> <td>40</td> <td><u>B</u></td> </tr> <tr> <td>> 10 MPH</td> <td>100</td> <td>80</td> <td>60</td> <td>40</td> <td>40</td> <td><u>M</u></td> </tr> </tbody> </table> <p>Use 2 Counters if Traffic Conditions are different in each direction. 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	<u>A</u>	5 - 10 MPH	130	90	70	60	40	<u>B</u>	> 10 MPH	100	80	60	40	40	<u>M</u>
LOWEST SPEED	HIGHEST SPEED					(TAD, TBD)																															
MPH	10-20	15-30	25-40	35-45	> 45																																
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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. X6/83/75/73

Box: 30/28

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

NORTH

NORTH IS UP

REDUNDANT SET-UP

PICK-UP

Hammer Test

Date: 9/12/03 Time: 10:00

FILE NAMES

12BRTNX6

12BRTS83

12MPBE75

12MPBW73

12MPBW30

12MPBE28

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: BRANDT ROAD
 Location: NORTH OF MILL PLAIN

Date: 09/10/03
 Day of Week: Wednesday

NB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	2	1	1	3	2	5	0	2	2	3	1	0	22
01:00	3	2	1	0	2	1	3	0	3	2	1	2	20
02:00	1	1	1	0	0	1	0	2	0	0	0	0	6
03:00	1	0	2	3	2	0	0	0	0	0	0	0	8
04:00	1	0	1	2	0	0	1	1	0	0	4	1	11
05:00	1	3	2	0	1	1	1	3	1	0	2	6	21
06:00	2	1	3	1	5	1	3	2	1	6	2	3	30
07:00	5	3	4	4	2	5	5	5	5	9	13	6	66
08:00	9	4	10	7	8	6	3	8	6	10	11	11	93
09:00	5	7	6	7	9	8	7	4	8	9	7	6	83
10:00	4	7	5	11	10	5	11	9	6	9	11	6	94
11:00	19	7	11	10	6	5	8	8	3	13	10	9	109
12:00	10	9	12	13	8	8	13	6	9	7	6	4	105
13:00	13	7	6	12	9	15	12	10	9	12	13	11	129
14:00	8	15	9	11	12	12	8	13	11	15	13	9	136
15:00	14	15	10	19	14	19	14	15	23	14	15	15	187
16:00	11	14	15	24	16	13	22	15	7	15	16	15	183
17:00	18	20	14	24	19	15	18	17	8	7	10	15	185
18:00	10	10	7	7	17	13	7	8	14	18	7	7	125
19:00	8	7	16	6	7	13	11	4	7	7	6	12	104
20:00	9	10	10	9	6	6	2	5	7	12	6	11	93
21:00	8	12	9	8	9	7	12	4	6	7	4	4	90
22:00	5	5	6	3	4	0	6	4	1	3	5	4	46
23:00	3	2	4	6	2	3	2	6	3	4	4	3	42

Daily Total: 1988

AM Peak Hour: 115 (10:15 - 11:15)

5.78% Of Daily Total

PM Peak Hour: 200 (16:30 - 17:30)

10.0% Of Daily Total

4th Highest Hour: 136 (14:00 - 15:00)

6.84% Of Daily Total

8th Highest Hour: 105 (12:00 - 13:00)

5.28% Of Daily Total

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

Roadway: BRANDT ROAD
 Location: NORTH OF MILL PLAIN

Date: 09/10/03
 Day of Week: Wednesday

SB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	0	0	1	2	4	0	1	0	1	1	1	2	13
01:00	1	1	2	1	0	0	1	0	1	1	1	2	11
02:00	0	0	0	0	1	0	1	1	3	2	0	0	8
03:00	0	1	2	1	1	0	1	1	1	0	0	1	9
04:00	2	0	1	0	1	1	4	1	1	2	2	3	18
05:00	1	7	2	4	3	0	4	2	2	2	2	8	37
06:00	3	6	4	4	8	10	6	8	6	11	9	7	82
07:00	7	8	8	12	13	11	10	13	13	18	17	13	143
08:00	8	6	7	9	12	7	10	18	20	8	10	10	125
09:00	11	8	8	5	7	8	11	8	11	11	7	6	101
10:00	12	10	8	9	9	6	11	7	10	12	12	6	112
11:00	2	9	6	7	8	6	14	10	10	8	5	10	95
12:00	12	11	6	6	8	8	9	9	8	6	11	11	105
13:00	10	8	10	9	12	8	19	13	9	9	4	15	126
14:00	8	8	9	11	9	15	19	8	8	15	5	9	124
15:00	7	14	13	11	14	12	16	6	9	7	4	12	125
16:00	14	10	16	12	17	11	9	9	9	11	12	7	137
17:00	4	17	14	13	10	8	8	10	11	11	8	8	122
18:00	24	11	8	10	6	10	8	7	7	9	10	7	117
19:00	9	8	5	7	7	1	4	6	10	5	4	6	72
20:00	6	9	3	5	7	5	4	6	4	6	4	7	66
21:00	8	9	2	5	4	3	8	8	2	4	1	3	57
22:00	4	5	3	4	4	1	6	6	0	1	1	1	36
23:00	6	2	1	2	3	2	1	1	4	2	1	2	27

Daily Total: 1868

AM Peak Hour: 145 (07:45 - 08:45)

7.76% Of Daily Total

PM Peak Hour: 142 (15:55 - 16:55)

7.60% Of Daily Total

4th Highest Hour: 125 (08:00 - 09:00)

6.69% Of Daily Total

8th Highest Hour: 117 (18:00 - 19:00)

6.26% Of Daily Total

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

Roadway: MILL PLAIN BOULEVARD
 Location: EAST OF BRANDT ROAD

Date: 09/11/03
 Day of Week: Thursday

EB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	6	5	10	4	1	5	3	2	2	4	2	6	50
01:00	6	0	1	4	2	4	2	5	2	1	6	2	35
02:00	3	3	4	0	2	3	1	3	2	2	2	3	28
03:00	1	3	2	1	2	0	1	1	0	2	1	6	20
04:00	3	1	3	1	3	1	6	2	2	4	3	5	34
05:00	5	2	5	5	6	4	5	6	8	11	13	15	85
06:00	6	14	12	17	10	23	17	13	27	23	24	19	205
07:00	16	26	25	18	22	36	40	31	39	44	43	30	370
08:00	26	34	19	59	34	42	40	32	46	43	34	35	444
09:00	41	39	25	35	25	35	31	44	39	31	38	27	410
10:00	35	40	46	33	40	33	33	50	35	42	47	44	478
11:00	40	42	57	47	43	58	43	61	61	44	48	36	580
12:00	56	61	66	55	66	44	62	51	73	54	57	43	688
13:00	52	48	50	59	50	62	49	52	37	49	40	47	595
14:00	42	59	47	67	69	68	57	73	48	59	80	44	713
15:00	56	43	67	62	62	46	58	63	55	49	56	66	683
16:00	69	65	73	62	60	63	55	67	76	54	59	55	758
17:00	69	87	88	74	72	61	61	67	58	53	51	58	799
18:00	47	43	36	36	29	42	48	37	41	36	29	37	461
19:00	34	38	41	34	38	24	27	44	22	25	21	23	371
20:00	24	19	24	25	18	25	20	27	26	22	24	17	271
21:00	28	23	25	29	17	24	25	20	18	18	10	8	245
22:00	3	16	9	8	7	13	13	11	9	6	12	13	120
23:00	9	10	6	8	10	9	7	8	5	3	8	7	90

Daily Total: 8533

AM Peak Hour: 588 (10:55 - 11:55)

6.89% Of Daily Total

PM Peak Hour: 823 (16:35 - 17:35)

9.64% Of Daily Total

4th Highest Hour: 688 (12:00 - 13:00)

8.06% Of Daily Total

8th Highest Hour: 478 (10:00 - 11:00)

5.60% Of Daily Total

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Roadway: MILL PLAIN BOULEVARD
 Location: EAST OF BRANDT ROAD

Date: 09/11/03
 Day of Week: Thursday

WB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	5	2	7	6	9	1	2	1	4	1	7	4	49
01:00	2	3	1	2	2	4	4	4	5	2	3	1	33
02:00	5	0	0	2	4	2	2	3	3	5	0	4	30
03:00	0	0	3	0	0	1	1	2	4	3	3	2	19
04:00	4	3	3	2	5	1	2	4	2	1	6	4	37
05:00	10	4	3	11	8	1	8	3	17	16	8	11	100
06:00	14	16	17	16	15	26	28	19	39	29	29	31	279
07:00	37	40	36	37	40	34	41	46	60	49	49	58	527
08:00	38	35	34	44	40	45	40	53	32	46	50	39	496
09:00	39	37	37	34	39	41	43	33	49	50	44	35	481
10:00	42	35	38	40	37	45	44	46	30	40	52	42	491
11:00	42	26	35	62	47	49	54	57	59	50	48	55	584
12:00	43	42	53	53	56	43	48	43	41	53	49	58	582
13:00	35	43	57	56	55	43	58	45	35	46	64	53	590
14:00	49	50	43	45	49	69	60	55	32	62	50	45	609
15:00	58	64	53	61	56	55	67	55	49	56	59	48	681
16:00	43	55	56	62	56	45	58	54	55	55	42	48	629
17:00	55	72	63	59	43	42	44	62	57	47	65	47	656
18:00	50	63	41	46	34	39	33	36	38	38	37	38	493
19:00	31	38	34	29	30	27	24	36	30	31	40	22	372
20:00	26	32	21	21	20	25	21	28	15	22	25	22	278
21:00	24	21	24	31	13	22	19	14	23	17	12	15	235
22:00	15	18	14	19	23	22	11	16	16	10	9	9	182
23:00	10	9	8	12	4	11	7	6	5	4	9	8	93

Daily Total: 8526

AM Peak Hour: 584 (11:00 - 12:00)

6.84% Of Daily Total

PM Peak Hour: 681 (15:00 - 16:00)

7.98% Of Daily Total

4th Highest Hour: 609 (14:00 - 15:00)

7.14% Of Daily Total

8th Highest Hour: 527 (07:00 - 08:00)

6.18% Of Daily Total

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

Roadway: MILL PLAIN BOULEVARD
 Location: WEST OF BRANDT

Date: 09/11/03
 Day of Week: Thursday

WB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	5	3	4	4	3	1	2	2	4	2	6	5	41
01:00	3	4	1	4	1	3	4	4	3	2	3	1	33
02:00	5	0	0	1	4	2	2	2	2	7	0	2	27
03:00	1	0	2	0	0	0	0	1	4	2	4	2	16
04:00	3	0	6	3	5	2	3	5	1	2	5	6	41
05:00	9	2	5	8	10	4	10	5	20	15	6	11	105
06:00	13	15	16	16	20	25	24	24	40	28	28	30	279
07:00	39	39	31	39	34	39	44	49	49	56	45	52	516
08:00	34	26	32	36	43	40	36	43	28	31	45	31	425
09:00	32	35	35	30	34	34	36	34	40	47	46	24	427
10:00	32	29	37	34	29	36	42	40	30	32	35	33	409
11:00	36	23	31	57	43	42	46	45	46	44	41	49	503
12:00	31	44	38	51	50	35	33	42	34	41	42	52	493
13:00	32	30	50	49	47	35	56	41	31	37	48	38	494
14:00	52	46	38	41	39	61	43	52	21	50	38	33	514
15:00	49	60	44	42	52	56	53	35	48	47	42	30	558
16:00	38	31	45	54	37	40	41	50	39	42	33	30	480
17:00	50	50	56	32	27	30	40	39	46	45	47	39	501
18:00	42	44	31	42	19	33	24	38	31	24	30	30	388
19:00	35	32	22	24	20	20	26	24	32	37	19	20	311
20:00	24	23	14	17	23	12	15	17	10	18	21	18	212
21:00	20	14	19	16	15	12	10	15	11	11	9	16	168
22:00	13	9	12	15	14	10	8	11	9	3	9	7	120
23:00	11	9	5	3	4	5	8	6	5	8	5	7	76

Daily Total: 7137

AM Peak Hour: 516 (07:00 - 08:00)

7.22% Of Daily Total

PM Peak Hour: 561 (14:55 - 15:55)

7.86% Of Daily Total

4th Highest Hour: 503 (11:00 - 12:00)

7.04% Of Daily Total

8th Highest Hour: 480 (16:00 - 17:00)

6.72% Of Daily Total

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Roadway: MILL PLAIN BOULEVARD
 Location: WEST OF BRANDT

Date: 09/11/03
 Day of Week: Thursday

EB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	6	6	8	3	3	3	2	2	0	4	2	6	45
01:00	5	1	0	4	4	2	4	4	3	0	5	2	34
02:00	3	0	2	0	3	1	2	2	1	2	1	2	19
03:00	2	1	1	0	1	3	3	0	0	3	1	5	20
04:00	1	3	6	0	2	2	3	3	1	3	2	2	28
05:00	1	2	1	5	4	3	3	3	6	7	11	6	52
06:00	8	7	7	14	2	13	9	13	14	12	19	20	138
07:00	11	17	21	19	12	28	23	30	23	33	29	23	269
08:00	13	26	19	35	27	29	31	20	26	26	24	27	303
09:00	32	30	21	24	34	21	29	36	26	25	27	25	330
10:00	33	23	33	26	38	38	30	34	32	25	43	33	388
11:00	34	40	45	43	41	40	37	53	48	45	38	45	509
12:00	38	58	57	46	57	38	52	36	49	53	52	42	578
13:00	33	37	47	51	43	49	56	33	35	41	41	31	497
14:00	37	48	42	55	61	53	55	52	34	53	60	48	598
15:00	40	46	53	55	45	31	55	48	53	41	53	57	577
16:00	63	55	57	68	50	55	45	58	61	45	55	42	654
17:00	63	69	75	71	61	48	54	53	47	52	46	49	688
18:00	43	31	39	28	34	27	42	35	34	23	31	29	396
19:00	25	32	32	26	32	25	18	44	18	22	15	21	310
20:00	21	19	26	21	19	19	18	24	24	21	16	15	243
21:00	23	21	18	24	25	22	18	18	16	16	10	5	216
22:00	5	11	8	7	8	8	12	7	9	4	11	13	103
23:00	11	8	6	10	8	8	6	11	5	6	9	8	96

Daily Total: 7091

AM Peak Hour: 509 (11:00 - 12:00)

PM Peak Hour: 702 (16:35 - 17:35)

4th Highest Hour: 578 (12:00 - 13:00)

8th Highest Hour: 396 (18:00 - 19:00)

7.17% Of Daily Total

9.89% Of Daily Total

8.15% Of Daily Total

5.58% Of Daily Total