

# Roadway Survey Field Sheet

TS Project # \_\_\_\_\_ Map \_\_\_\_\_ Grid \_\_\_\_\_ Start Time \_\_\_\_\_ # Of Days \_\_\_\_\_

Location: FOURTH PLAIN + FALK RD  
 Location ID: \_\_\_\_\_ City: VANCOUVER

Type of Survey  
 Volume  
 Speed  
 Classification

Start Date: 9/9/03 Counters: 6  
 End Date: 9/11/03 Tubes: 6

S M T W T F S  
 S M T W T F S

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="4">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>&gt; 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>&gt; 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				(TAD, TBD)	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				(TAD, TBD)																																			
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 checked="" type="checkbox"/> 25 Mph	<input type="checkbox"/> 45 Mph	Use 2 Counters if Traffic Conditions are different in each direction. DWELL (TAD,TBD) <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> M <input type="checkbox"/> D																																		
Speed Greater Than 20 Miles / Hour	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 30 Mph	<input type="checkbox"/> 50 Mph																																			
Tube Crosses More Than 2 Lanes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 35 Mph	<input type="checkbox"/> 55 Mph																																			
SPEED: High _____ Mph Low _____ Mph			<input type="checkbox"/> Other: _____																																					

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.: 71/64/53/55  
 Box: 16/57  
 Tube Length: 40

Hammer Test

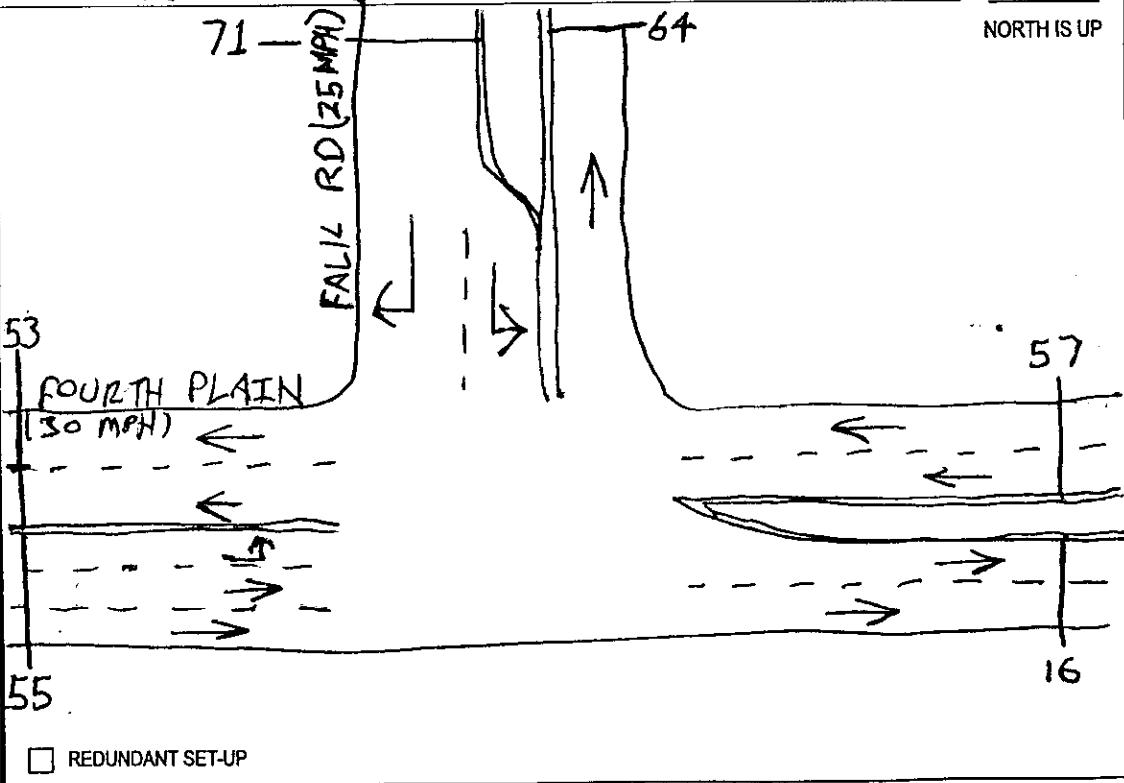
DIRECTION:  East Bound  West Bound  North Bound  South Bound  Approach

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: 9/11/03 Time: 10:15

- FILE NAMES
- 11FLKS71
  - 11FLKN64
  - 11FPBW53
  - 11FPBE55
  - 11FPBE16
  - 11FPBW57

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

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

Roadway: FOURTH PLAIN BOULEVARD  
 Location: EAST OF FALK ROAD

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

EB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	5	11	9	18	10	3	7	7	6	4	4	3	87
01:00	9	6	4	3	6	4	4	4	9	3	3	5	60
02:00	6	4	4	6	3	2	7	5	2	2	6	3	50
03:00	0	4	5	2	8	2	0	3	2	1	6	1	34
04:00	1	3	1	3	3	2	6	0	0	1	2	0	22
05:00	6	1	5	3	6	10	8	6	11	14	15	12	97
06:00	7	14	10	9	12	9	17	16	17	28	30	27	196
07:00	16	29	24	33	30	31	22	25	33	29	30	32	334
08:00	38	28	34	29	22	38	42	33	35	35	45	43	422
09:00	30	38	32	51	36	46	40	37	51	39	42	48	490
10:00	43	38	43	43	44	53	49	49	53	58	55	69	597
11:00	59	59	63	43	58	50	54	47	82	52	76	70	713
12:00	56	73	79	73	60	66	56	81	68	57	60	79	808
13:00	68	61	58	64	60	58	70	56	67	46	77	68	753
14:00	73	67	80	58	61	78	85	57	74	84	75	54	846
15:00	58	89	73	102	50	76	82	81	79	85	84	73	932
16:00	77	82	68	63	65	74	65	76	73	71	67	58	839
17:00	84	65	76	70	92	81	66	66	85	64	65	61	875
18:00	45	51	52	45	65	54	45	55	49	43	45	49	598
19:00	48	44	52	36	40	45	42	47	32	42	46	40	514
20:00	32	31	44	39	32	31	35	29	27	24	25	39	388
21:00	23	34	23	27	28	29	50	32	14	26	12	20	318
22:00	26	11	21	21	22	10	10	14	11	10	14	18	188
23:00	12	10	18	15	15	10	15	15	10	14	4	11	149

Daily Total: 10310

AM Peak Hour: 713 (11:00 - 12:00)

6.91% Of Daily Total

PM Peak Hour: 951 (15:05 - 16:05)

9.22% Of Daily Total

4th Highest Hour: 839 (16:00 - 17:00)

8.13% Of Daily Total

8th Highest Hour: 598 (18:00 - 19:00)

5.80% Of Daily Total

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

Roadway: FOURTH PLAIN BOULEVARD  
 Location: EAST OF FALK ROAD

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

WB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	5	9	6	7	7	4	6	1	6	8	4	2	65
01:00	3	5	5	4	4	4	5	3	0	5	7	2	47
02:00	3	4	3	5	3	2	1	1	1	4	3	1	31
03:00	4	1	0	1	3	1	0	1	6	6	2	2	27
04:00	2	1	5	2	2	4	4	2	4	3	7	1	37
05:00	5	3	5	4	12	6	12	4	12	13	10	8	94
06:00	17	23	18	21	14	22	20	38	25	20	21	23	262
07:00	22	32	22	35	43	39	30	33	49	54	45	43	447
08:00	41	37	26	23	35	33	40	36	36	25	43	31	406
09:00	31	46	34	30	42	39	40	42	37	43	42	35	461
10:00	43	42	47	41	44	35	59	56	49	46	50	47	559
11:00	40	61	50	46	54	48	53	54	48	58	53	66	631
12:00	62	62	63	68	65	67	55	66	58	71	61	59	757
13:00	54	54	55	61	72	54	61	55	71	65	67	79	748
14:00	53	55	66	70	56	46	60	63	70	73	53	68	733
15:00	68	54	56	68	43	57	60	63	57	49	68	69	712
16:00	71	52	56	54	45	63	55	60	59	47	57	59	678
17:00	63	71	52	62	73	56	46	54	72	59	48	50	706
18:00	43	54	61	49	52	57	45	35	46	44	42	52	580
19:00	43	36	42	43	42	39	37	44	27	32	34	31	450
20:00	42	35	37	49	34	33	25	29	31	26	30	30	401
21:00	25	22	32	29	20	16	26	29	21	18	24	16	278
22:00	20	16	20	12	19	20	19	7	14	12	8	16	183
23:00	9	11	6	16	11	10	15	11	13	13	9	6	130

Daily Total: 9423

AM Peak Hour: 631 (11:00 - 12:00)

6.69% Of Daily Total

PM Peak Hour: 768 (13:20 - 14:20)

8.15% Of Daily Total

4th Highest Hour: 712 (15:00 - 16:00)

7.55% Of Daily Total

8th Highest Hour: 580 (18:00 - 19:00)

6.15% Of Daily Total

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

Roadway: FOURTH PLAIN BOULEVARD  
 Location: WEST OF FALK ROAD

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

WB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	7	10	7	8	6	5	5	3	7	7	6	5	76
01:00	5	3	5	4	7	3	5	2	2	5	6	3	50
02:00	4	5	5	6	1	3	2	1	1	3	3	2	36
03:00	1	1	1	2	4	1	1	1	3	7	2	2	26
04:00	5	1	4	5	3	4	5	1	6	2	6	3	45
05:00	0	9	4	6	14	6	16	5	17	14	9	12	112
06:00	21	27	26	25	20	26	25	36	30	27	20	33	316
07:00	21	32	20	36	45	46	34	38	46	72	48	38	476
08:00	41	26	45	29	38	35	55	41	36	40	42	30	458
09:00	30	51	37	38	40	43	33	41	38	55	48	32	486
10:00	58	48	45	42	46	31	57	46	61	57	37	52	580
11:00	47	58	56	46	54	53	60	47	64	68	45	76	674
12:00	61	62	60	81	71	74	64	55	69	80	71	59	807
13:00	55	78	47	68	68	70	58	52	65	81	64	78	784
14:00	64	54	63	68	78	65	53	60	53	76	66	71	771
15:00	88	69	18	9	7	18	14	23	30	16	22	42	356
16:00	50	47	54	56	55	61	57	57	54	22	23	36	572
17:00	72	71	59	64	73	59	62	61	69	68	62	58	778
18:00	49	64	64	50	67	58	57	49	48	57	53	54	670
19:00	42	46	45	41	58	43	37	57	42	36	35	37	519
20:00	51	41	36	30	43	38	37	27	37	29	42	36	447
21:00	27	29	36	40	27	24	21	39	23	24	21	30	341
22:00	11	17	28	14	14	19	21	16	20	12	12	14	198
23:00	9	14	10	17	17	8	12	11	12	14	9	9	142

Daily Total: 9720

AM Peak Hour: 674 (11:00 - 12:00)

6.93% Of Daily Total

PM Peak Hour: 817 (12:10 - 13:10)

8.40% Of Daily Total

4th Highest Hour: 771 (14:00 - 15:00)

7.93% Of Daily Total

8th Highest Hour: 572 (16:00 - 17:00)

5.88% Of Daily Total

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 Location: WEST OF FALK ROAD

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

EB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	5	11	4	21	13	6	6	5	7	7	4	4	93
01:00	8	8	5	3	6	3	6	3	12	4	3	5	66
02:00	6	6	3	8	2	3	6	4	2	1	7	3	51
03:00	1	4	5	0	7	7	0	2	2	1	8	5	42
04:00	2	6	1	2	2	5	6	1	1	1	3	0	30
05:00	7	1	4	3	7	9	9	8	11	17	15	11	102
06:00	12	10	14	8	11	5	18	21	17	26	26	30	198
07:00	19	26	25	28	40	36	29	20	41	41	32	33	370
08:00	36	37	41	40	28	37	33	28	39	32	48	54	453
09:00	31	41	34	54	41	50	51	42	50	48	41	58	541
10:00	46	36	45	49	45	57	47	54	53	54	64	68	618
11:00	59	70	58	55	56	54	68	57	75	71	73	71	767
12:00	60	77	84	68	65	66	64	95	73	59	60	85	856
13:00	73	65	63	73	69	54	68	69	79	48	75	78	814
14:00	76	71	82	68	71	83	86	74	78	78	81	68	916
15:00	65	81	90	97	69	74	89	80	90	90	86	68	979
16:00	92	70	76	85	66	75	71	67	82	74	85	70	913
17:00	85	81	84	95	81	94	89	71	91	73	67	68	979
18:00	49	50	59	48	59	63	48	67	47	50	52	49	641
19:00	55	47	50	43	49	52	40	44	33	46	39	39	537
20:00	43	35	43	42	38	33	37	30	29	29	32	35	426
21:00	35	31	27	30	28	41	56	32	24	24	13	20	361
22:00	27	12	16	26	22	13	10	11	12	13	15	16	193
23:00	11	14	16	16	14	14	13	13	18	11	5	7	152

Daily Total: 11098

AM Peak Hour: 767 (11:00 - 12:00)

6.91% Of Daily Total

PM Peak Hour: 1006 (15:05 - 16:05)

9.06% Of Daily Total

4th Highest Hour: 913 (16:00 - 17:00)

8.22% Of Daily Total

8th Highest Hour: 641 (18:00 - 19:00)

5.77% Of Daily Total

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

Roadway: FALK ROAD  
 Location: NORTH OF FOURTH 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	1	1	4	2	0	2	2	1	0	2	1	2	18
01:00	0	2	1	1	0	1	1	0	2	1	0	1	10
02:00	2	1	1	1	0	0	1	0	0	1	3	1	11
03:00	2	1	2	0	0	0	3	1	2	0	2	2	15
04:00	1	1	1	1	1	0	1	1	1	1	1	3	13
05:00	1	0	0	0	2	4	2	3	4	3	3	4	26
06:00	2	4	4	6	1	2	8	11	10	7	4	6	65
07:00	8	7	11	13	12	6	18	15	6	23	12	13	144
08:00	20	17	19	14	21	11	13	5	10	9	10	11	160
09:00	14	9	8	14	11	6	14	7	12	18	15	9	137
10:00	13	12	9	12	5	12	18	9	13	20	11	11	145
11:00	24	18	17	8	14	7	13	23	15	13	13	19	184
12:00	16	15	19	12	15	10	11	18	16	18	12	16	178
13:00	16	24	15	15	16	16	15	16	28	20	24	18	223
14:00	20	19	23	17	20	13	22	24	36	15	22	16	247
15:00	21	17	25	15	21	17	18	20	10	19	23	14	220
16:00	24	16	22	23	12	19	17	19	26	16	15	22	231
17:00	16	23	28	20	19	29	28	19	24	18	17	17	258
18:00	16	18	13	13	14	12	27	14	13	8	21	15	184
19:00	13	18	9	9	19	13	9	5	8	11	5	7	126
20:00	12	11	10	16	14	9	10	6	12	4	13	7	124
21:00	10	8	11	10	8	8	13	11	7	6	5	7	104
22:00	2	9	2	6	7	6	5	4	4	3	6	4	58
23:00	3	2	2	4	2	1	8	4	3	3	1	1	34

Daily Total: 2915

AM Peak Hour: 189 (07:30 - 08:30)

6.48% Of Daily Total

PM Peak Hour: 263 (16:55 - 17:55)

9.02% Of Daily Total

4th Highest Hour: 223 (13:00 - 14:00)

7.65% Of Daily Total

8th Highest Hour: 178 (12:00 - 13:00)

6.10% Of Daily Total

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Roadway: FALK ROAD  
 Location: NORTH OF FOURTH 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	3	4	1	1	1	0	3	1	1	2	1	3	21
01:00	3	1	0	1	1	0	0	0	0	0	1	1	8
02:00	3	0	3	2	1	0	1	0	1	0	3	0	14
03:00	0	0	2	1	0	0	1	1	0	1	1	0	7
04:00	2	0	1	5	1	0	2	0	1	0	1	1	14
05:00	0	1	1	3	2	3	5	2	2	5	4	4	32
06:00	4	6	7	5	10	7	11	10	7	10	6	14	97
07:00	5	14	5	13	7	13	14	11	13	21	11	7	134
08:00	16	19	10	16	11	17	36	11	12	13	9	8	178
09:00	9	17	10	9	5	15	8	10	17	8	18	9	135
10:00	21	11	11	10	20	9	10	12	22	14	12	20	172
11:00	15	13	16	10	19	13	9	18	24	17	20	18	192
12:00	16	18	32	21	25	17	23	13	11	26	23	20	245
13:00	15	25	11	17	27	20	22	22	19	18	14	13	223
14:00	23	13	23	14	19	28	21	10	19	23	31	24	248
15:00	30	36	25	20	19	24	18	15	27	19	23	26	282
16:00	21	20	13	23	19	24	18	30	25	22	19	25	259
17:00	22	26	19	21	25	17	23	13	16	27	29	27	265
18:00	25	15	20	15	26	22	22	17	21	16	17	15	231
19:00	23	17	12	9	21	11	16	13	13	12	13	16	176
20:00	19	5	11	11	4	9	11	8	14	9	12	7	120
21:00	11	10	15	13	8	9	10	10	9	6	6	9	116
22:00	7	3	8	4	4	3	8	5	8	4	7	1	62
23:00	6	2	6	4	5	2	3	3	0	1	2	4	38

Daily Total: 3269

AM Peak Hour: 194 (10:55 - 11:55)

5.93% Of Daily Total

PM Peak Hour: 292 (14:45 - 15:45)

8.93% Of Daily Total

4th Highest Hour: 248 (14:00 - 15:00)

7.58% Of Daily Total

8th Highest Hour: 192 (11:00 - 12:00)

5.87% Of Daily Total