

0015

Roadway Survey Field Sheet

TS Project #	Map	Grid	Start Time	# Of Days
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Location: HWY 99 + 88TH S

Location ID: _____ City: VANCOUVER

Type Of Survey

Volume

Speed

Classification

Start Date: 09/02/03

End Date: 09/04/03

S M T W T F S

S M T W T F S

Counters 6

Tubes 6

SITE EVALUATION

YES	NO	???
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Vehicles Crossing Tube Perpendicular

Do You Anticipate Queuing Across Tube

Speed Greater Than 20 Miles / Hour

Tube Crosses More Than 2 Lanes

SPEED: High _____ Mph Low _____ Mph

POSTED SPEED

None 40 Mph

25 Mph 45 Mph

30 Mph 50 Mph

35 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

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

Tube equal length

SPEED LOW VOL

G M B

Use proper spacing

VEHICLE SPEED / CLASSIFICATION

M B G L

One Lane only except Low Volume Speed Surveys ADT 2,000

COUNTER / SET DOWN

Type A MAX

No. _____

Box _____

Tube Length 40

Hammer Test

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

PICK-UP

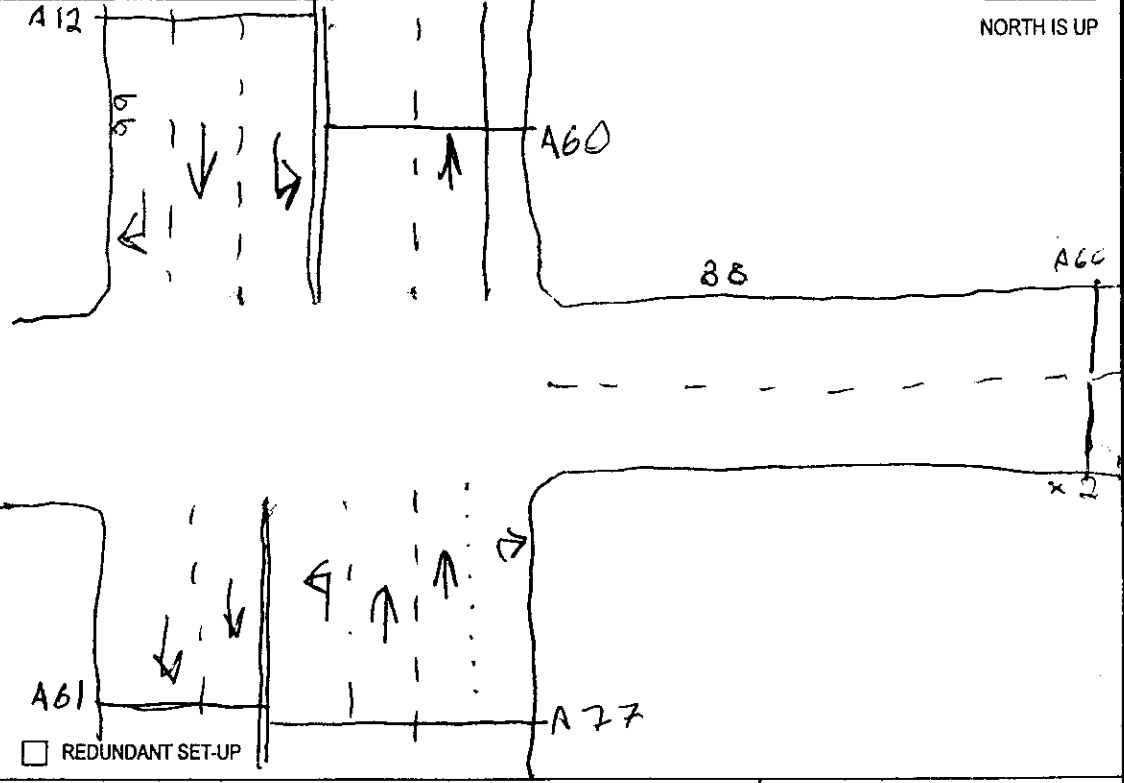
Hammer Test

Date: _____ Time: _____

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



FILE NAMES

04899N60

04899N77

04899S12

04899S61

0488HEX2

0488HW66

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: HIGHWAY 99
 Location: NORTH OF 88TH STREET

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

NB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	7	12	6	4	8	6	4	2	7	4	6	6	72
01:00	5	3	3	3	3	2	2	4	5	4	3	2	39
02:00	7	3	1	2	0	2	2	1	4	2	1	0	25
03:00	2	1	3	2	0	1	0	5	1	1	1	3	20
04:00	1	1	0	2	0	0	1	2	1	2	3	3	16
05:00	0	3	5	2	6	6	6	7	7	5	5	7	59
06:00	6	8	8	10	7	13	17	10	16	18	26	22	161
07:00	13	15	17	19	17	26	14	25	15	22	32	35	250
08:00	21	36	18	24	32	18	28	22	44	40	32	57	372
09:00	54	41	25	46	30	42	47	38	60	55	56	56	550
10:00	59	45	59	72	40	48	50	50	71	54	48	61	657
11:00	64	68	53	67	61	38	70	51	59	44	62	75	712
12:00	53	64	67	53	66	57	66	89	59	87	90	66	817
13:00	78	53	71	74	52	65	85	66	69	68	67	88	836
14:00	63	56	71	60	63	47	50	66	37	64	72	62	711
15:00	64	46	66	81	62	65	61	53	60	53	72	70	753
16:00	61	72	88	70	62	63	58	73	64	79	86	67	843
17:00	68	68	61	69	66	50	78	68	78	53	66	53	778
18:00	52	51	74	39	57	36	54	57	52	47	56	68	643
19:00	59	37	43	38	51	51	32	55	38	43	40	39	526
20:00	34	34	37	25	34	32	24	35	31	31	33	24	374
21:00	24	33	21	21	18	23	22	22	16	22	23	8	253
22:00	17	16	13	8	19	12	12	12	6	17	7	12	151
23:00	8	5	5	6	7	12	12	9	5	4	5	4	82

Daily Total: 9700

AM Peak Hour: 712 (11:00 - 12:00)

7.34% Of Daily Total

PM Peak Hour: 869 (12:35 - 13:35)

8.95% Of Daily Total

4th Highest Hour: 778 (17:00 - 18:00)

8.02% Of Daily Total

8th Highest Hour: 657 (10:00 - 11:00)

6.77% Of Daily Total

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

Roadway: HIGHWAY 99
 Location: NORTH OF 88TH STREET

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

SB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	8	11	9	1	3	7	4	5	8	2	1	3	62
01:00	5	3	3	2	5	4	1	7	2	0	0	2	34
02:00	3	3	4	1	1	3	6	3	1	5	2	4	36
03:00	0	3	9	0	0	2	0	1	1	2	4	0	22
04:00	3	2	4	2	2	4	2	2	3	3	6	4	37
05:00	2	2	3	2	4	6	5	3	8	6	6	11	58
06:00	6	8	10	17	7	19	16	19	11	24	18	27	182
07:00	19	19	16	16	26	24	18	33	33	28	31	17	280
08:00	30	28	27	33	26	30	42	37	39	37	32	49	410
09:00	55	44	40	38	51	31	58	53	45	37	55	50	557
10:00	50	51	44	46	62	46	60	35	64	57	46	57	618
11:00	67	75	57	37	70	56	51	80	73	47	74	76	763
12:00	68	74	67	64	61	63	74	58	59	73	58	68	787
13:00	75	81	52	86	52	82	68	55	75	54	65	55	800
14:00	73	55	66	59	54	61	82	66	61	43	60	64	744
15:00	41	71	59	63	44	72	56	71	43	60	53	65	698
16:00	81	75	58	62	75	85	53	74	57	58	63	59	800
17:00	72	68	74	69	57	63	61	69	55	67	46	66	767
18:00	51	57	69	53	61	47	59	57	57	54	67	51	683
19:00	51	47	43	37	60	43	60	42	53	45	42	51	574
20:00	37	32	42	44	34	31	33	37	43	29	54	26	442
21:00	30	19	32	23	23	20	20	14	18	19	24	11	253
22:00	25	8	16	21	17	14	17	18	15	16	10	8	185
23:00	18	6	12	15	7	12	6	11	3	10	6	7	113

Daily Total: 9905

AM Peak Hour: 763 (11:00 - 12:00)

7.70% Of Daily Total

PM Peak Hour: 825 (12:45 - 13:45)

8.32% Of Daily Total

4th Highest Hour: 767 (17:00 - 18:00)

7.74% Of Daily Total

8th Highest Hour: 683 (18:00 - 19:00)

6.89% Of Daily Total

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

Roadway: HIGHWAY 99
 Location: SOUTH OF 88TH STREET

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

SB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	11	9	12	3	3	5	9	7	12	1	2	4	78
01:00	5	4	4	2	4	6	2	4	2	1	1	3	38
02:00	3	2	5	1	1	5	6	1	0	5	3	3	35
03:00	1	2	8	1	2	4	1	3	4	1	4	0	31
04:00	4	1	3	2	2	6	4	4	2	4	12	9	53
05:00	5	6	5	8	6	11	6	14	12	11	14	17	115
06:00	16	15	11	25	17	30	21	19	19	29	19	32	253
07:00	32	27	25	27	35	25	27	31	43	28	31	24	355
08:00	31	40	40	32	33	35	46	39	42	33	45	52	468
09:00	48	48	49	43	54	32	63	49	50	33	68	51	588
10:00	55	66	54	54	63	56	70	50	76	57	54	58	713
11:00	68	74	86	48	83	65	51	86	74	62	78	69	844
12:00	60	94	70	81	63	66	93	64	71	74	68	75	879
13:00	81	77	79	80	80	86	69	79	58	66	73	66	894
14:00	87	59	60	78	52	64	82	65	76	45	77	66	811
15:00	47	55	70	63	59	73	66	94	54	60	62	67	770
16:00	75	86	67	73	75	92	71	71	68	58	76	46	858
17:00	84	78	81	60	77	78	68	65	72	45	68	46	822
18:00	61	59	84	58	66	66	65	64	61	60	70	72	786
19:00	48	58	52	41	71	60	53	59	50	59	52	47	650
20:00	47	36	43	49	47	42	41	38	46	38	53	35	515
21:00	36	23	37	28	27	23	24	20	15	33	30	17	313
22:00	23	20	15	27	20	15	18	22	21	17	17	11	226
23:00	20	8	16	5	11	9	6	10	6	9	10	5	115

Daily Total: 11210

AM Peak Hour: 844 (11:00 - 12:00)

7.52% Of Daily Total

PM Peak Hour: 928 (12:30 - 13:30)

8.27% Of Daily Total

4th Highest Hour: 844 (11:00 - 12:00)

7.52% Of Daily Total

8th Highest Hour: 770 (15:00 - 16:00)

6.86% Of Daily Total

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

Roadway: HIGHWAY 99
 Location: SOUTH OF 88TH STREET

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

NB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	10	7	10	4	8	7	4	3	6	1	7	8	75
01:00	6	4	5	1	1	2	4	3	4	6	3	3	42
02:00	9	4	3	2	2	2	2	3	5	4	2	1	39
03:00	2	1	3	1	1	1	0	4	2	1	1	1	18
04:00	2	1	0	1	1	1	2	1	2	1	2	1	15
05:00	2	3	2	2	7	5	6	7	6	4	5	5	54
06:00	6	6	5	7	4	10	15	13	12	17	16	18	129
07:00	13	20	23	9	14	20	16	23	17	15	27	31	228
08:00	27	26	30	25	29	24	26	38	43	45	44	50	407
09:00	54	37	33	52	52	35	48	47	55	51	57	54	575
10:00	58	56	56	70	72	58	54	62	71	65	64	70	756
11:00	59	79	69	65	65	56	62	71	61	66	62	75	790
12:00	63	80	87	70	77	77	68	90	67	92	98	89	958
13:00	96	63	84	80	70	78	92	77	77	67	75	84	943
14:00	75	73	83	83	76	60	66	66	53	78	61	66	840
15:00	69	57	81	61	76	78	76	73	74	70	104	75	894
16:00	65	82	92	76	73	61	72	86	75	81	89	75	927
17:00	73	80	84	75	78	72	77	73	75	73	78	75	913
18:00	60	78	69	57	56	53	53	66	67	67	60	69	755
19:00	75	63	50	56	58	66	50	66	58	38	67	45	692
20:00	46	47	46	38	37	43	36	42	31	36	50	30	482
21:00	33	44	33	25	34	32	32	26	21	21	34	15	350
22:00	23	18	19	11	15	19	9	16	7	14	20	11	182
23:00	10	7	7	9	11	12	16	11	10	5	9	2	109

Daily Total: 11173

AM Peak Hour: 796 (10:40 - 11:40)

7.12% Of Daily Total

PM Peak Hour: 999 (12:35 - 13:35)

8.94% Of Daily Total

4th Highest Hour: 913 (17:00 - 18:00)

8.17% Of Daily Total

8th Highest Hour: 756 (10:00 - 11:00)

6.76% Of Daily Total

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

Roadway: 88TH STREET
 Location: EAST OF HIGHWAY 99

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

EB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	3	5	6	2	2	4	8	4	4	3	2	0	43
01:00	6	2	1	1	2	0	0	1	2	1	1	3	20
02:00	2	2	1	2	1	0	1	4	2	3	2	3	23
03:00	1	1	3	2	0	2	0	0	0	0	0	1	10
04:00	1	1	1	2	1	2	2	1	1	1	1	0	14
05:00	1	0	1	2	0	2	2	1	2	2	2	4	19
06:00	1	5	3	3	5	10	8	6	12	7	7	6	73
07:00	3	5	5	10	13	5	6	3	11	13	5	11	90
08:00	8	6	9	13	7	5	9	13	12	11	9	10	112
09:00	15	11	12	17	8	13	11	14	11	13	23	15	163
10:00	13	16	12	16	13	19	15	21	8	13	17	15	178
11:00	12	15	29	12	12	15	18	18	27	10	21	27	216
12:00	14	23	36	16	17	20	20	23	31	24	16	23	263
13:00	31	16	31	23	27	22	23	26	19	19	29	17	283
14:00	22	22	23	30	20	25	25	31	16	15	27	17	273
15:00	29	22	27	24	21	26	25	33	27	20	37	17	308
16:00	21	32	28	40	36	25	31	23	30	26	22	25	339
17:00	28	33	32	32	35	32	33	30	32	30	25	25	367
18:00	22	30	26	29	24	27	19	17	28	26	31	22	301
19:00	21	28	21	27	21	23	37	26	20	29	17	14	284
20:00	12	27	15	20	18	15	21	20	20	20	18	21	227
21:00	17	19	18	15	13	9	18	14	14	10	13	13	173
22:00	11	4	13	14	5	13	8	13	6	7	9	7	110
23:00	10	3	4	6	9	1	7	6	6	4	4	1	61

Daily Total: 3950

AM Peak Hour: 216 (11:00 - 12:00)

5.46% Of Daily Total

PM Peak Hour: 367 (16:55 - 17:55)

9.29% Of Daily Total

4th Highest Hour: 301 (18:00 - 19:00)

7.62% Of Daily Total

8th Highest Hour: 263 (12:00 - 13:00)

6.65% Of Daily Total

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

Roadway: 88TH STREET
 Location: EAST OF HIGHWAY 99

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

WB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	4	1	2	2	3	0	3	2	2	2	1	2	24
01:00	0	2	0	0	0	1	0	2	0	0	1	1	7
02:00	2	0	0	1	2	0	2	0	0	1	3	1	12
03:00	1	2	0	1	1	2	1	1	2	0	1	1	13
04:00	1	1	0	1	2	3	1	1	1	4	4	5	24
05:00	4	4	6	2	4	5	6	9	7	10	11	9	77
06:00	8	11	7	15	19	20	14	13	13	20	12	18	170
07:00	20	7	13	20	19	15	13	19	25	18	24	19	212
08:00	24	22	19	18	21	21	25	12	22	24	26	33	267
09:00	29	18	13	19	14	19	18	22	23	24	26	22	247
10:00	28	28	21	18	18	24	21	25	22	23	24	27	279
11:00	25	19	34	33	23	18	19	25	24	26	31	28	305
12:00	25	24	24	23	21	24	20	32	28	28	36	19	304
13:00	32	25	32	22	25	24	27	27	27	34	20	21	316
14:00	21	23	24	27	25	18	28	14	24	22	29	31	286
15:00	16	25	30	35	24	23	29	36	24	33	23	23	321
16:00	29	36	32	29	33	26	23	27	23	27	34	23	342
17:00	24	26	25	24	29	34	32	30	28	16	22	22	312
18:00	28	24	26	23	21	25	36	26	22	29	22	19	301
19:00	24	17	27	25	22	28	23	19	13	13	10	14	235
20:00	19	14	20	10	18	16	13	16	16	19	15	13	189
21:00	11	15	8	8	16	14	5	12	8	9	12	9	127
22:00	11	7	6	4	9	4	7	11	2	8	8	2	79
23:00	2	5	2	2	1	0	4	3	5	3	3	4	34

Daily Total: 4483

AM Peak Hour: 305 (11:00 - 12:00)

6.80% Of Daily Total

PM Peak Hour: 353 (15:30 - 16:30)

7.87% Of Daily Total

4th Highest Hour: 312 (17:00 - 18:00)

6.95% Of Daily Total

8th Highest Hour: 286 (14:00 - 15:00)

6.37% Of Daily Total