

# Roadway Survey Field Sheet

TS Project # **04-108** Map \_\_\_\_\_ Grid \_\_\_\_\_ Start Time **2:00** # Of Days \_\_\_\_\_

Location: **NE ANDRESEN + NE 78TH ST**  
 City: **VANCOUVER**  
 Location ID: **#19**

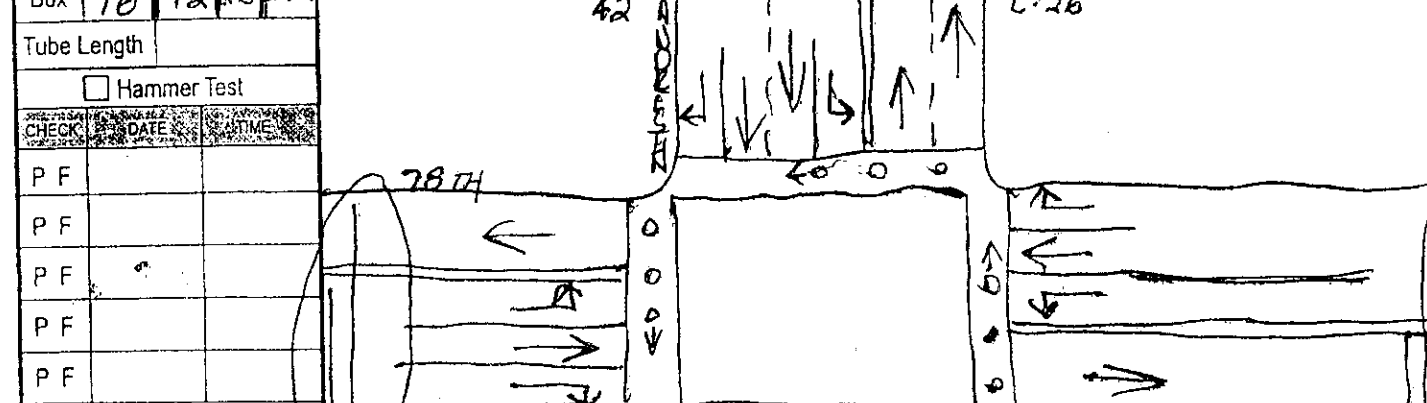
Type Of Survey:  
 Volume  
 Speed  
 Classification

Start Date: **3/16/04** Counters \_\_\_\_\_  
 S M T W T F S  
 End Date: \_\_\_\_\_ Tubes \_\_\_\_\_  
 S M T W T F S

SITE EVALUATION			POSTED SPEED		DWEELL TIME																																				
Vehicles Crossing Tube Perpendicular	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	???	<input type="checkbox"/> None	<input checked="" type="checkbox"/> 40 Mph	<table border="1"> <thead> <tr> <th>LOWEST SPEED</th> <th colspan="5">HIGHEST SPEED</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>80</td> <td>40</td> <td>40</td> </tr> </tbody> </table>						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	80	40	40
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	80	40	40																																				
Do You Anticipate Queuing Across Tube	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> 25 Mph	<input type="checkbox"/> 45 Mph	(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 type="checkbox"/> 30 Mph	<input type="checkbox"/> 50 Mph																																				
Tube Crosses More Than 2 Lanes	<input 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: _____	Use 2 Counters if Traffic Conditions are different in each direction. DWELL (TAD, TBD) _____																																					

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-UP			DIRECTION					COMBINED			ROAD			NORTH NORTH IS UP						
Type	<b>MC / AMAX</b>		<input type="checkbox"/> East Bound	<input type="checkbox"/> West Bound	<input type="checkbox"/> North Bound	<input type="checkbox"/> South Bound	<input type="checkbox"/> Approach	<input type="checkbox"/> East / West	<input type="checkbox"/> North / South	DRWY: <input type="checkbox"/> Combined	<input type="checkbox"/> In-Bound	<input type="checkbox"/> Out-Bound	<input checked="" type="checkbox"/> Dry		<input type="checkbox"/> Wet	<input checked="" type="checkbox"/> Asphalt	<input type="checkbox"/> Concrete	<input type="checkbox"/> Broken	<input type="checkbox"/> Rutted	<input type="checkbox"/> Curved
No.	<b>X56</b>	<b>X89</b>	<b>59</b>	<b>42</b>																
Box	<b>76</b>	<b>42</b>	<b>A6</b>	<b>F-28</b>																



PICK-UP			REMARKS		
<input type="checkbox"/> Hammer Test			<input type="checkbox"/> REDUNDANT SET-UP		
Date:	<b>3/18/04</b>	Time:	<b>10:30</b>	WEATHER: <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rain <input type="checkbox"/> Snow	
FILE NAMES: <b>18ANDSA61</b> <b>11 59</b> <b>1878TE 76</b> <b>1878TW 42</b> <b>18ANDN 26</b> <b>11 42</b>			Surveyed By: <b>m.p.</b> <b>TRAFFIC SMITHY</b> 1225 NW Murray Blvd. Suite 111 Portland, OR 97229 Phone: 503/641-6333 - Fax: 503/643-8866		

Remarks: **REDO WEST LEG PULL #42-MC**

**TRAFFIC SMITHY, INC**

1225 NW MURRAY BLVD

PORTLAND, OR 97209

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

Roadway: ANDRESEN

Location: SOUTH OF 78TH STREET

Date: 03/17/04

Day of Week: Wednesday

## NB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	2	5	2	4	1	6	8	0	5	0	0	0	33
01:00	0	2	3	4	3	1	1	1	2	4	3	3	27
02:00	4	1	1	2	2	1	2	1	1	0	3	2	20
03:00	1	4	0	2	0	1	1	1	3	4	3	1	21
04:00	1	1	5	1	5	0	0	3	3	4	3	4	30
05:00	1	6	2	6	6	2	10	8	11	5	13	8	78
06:00	6	6	11	6	10	16	18	16	17	26	15	24	171
07:00	21	20	18	30	27	28	28	27	26	17	30	30	302
08:00	26	41	39	33	43	36	29	32	32	22	41	37	411
09:00	33	41	32	42	35	27	17	54	22	27	33	39	402
10:00	34	23	34	36	32	44	34	33	30	39	49	39	427
11:00	44	45	54	44	36	48	39	44	44	56	48	47	549
12:00	46	61	49	48	61	44	27	56	48	53	51	44	588
13:00	50	52	58	57	65	48	61	44	62	53	45	52	647
14:00	52	71	56	47	52	55	72	50	62	50	61	57	685
15:00	67	68	67	73	46	55	54	70	82	60	66	64	772
16:00	59	88	90	63	66	93	47	81	46	82	73	50	838
17:00	86	85	104	62	96	63	65	65	62	49	60	58	855
18:00	86	58	52	62	61	42	59	39	43	73	49	56	680
19:00	47	51	39	41	39	33	36	34	36	35	31	27	449
20:00	35	37	45	35	37	31	25	30	18	34	28	31	386
21:00	27	29	35	31	36	34	22	19	12	19	24	13	301
22:00	26	11	14	19	16	21	8	15	8	12	10	10	170
23:00	14	7	6	9	3	12	5	7	4	4	4	5	80

Daily Total: 8922

AM Peak Hour: 549 (11:00 - 12:00)

PM Peak Hour: 905 (16:25 - 17:25)

4th Highest Hour: 685 (14:00 - 15:00)

8th Highest Hour: 549 (11:00 - 12:00)

6.15% Of Daily Total

10.1% Of Daily Total

7.67% Of Daily Total

6.15% Of Daily Total

**TRAFFIC SMITHY, INC**  
 1225 NW MURRAY BLVD  
 PORTLAND, OR 97209  
 Phone: 503-641-6333 Fax: 503-643-8866

Roadway: NE ANDRESEN  
 Location: SOUTH OF 78TH STREET

Date: 03/17/04  
 Day of Week: Wednesday

SB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	3	2	1	1	2	2	3	1	3	2	3	5	28
01:00	1	1	1	2	2	0	1	1	2	1	3	2	17
02:00	3	1	0	3	4	1	3	2	2	0	0	3	22
03:00	0	1	1	3	1	1	2	5	1	0	3	2	20
04:00	1	0	0	2	3	1	5	2	0	6	6	4	30
05:00	3	6	7	2	8	11	6	16	11	16	13	18	117
06:00	15	17	21	20	17	30	39	23	58	30	39	34	343
07:00	27	35	37	45	65	46	60	58	83	75	79	64	674
08:00	40	41	55	53	47	58	48	51	45	52	53	58	601
09:00	42	45	29	41	30	36	41	33	48	43	39	32	459
10:00	35	40	48	50	34	38	39	41	39	55	50	33	502
11:00	40	42	52	48	53	58	41	68	51	51	38	53	595
12:00	53	48	52	45	59	50	44	49	44	62	47	55	608
13:00	48	55	44	53	60	50	44	58	41	45	43	45	586
14:00	57	41	53	51	48	53	52	48	58	52	46	43	602
15:00	55	43	77	54	52	48	49	66	54	69	68	55	690
16:00	62	48	59	49	46	55	58	44	53	62	61	52	649
17:00	45	62	61	55	58	64	45	48	40	56	56	36	626
18:00	46	45	56	50	43	58	45	57	38	51	39	55	583
19:00	37	41	35	26	32	21	26	16	32	35	25	33	359
20:00	24	29	24	16	24	35	25	24	24	26	19	26	296
21:00	29	22	25	19	21	17	16	18	24	13	9	14	227
22:00	14	14	17	4	11	12	11	13	7	7	8	6	124
23:00	8	3	3	8	3	3	9	7	3	8	4	7	66

Daily Total: 8824

AM Peak Hour: 719 (07:20 - 08:20)

PM Peak Hour: 702 (15:10 - 16:10)

4th Highest Hour: 626 (17:00 - 18:00)

8th Highest Hour: 595 (11:00 - 12:00)

8.14% Of Daily Total

7.95% Of Daily Total

7.09% Of Daily Total

6.74% Of Daily Total

**TRAFFIC SMITHY, INC**  
 1225 NW MURRAY BLVD  
 PORTLAND, OR 97209  
 Phone: 503-641-6333 Fax: 503-643-8866

Roadway: NE ANDRESEN  
 Location: NORTH OF 78TH STREET

Date: 03/17/04  
 Day of Week: Wednesday

NB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	3	3	6	4	4	5	4	3	6	0	0	1	39
01:00	0	3	2	5	3	1	0	3	2	4	3	1	27
02:00	5	1	1	1	2	3	2	1	1	0	3	0	20
03:00	1	1	1	2	0	1	1	2	3	4	3	2	21
04:00	3	2	4	2	3	3	1	8	5	5	4	7	47
05:00	2	8	7	6	6	9	15	9	15	9	13	12	111
06:00	7	11	15	13	15	27	21	22	33	36	18	31	249
07:00	35	30	30	38	28	40	20	37	30	27	30	25	370
08:00	28	40	49	46	51	52	36	33	43	29	38	37	482
09:00	27	37	29	37	31	48	27	39	30	23	34	31	393
10:00	38	29	36	36	35	41	25	37	39	55	48	46	465
11:00	38	50	37	44	46	37	48	62	54	67	45	57	585
12:00	49	45	45	52	51	43	44	38	57	46	38	32	540
13:00	44	52	53	45	42	58	63	41	64	50	37	49	598
14:00	46	70	50	51	53	33	53	49	66	38	60	50	619
15:00	84	73	59	70	59	48	50	62	55	77	57	58	752
16:00	56	58	72	79	39	80	56	64	65	52	67	52	740
17:00	66	83	60	101	67	63	70	46	56	56	51	55	774
18:00	56	67	49	51	67	53	59	54	46	39	64	41	646
19:00	46	48	57	38	47	33	32	35	33	34	23	33	459
20:00	37	41	57	39	60	40	32	32	28	39	34	42	481
21:00	40	38	34	35	36	37	23	25	19	21	25	15	348
22:00	24	17	23	14	19	19	9	12	12	9	10	11	179
23:00	14	5	3	6	5	9	5	9	6	2	7	4	75

Daily Total: 9020

AM Peak Hour: 585 (11:00 - 12:00)

6.48% Of Daily Total

PM Peak Hour: 813 (16:25 - 17:25)

9.01% Of Daily Total

4th Highest Hour: 646 (18:00 - 19:00)

7.16% Of Daily Total

8th Highest Hour: 540 (12:00 - 13:00)

5.98% Of Daily Total

**TRAFFIC SMITHY, INC**

1225 NW MURRAY BLVD

PORTLAND, OR 97209

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

Roadway: NE ANDRESEN

Location: NORTH OF 78TH STREET

Date: 03/17/04

Day of Week: Wednesday

## SB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	4	3	4	4	2	5	2	1	3	5	2	2	37
01:00	1	1	0	1	1	0	0	2	1	1	3	2	13
02:00	1	1	2	3	2	0	1	2	0	1	0	1	14
03:00	0	1	5	0	1	3	5	1	1	1	2	2	22
04:00	0	0	0	4	2	6	5	0	3	4	5	5	34
05:00	3	5	6	0	10	6	16	8	16	14	21	16	121
06:00	14	12	19	15	15	34	29	23	51	27	29	25	293
07:00	31	24	45	35	58	32	61	60	55	65	49	57	572
08:00	47	44	55	48	40	58	51	33	57	42	70	48	593
09:00	46	57	41	46	40	26	46	43	45	39	39	15	483
10:00	38	39	42	32	39	38	22	29	41	56	43	29	448
11:00	39	34	46	49	41	34	48	44	42	38	30	57	502
12:00	39	53	37	41	39	45	44	28	51	39	50	39	505
13:00	42	46	31	41	54	42	39	37	42	34	35	46	489
14:00	48	39	42	46	39	45	42	41	52	42	47	51	534
15:00	57	50	63	50	46	56	68	47	60	55	45	61	658
16:00	50	61	41	54	61	52	45	49	48	72	24	68	625
17:00	49	42	61	53	54	30	68	45	46	52	62	44	606
18:00	60	58	46	56	58	56	54	57	70	55	63	46	679
19:00	43	35	40	24	29	26	27	19	30	28	30	33	364
20:00	34	25	20	29	26	24	25	22	21	17	23	23	289
21:00	29	13	24	15	20	16	12	22	18	15	13	11	208
22:00	15	12	10	9	15	10	17	13	4	9	9	6	129
23:00	2	5	6	5	5	7	11	4	7	7	5	9	73

Daily Total: 8291

AM Peak Hour: 639 (07:30 - 08:30)

PM Peak Hour: 679 (18:00 - 19:00)

4th Highest Hour: 606 (17:00 - 18:00)

8th Highest Hour: 505 (12:00 - 13:00)

7.70% Of Daily Total

8.18% Of Daily Total

7.30% Of Daily Total

6.09% Of Daily Total

**TRAFFIC SMITHY, INC**  
 1225 NW MURRAY BLVD  
 PORTLAND, OR 97209  
 Phone: 503-641-6333 Fax: 503-643-8866

Roadway: NE 78TH STREET  
 Location: EAST OF ANDRESEN

Date: 03/17/04  
 Day of Week: Wednesday

EB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	1	2	7	1	2	3	0	0	6	2	0	0	24
01:00	2	2	1	1	1	0	0	1	1	2	3	1	15
02:00	1	2	0	3	0	1	0	1	1	0	2	0	11
03:00	2	1	0	0	0	0	0	0	1	1	4	1	10
04:00	1	0	0	1	2	3	1	3	0	0	1	2	14
05:00	0	1	5	5	2	1	5	4	9	8	6	3	49
06:00	8	5	5	11	5	10	20	14	17	13	13	15	136
07:00	18	14	18	18	32	26	21	22	17	25	21	19	251
08:00	25	30	48	41	31	18	27	14	23	33	28	33	351
09:00	18	20	17	21	21	11	16	15	12	23	21	14	209
10:00	19	19	18	19	22	16	25	23	24	23	21	24	253
11:00	26	26	39	24	17	24	29	22	14	37	28	20	306
12:00	28	28	19	19	16	23	22	28	20	21	24	25	273
13:00	28	25	22	29	17	26	23	25	38	20	23	22	298
14:00	22	34	25	39	24	29	35	24	29	37	33	49	380
15:00	49	29	39	31	31	46	47	38	46	38	31	22	447
16:00	26	32	41	35	28	29	29	37	38	38	33	33	399
17:00	39	43	38	41	34	38	27	22	16	37	31	19	385
18:00	33	27	31	32	30	26	32	31	49	53	30	36	410
19:00	38	20	22	22	27	20	12	16	15	15	14	15	236
20:00	14	14	15	32	21	18	18	18	12	16	17	9	204
21:00	14	11	13	9	12	9	8	2	6	8	12	8	112
22:00	17	11	9	11	1	7	2	5	1	7	3	4	78
23:00	6	10	6	4	1	6	4	1	1	1	3	1	44

Daily Total: 4895

AM Peak Hour: 351 (08:00 - 09:00)

PM Peak Hour: 476 (14:50 - 15:50)

4th Highest Hour: 385 (17:00 - 18:00)

8th Highest Hour: 298 (13:00 - 14:00)

7.17% Of Daily Total

9.72% Of Daily Total

7.86% Of Daily Total

6.08% Of Daily Total

**TRAFFIC SMITHY, INC**

1225 NW MURRAY BLVD

PORTLAND, OR 97209

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

Roadway: NE 78TH STREET

Location: EAST OF ANDRESEN

Date: 03/17/04

Day of Week: Wednesday

## WB Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	1	2	0	5	5	0	3	0	1	1	3	0	21
01:00	1	0	2	2	0	0	1	0	1	0	1	1	9
02:00	0	0	0	1	0	2	1	1	0	0	1	0	6
03:00	0	1	0	1	0	2	1	2	2	5	0	1	15
04:00	0	1	2	2	2	1	2	1	2	2	1	2	18
05:00	0	4	2	8	7	7	11	9	17	9	10	9	93
06:00	15	13	14	17	9	25	17	15	23	15	14	12	189
07:00	28	23	27	10	25	31	37	29	45	41	28	19	343
08:00	24	35	50	61	42	31	19	23	24	28	23	23	383
09:00	23	18	26	19	17	21	19	20	20	19	20	17	239
10:00	11	19	19	22	13	21	23	21	22	28	33	25	257
11:00	15	30	12	27	38	32	23	25	30	14	26	25	297
12:00	21	18	32	27	32	17	18	28	17	18	16	22	266
13:00	26	22	22	28	22	22	29	35	36	24	25	19	310
14:00	18	17	21	29	25	33	39	27	39	23	29	51	351
15:00	62	45	36	25	25	23	26	43	20	22	26	26	379
16:00	14	36	21	30	25	24	29	41	26	24	29	31	330
17:00	31	44	29	38	30	26	28	24	30	25	29	38	372
18:00	24	24	27	26	28	26	26	26	20	37	29	28	321
19:00	28	26	16	12	16	15	6	18	12	12	14	9	184
20:00	12	21	10	8	17	14	16	9	14	19	10	24	174
21:00	24	19	11	18	15	10	9	10	16	17	3	11	163
22:00	7	12	8	3	4	0	2	2	5	2	6	2	53
23:00	3	5	3	2	2	2	2	6	3	4	6	2	40

Daily Total: 4813

AM Peak Hour: 442 (07:25 - 08:25)

PM Peak Hour: 438 (14:15 - 15:15)

4th Highest Hour: 351 (14:00 - 15:00)

8th Highest Hour: 310 (13:00 - 14:00)

9.18% Of Daily Total

9.10% Of Daily Total

7.29% Of Daily Total

6.44% Of Daily Total

# ROADWAY SURVEY FIELD SHEET

TS Project # 507 Map 507 Grid \_\_\_\_\_ Start Time 12:30 # Of Days 1

Location: 78th ST. West of ANDRESEN Type of Survey:  Volume  Speed  Classification

Start Date: 4/28/04 End Date: 4/30/04 Counters 2 Tubes 2

Location ID: \_\_\_\_\_ ALL of West Leg. VANCOUVER.

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

**SITE EVALUATION**

	YES	NO	???
Vehicles Crossing Tube Perpendicular	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do You Anticipate Queuing Across Tube	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Speed Greater Than 20 Miles / Hour	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tube Crosses No More Than 2 Lanes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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					(TAD, TBD)
	MPH	10-20	15-30	25-40	35-45	
Standing Queue	200	130	100	80	40	<input type="checkbox"/> A
5 - 10 MPH	130	90	70	60	40	<input type="checkbox"/> B
> 10 MPH	100	80	60	60	60	<input type="checkbox"/> M <input type="checkbox"/> 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 CLASS 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**

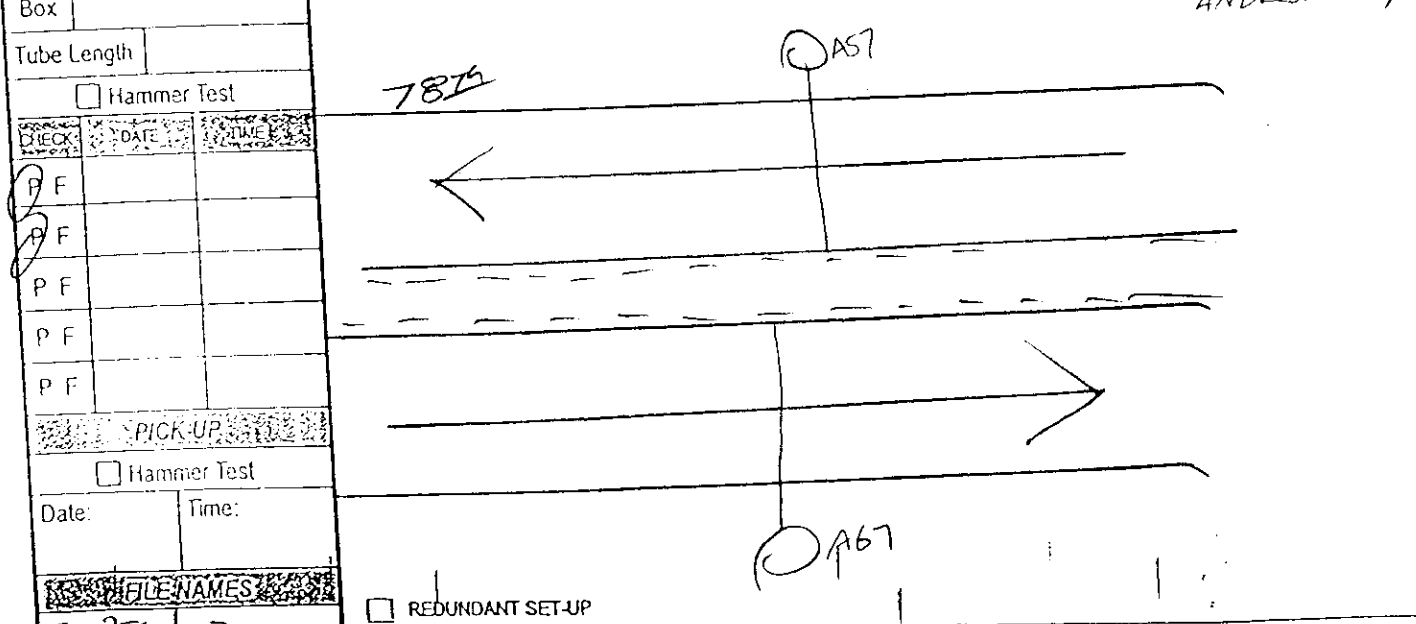
Type: AMAY No: 157/159 Box: \_\_\_\_\_

DIRECTION:  East Bound  West Bound  North Bound  South Bound  Approach

COMBINED:  East / West  North / South DRIVEWAY:  Combined  In-Bound  Out-Bound

ROAD CONDITION:  Dry  Wet  Asphalt  Concrete  Broken  Rutted  Curved

ANDRESEN →



**PICK-UP**

Hammer Test

Date: \_\_\_\_\_ Time: \_\_\_\_\_

**FILE NAMES**

30RTC A57  
30RTC AB7  
14RTC AG1

REDUNDANT SET-UP

Remarks: \_\_\_\_\_ WEATHER:  Sunny  Overcast  Rain  Snow

Surveyed By: E.V.  
**TRAFFIC SMITHY**  
Traffic Survey And Data Collection  
1225 NW Murray Blvd Suite 111  
Portland, OR 97229  
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: 78TH ST. WEST OF ANDRESEN  
 Location: ALL OF WEST LEG

Date: 04/28/04  
 Day of Week: Wednesday

W.B. Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00													
01:00													
02:00													
03:00													
04:00													
05:00													
06:00													
07:00													
08:00													
09:00													
10:00													
11:00													
12:00	0	0	0	15	33	20	33	26	31	25	31	24	238
13:00	19	24	33	26	28	25	23	21	32	32	16	16	295
14:00	20	27	30	37	36	21	33	29	31	34	32	30	360
15:00	29	35	40	35	44	20	28	19	37	34	30	13	364
16:00	32	30	36	31	24	44	38	31	37	34	42	31	410
17:00	32	41	31	40	51	31	42	31	26	33	39	38	435
18:00	29	38	47	43	59	45	33	30	28	24	31	16	423
19:00	37	24	18	21	21	16	16	17	28	17	23	24	262
20:00	30	27	27	31	21	21	18	16	28	11	12	15	257
21:00	14	37	11	18	12	16	13	10	8	14	7	14	174
22:00	4	10	11	8	10	10	3	5	8	7	3	8	87
23:00	10	4	2	1	3	1	7	2	1	4	2	2	39

Daily Total:  
 AM Peak Hour:  
 PM Peak Hour:  
 4th Highest Hour:  
 8th Highest Hour:

**TRAFFIC SMITHY, INC**

1225 NW MURRAY BLVD

PORTLAND, OR 97209

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

Roadway: 78TH ST. WEST OF ANDRESEN

Location: ALL OF WEST LEG

Date: 04/29/04

Day of Week: Thursday

## W.B. Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	3	0	5	1	1	0	5	1	1	2	4	2	25
01:00	3	4	1	0	1	1	1	2	1	1	1	0	16
02:00	2	2	0	0	0	1	0	0	3	2	1	1	12
03:00	0	1	1	0	1	1	0	0	1	1	0	1	7
04:00	2	0	2	2	2	1	0	3	2	2	1	2	19
05:00	1	10	2	3	4	5	3	3	11	10	17	10	79
06:00	10	7	5	9	21	15	15	18	18	13	19	10	160
07:00	14	5	21	19	19	19	13	24	25	19	21	26	225
08:00	17	26	19	20	20	37	25	30	22	24	15	25	280
09:00	14	31	22	37	28	22	27	22	25	17	24	12	281
10:00	22	24	24	29	25	19	14	28	16	23	19	25	268
11:00	25	27	24	19	23	31	18	12	16	18	23	16	252
12:00	29	11	16	33	21	26	25	23	17	19	26	21	267
13:00	36	19	26	26	32	27	30	30	32	35	34	24	351
14:00	26	24	28	20	38	28	30	20	37	27	32	22	332
15:00	44	41	28	29	27	22	33	22	26	43	24	31	370
16:00	32	23	40	29	30	49	28	31	53	34	23	36	408
17:00	35	24	41	28	31	43	35	30	43	30	36	28	404
18:00	23	24	38	22	28	31	29	25	37	25	36	30	348
19:00	17	23	25	26	25	23	18	18	13	28	19	18	253
20:00	23	21	15	14	22	10	7	14	15	20	8	19	188
21:00	14	12	12	19	13	12	19	13	10	7	8	8	147
22:00	7	4	7	5	6	13	5	2	4	8	6	5	72
23:00	5	9	6	3	3	2	2	1	2	2	3	5	43

Daily Total: 4807

AM Peak Hour: 310 (08:25 - 09:25)

PM Peak Hour: 414 (16:35 - 17:35)

4th Highest Hour: 351 (13:00 - 14:00)

8th Highest Hour: 280 (08:00 - 09:00)

6.44% Of Daily Total

8.61% Of Daily Total

7.30% Of Daily Total

5.82% Of Daily Total

**TRAFFIC SMITHY, INC**

1225 NW MURRAY BLVD

PORTLAND, OR 97209

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

Roadway: 78TH ST WEST OF ANDRESEN

Location: VANCOUVER, WA

Date: 05/13/04

Day of Week: Thursday

## E.B. Traffic

TIME	:00	:05	:10	:15	:20	:25	:30	:35	:40	:45	:50	:55	Total
00:00	2	2	1	1	2	1	2	4	5	0	3	2	25
01:00	2	2	3	5	4	2	3	1	2	1	1	1	27
02:00	2	2	2	1	1	0	1	2	0	0	0	0	11
03:00	1	1	1	1	0	1	0	2	2	0	0	2	11
04:00	0	1	1	1	1	4	1	2	0	3	0	5	19
05:00	3	3	6	2	3	5	6	9	7	10	6	10	70
06:00	11	14	11	19	19	17	12	14	20	28	26	34	225
07:00	22	33	11	37	31	29	27	37	28	30	40	36	361
08:00	29	32	38	42	34	32	36	29	21	27	28	27	375
09:00	27	25	23	29	35	25	27	16	30	28	25	24	314
10:00	28	30	21	26	31	21	21	36	37	24	38	33	346
11:00	15	26	30	41	27	35	25	31	32	41	25	36	364
12:00	35	51	40	32	45	22	43	36	32	36	31	41	444
13:00	29	37	34	36	27	32	22	26	39	33	24	40	379
14:00	23	37	35	28	26	28	38	37	28	39	36	29	384
15:00	43	41	50	30	50	33	39	35	52	41	40	35	489
16:00	49	32	43	35	40	27	33	43	28	43	31	31	435
17:00	33	42	47	49	40	52	36	37	43	35	42	33	489
18:00	30	28	22	35	34	31	29	31	36	32	32	29	369
19:00	25	27	35	17	27	24	25	29	20	18	15	18	280
20:00	24	22	22	19	14	26	15	26	25	18	28	15	254
21:00	23	13	21	10	8	17	10	21	16	8	13	12	172
22:00	13	17	9	10	6	21	2	7	8	8	8	1	110
23:00	4	6	7	5	6	3	6	5	8	2	2	2	56

Daily Total: 6009

AM Peak Hour: 414 (07:35 - 08:35)

PM Peak Hour: 495 (15:05 - 16:05)

4th Highest Hour: 435 (16:00 - 17:00)

8th Highest Hour: 369 (18:00 - 19:00)

6.88% Of Daily Total

8.23% Of Daily Total

7.23% Of Daily Total

6.14% Of Daily Total