

ROADWAY SURVEY FIELD SHEET

TS Project # 02308 Map _____ Grid _____ Start Time 8:55 # Of Days 3

Location: WASHOUGAL, WA
E ST JUST WEST OF 12TH ST
 Location ID: # 3

Type Of Survey:
 Volume
 Speed
 Classification

Start Date: 5/29/12 Counters 2
 S M T W T F S
 End Date: 5/31/12 Tubes 2
 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 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>> 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>> 10 MPH</td> <td>100</td> <td>80</td> <td>60</td> <td>60</td> <td>60</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	60	60	60
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	60	60																																				
Do You Anticipate Queuing Across Tube	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 25 Mph	<input type="checkbox"/> 45 Mph	(TAD, TBD) <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> M <input type="checkbox"/> D Use 2 Counters if Traffic Conditions are different in each direction. DWEELL (TAD, TBD) <u>60</u>																																			
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 No More Than 2 Lanes	<input checked="" type="checkbox"/>	<input 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 CLASS 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: Amayx

No. A20, A32

Box _____

Tube Length 40'

Hammer Test

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

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

PICK-UP

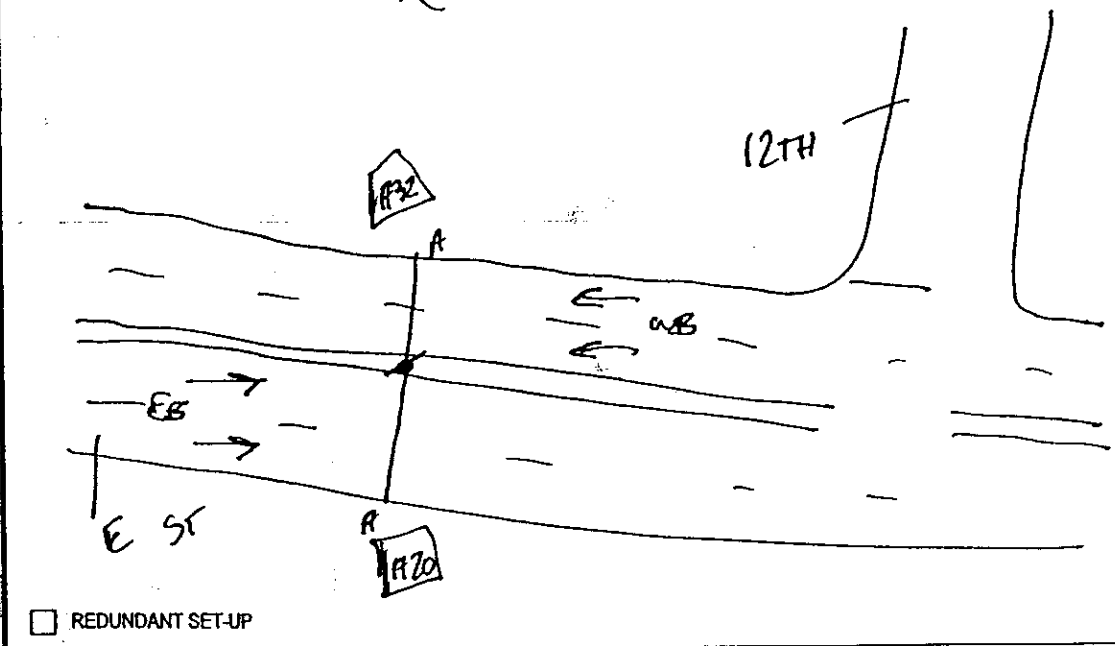
Hammer Test

Date: 5/31/12 Time: 09:05

FILE NAMES

31EA20

31EA32



REDUNDANT SET-UP

Remarks: A20 23,040
A32 21,584

WEATHER: Sunny Overcast Rain Snow

Surveyed By: MC

TRAFFIC SMITHY
 Traffic Survey And Data Collection
 1225 NW Murray Blvd. Suite 111
 Portland, OR 97229
 503/641-6333 - Fax: 503/643-8866

ROADWAY TRAFFIC SURVEY

Roadway: E STREET
 Location: JUST WEST OF 12TH STREET
 Direction: EAST BOUND
 Date: 5/29/2
 Day of Week: WEDNESDAY
 Axles per Vehicles: 2

Traffic Smithy
 Traffic Survey Service
 (503) 641-6333

Hour of Day	:00- :05	:05- :10	:10- :15	:15- :20	:20- :25	:25- :30	:30- :35	:35- :40	:40- :45	:45- :50	:50- :55	:55- :00	Hour Tot.
00-01	0	0	0	0	0	0	0	0	0	0	0	0	0
01-02	0	0	0	0	0	0	0	0	0	0	0	0	0
02-03	0	0	0	0	0	0	0	0	0	0	0	0	0
03-04	0	0	0	0	0	0	0	0	0	0	0	0	0
04-05	0	0	0	0	0	0	0	0	0	0	0	0	0
05-06	0	0	0	0	0	0	0	0	0	0	0	0	0
06-07	0	0	0	0	0	0	0	0	0	0	0	0	0
07-08	0	0	0	0	0	0	0	0	0	0	0	0	0
08-09	0	0	0	0	0	0	0	0	0	3	19	26	48
09-10	23	15	24	11	17	21	17	31	37	26	26	31	279
10-11	26	19	25	20	20	22	26	27	33	24	18	30	290
11-12	41	35	37	27	35	33	31	39	44	43	36	40	441
12-13	40	33	40	35	35	31	27	28	42	39	41	43	434
13-14	30	31	26	36	30	37	39	25	31	25	34	43	387
14-15	29	31	44	31	23	34	30	26	38	35	33	33	387
15-16	43	43	42	46	30	36	42	45	47	38	42	50	504
16-17	48	50	40	33	38	50	46	44	43	55	32	56	535
17-18	43	48	43	44	44	42	40	40	46	33	42	36	501
18-19	21	36	26	38	31	28	33	26	29	37	28	36	369
19-20	29	23	26	18	28	28	22	21	25	17	25	20	282
20-21	21	24	10	22	25	29	28	21	26	26	30	24	286
21-22	25	18	17	17	20	9	21	9	10	18	9	14	187
22-23	8	3	6	10	7	8	8	4	9	4	2	4	73
23-24	6	1	1	6	6	1	1	1	2	1	3	3	32

Daily Total:
 AM Peak Hour () % of Daily Total
 PM Peak Hour () % of Daily Total
 4th Highest Hour () % of Daily Total
 8th Highest Hour () % of Daily Total

DELAY USED 60

99-46-46(31EA20.CAP)

ROADWAY TRAFFIC SURVEY

Roadway: E STREET
 Location: JUST WEST OF 12TH STREET
 Direction: EAST BOUND
 Date: 5/30/2
 Day of Week: THURSDAY
 Axles per Vehicles: 2

Traffic Smithy
 Traffic Survey Service
 (503) 641-6333

Hour of Day	:00- :05	:05- :10	:10- :15	:15- :20	:20- :25	:25- :30	:30- :35	:35- :40	:40- :45	:45- :50	:50- :55	:55- :00	Hour Tot.
00-01	1	0	3	4	0	0	2	4	1	1	0	0	16
01-02	0	3	1	1	1	0	0	3	1	0	1	4	15
02-03	0	0	1	1	0	0	0	0	0	0	3	1	6
03-04	0	1	0	0	1	0	1	1	2	0	1	0	7
04-05	1	0	1	0	0	4	0	4	0	1	1	2	14
05-06	2	0	2	1	1	1	3	3	4	0	5	5	27
06-07	5	5	10	10	9	6	13	15	9	17	10	17	126
07-08	15	21	21	14	18	13	22	22	35	17	17	19	234
08-09	7	13	17	22	17	20	18	19	32	27	22	17	231
09-10	18	20	18	30	27	21	20	23	29	24	19	28	277
10-11	34	31	27	18	21	28	25	37	21	35	29	29	335
11-12	31	23	46	38	29	32	28	34	41	36	33	45	416
12-13	33	41	39	38	32	30	28	30	49	38	49	35	442
13-14	32	28	33	35	32	30	35	32	35	32	29	23	376
14-15	38	38	42	39	22	43	45	28	33	54	46	41	469
15-16	47	34	40	31	46	47	39	40	46	39	52	43	504
16-17	45	41	38	38	55	46	46	46	46	39	51	60	551
17-18	27	57	56	30	36	46	47	32	48	40	41	42	502
18-19	41	27	45	36	36	40	23	29	25	33	19	26	380
19-20	22	23	22	33	23	26	24	20	16	28	24	31	292
20-21	27	18	27	16	21	29	23	29	22	24	24	14	274
21-22	12	27	10	16	25	14	23	10	9	23	16	15	200
22-23	6	12	8	3	13	11	2	8	7	11	4	6	91
23-24	7	9	5	5	11	3	2	3	3	3	5	2	58

Daily Total: 5843

AM Peak Hour (11:00-12:00) 416

7.12 % of Daily Total

PM Peak Hour (16:15-17:15) 567

9.7 % of Daily Total

4th Highest Hour (14:00-15:00) 469

8.03 % of Daily Total

8th Highest Hour (13:00-14:00) 376

6.44 % of Daily Total

DELAY USED 60

99-46-46 (31EA20.CAP)

ROADWAY TRAFFIC SURVEY

Roadway: E STREET
 Location: JUST WEST OF 12TH STREET
 Direction: EAST BOUND
 Date: 5/31/2
 Day of Week: FRIDAY
 Axles per Vehicles: 2

Traffic Smithy
 Traffic Survey Service
 (503) 641-6333

Hour of Day	:00- :05	:05- :10	:10- :15	:15- :20	:20- :25	:25- :30	:30- :35	:35- :40	:40- :45	:45- :50	:50- :55	:55- :00	Hour Tot.
00-01	1	0	2	5	2	2	1	3	2	1	1	1	21
01-02	1	0	2	2	1	2	2	0	1	2	3	5	21
02-03	2	2	0	2	0	5	0	2	0	4	0	2	19
03-04	2	1	1	1	1	0	2	0	0	0	1	0	9
04-05	0	1	0	2	5	0	0	2	2	2	3	3	20
05-06	5	1	2	1	1	1	2	2	2	4	2	3	26
06-07	4	4	6	8	6	6	7	13	21	12	13	9	109
07-08	20	16	18	19	17	19	21	21	34	19	22	17	243
08-09	14	16	25	18	18	23	18	31	23	22	28	0	236
09-10	0	0	0	0	0	0	0	0	0	0	0	7	7
10-11	0	0	0	0	0	0	0	0	0	0	0	0	0
11-12													
12-13													
13-14													
14-15													
15-16													
16-17													
17-18													
18-19													
19-20													
20-21													
21-22													
22-23													
23-24													

Daily Total:
 AM Peak Hour () % of Daily Total
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 4th Highest Hour () % of Daily Total
 8th Highest Hour () % of Daily Total

DELAY USED 60

99-46-46(31EA20.CAP)

ROADWAY TRAFFIC SURVEY

Roadway: E STREET
 Location: JUST WEST OF 12TH STREET
 Direction: WEST BOUND
 Date: 5/29/2
 Day of Week: WEDNESDAY
 Axles per Vehicles: 2

Traffic Smithy
 Traffic Survey Service
 (503) 641-6333

Hour of Day	:00- :05	:05- :10	:10- :15	:15- :20	:20- :25	:25- :30	:30- :35	:35- :40	:40- :45	:45- :50	:50- :55	:55- :00	Hour Tot.
00-01	0	0	0	0	0	0	0	0	0	0	0	0	0
01-02	0	0	0	0	0	0	0	0	0	0	0	0	0
02-03	0	0	0	0	0	0	0	0	0	0	0	0	0
03-04	0	0	0	0	0	0	0	0	0	0	0	0	0
04-05	0	0	0	0	0	0	0	0	0	0	0	0	0
05-06	0	0	0	0	0	0	0	0	0	0	0	0	0
06-07	0	0	0	0	0	0	0	0	0	0	0	0	0
07-08	0	0	0	0	0	0	0	0	0	0	0	0	0
08-09	0	0	0	0	0	0	0	0	0	0	10	21	31
09-10	27	27	24	25	22	24	31	18	30	30	34	14	306
10-11	24	28	26	33	24	23	23	19	16	31	27	32	306
11-12	40	26	27	20	47	26	25	43	28	30	36	29	377
12-13	32	42	35	36	33	38	39	28	43	35	37	31	429
13-14	33	33	34	37	24	23	34	27	24	35	33	29	366
14-15	31	36	41	37	33	34	37	47	39	38	32	37	442
15-16	33	31	38	44	36	23	38	35	41	31	34	38	422
16-17	40	35	31	44	30	45	28	32	29	35	31	58	438
17-18	39	32	41	37	19	23	27	41	17	34	25	26	361
18-19	29	36	38	29	24	13	24	29	30	25	27	24	328
19-20	20	25	23	18	20	19	19	12	21	7	21	15	220
20-21	17	17	25	13	15	14	16	20	16	12	11	17	193
21-22	14	20	21	6	7	12	13	13	9	5	7	5	132
22-23	4	7	5	5	12	2	3	3	6	8	3	3	61
23-24	4	4	5	2	2	3	3	0	5	4	5	1	38

Daily Total:
 AM Peak Hour () % of Daily Total
 PM Peak Hour () % of Daily Total
 4th Highest Hour () % of Daily Total
 8th Highest Hour () % of Daily Total

DELAY USED 60

99-46-46 (31EA32.CAP)

ROADWAY TRAFFIC SURVEY

Roadway: E STREET
 Location: JUST WEST OF 12TH STREET
 Direction: WEST BOUND
 Date: 5/30/2
 Day of Week: THURSDAY
 Axles per Vehicles: 2

Traffic Smithy
 Traffic Survey Service
 (503) 641-6333

Hour of Day	:00- :05	:05- :10	:10- :15	:15- :20	:20- :25	:25- :30	:30- :35	:35- :40	:40- :45	:45- :50	:50- :55	:55- :00	Hour Tot.
00-01	1	0	1	1	2	2	2	1	2	1	1	1	15
01-02	1	0	2	1	0	2	2	1	2	1	0	0	12
02-03	0	0	0	1	1	0	0	2	1	1	1	0	7
03-04	2	1	1	0	0	0	3	1	1	0	0	0	9
04-05	0	2	2	0	0	1	3	0	0	2	5	2	17
05-06	6	2	6	5	6	8	6	4	6	5	8	8	70
06-07	7	8	5	5	13	12	16	16	19	18	15	17	151
07-08	17	21	17	12	25	24	23	18	24	16	21	34	252
08-09	31	24	31	23	12	19	26	19	34	24	29	18	290
09-10	21	16	19	25	21	36	30	27	16	25	31	24	291
10-11	25	28	31	37	39	26	27	20	29	20	24	26	332
11-12	43	33	29	25	24	31	35	20	31	31	25	28	355
12-13	34	31	34	28	32	32	35	22	27	20	39	27	361
13-14	30	39	32	44	28	29	38	32	31	26	38	26	393
14-15	23	31	28	27	30	30	29	49	41	31	31	31	381
15-16	33	40	43	44	36	31	43	51	35	29	46	34	465
16-17	43	46	34	34	42	51	38	42	38	40	36	39	483
17-18	38	49	29	41	27	31	31	35	35	33	20	34	403
18-19	29	33	33	24	26	29	33	23	39	24	28	24	345
19-20	35	30	35	21	35	19	23	23	16	28	10	20	295
20-21	24	22	18	11	22	21	11	23	13	18	11	8	202
21-22	11	15	16	22	7	8	6	7	8	7	9	9	125
22-23	10	9	10	5	6	2	7	11	6	5	4	7	82
23-24	6	2	8	3	2	5	5	3	2	2	2	1	41

Daily Total: 5377
 AM Peak Hour (11:00-12:00) 355 6.6 % of Daily Total
 PM Peak Hour (15:50-16:50) 488 9.08 % of Daily Total
 4th Highest Hour (13:00-14:00)393 7.31 % of Daily Total
 8th Highest Hour (18:00-19:00)345 6.42 % of Daily Total

DELAY USED 60

99-46-46(31EA32.CAP)

ROADWAY TRAFFIC SURVEY

Roadway: E STREET
 Location: JUST WEST OF 12TH STREET
 Direction: WEST BOUND
 Date: 5/31/2
 Day of Week: FRIDAY
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Hour of Day	:00-:05	:05-:10	:10-:15	:15-:20	:20-:25	:25-:30	:30-:35	:35-:40	:40-:45	:45-:50	:50-:55	:55-:00	Hour Tot.
00-01	3	1	0	3	2	2	1	3	1	0	2	1	19
01-02	0	2	4	1	3	0	1	1	0	2	0	2	16
02-03	1	3	1	1	1	1	2	2	1	1	0	0	14
03-04	1	5	3	2	0	1	1	0	1	3	0	1	18
04-05	2	0	0	0	1	1	2	3	0	2	3	1	15
05-06	2	2	5	5	10	12	6	8	6	8	6	9	79
06-07	5	8	5	10	16	13	15	20	11	17	18	29	167
07-08	14	13	17	12	21	20	32	28	18	24	31	23	253
08-09	24	31	27	25	21	21	27	37	38	38	32	0	321
09-10	0	0	0	0	0	0	0	0	0	0	0	27	27
10-11	0	0	0	0	0	0	0	0	0	0	0	0	0
11-12													
12-13													
13-14													
14-15													
15-16													
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99-46-46(31EA32.CAP)

