Vehicle Turning Movement Survey
With Classification

Major Route: 3rd Avenue
Minor Route: Mar Street
Municipality: Port Alberni
Filename: 3-3rd Ave @ Mar St-Sep 26, 2017.xlsx
Location #: 3

Date: September 26, 2017
Day-of-week: Tuesday

East/West Route: 3rd Avenue
Intersection Type: 4-leg
Signalized?: No
Weather: Clear and dry

Vehicle Classifications: Regular Vehicles
Buses
Articulated Trucks
Cube Trucks
Dump Trucks
Emergency Trucks
Garbage Trucks
Logging Trucks
RVs
Utility Trucks

This data is for Regular Vehicles

Shift	Start	End	Duration
AM	7:00	12:00	5.00
MD	12:00	15:00	3.00
PM			
Total	**7:00**		**8.00**

Notes: 24-hour clock used for reporting (15-minute increments)
North Approach - southbound vehicles approaching intersection from the north
15x4 - 15 min volume (from maximum 15 minute period of movement/approach in peak hour period [*]) x 4
Pedestrians - N indicates pedestrians crossing north approach (east/west)

Comments:

Survey Data
Regular Vehicles

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak	Crosswalks			
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E
7:00	1	7	0	**8**	0	11	0	**11**	0	0	0	**0**	0	0	0	**0**	**19**			0	1	1	1
7:15	1	13	0	**14**	0	13	0	**13**	1	1	0	**2**	0	1	2	**3**	**32**			0	0	0	0
7:30	2	10	0	**12**	0	23	0	**23**	0	0	0	**0**	1	0	1	**2**	**37**			1	0	0	1
7:45	1	9	0	**10**	0	11	0	**11**	1	0	1	**2**	0	0	3	**3**	**26**	114		0	0	1	2
8:00	1	7	0	**8**	1	25	1	**27**	0	0	1	**1**	0	0	1	**1**	**37**	132		0	1	1	1
8:15	3	20	0	**23**	2	24	0	**26**	0	0	1	**1**	0	0	1	**1**	**51**	151		0	1	0	0
8:30	3	18	1	**22**	2	35	1	**38**	1	0	0	**1**	0	0	2	**2**	**63**	177		0	0	1	1
8:45	2	20	0	**22**	1	28	1	**30**	0	0	0	**0**	0	1	6	**7**	**59**	210		1	0	1	2
9:00	6	17	2	**25**	2	25	1	**28**	0	1	1	**2**	0	0	2	**2**	**57**	230		2	1	1	1
9:15	6	12	2	**20**	3	23	1	**27**	1	0	1	**2**	1	0	7	**8**	**57**	236		1	0	1	5
9:30	2	16	4	**22**	1	18	1	**20**	4	0	3	**7**	2	0	5	**7**	**56**	229		0	0	0	5
9:45	4	19	2	**25**	2	34	1	**37**	1	2	0	**3**	2	1	8	**11**	**76**	246		1	1	1	1
10:00	0	21	4	**25**	1	25	3	**29**	1	1	1	**3**	0	0	9	**9**	**66**	255		1	0	2	1
10:15	3	20	5	**28**	1	30	1	**32**	2	0	2	**4**	0	1	8	**9**	**73**	271	*	1	0	0	3
10:30	2	23	0	**25**	0	26	2	**28**	5	1	0	**6**	2	0	8	**10**	**69**	284	*	0	1	1	0
10:45	8	22	2	**32**	1	28	1	**30**	0	1	0	**1**	0	0	8	**8**	**71**	279	*	0	2	2	1
11:00	9	18	3	**30**	0	36	0	**36**	5	0	1	**6**	2	3	10	**15**	**87**	300	+	0	0	0	1
11:15	7	18	3	**28**	1	16	0	**17**	2	1	1	**4**	0	1	10	**11**	**60**	287		0	0	1	1
11:30	5	25	2	**32**	0	18	1	**19**	2	1	1	**4**	1	0	10	**11**	**66**	284		3	0	1	0
11:45	2	28	2	**32**	2	33	4	**39**	0	1	1	**2**	0	2	6	**8**	**81**	294		0	0	1	0
Total	68	343	32	**443**	20	482	19	**521**	26	10	15	**51**	11	10	107	**128**	**1143**			11	8	16	27
12:00	2	16	2	**20**	1	28	1	**30**	1	1	4	**6**	3	1	9	**13**	**69**			2	1	3	2
12:15	5	28	3	**36**	2	21	1	**24**	2	1	0	**3**	0	0	6	**6**	**69**			2	1	2	1
12:30	6	26	1	**33**	2	31	2	**35**	1	2	0	**3**	0	0	4	**4**	**75**			1	1	1	2
12:45	7	20	5	**32**	2	39	2	**43**	1	3	3	**7**	4	1	5	**10**	**92**	305		3	0	0	2
13:00	4	25	3	**32**	2	31	4	**37**	3	0	0	**3**	1	0	6	**7**	**79**	315		1	0	0	3
13:15	10	25	2	**37**	1	31	3	**35**	1	1	2	**4**	1	0	7	**8**	**84**	330		0	1	0	0
13:30	4	25	4	**33**	1	28	1	**30**	2	3	3	**8**	0	0	8	**8**	**79**	334		0	2	3	1
13:45	5	28	1	**34**	0	44	1	**45**	1	1	4	**6**	0	2	6	**8**	**93**	335	+	1	1	0	0
14:00	6	24	0	**30**	3	31	0	**34**	3	0	0	**3**	2	1	12	**15**	**82**	338	*	2	0	1	1
14:15	6	18	4	**28**	2	47	1	**50**	1	1	1	**3**	2	0	10	**12**	**93**	347	*	0	2	7	8
14:30	5	23	2	**30**	0	31	2	**33**	3	1	0	**4**	0	0	10	**10**	**77**	345	*	0	1	6	0
14:45	5	25	3	**33**	3	32	2	**37**	0	1	1	**2**	1	2	9	**12**	**84**	336		0	2	1	4
n/a																							
n/a																							
n/a																							
n/a																							
Total	65	283	30	**378**	19	394	20	**433**	19	15	18	**52**	14	7	92	**113**	**976**			12	12	24	24
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
Total																							

AM Peak Period
Regular Vehicles

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

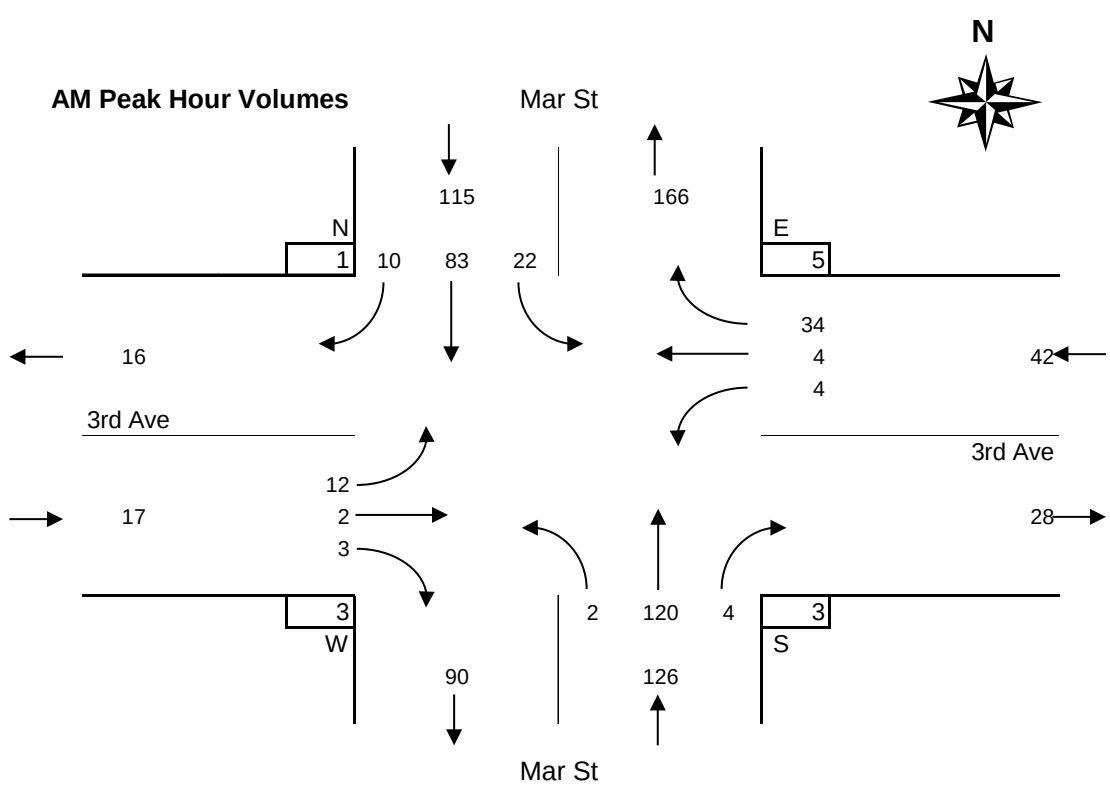
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak	Crosswalks				Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
7:00	1	7	0	8	0	11	0	11	0	0	0	0	0	0	0	0	19			0	1	1	1	12	
7:15	1	13	0	14	0	13	0	13	1	1	0	2	0	1	2	3	32			0	0	0	0	18	
7:30	2	10	0	12	0	23	0	23	0	0	0	0	1	0	1	2	37			1	0	0	1	26	
7:45	1	9	0	10	0	11	0	11	1	0	1	2	0	0	3	3	26	114		0	0	1	2	16	72
8:00	1	7	0	8	1	25	1	27	0	0	1	1	0	0	1	1	37	132		0	1	1	1	28	88
8:15	3	20	0	23	2	24	0	26	0	0	1	1	0	0	1	1	51	151		0	1	0	0	28	98
8:30	3	18	1	22	2	35	1	38	1	0	0	1	0	0	2	2	63	177		0	0	1	1	42	114
8:45	2	20	0	22	1	28	1	30	0	0	0	0	0	1	6	7	59	210		1	0	1	2	38	136
9:00	6	17	2	25	2	25	1	28	0	1	1	2	0	0	2	2	57	230		2	1	1	1	34	142
9:15	6	12	2	20	3	23	1	27	1	0	1	2	1	0	7	8	57	236		1	0	1	5	38	152
9:30	2	16	4	22	1	18	1	20	4	0	3	7	2	0	5	7	56	229		0	0	0	5	30	140
9:45	4	19	2	25	2	34	1	37	1	2	0	3	2	1	8	11	76	246		1	1	1	1	49	151
10:00	0	21	4	25	1	25	3	29	1	1	1	3	0	0	9	9	66	255		1	0	2	1	38	155
10:15	3	20	5	28	1	30	1	32	2	0	2	4	0	1	8	9	73	271	*	1	0	0	3	45	162
10:30	2	23	0	25	0	26	2	28	5	1	0	6	2	0	8	10	69	284	*	0	1	1	0	43	175
10:45	8	22	2	32	1	28	1	30	0	1	0	1	0	0	8	8	71	279	*	0	2	2	1	45	171
11:00	9	18	3	30	0	36	0	36	5	0	1	6	2	3	10	15	87	300	+	0	0	0	1	63	196
11:15	7	18	3	28	1	16	0	17	2	1	1	4	0	1	10	11	60	287		0	0	1	1	36	187
11:30	5	25	2	32	0	18	1	19	2	1	1	4	1	0	10	11	66	284		3	0	1	0	39	183
11:45	2	28	2	32	2	33	4	39	0	1	1	2	0	2	6	8	81	294		0	0	1	0	47	185
Total	68	343	32	**443**	20	482	19	**521**	26	10	15	**51**	11	10	107	**128**	1143			11	8	16	27		712
Avg Hr	14	69	6	**89**	4	96	4	**104**	5	2	3	**10**	2	2	21	**26**	229			2	2	3	5		

Peak hour of the intersection

Pk Hr	22	83	10	115	2	120	4	126	12	2	3	17	4	4	34	42	300	*		1	3	3	5		196
15x4	36	92	20	128	4	144	8	144	20	4	8	24	8	12	40	60	348	+		4	8	8	12		260
PHF	0.61	0.90	0.50	**0.90**	0.50	0.83	0.50	**0.88**	0.60	0.50	0.38	**0.71**	0.50	0.33	0.85	**0.70**	0.86			0.25	0.38	0.38	0.42		0.75

Peak hour of conflicting volumes for the intersection

Pk Hr	22	83	10	115	2	120	4	126	12	2	3	17	4	4	34	42	300	*		1	3	3	5		196
15x4	36	92	20	128	4	144	8	144	20	4	8	24	8	12	40	60	348	+		4	8	8	12		260
PHF	0.61	0.90	0.50	**0.90**	0.50	0.83	0.50	**0.88**	0.60	0.50	0.38	**0.71**	0.50	0.33	0.85	**0.70**	0.86			0.25	0.38	0.38	0.42		0.75



MD Peak Period
Regular Vehicles

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak	Crosswalks				Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
12:00	2	16	2	20	1	28	1	30	1	1	4	6	3	1	9	13	69			2	1	3	2	42	
12:15	5	28	3	36	2	21	1	24	2	1	0	3	0	0	6	6	69			2	1	2	1	41	
12:30	6	26	1	33	2	31	2	35	1	2	0	3	0	0	4	4	75			1	1	1	2	44	
12:45	7	20	5	32	2	39	2	43	1	3	3	7	4	1	5	10	92	305		3	0	0	2	58	185
13:00	4	25	3	32	2	31	4	37	3	0	0	3	1	0	6	7	79	315		1	0	0	3	48	191
13:15	10	25	2	37	1	31	3	35	1	1	2	4	1	0	7	8	84	330		0	1	0	0	52	202
13:30	4	25	4	33	1	28	1	30	2	3	3	8	0	0	8	8	79	334		0	2	3	1	43	201
13:45	5	28	1	34	0	44	1	45	1	1	4	6	0	2	6	8	93	335	+	1	1	0	0	59	202
14:00	6	24	0	30	3	31	0	34	3	0	0	3	2	1	12	15	82	338	*	2	0	1	1	53	207
14:15	6	18	4	28	2	47	1	50	1	1	1	3	2	0	10	12	93	347	*	0	2	7	8	65	220
14:30	5	23	2	30	0	31	2	33	3	1	0	4	0	0	10	10	77	345	*	0	1	6	0	51	228
14:45	5	25	3	33	3	32	2	37	0	1	1	2	1	2	9	12	84	336		0	2	1	4	50	219
n/a																									
n/a																									
n/a																									
n/a																									
Total	65	283	30	**378**	19	394	20	**433**	19	15	18	**52**	14	7	92	**113**	976			12	12	24	24		597
Avg Hr	22	94	10	**126**	6	131	7	**144**	6	5	6	**17**	5	2	31	**38**	325			4	4	8	8		

Peak hour of the intersection

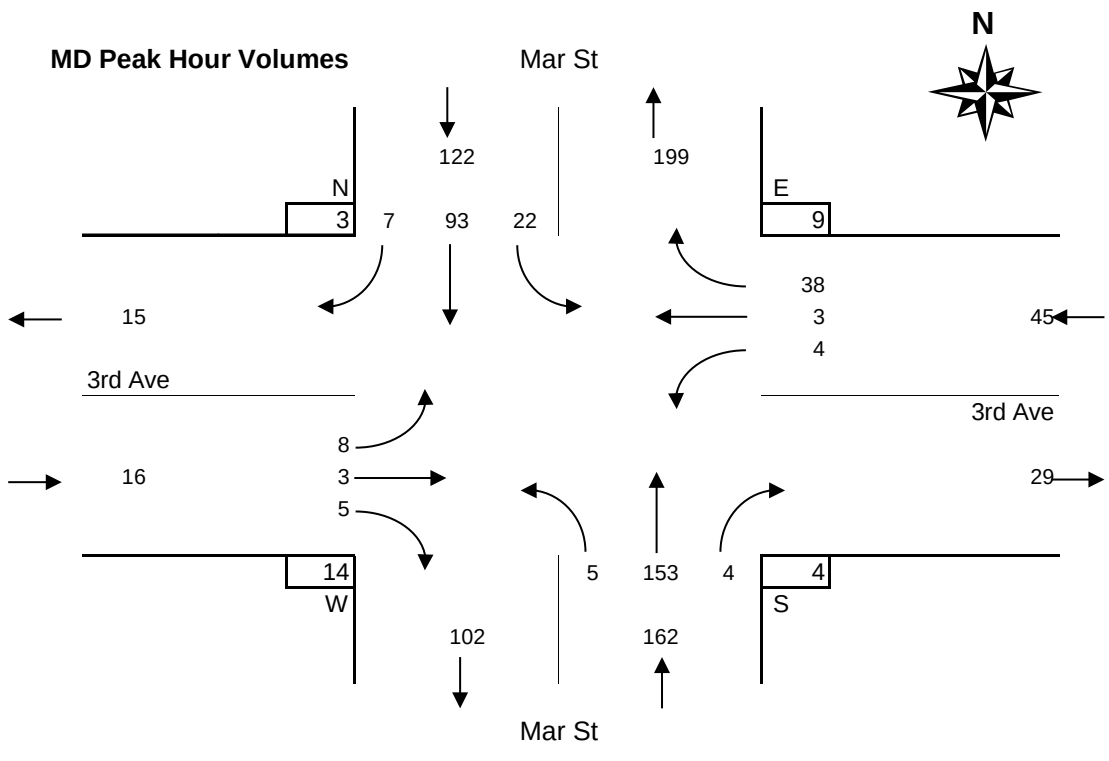
Pk Hr	22	93	7	122	5	153	4	162	8	3	5	16	4	3	38	45	345	*		3	4	14	9		228
15x4	24	112	16	136	12	188	8	200	12	4	16	24	8	8	48	60	372	+		8	8	28	32		288
PHF	0.92	0.83	0.44	**0.90**	0.42	0.81	0.50	**0.81**	0.67	0.75	0.31	**0.67**	0.50	0.38	0.79	**0.75**	0.93			0.38	0.50	0.50	0.28		0.79

Peak hour of conflicting volumes for the intersection

Pk Hr	22	93	7	122	5	153	4	162	8	3	5	16	4	3	38	45	345	*		3	4	14	9		228
15x4	24	112	16	136	12	188	8	200	12	4	16	24	8	8	48	60	372	+		8	8	28	32		288
PHF	0.92	0.83	0.44	**0.90**	0.42	0.81	0.50	**0.81**	0.67	0.75	0.31	**0.67**	0.50	0.38	0.79	**0.75**	0.93			0.38	0.50	0.50	0.28		0.79

** Calculated peak hour occurs during the first or last hour of shift and therefore may be invalid. **

MD Peak Hour Volumes



PM Peak Period
Regular Vehicles

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

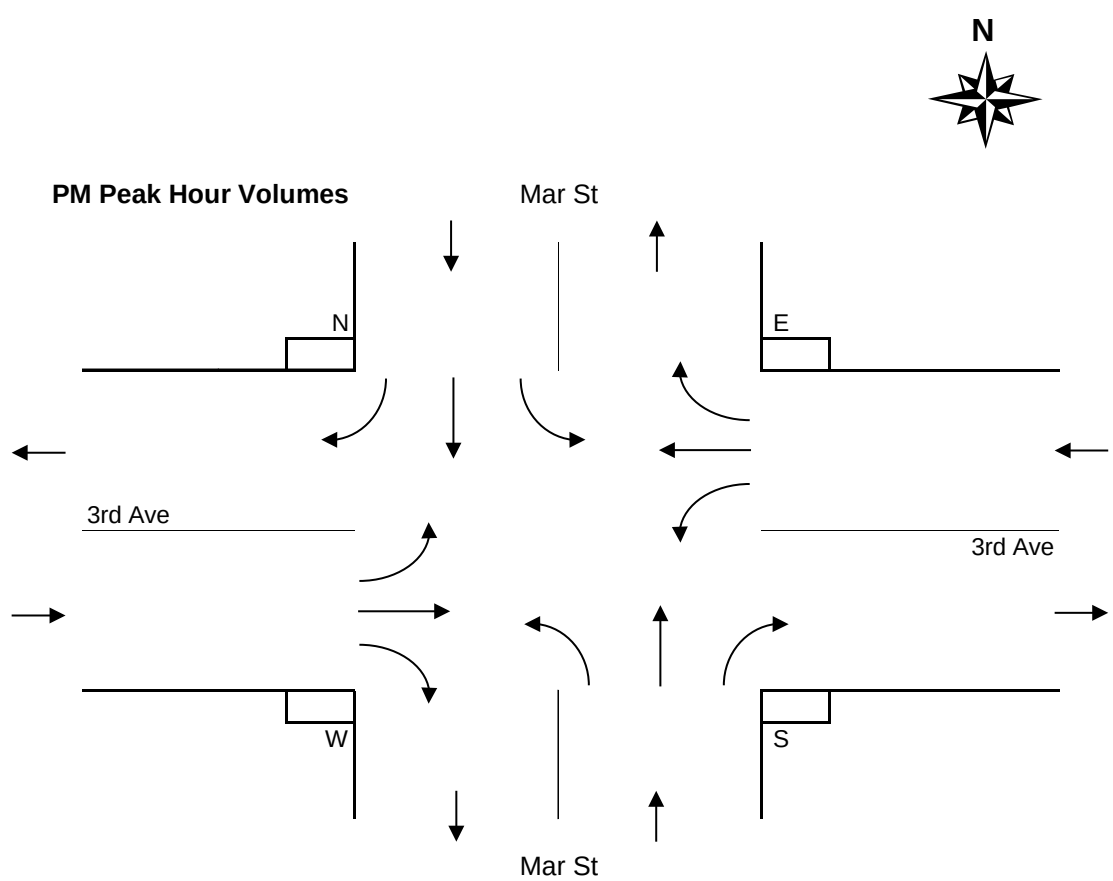
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak	Crosswalks				Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
Total																									0
Avg Hr																									

Peak hour of the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a

Peak hour of conflicting volumes for the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a



Period Hourly Averages
Regular Vehicles

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Entire Survey Period
8 Hours

	Mar St				Mar St				3rd Ave				3rd Ave				Total	Crosswalks			
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Volume				
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total		N	S	W	E
Total	133	626	62	**821**	39	876	39	**954**	45	25	33	**103**	25	17	199	**241**	2119	23	20	40	51
Avg Hr	17	78	8	**103**	5	110	5	**119**	6	3	4	**13**	3	2	25	**30**	265	3	3	5	6

AM Peak Period
5 Hours

	Mar St				Mar St				3rd Ave				3rd Ave				Total	Crosswalks			
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Volume				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total		N	S	W	E
Period	68	343	32	**443**	20	482	19	**521**	26	10	15	**51**	11	10	107	**128**	1143	11	8	16	27
Avg Hr	14	69	6	**89**	4	96	4	**104**	5	2	3	**10**	2	2	21	**26**	229	2	2	3	5

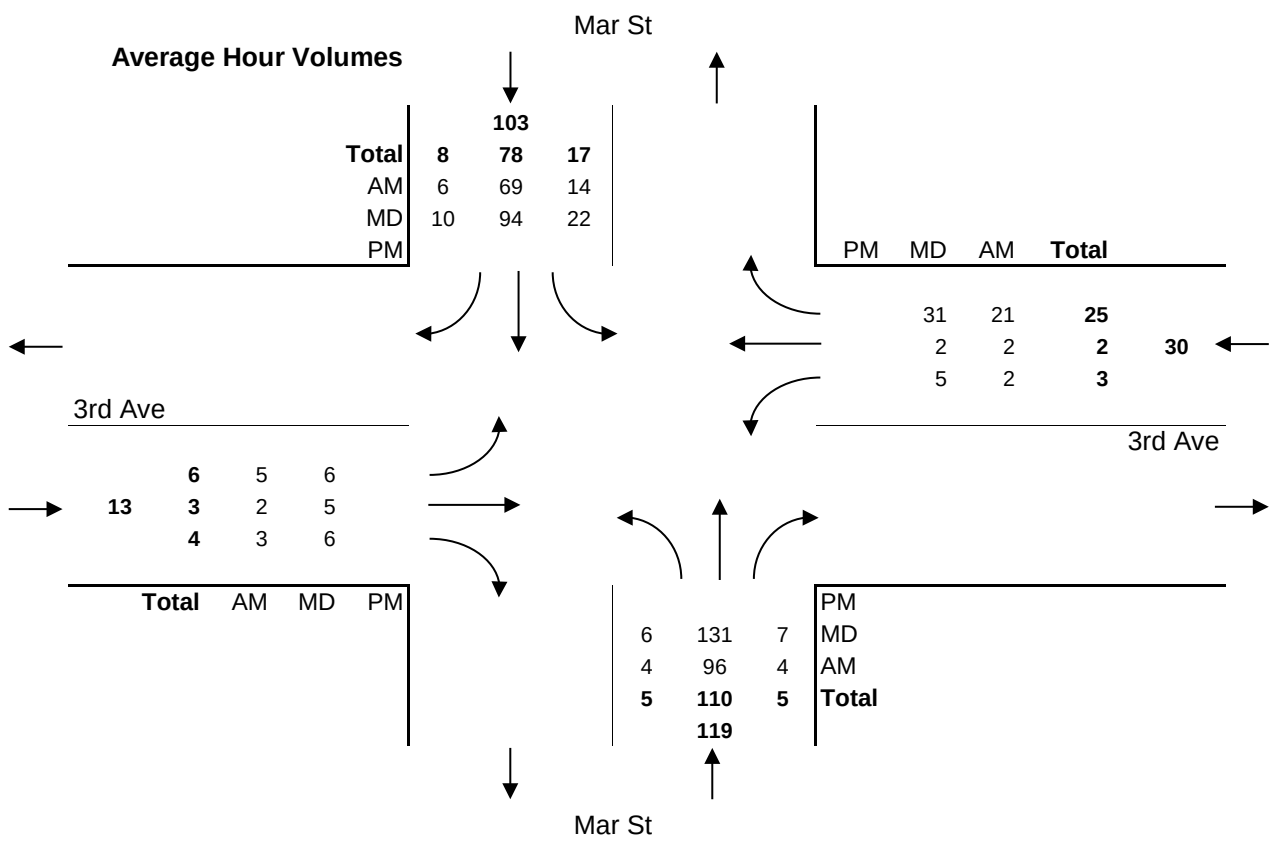
MD Peak Period
3 Hours

	Mar St				Mar St				3rd Ave				3rd Ave				Total	Crosswalks			
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Volume				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total		N	S	W	E
Total	65	283	30	**378**	19	394	20	**433**	19	15	18	**52**	14	7	92	**113**	976	12	12	24	24
Avg Hr	22	94	10	**126**	6	131	7	**144**	6	5	6	**17**	5	2	31	**38**	325	4	4	8	8

PM Peak Period
Hours

	Mar St				Mar St				3rd Ave				3rd Ave				Total	Crosswalks			
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Volume				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total		N	S	W	E
Total																					
Avg Hr																					

Average Hour Volumes



Vehicle Turning Movement Survey
With Classification

Major Route: 3rd Avenue
Minor Route: Mar Street
Municipality: Port Alberni
Filename: 3-3rd Ave @ Mar St-Sep 26, 2017.xlsx
Location #: 3

Date: September 26, 2017
Day-of-week: Tuesday

East/West Route: 3rd Avenue
Intersection Type: 4-leg
Signalized?: No
Weather: Clear and dry

Vehicle Classifications: Regular Vehicles
Buses
Articulated Trucks
Cube Trucks
Dump Trucks
Emergency Trucks
Garbage Trucks
Logging Trucks
RVs
Utility Trucks

This data is for Buses

Shift	Start	End	Duration
AM	7:00	12:00	5.00
MD	12:00	15:00	3.00
PM			
Total	**7:00**		**8.00**

Notes: 24-hour clock used for reporting (15-minute increments)
North Approach - southbound vehicles approaching intersection from the north
15x4 - 15 min volume (from maximum 15 minute period of movement/approach in peak hour period [*]) x 4
Pedestrians - N indicates pedestrians crossing north approach (east/west)

Comments:

Survey Data
Buses

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak				
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E
7:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
7:15	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**			0	0	0	0
7:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
7:45	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	2		0	0	0	0
8:00	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	3		0	0	0	0
8:15	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	4		0	0	0	0
8:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	1	0	**1**	**1**	5		0	0	0	0
8:45	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	5		0	0	0	0
9:00	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	6		0	0	0	0
9:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	4		0	0	0	0
9:30	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	4		0	0	0	0
9:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	3		0	0	0	0
10:00	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	2		0	0	0	0
10:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	2	*	0	0	0	0
10:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1	*	0	0	0	0
10:45	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	2	*	0	0	0	0
11:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1	+	0	0	0	0
11:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1		0	0	0	0
11:30	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	2		0	0	0	0
11:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1		0	0	0	0
Total	0	2	0	**2**	0	10	0	**10**	0	0	0	**0**	0	1	0	**1**	**13**			0	0	0	0
12:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
12:15	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**			0	0	0	0
12:30	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**			0	0	0	0
12:45	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	3		0	0	0	0
13:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	3		0	0	0	0
13:15	1	0	0	**1**	1	0	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	4		0	0	0	0
13:30	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	4		0	0	0	0
13:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	3	+	0	0	0	0
14:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	3	*	0	0	0	0
14:15	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	2	*	0	0	0	0
14:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1	*	0	0	0	0
14:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1		0	0	0	0
n/a																							
n/a																							
n/a																							
n/a																							
Total	1	0	0	**1**	1	5	0	**6**	0	0	0	**0**	0	0	0	**0**	**7**			0	0	0	0
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
Total																							

AM Peak Period
Buses

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

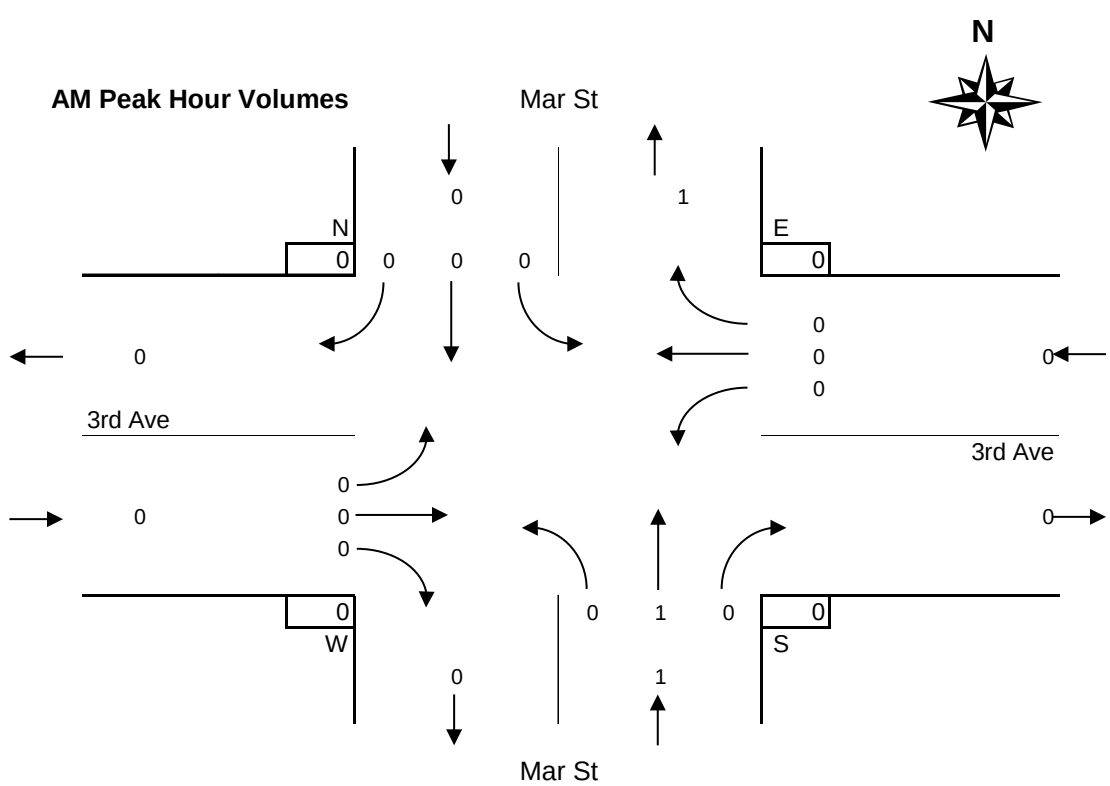
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
7:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
7:15	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1			0	0	0	0	1	
7:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
7:45	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	2		0	0	0	0	1	2
8:00	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	3		0	0	0	0	1	3
8:15	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	4		0	0	0	0	1	3
8:30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	5		0	0	0	0	1	4
8:45	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	5		0	0	0	0	1	4
9:00	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	6		0	0	0	0	1	4
9:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4		0	0	0	0	0	3
9:30	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	4		0	0	0	0	1	3
9:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		0	0	0	0	0	2
10:00	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	2		0	0	0	0	1	2
10:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	*	0	0	0	0	0	2
10:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	0	0	0	0	0	1
10:45	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	2	*	0	0	0	0	1	2
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	+	0	0	0	0	0	1
11:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	1
11:30	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	2		0	0	0	0	1	2
11:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	1
Total	0	2	0	**2**	0	10	0	**10**	0	0	0	**0**	0	1	0	**1**	13			0	0	0	0		11
Avg Hr	0	0	0	**0**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	3			0	0	0	0		

Peak hour of the intersection

Pk Hr	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	*		0	0	0	0		1
15x4	0	0	0	0	0	4	0	4	0	0	0	0	0	0	0	0	4	+		0	0	0	0		4
PHF	n/a	n/a	n/a	**n/a**	n/a	0.25	n/a	**0.25**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.25			n/a	n/a	n/a	n/a		0.25

Peak hour of conflicting volumes for the intersection

Pk Hr	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	*		0	0	0	0		1
15x4	0	0	0	0	0	4	0	4	0	0	0	0	0	0	0	0	4	+		0	0	0	0		4
PHF	n/a	n/a	n/a	**n/a**	n/a	0.25	n/a	**0.25**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.25			n/a	n/a	n/a	n/a		0.25



MD Peak Period
Buses

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
12:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
12:15	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1			0	0	0	0	1	
12:30	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1			0	0	0	0	1	
12:45	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	3		0	0	0	0	1	3
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		0	0	0	0	0	3
13:15	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	2	4		0	0	0	0	1	3
13:30	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	4		0	0	0	0	1	3
13:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	+	0	0	0	0	0	2
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	*	0	0	0	0	0	2
14:15	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	2	*	0	0	0	0	1	2
14:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	0	0	0	0	0	1
14:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	1
n/a																									
n/a																									
n/a																									
n/a																									
Total	1	0	0	**1**	1	5	0	**6**	0	0	0	**0**	0	0	0	**0**	7			0	0	0	0		6
Avg Hr	0	0	0	**0**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	2			0	0	0	0		

Peak hour of the intersection

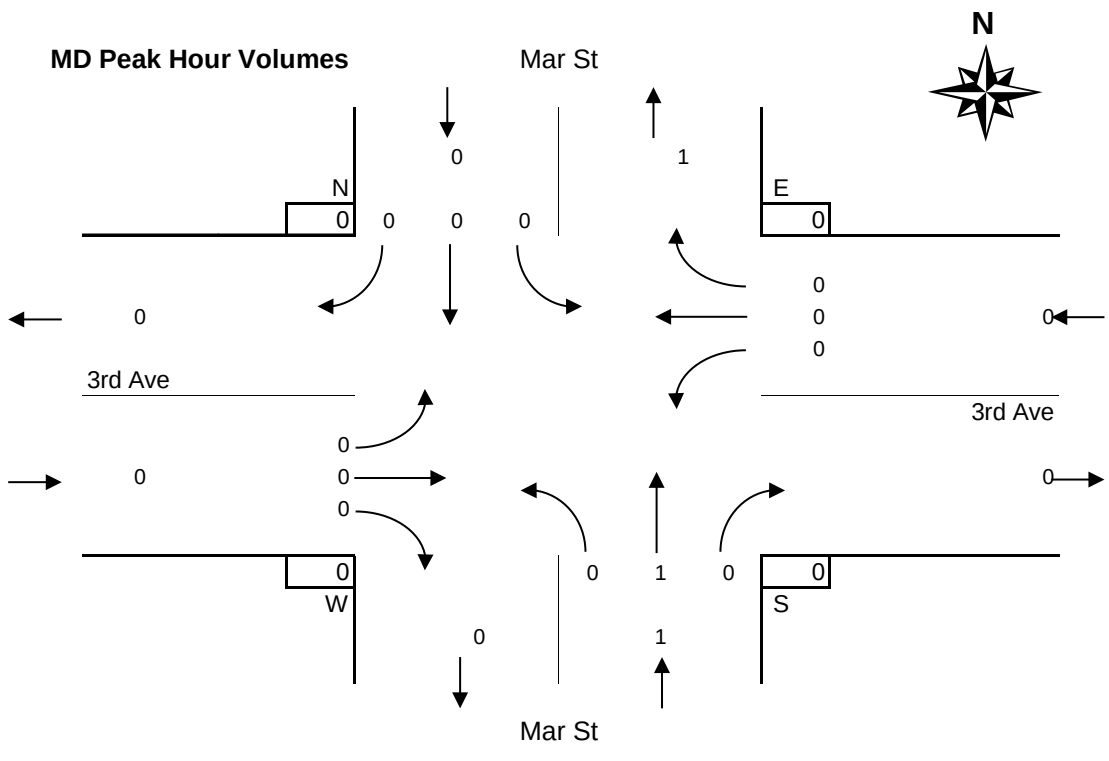
Pk Hr	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	*		0	0	0	0		1
15x4	0	0	0	0	0	4	0	4	0	0	0	0	0	0	0	0	4	+		0	0	0	0		4
PHF	n/a	n/a	n/a	**n/a**	n/a	0.25	n/a	**0.25**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.25			n/a	n/a	n/a	n/a		0.25

Peak hour of conflicting volumes for the intersection

Pk Hr	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	*		0	0	0	0		1
15x4	0	0	0	0	0	4	0	4	0	0	0	0	0	0	0	0	4	+		0	0	0	0		4
PHF	n/a	n/a	n/a	**n/a**	n/a	0.25	n/a	**0.25**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.25			n/a	n/a	n/a	n/a		0.25

** Calculated peak hour occurs during the first or last hour of shift and therefore may be invalid. **

MD Peak Hour Volumes



PM Peak Period
Buses

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

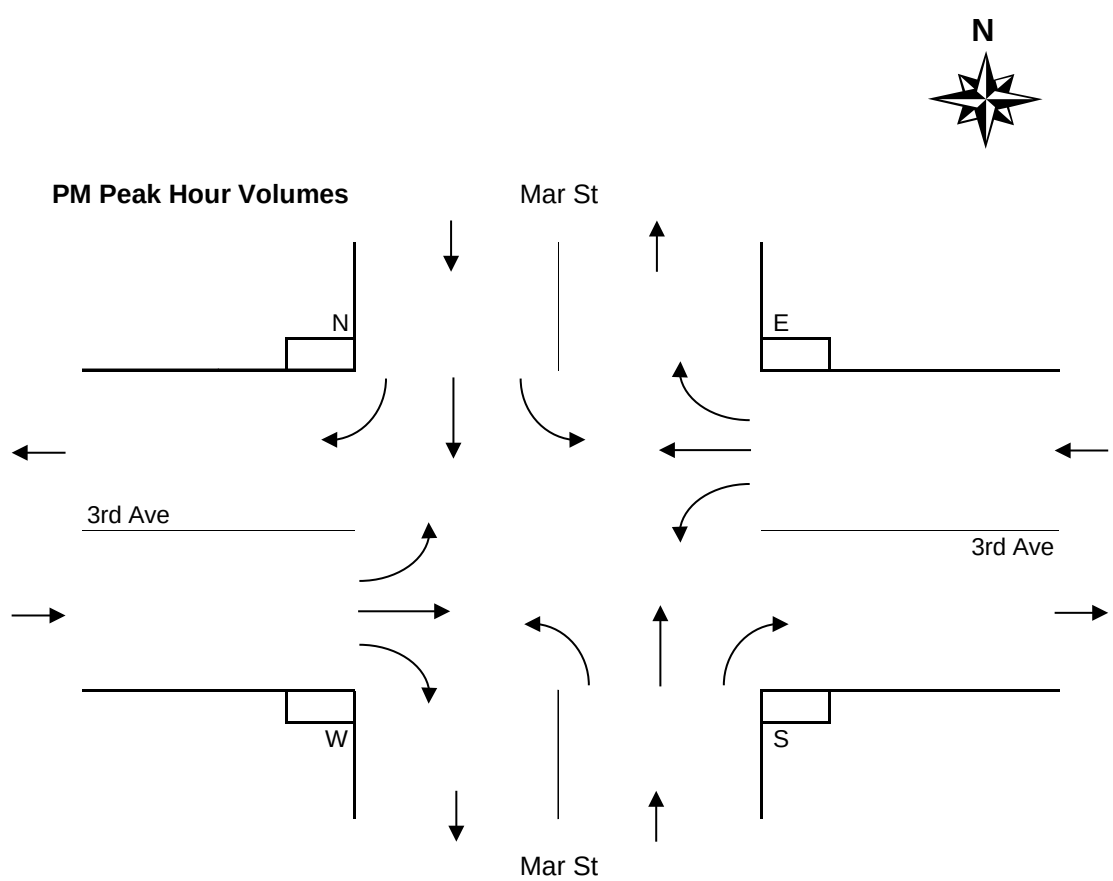
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
Total																									0
Avg Hr																									

Peak hour of the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a

Peak hour of conflicting volumes for the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a



Period Hourly Averages
Buses

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Entire Survey Period
8 Hours

	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Total	1	2	0	**3**	1	15	0	**16**	0	0	0	**0**	0	1	0	**1**	20	0	0	0	0
Avg Hr	0	0	0	**0**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	3	0	0	0	0

AM Peak Period
5 Hours

	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Period	0	2	0	**2**	0	10	0	**10**	0	0	0	**0**	0	1	0	**1**	13	0	0	0	0
Avg Hr	0	0	0	**0**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	3	0	0	0	0

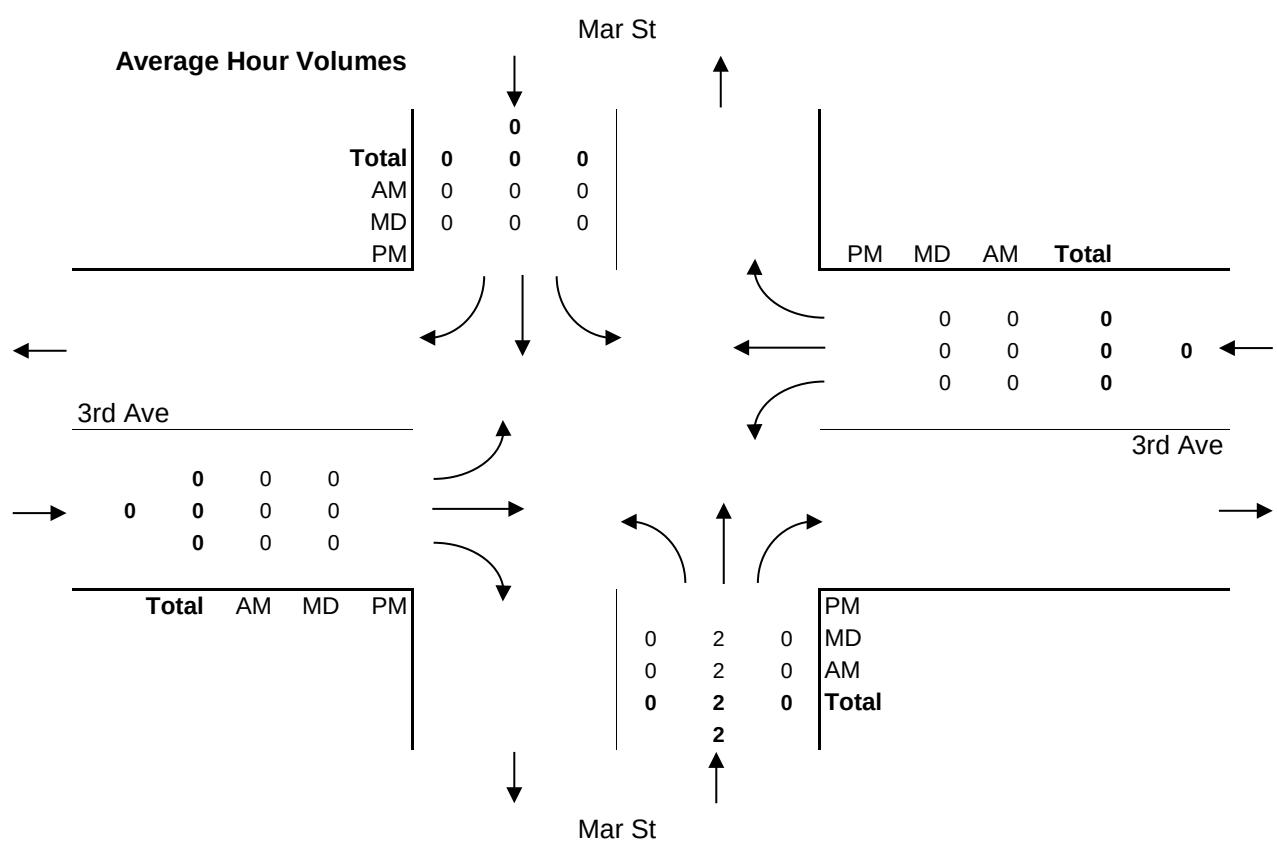
MD Peak Period
3 Hours

	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Total	1	0	0	**1**	1	5	0	**6**	0	0	0	**0**	0	0	0	**0**	7	0	0	0	0
Avg Hr	0	0	0	**0**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	2	0	0	0	0

PM Peak Period
Hours

	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Total																					
Avg Hr																					

Average Hour Volumes



Vehicle Turning Movement Survey
With Classification

Major Route: 3rd Avenue
Minor Route: Mar Street
Municipality: Port Alberni
Filename: 3-3rd Ave @ Mar St-Sep 26, 2017.xlsx
Location #: 3

Date: September 26, 2017
Day-of-week: Tuesday

East/West Route: 3rd Avenue
Intersection Type: 4-leg
Signalized?: No
Weather: Clear and dry

Vehicle Classifications: Regular Vehicles
Buses
Articulated Trucks
Cube Trucks
Dump Trucks
Emergency Trucks
Garbage Trucks
Logging Trucks
RVs
Utility Trucks

This data is for Articulated Trucks

Shift	Start	End	Duration
AM	7:00	12:00	5.00
MD	12:00	15:00	3.00
PM			
Total	**7:00**		**8.00**

Notes: 24-hour clock used for reporting (15-minute increments)
North Approach - southbound vehicles approaching intersection from the north
15x4 - 15 min volume (from maximum 15 minute period of movement/approach in peak hour period [*]) x 4
Pedestrians - N indicates pedestrians crossing north approach (east/west)

Comments:

Survey Data
Articulated Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak				
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E
7:00	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**			0	0	0	0
7:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
7:30	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**			0	0	0	0
7:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	2		0	0	0	0
8:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1		0	0	0	0
8:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1		0	0	0	0
8:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
8:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
9:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
9:15	0	3	0	**3**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**3**	3		0	0	0	0
9:30	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	5		0	0	0	0
9:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	5		0	0	0	0
10:00	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	6		0	0	0	0
10:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	3	*	0	0	0	0
10:30	0	2	0	**2**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**3**	4	*	0	0	0	0
10:45	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	6	*	0	0	0	0
11:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	5	+	0	0	0	0
11:15	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	6		0	0	0	0
11:30	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	4		0	0	0	0
11:45	0	0	0	**0**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	**2**	4		0	0	0	0
Total	0	10	0	**10**	0	7	0	**7**	0	0	0	**0**	0	0	0	**0**	**17**			0	0	0	0
12:00	0	0	0	**0**	0	0	0	**0**	0	0	1	**1**	0	0	0	**0**	**1**			0	0	0	0
12:15	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**			0	0	0	0
12:30	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**			0	0	0	0
12:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	3		0	0	0	0
13:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	2		0	0	0	0
13:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1		0	0	0	0
13:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
13:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0	+	0	0	0	0
14:00	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	1	*	0	0	0	0
14:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1	*	0	0	0	0
14:30	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	3	*	0	0	0	0
14:45	0	0	0	**0**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	**2**	5		0	0	0	0
n/a																							
n/a																							
n/a																							
n/a																							
Total	0	2	0	**2**	0	5	0	**5**	0	0	1	**1**	0	0	0	**0**	**8**			0	0	0	0
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
Total																							

AM Peak Period
Articulated Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

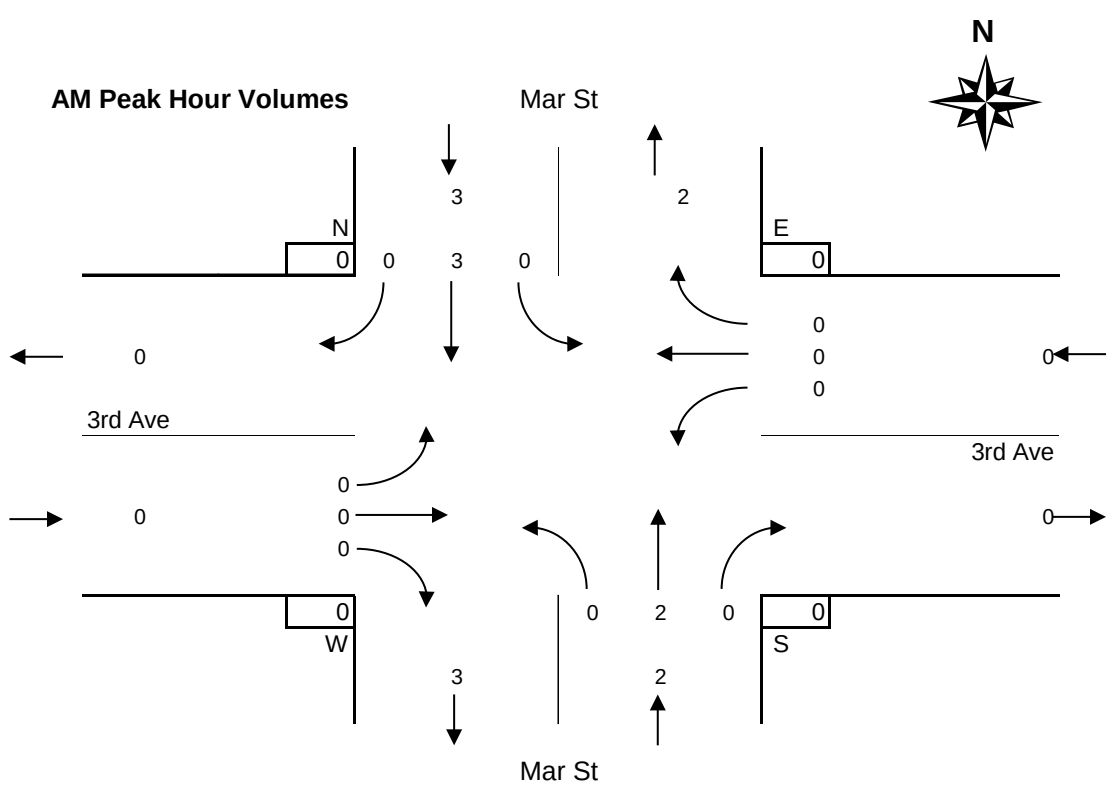
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
7:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1			0	0	0	0	1	
7:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
7:30	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1			0	0	0	0	1	
7:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		0	0	0	0	0	2
8:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	1
8:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	1
8:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
8:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
9:15	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	3		0	0	0	0	3	3
9:30	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	5		0	0	0	0	1	4
9:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5		0	0	0	0	0	4
10:00	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	6		0	0	0	0	1	5
10:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	*	0	0	0	0	0	2
10:30	0	2	0	2	0	1	0	1	0	0	0	0	0	0	0	0	3	4	*	0	0	0	0	2	3
10:45	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	6	*	0	0	0	0	1	4
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	+	0	0	0	0	0	3
11:15	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6		0	0	0	0	1	4
11:30	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	4		0	0	0	0	1	3
11:45	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	2	4		0	0	0	0	2	4
Total	0	10	0	**10**	0	7	0	**7**	0	0	0	**0**	0	0	0	**0**	17			0	0	0	0		10
Avg Hr	0	2	0	**2**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	3			0	0	0	0		

Peak hour of the intersection

Pk Hr	0	3	0	3	0	2	0	2	0	0	0	0	0	0	0	0	5	*		0	0	0	0		3
15x4	0	8	0	8	0	4	0	4	0	0	0	0	0	0	0	0	12	+		0	0	0	0		8
PHF	n/a	0.38	n/a	**0.38**	n/a	0.50	n/a	**0.50**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.42			n/a	n/a	n/a	n/a		0.38

Peak hour of conflicting volumes for the intersection

Pk Hr	0	3	0	3	0	2	0	2	0	0	0	0	0	0	0	0	5	*		0	0	0	0		3
15x4	0	8	0	8	0	4	0	4	0	0	0	0	0	0	0	0	12	+		0	0	0	0		8
PHF	n/a	0.38	n/a	**0.38**	n/a	0.50	n/a	**0.50**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.42			n/a	n/a	n/a	n/a		0.38



MD Peak Period
Articulated Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
12:00	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1			0	0	0	0	1	
12:15	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1			0	0	0	0	1	
12:30	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1			0	0	0	0	1	
12:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		0	0	0	0	0	3
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		0	0	0	0	0	2
13:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	1
13:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
13:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+	0	0	0	0	0	0
14:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	*	0	0	0	0	1	1
14:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	0	0	0	0	0	1
14:30	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	3	*	0	0	0	0	1	2
14:45	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	2	5		0	0	0	0	2	4
n/a																									
n/a																									
n/a																									
n/a																									
Total	0	2	0	**2**	0	5	0	**5**	0	0	1	**1**	0	0	0	**0**	8			0	0	0	0		6
Avg Hr	0	1	0	**1**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	3			0	0	0	0		

Peak hour of the intersection

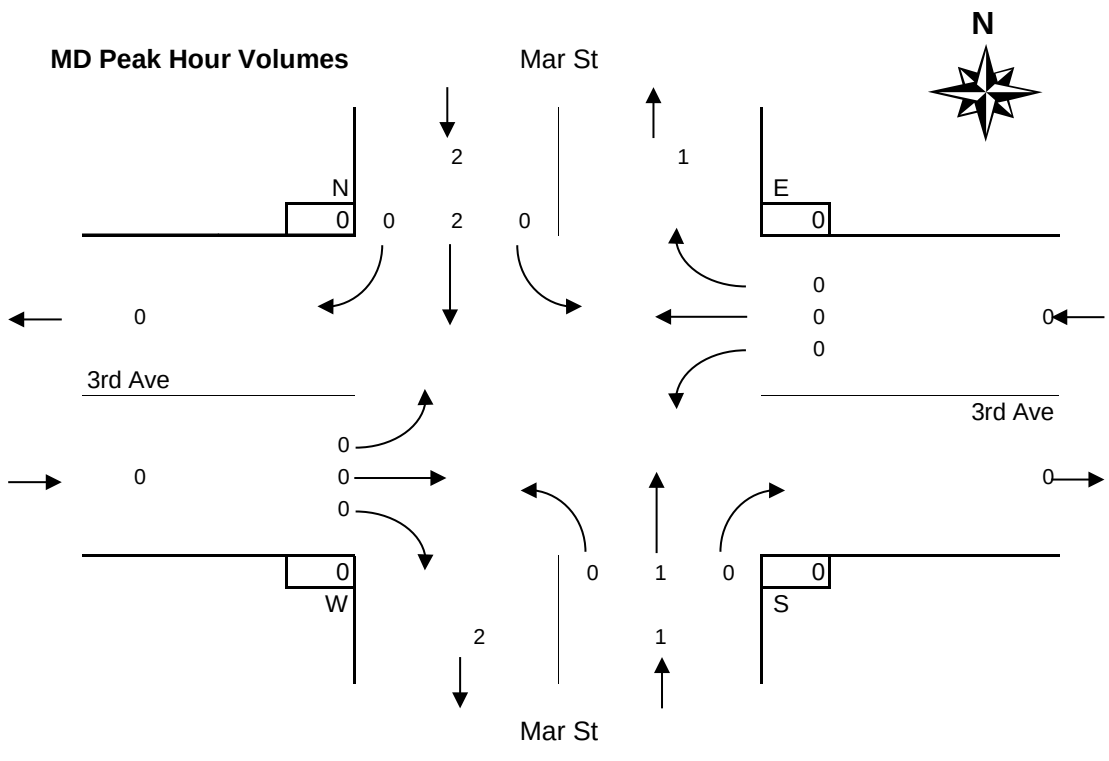
Pk Hr	0	2	0	2	0	1	0	1	0	0	0	0	0	0	0	0	3	*		0	0	0	0		2
15x4	0	4	0	4	0	4	0	4	0	0	0	0	0	0	0	0	8	+		0	0	0	0		4
PHF	n/a	0.50	n/a	**0.50**	n/a	0.25	n/a	**0.25**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.38			n/a	n/a	n/a	n/a		0.50

Peak hour of conflicting volumes for the intersection

Pk Hr	0	2	0	2	0	1	0	1	0	0	0	0	0	0	0	0	3	*		0	0	0	0		2
15x4	0	4	0	4	0	4	0	4	0	0	0	0	0	0	0	0	8	+		0	0	0	0		4
PHF	n/a	0.50	n/a	**0.50**	n/a	0.25	n/a	**0.25**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.38			n/a	n/a	n/a	n/a		0.50

** Calculated peak hour occurs during the first or last hour of shift and therefore may be invalid. **

MD Peak Hour Volumes



PM Peak Period
Articulated Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

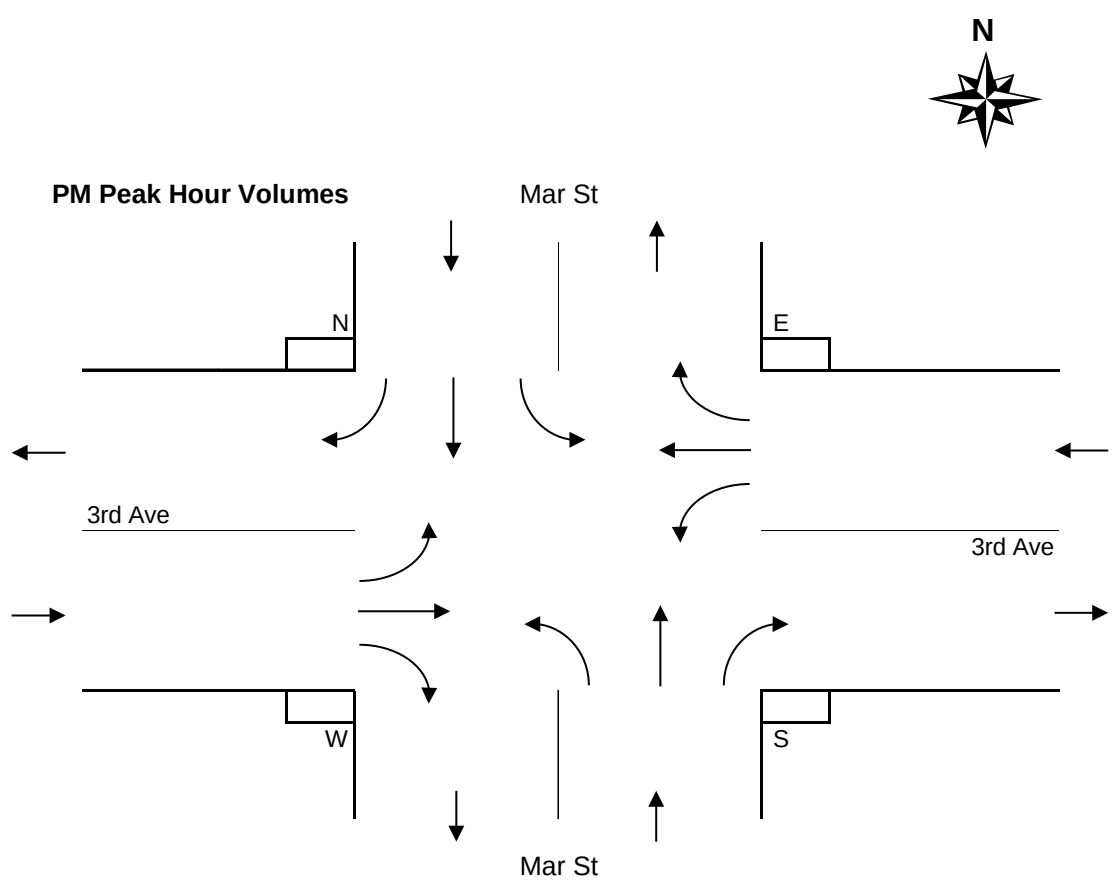
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
Total																									0
Avg Hr																									

Peak hour of the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a

Peak hour of conflicting volumes for the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a



Period Hourly Averages
Articulated Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Entire Survey Period
8 Hours

	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Total	0	12	0	**12**	0	12	0	**12**	0	0	1	**1**	0	0	0	**0**	25	0	0	0	0
Avg Hr	0	2	0	**2**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	3	0	0	0	0

AM Peak Period
5 Hours

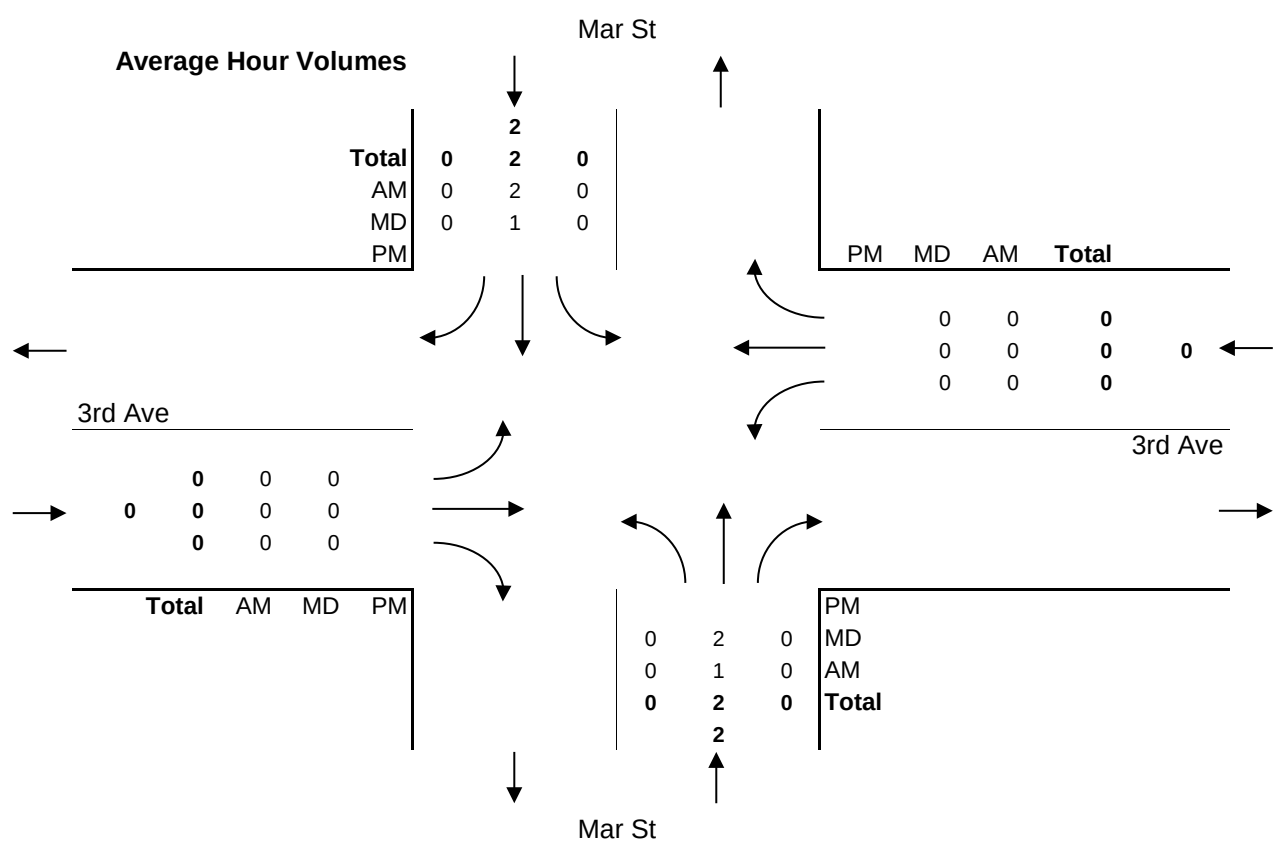
	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Period	0	10	0	**10**	0	7	0	**7**	0	0	0	**0**	0	0	0	**0**	17	0	0	0	0
Avg Hr	0	2	0	**2**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	3	0	0	0	0

MD Peak Period
3 Hours

	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Total	0	2	0	**2**	0	5	0	**5**	0	0	1	**1**	0	0	0	**0**	8	0	0	0	0
Avg Hr	0	1	0	**1**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	3	0	0	0	0

PM Peak Period
Hours

	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Total																					
Avg Hr																					



Vehicle Turning Movement Survey
With Classification

Major Route: 3rd Avenue
Minor Route: Mar Street
Municipality: Port Alberni
Filename: 3-3rd Ave @ Mar St-Sep 26, 2017.xlsx
Location #: 3

Date: September 26, 2017
Day-of-week: Tuesday

East/West Route: 3rd Avenue
Intersection Type: 4-leg
Signalized?: No
Weather: Clear and dry

Vehicle Classifications: Regular Vehicles
Buses
Articulated Trucks
Cube Trucks
Dump Trucks
Emergency Trucks
Garbage Trucks
Logging Trucks
RVs
Utility Trucks

This data is for Cube Trucks

Shift	Start	End	Duration
AM	7:00	12:00	5.00
MD	12:00	15:00	3.00
PM			
Total	**7:00**		**8.00**

Notes: 24-hour clock used for reporting (15-minute increments)
North Approach - southbound vehicles approaching intersection from the north
15x4 - 15 min volume (from maximum 15 minute period of movement/approach in peak hour period [*]) x 4
Pedestrians - N indicates pedestrians crossing north approach (east/west)

Comments:

Survey Data
Cube Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak				
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E
7:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
7:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
7:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
7:45	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	1		0	0	0	0
8:00	0	0	0	**0**	0	0	0	**0**	1	0	0	**1**	0	0	0	**0**	**1**	2		0	0	0	0
8:15	1	1	0	**2**	0	0	0	**0**	0	0	0	**0**	1	0	0	**1**	**3**	5		0	0	0	0
8:30	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	6		0	0	0	0
8:45	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	6		0	0	0	0
9:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	5		0	0	0	0
9:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	2		0	0	0	0
9:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1		0	0	0	0
9:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	1	**1**	**1**	1		0	0	0	0
10:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1		0	0	0	0
10:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1	*	0	0	0	0
10:30	0	1	0	**1**	1	1	0	**2**	0	0	0	**0**	0	0	0	**0**	**3**	4	*	0	0	0	0
10:45	1	0	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	4	*	0	0	0	0
11:00	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	6	+	0	0	0	0
11:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	6		0	0	0	0
11:30	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	4		0	0	0	0
11:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	3		0	0	0	0
Total	2	6	0	**8**	1	3	0	**4**	1	0	0	**1**	1	0	1	**2**	**15**			0	0	0	0
12:00	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**			0	0	0	0
12:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
12:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
12:45	0	0	0	**0**	1	0	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	2		0	0	0	0
13:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1		0	0	0	0
13:15	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	2		0	0	0	0
13:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	1	**1**	**1**	3		0	0	0	0
13:45	0	0	0	**0**	0	0	1	**1**	0	0	0	**0**	0	0	0	**0**	**1**	3	+	0	0	0	0
14:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	3	*	0	0	0	0
14:15	0	1	0	**1**	0	0	0	**0**	1	0	0	**1**	0	0	0	**0**	**2**	4	*	0	0	0	0
14:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	3	*	0	0	0	0
14:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	2		0	0	0	0
n/a																							
n/a																							
n/a																							
n/a																							
Total	0	3	0	**3**	1	0	1	**2**	1	0	0	**1**	0	0	1	**1**	**7**			0	0	0	0
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
Total																							

AM Peak Period
Cube Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

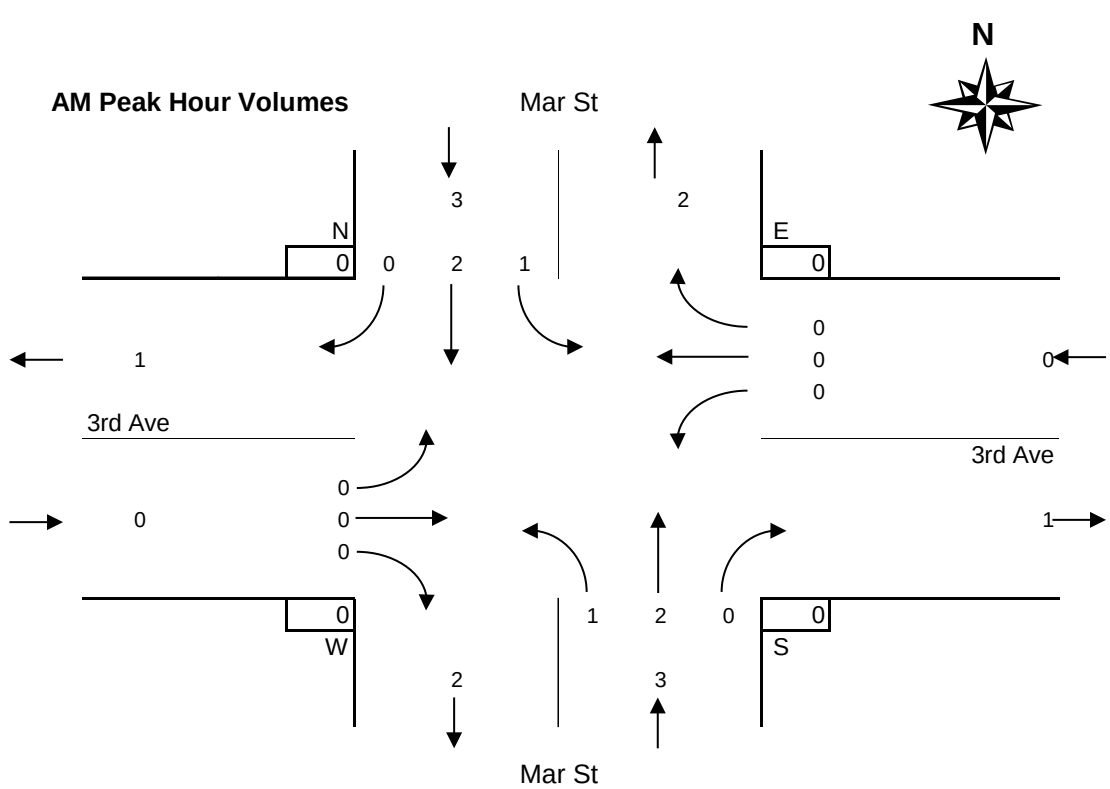
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
7:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
7:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
7:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
7:45	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1		0	0	0	0	1	1
8:00	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	2		0	0	0	0	1	2
8:15	1	1	0	2	0	0	0	0	0	0	0	0	1	0	0	1	3	5		0	0	0	0	2	4
8:30	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6		0	0	0	0	1	5
8:45	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6		0	0	0	0	1	5
9:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5		0	0	0	0	0	4
9:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		0	0	0	0	0	2
9:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	1
9:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1		0	0	0	0	1	1
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	1
10:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	0	0	0	0	0	1
10:30	0	1	0	1	1	1	0	2	0	0	0	0	0	0	0	0	3	4	*	0	0	0	0	2	3
10:45	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	*	0	0	0	0	1	3
11:00	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	6	+	0	0	0	0	1	4
11:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6		0	0	0	0	0	4
11:30	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	4		0	0	0	0	1	3
11:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		0	0	0	0	0	2
Total	2	6	0	**8**	1	3	0	**4**	1	0	0	**1**	1	0	1	**2**	15			0	0	0	0		9
Avg Hr	0	1	0	**2**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	3			0	0	0	0		

Peak hour of the intersection

Pk Hr	1	2	0	3	1	2	0	3	0	0	0	0	0	0	0	0	6	*		0	0	0	0		3
15x4	4	4	0	4	4	4	0	8	0	0	0	0	0	0	0	0	12	+		0	0	0	0		8
PHF	0.25	0.50	n/a	**0.75**	0.25	0.50	n/a	**0.38**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.50			n/a	n/a	n/a	n/a		0.38

Peak hour of conflicting volumes for the intersection

Pk Hr	1	2	0	3	1	2	0	3	0	0	0	0	0	0	0	0	6	*		0	0	0	0		3
15x4	4	4	0	4	4	4	0	8	0	0	0	0	0	0	0	0	12	+		0	0	0	0		8
PHF	0.25	0.50	n/a	**0.75**	0.25	0.50	n/a	**0.38**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.50			n/a	n/a	n/a	n/a		0.38



MD Peak Period
Cube Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
12:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1			0	0	0	0	1	
12:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
12:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
12:45	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	2		0	0	0	0	1	2
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	1
13:15	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2		0	0	0	0	1	2
13:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3		0	0	0	0	1	3
13:45	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	3	+	0	0	0	0	1	3
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	*	0	0	0	0	0	3
14:15	0	1	0	1	0	0	0	0	1	0	0	1	0	0	0	0	2	4	*	0	0	0	0	2	4
14:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	*	0	0	0	0	0	3
14:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		0	0	0	0	0	2
n/a																									
n/a																									
n/a																									
n/a																									
Total	0	3	0	**3**	1	0	1	**2**	1	0	0	**1**	0	0	1	**1**	7			0	0	0	0		6
Avg Hr	0	1	0	**1**	0	0	0	**1**	0	0	0	**0**	0	0	0	**0**	2			0	0	0	0		

Peak hour of the intersection

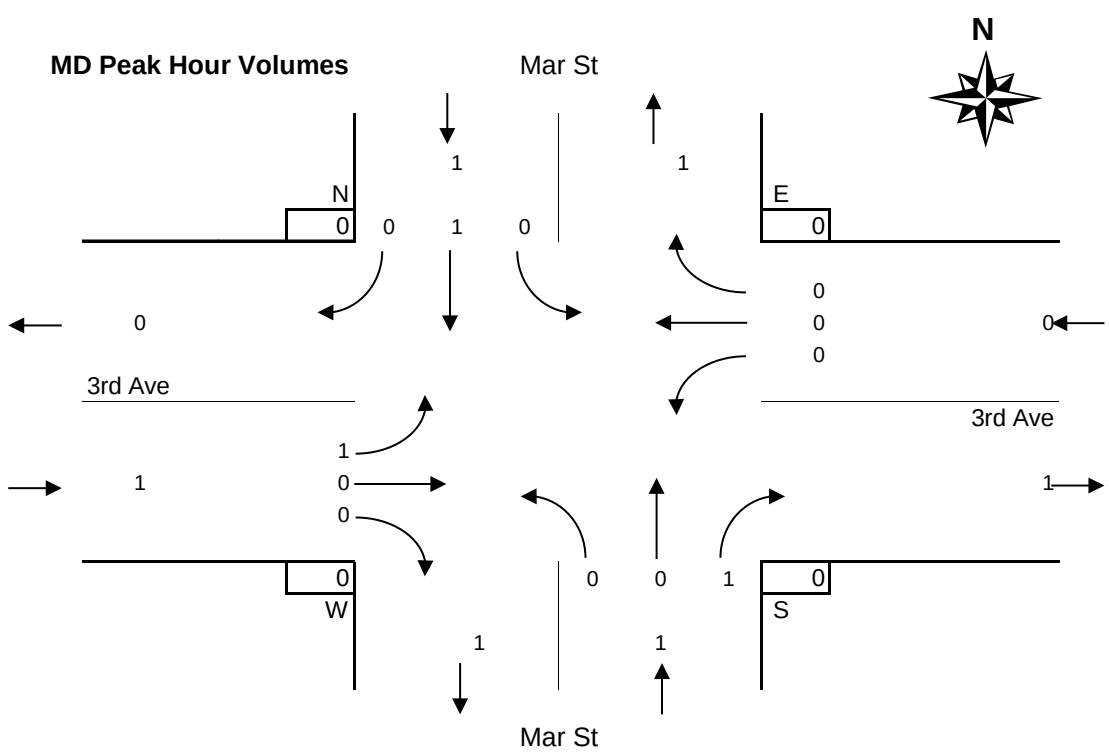
Pk Hr	0	1	0	1	0	0	1	1	1	0	0	1	0	0	0	0	3	*		0	0	0	0		2
15x4	0	4	0	4	0	0	4	4	4	0	0	4	0	0	0	0	8	+		0	0	0	0		8
PHF	n/a	0.25	n/a	**0.25**	n/a	n/a	0.25	**0.25**	0.25	n/a	n/a	**0.25**	n/a	n/a	n/a	**n/a**	0.38			n/a	n/a	n/a	n/a		0.25

Peak hour of conflicting volumes for the intersection

Pk Hr	0	1	0	1	0	0	1	1	1	0	0	1	0	0	0	0	3	*		0	0	0	0		2
15x4	0	4	0	4	0	0	4	4	4	0	0	4	0	0	0	0	8	+		0	0	0	0		8
PHF	n/a	0.25	n/a	**0.25**	n/a	n/a	0.25	**0.25**	0.25	n/a	n/a	**0.25**	n/a	n/a	n/a	**n/a**	0.38			n/a	n/a	n/a	n/a		0.25

** Calculated peak hour occurs during the first or last hour of shift and therefore may be invalid. **

MD Peak Hour Volumes



PM Peak Period
Cube Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

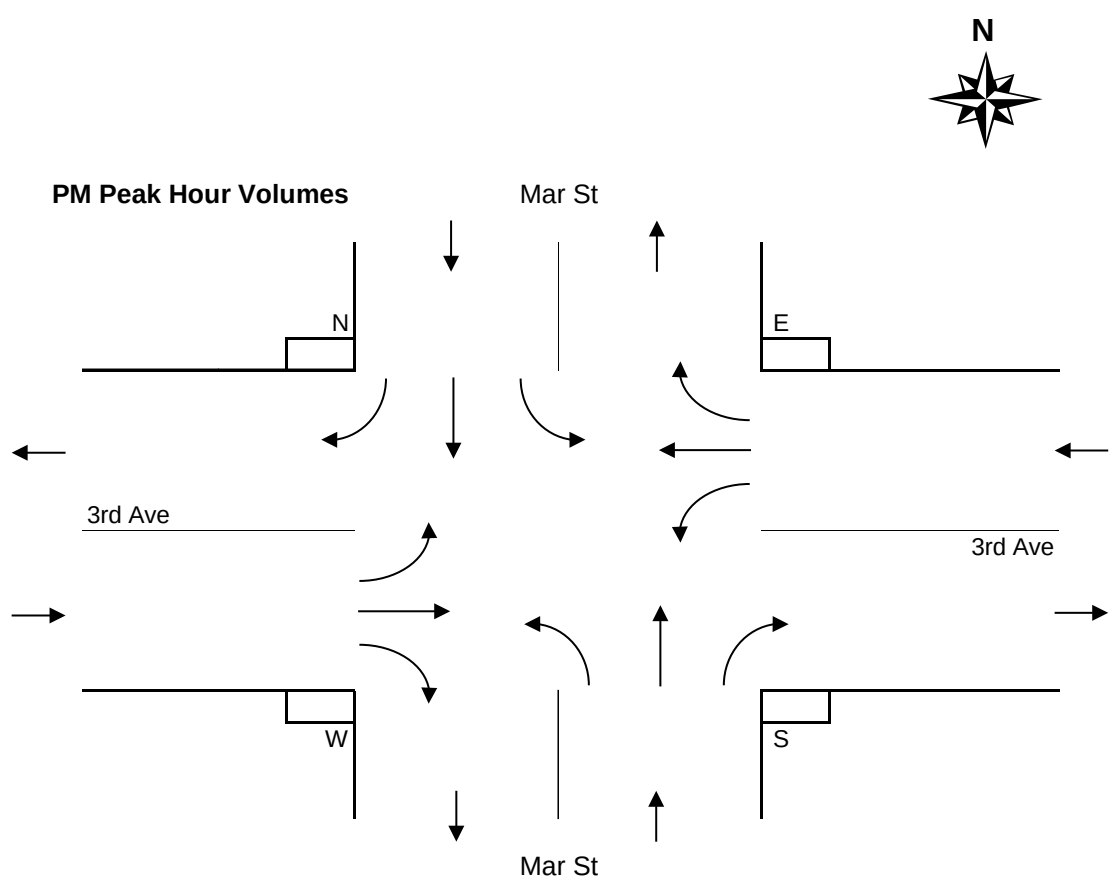
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
Total																									0
Avg Hr																									

Peak hour of the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a

Peak hour of conflicting volumes for the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a



Period Hourly Averages
Cube Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Entire Survey Period
8 Hours

	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Total	2	9	0	**11**	2	3	1	**6**	2	0	0	**2**	1	0	2	**3**	22	0	0	0	0
Avg Hr	0	1	0	**1**	0	0	0	**1**	0	0	0	**0**	0	0	0	**0**	3	0	0	0	0

AM Peak Period
5 Hours

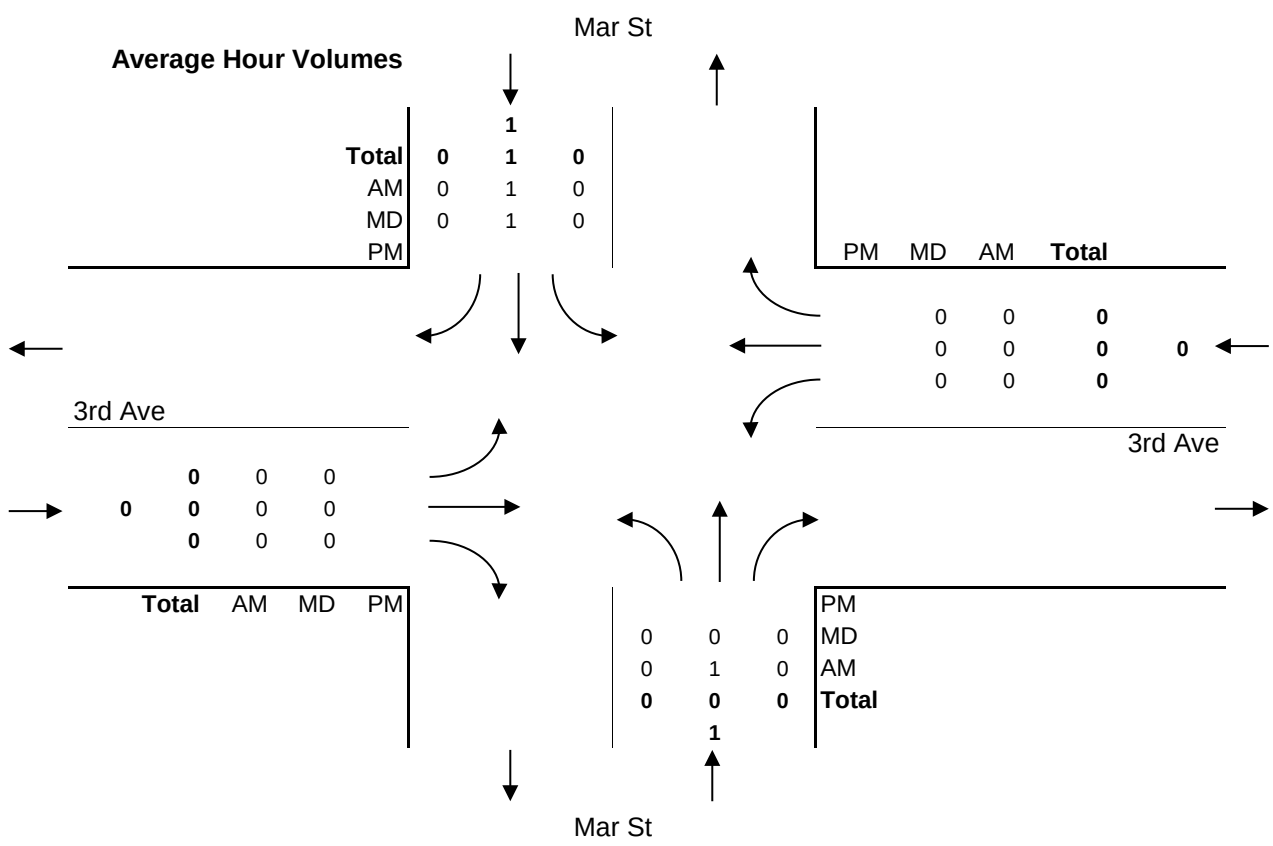
	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Period	2	6	0	**8**	1	3	0	**4**	1	0	0	**1**	1	0	1	**2**	15	0	0	0	0
Avg Hr	0	1	0	**2**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	3	0	0	0	0

MD Peak Period
3 Hours

	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Total	0	3	0	**3**	1	0	1	**2**	1	0	0	**1**	0	0	1	**1**	7	0	0	0	0
Avg Hr	0	1	0	**1**	0	0	0	**1**	0	0	0	**0**	0	0	0	**0**	2	0	0	0	0

PM Peak Period
Hours

	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Total																					
Avg Hr																					



Vehicle Turning Movement Survey
With Classification

Major Route: 3rd Avenue
Minor Route: Mar Street
Municipality: Port Alberni
Filename: 3-3rd Ave @ Mar St-Sep 26, 2017.xlsx
Location #: 3

Date: September 26, 2017
Day-of-week: Tuesday

East/West Route: 3rd Avenue
Intersection Type: 4-leg
Signalized?: No
Weather: Clear and dry

Vehicle Classifications: Regular Vehicles
Buses
Articulated Trucks
Cube Trucks
Dump Trucks
Emergency Trucks
Garbage Trucks
Logging Trucks
RVs
Utility Trucks

This data is for Dump Trucks

Shift	Start	End	Duration
AM	7:00	12:00	5.00
MD	12:00	15:00	3.00
PM			
Total	**7:00**		**8.00**

Notes: 24-hour clock used for reporting (15-minute increments)
North Approach - southbound vehicles approaching intersection from the north
15x4 - 15 min volume (from maximum 15 minute period of movement/approach in peak hour period [*]) x 4
Pedestrians - N indicates pedestrians crossing north approach (east/west)

Comments:

Survey Data
Dump Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak				
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E
7:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
7:15	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**			0	0	0	0
7:30	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**			0	0	0	0
7:45	0	0	0	**0**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	**2**	4		0	0	0	0
8:00	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	5		0	0	0	0
8:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	4		0	0	0	0
8:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	3		0	0	0	0
8:45	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**2**	3		0	0	0	0
9:00	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	3		0	0	0	0
9:15	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	5		0	0	0	0
9:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	5		0	0	0	0
9:45	0	0	0	**0**	1	1	0	**2**	0	0	0	**0**	0	0	0	**0**	**2**	5		0	0	0	0
10:00	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	5		0	0	0	0
10:15	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	4	*	0	0	0	0
10:30	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	5	*	0	0	0	0
10:45	0	0	0	**0**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	**2**	5	*	0	0	0	0
11:00	0	3	0	**3**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**3**	7	+	0	0	0	0
11:15	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	7		0	0	0	0
11:30	0	1	0	**1**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	**3**	9		0	0	0	0
11:45	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	9		0	0	0	0
Total	0	12	0	**12**	1	13	0	**14**	0	0	0	**0**	0	0	0	**0**	**26**			0	0	0	0
12:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
12:15	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**			0	0	0	0
12:30	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**			0	0	0	0
12:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	2		0	0	0	0
13:00	0	0	0	**0**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	**2**	4		0	0	0	0
13:15	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	4		0	0	0	0
13:30	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	4		0	0	0	0
13:45	0	1	0	**1**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	**3**	7	+	0	0	0	0
14:00	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	6	*	0	0	0	0
14:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	5	*	0	0	0	0
14:30	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	5	*	0	0	0	0
14:45	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	3		0	0	0	0
n/a																							
n/a																							
n/a																							
n/a																							
Total	0	6	0	**6**	0	6	0	**6**	0	0	0	**0**	0	0	0	**0**	**12**			0	0	0	0
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
Total																							

AM Peak Period
Dump Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

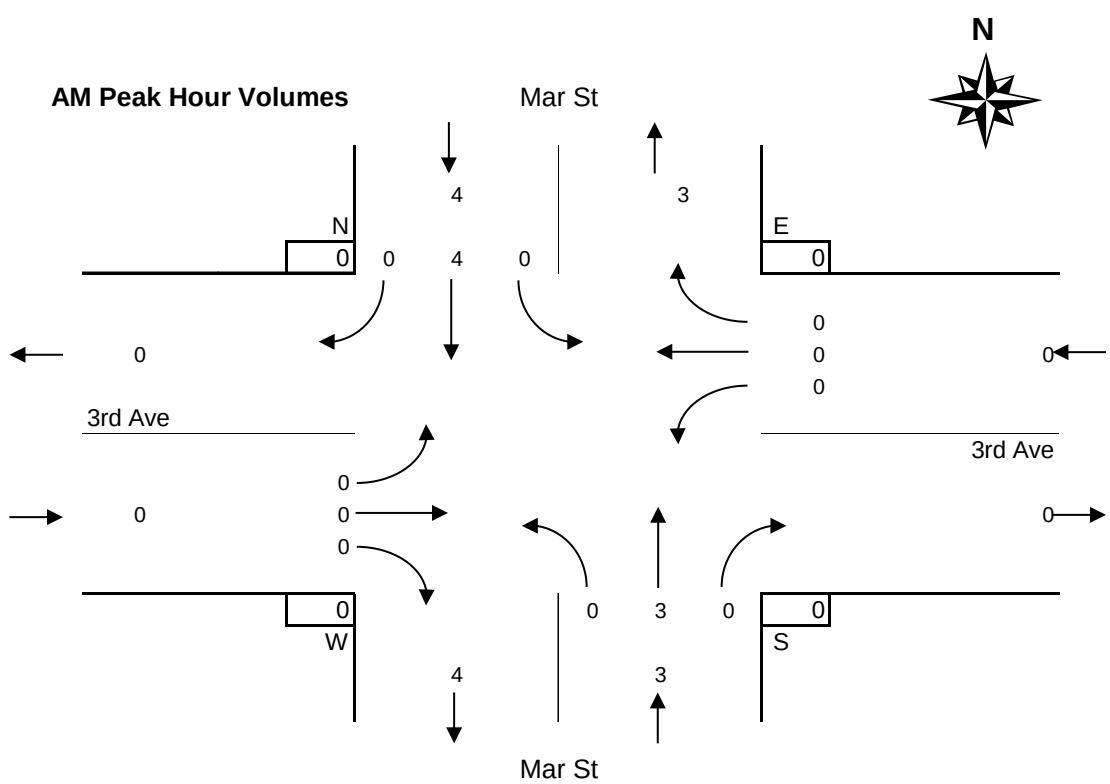
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
7:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
7:15	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1			0	0	0	0	1	
7:30	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1			0	0	0	0	1	
7:45	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	2	4		0	0	0	0	2	4
8:00	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	5		0	0	0	0	1	5
8:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4		0	0	0	0	0	4
8:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		0	0	0	0	0	3
8:45	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	3		0	0	0	0	2	3
9:00	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	3		0	0	0	0	1	3
9:15	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	5		0	0	0	0	1	4
9:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5		0	0	0	0	0	4
9:45	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	2	5		0	0	0	0	1	3
10:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5		0	0	0	0	1	3
10:15	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	*	0	0	0	0	1	3
10:30	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	5	*	0	0	0	0	1	4
10:45	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	2	5	*	0	0	0	0	2	5
11:00	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	7	+	0	0	0	0	3	7
11:15	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	7		0	0	0	0	1	7
11:30	0	1	0	1	0	2	0	2	0	0	0	0	0	0	0	0	3	9		0	0	0	0	2	8
11:45	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	9		0	0	0	0	1	7
Total	0	12	0	**12**	1	13	0	**14**	0	0	0	**0**	0	0	0	**0**	26			0	0	0	0		13
Avg Hr	0	2	0	**2**	0	3	0	**3**	0	0	0	**0**	0	0	0	**0**	5			0	0	0	0		

Peak hour of the intersection

Pk Hr	0	4	0	4	0	3	0	3	0	0	0	0	0	0	0	0	7	*		0	0	0	0		4
15x4	0	12	0	12	0	8	0	8	0	0	0	0	0	0	0	0	12	+		0	0	0	0		12
PHF	n/a	0.33	n/a	**0.33**	n/a	0.38	n/a	**0.38**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.58			n/a	n/a	n/a	n/a		0.33

Peak hour of conflicting volumes for the intersection

Pk Hr	0	4	0	4	0	3	0	3	0	0	0	0	0	0	0	0	7	*		0	0	0	0		4
15x4	0	12	0	12	0	8	0	8	0	0	0	0	0	0	0	0	12	+		0	0	0	0		12
PHF	n/a	0.33	n/a	**0.33**	n/a	0.38	n/a	**0.38**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.58			n/a	n/a	n/a	n/a		0.33



MD Peak Period
Dump Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
12:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
12:15	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1			0	0	0	0	1	
12:30	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1			0	0	0	0	1	
12:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		0	0	0	0	0	2
13:00	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	2	4		0	0	0	0	2	4
13:15	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	4		0	0	0	0	1	4
13:30	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	4		0	0	0	0	1	4
13:45	0	1	0	1	0	2	0	2	0	0	0	0	0	0	0	0	3	7	+	0	0	0	0	2	6
14:00	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	6	*	0	0	0	0	1	5
14:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	*	0	0	0	0	0	4
14:30	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	*	0	0	0	0	1	4
14:45	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	3		0	0	0	0	1	3
n/a																									
n/a																									
n/a																									
n/a																									
Total	0	6	0	**6**	0	6	0	**6**	0	0	0	**0**	0	0	0	**0**	12			0	0	0	0		6
Avg Hr	0	2	0	**2**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	4			0	0	0	0		

Peak hour of the intersection

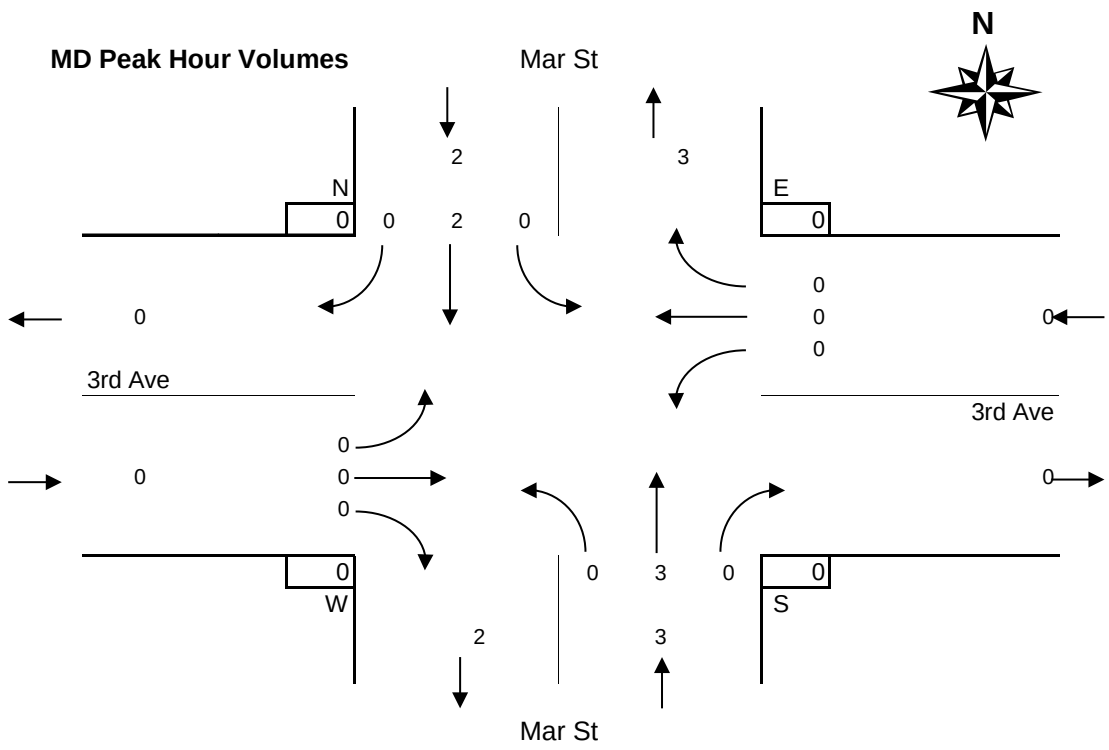
Pk Hr	0	2	0	2	0	3	0	3	0	0	0	0	0	0	0	0	5	*		0	0	0	0		3
15x4	0	4	0	4	0	8	0	8	0	0	0	0	0	0	0	0	12	+		0	0	0	0		8
PHF	n/a	0.50	n/a	**0.50**	n/a	0.38	n/a	**0.38**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.42			n/a	n/a	n/a	n/a		0.38

Peak hour of conflicting volumes for the intersection

Pk Hr	0	2	0	2	0	3	0	3	0	0	0	0	0	0	0	0	5	*		0	0	0	0		3
15x4	0	4	0	4	0	8	0	8	0	0	0	0	0	0	0	0	12	+		0	0	0	0		8
PHF	n/a	0.50	n/a	**0.50**	n/a	0.38	n/a	**0.38**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.42			n/a	n/a	n/a	n/a		0.38

** Calculated peak hour occurs during the first or last hour of shift and therefore may be invalid. **

MD Peak Hour Volumes



PM Peak Period
Dump Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

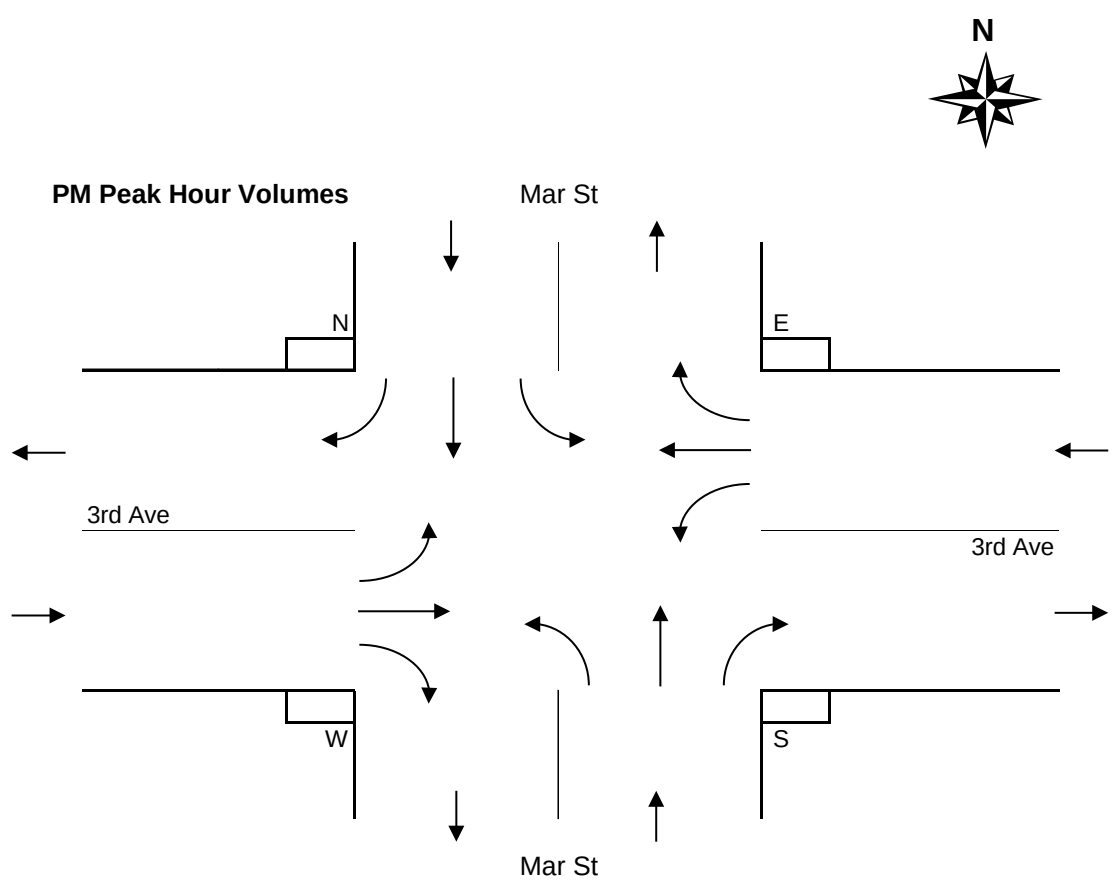
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
Total																									0
Avg Hr																									

Peak hour of the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a

Peak hour of conflicting volumes for the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a



Period Hourly Averages
Dump Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Entire Survey Period
8 Hours

	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume	N	S	W	E
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total					
Total	0	18	0	**18**	1	19	0	**20**	0	0	0	**0**	0	0	0	**0**	38	0	0	0	0
Avg Hr	0	2	0	**2**	0	2	0	**3**	0	0	0	**0**	0	0	0	**0**	5	0	0	0	0

AM Peak Period
5 Hours

	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume	N	S	W	E
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total					
Period	0	12	0	**12**	1	13	0	**14**	0	0	0	**0**	0	0	0	**0**	26	0	0	0	0
Avg Hr	0	2	0	**2**	0	3	0	**3**	0	0	0	**0**	0	0	0	**0**	5	0	0	0	0

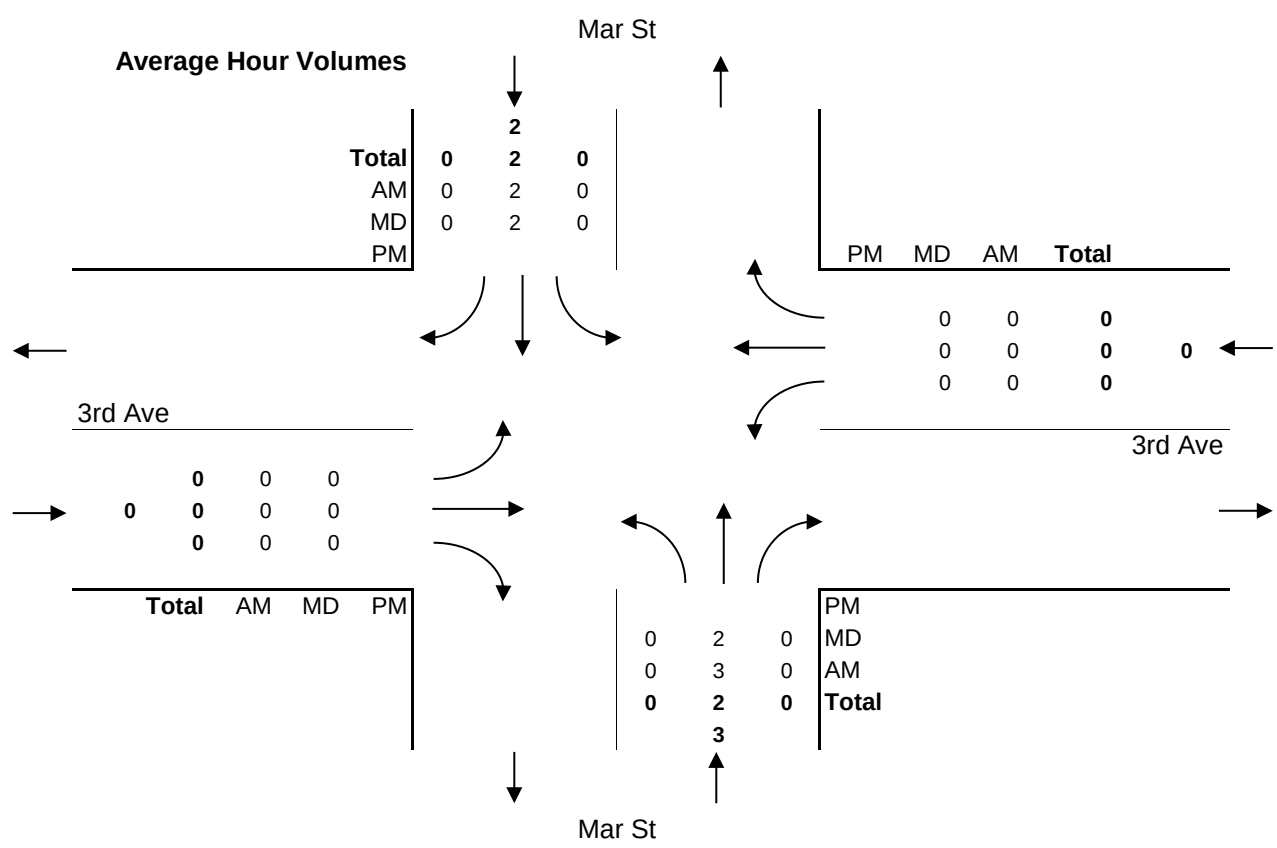
MD Peak Period
3 Hours

	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume	N	S	W	E
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total					
Total	0	6	0	**6**	0	6	0	**6**	0	0	0	**0**	0	0	0	**0**	12	0	0	0	0
Avg Hr	0	2	0	**2**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	4	0	0	0	0

PM Peak Period
Hours

	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume	N	S	W	E
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total					
Total																					
Avg Hr																					

Average Hour Volumes



Vehicle Turning Movement Survey
With Classification

Major Route: 3rd Avenue
Minor Route: Mar Street
Municipality: Port Alberni
Filename: 3-3rd Ave @ Mar St-Sep 26, 2017.xlsx
Location #: 3

Date: September 26, 2017
Day-of-week: Tuesday

East/West Route: 3rd Avenue
Intersection Type: 4-leg
Signalized?: No
Weather: Clear and dry

Vehicle Classifications: Regular Vehicles
Buses
Articulated Trucks
Cube Trucks
Dump Trucks
Emergency Trucks
Garbage Trucks
Logging Trucks
RVs
Utility Trucks

This data is for Emergency Trucks

Shift	Start	End	Duration
AM	7:00	12:00	5.00
MD	12:00	15:00	3.00
PM			
Total	**7:00**		**8.00**

Notes: 24-hour clock used for reporting (15-minute increments)
North Approach - southbound vehicles approaching intersection from the north
15x4 - 15 min volume (from maximum 15 minute period of movement/approach in peak hour period [*]) x 4
Pedestrians - N indicates pedestrians crossing north approach (east/west)

Comments:

Survey Data
Emergency Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak				
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E
7:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
7:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
7:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
7:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
8:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
8:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
8:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
8:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
9:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
9:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
9:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
9:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
10:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
10:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0	*	0	0	0	0
10:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0	*	0	0	0	0
10:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0	*	0	0	0	0
11:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0	+	0	0	0	0
11:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
11:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
11:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
Total	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
12:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
12:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
12:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
12:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
13:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
13:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
13:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
13:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0	+	0	0	0	0
14:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0	*	0	0	0	0
14:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0	*	0	0	0	0
14:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0	*	0	0	0	0
14:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
n/a																							
n/a																							
n/a																							
n/a																							
Total	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
Total																							

AM Peak Period
Emergency Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

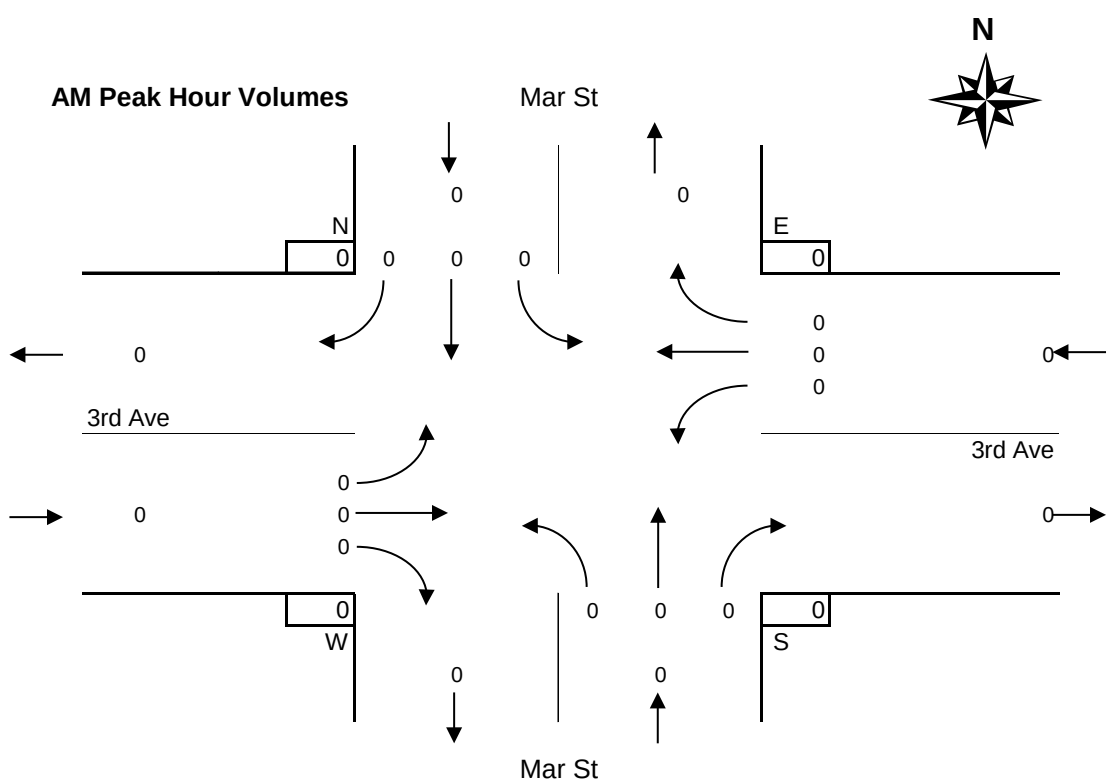
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
7:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
7:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
7:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
7:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
8:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
8:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
8:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
9:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
9:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
9:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Total	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0			0	0	0	0		0
Avg Hr	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0			0	0	0	0		

Peak hour of the intersection

Pk Hr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*		0	0	0	0		0
15x4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+		0	0	0	0		0
PHF	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a			n/a	n/a	n/a	n/a		n/a

Peak hour of conflicting volumes for the intersection

Pk Hr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*		0	0	0	0		0
15x4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+		0	0	0	0		0
PHF	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a			n/a	n/a	n/a	n/a		n/a



MD Peak Period
Emergency Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
12:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
12:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
12:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
12:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
13:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
13:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
13:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+	0	0	0	0	0	0
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
14:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
14:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
14:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
n/a																									
n/a																									
n/a																									
n/a																									
Total	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0			0	0	0	0		0
Avg Hr	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0			0	0	0	0		

Peak hour of the intersection

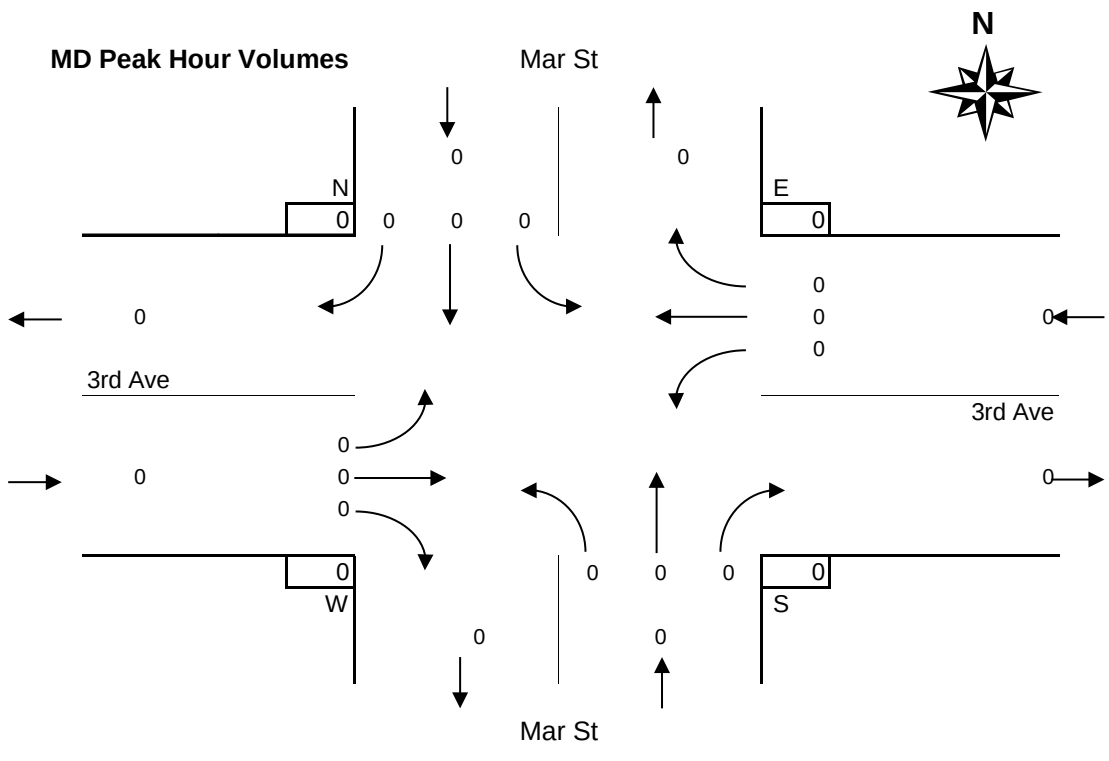
Pk Hr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*		0	0	0	0		0
15x4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+		0	0	0	0		0
PHF	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a			n/a	n/a	n/a	n/a		n/a

Peak hour of conflicting volumes for the intersection

Pk Hr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*		0	0	0	0		0
15x4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+		0	0	0	0		0
PHF	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a			n/a	n/a	n/a	n/a		n/a

** Calculated peak hour occurs during the first or last hour of shift and therefore may be invalid. **

MD Peak Hour Volumes



PM Peak Period
Emergency Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

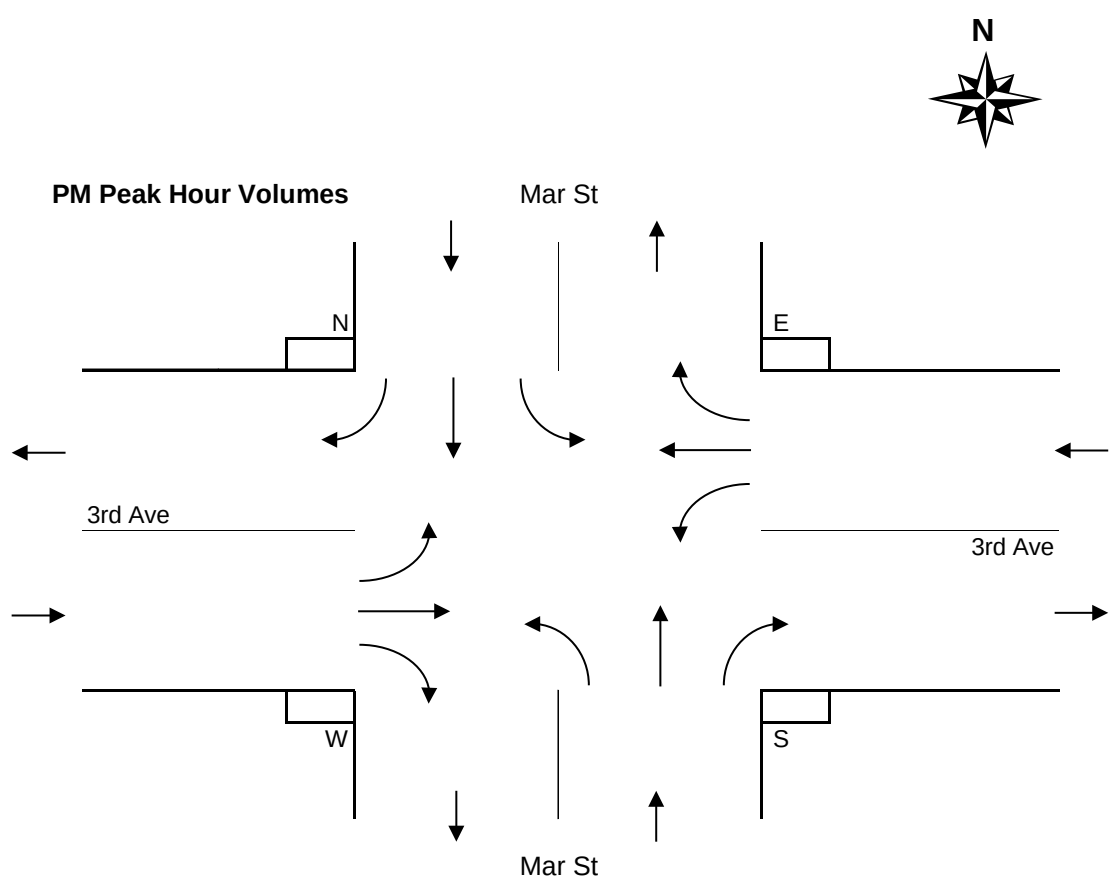
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
Total																									0
Avg Hr																									

Peak hour of the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a

Peak hour of conflicting volumes for the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a



Period Hourly Averages
Emergency Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Entire Survey Period
8 Hours

	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Total	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	0	0
Avg Hr	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	0	0

AM Peak Period
5 Hours

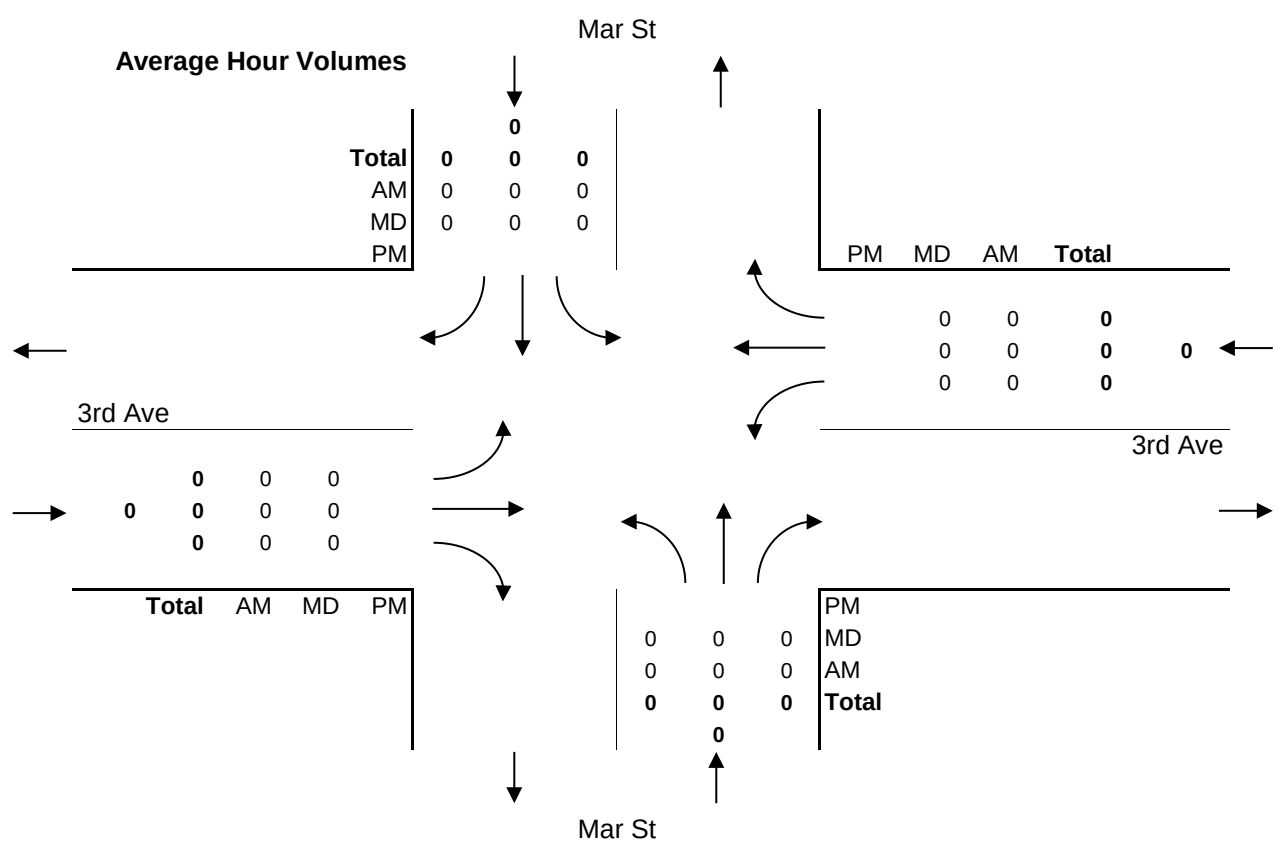
	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Period	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	0	0
Avg Hr	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	0	0

MD Peak Period
3 Hours

	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Total	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	0	0
Avg Hr	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	0	0

PM Peak Period
Hours

	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Total																					
Avg Hr																					



Vehicle Turning Movement Survey
With Classification

Major Route: 3rd Avenue
Minor Route: Mar Street
Municipality: Port Alberni
Filename: 3-3rd Ave @ Mar St-Sep 26, 2017.xlsx
Location #: 3

Date: September 26, 2017
Day-of-week: Tuesday

East/West Route: 3rd Avenue
Intersection Type: 4-leg
Signalized?: No
Weather: Clear and dry

Vehicle Classifications: Regular Vehicles
Buses
Articulated Trucks
Cube Trucks
Dump Trucks
Emergency Trucks
Garbage Trucks
Logging Trucks
RVs
Utility Trucks

This data is for Garbage Trucks

Shift	Start	End	Duration
AM	7:00	12:00	5.00
MD	12:00	15:00	3.00
PM			
Total	**7:00**		**8.00**

Notes: 24-hour clock used for reporting (15-minute increments)
North Approach - southbound vehicles approaching intersection from the north
15x4 - 15 min volume (from maximum 15 minute period of movement/approach in peak hour period [*]) x 4
Pedestrians - N indicates pedestrians crossing north approach (east/west)

Comments:

Survey Data
Garbage Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak				
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E
7:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
7:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
7:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
7:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
8:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
8:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
8:30	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	1		0	0	0	0
8:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1		0	0	0	0
9:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1		0	0	0	0
9:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1		0	0	0	0
9:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
9:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
10:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
10:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0	*	0	0	0	0
10:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0	*	0	0	0	0
10:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0	*	0	0	0	0
11:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0	+	0	0	0	0
11:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
11:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
11:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
Total	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**			0	0	0	0
12:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
12:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
12:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
12:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
13:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
13:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
13:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
13:45	0	0	0	**0**	0	0	0	**0**	0	0	1	**1**	0	0	0	**0**	**1**	1	+	0	0	0	0
14:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1	*	0	0	0	0
14:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1	*	0	0	0	0
14:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1	*	0	0	0	0
14:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
n/a																							
n/a																							
n/a																							
n/a																							
Total	0	0	0	**0**	0	0	0	**0**	0	0	1	**1**	0	0	0	**0**	**1**			0	0	0	0
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
Total																							

AM Peak Period
Garbage Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

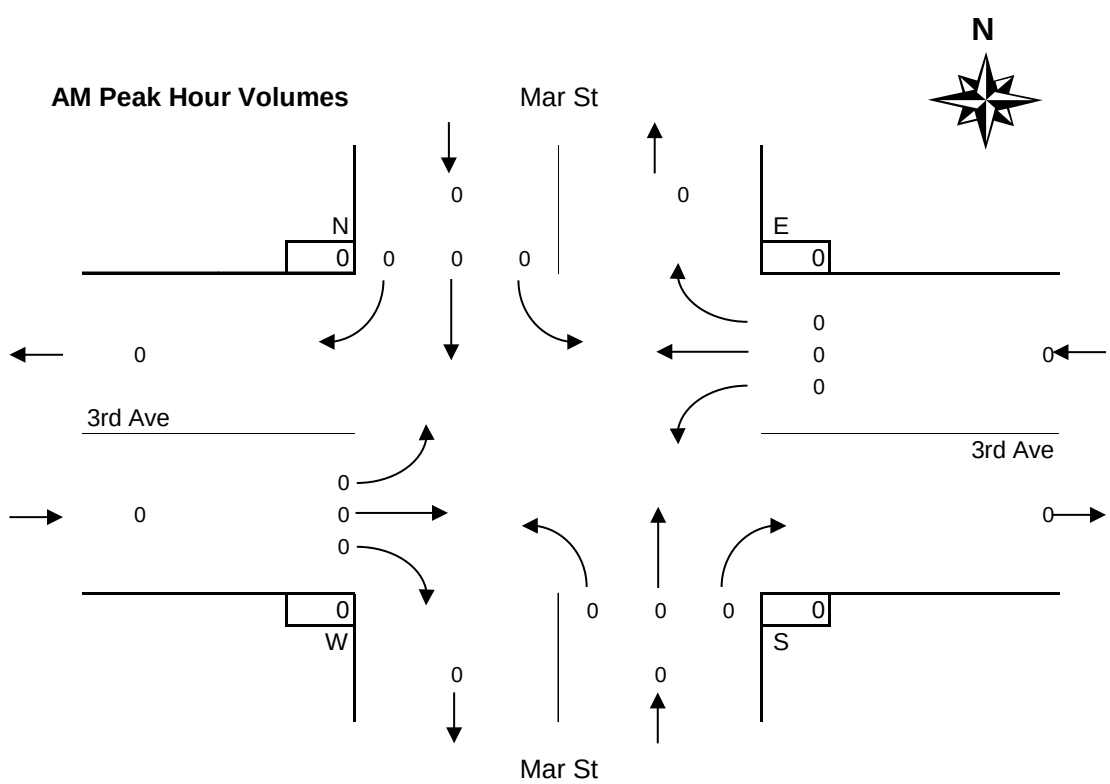
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
7:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
7:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
7:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
7:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
8:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
8:30	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	1		0	0	0	0	1	1
8:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	1
9:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	1
9:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	1
9:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
9:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Total	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	1			0	0	0	0		1
Avg Hr	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0			0	0	0	0		

Peak hour of the intersection

Pk Hr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*		0	0	0	0		0
15x4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+		0	0	0	0		0
PHF	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a			n/a	n/a	n/a	n/a		n/a

Peak hour of conflicting volumes for the intersection

Pk Hr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*		0	0	0	0		0
15x4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+		0	0	0	0		0
PHF	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a			n/a	n/a	n/a	n/a		n/a



MD Peak Period
Garbage Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
12:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
12:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
12:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
12:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
13:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
13:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
13:45	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	+	0	0	0	0	1	1
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	0	0	0	0	0	1
14:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	0	0	0	0	0	1
14:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	0	0	0	0	0	1
14:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
n/a																									
n/a																									
n/a																									
n/a																									
Total	0	0	0	**0**	0	0	0	**0**	0	0	1	**1**	0	0	0	**0**	1			0	0	0	0		1
Avg Hr	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0			0	0	0	0		

Peak hour of the intersection

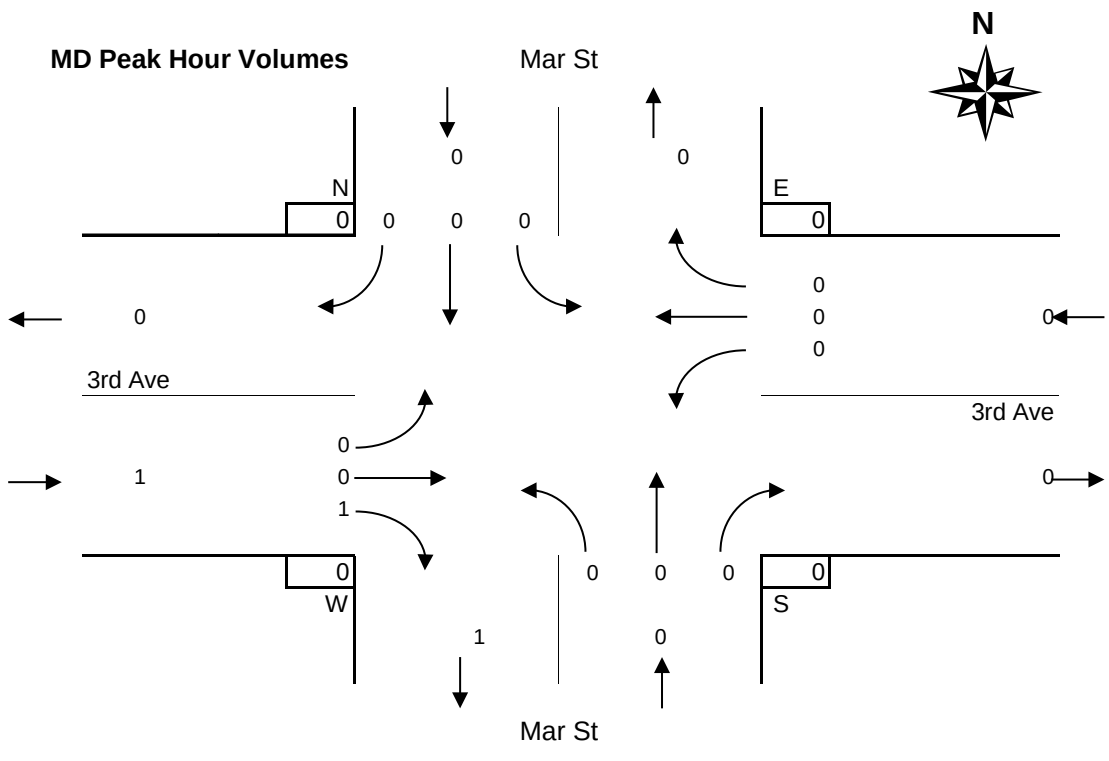
Pk Hr	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	*		0	0	0	0		1
15x4	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	0	4	+		0	0	0	0		4
PHF	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a	n/a	0.25	**0.25**	n/a	n/a	n/a	**n/a**	0.25			n/a	n/a	n/a	n/a		0.25

Peak hour of conflicting volumes for the intersection

Pk Hr	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	*		0	0	0	0		1
15x4	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	0	4	+		0	0	0	0		4
PHF	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a	n/a	0.25	**0.25**	n/a	n/a	n/a	**n/a**	0.25			n/a	n/a	n/a	n/a		0.25

** Calculated peak hour occurs during the first or last hour of shift and therefore may be invalid. **

MD Peak Hour Volumes



PM Peak Period
Garbage Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

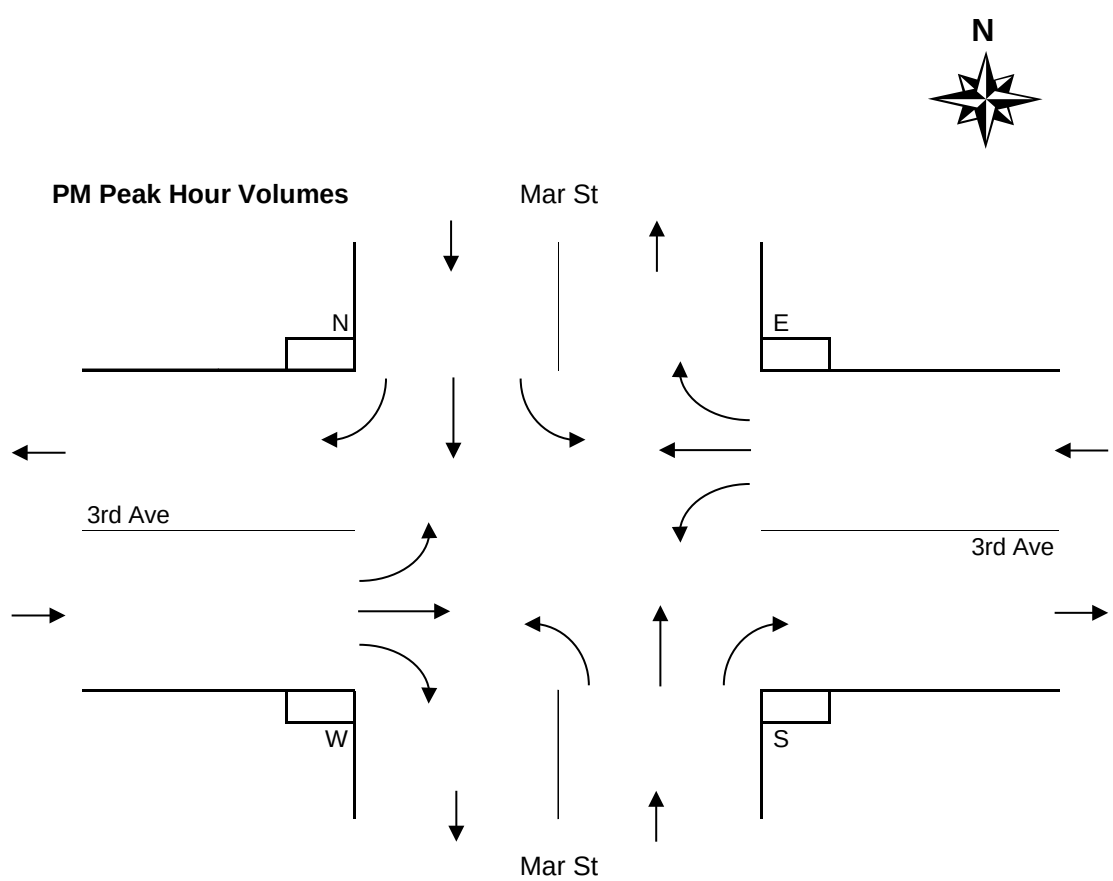
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
Total																									0
Avg Hr																									

Peak hour of the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a

Peak hour of conflicting volumes for the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a



Period Hourly Averages
Garbage Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Entire Survey Period
8 Hours

	Mar St				Mar St				3rd Ave				3rd Ave							
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total			
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Total	0	0	0	**0**	0	1	0	**1**	0	0	1	**1**	0	0	0	**0**	2	0	0	0	0
Avg Hr	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	0	0

AM Peak Period
5 Hours

	Mar St				Mar St				3rd Ave				3rd Ave							
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total			
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Period	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	1	0	0	0	0
Avg Hr	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	0	0

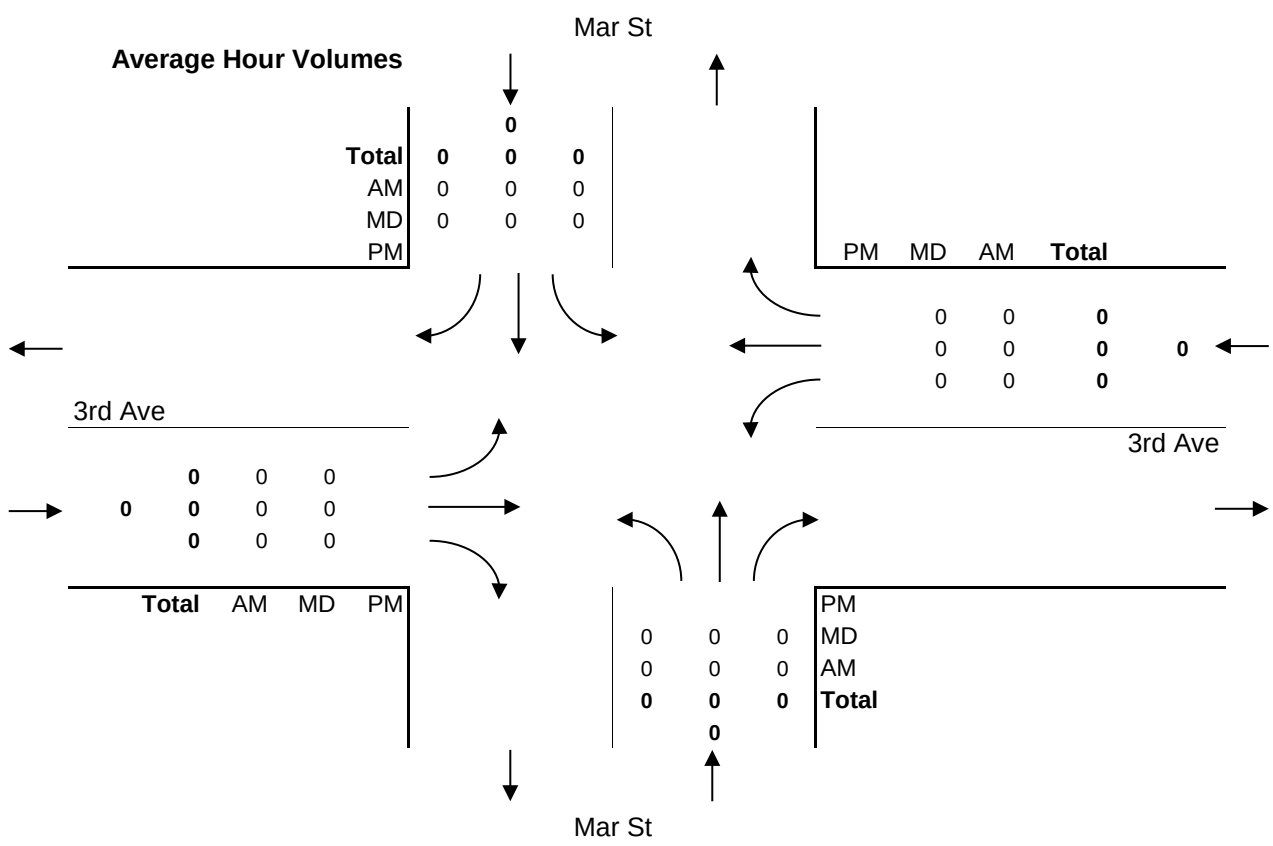
MD Peak Period
3 Hours

	Mar St				Mar St				3rd Ave				3rd Ave							
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total			
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Total	0	0	0	**0**	0	0	0	**0**	0	0	1	**1**	0	0	0	**0**	1	0	0	0	0
Avg Hr	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	0	0

PM Peak Period
Hours

	Mar St				Mar St				3rd Ave				3rd Ave							
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total			
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Total																					
Avg Hr																					

Average Hour Volumes



Vehicle Turning Movement Survey
With Classification

Major Route: 3rd Avenue
Minor Route: Mar Street
Municipality: Port Alberni
Filename: 3-3rd Ave @ Mar St-Sep 26, 2017.xlsx
Location #: 3

Date: September 26, 2017
Day-of-week: Tuesday

East/West Route: 3rd Avenue
Intersection Type: 4-leg
Signalized?: No
Weather: Clear and dry

Vehicle Classifications: Regular Vehicles
Buses
Articulated Trucks
Cube Trucks
Dump Trucks
Emergency Trucks
Garbage Trucks
Logging Trucks
RVs
Utility Trucks

This data is for Logging Trucks

Shift	Start	End	Duration
AM	7:00	12:00	5.00
MD	12:00	15:00	3.00
PM			
Total	**7:00**		**8.00**

Notes: 24-hour clock used for reporting (15-minute increments)
North Approach - southbound vehicles approaching intersection from the north
15x4 - 15 min volume (from maximum 15 minute period of movement/approach in peak hour period [*]) x 4
Pedestrians - N indicates pedestrians crossing north approach (east/west)

Comments:

Survey Data
Logging Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak				
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E
7:00	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**			0	0	0	0
7:15	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**			0	0	0	0
7:30	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**			0	0	0	0
7:45	0	1	0	**1**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	**3**	8		0	0	0	0
8:00	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	8		0	0	0	0
8:15	0	0	0	**0**	1	1	0	**2**	0	0	0	**0**	0	0	0	**0**	**2**	8		0	0	0	0
8:30	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	7		0	0	0	0
8:45	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	5		0	0	0	0
9:00	0	2	0	**2**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	**4**	8		0	0	0	0
9:15	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**2**	8		0	0	0	0
9:30	0	2	0	**2**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**3**	10		0	0	0	0
9:45	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**2**	11		0	0	0	0
10:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	7		0	0	0	0
10:15	0	1	0	**1**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	**3**	8	*	0	0	0	0
10:30	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	6	*	0	0	0	0
10:45	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	6	*	0	0	0	0
11:00	0	0	0	**0**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	**2**	8	+	0	0	0	0
11:15	0	2	0	**2**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**3**	8		0	0	0	0
11:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	7		0	0	0	0
11:45	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	6		0	0	0	0
Total	0	18	0	**18**	1	17	0	**18**	0	0	0	**0**	0	0	0	**0**	**36**			0	0	0	0
12:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
12:15	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**			0	0	0	0
12:30	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**			0	0	0	0
12:45	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	5		0	0	0	0
13:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	5		0	0	0	0
13:15	0	3	0	**3**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**3**	7		0	0	0	0
13:30	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	6		0	0	0	0
13:45	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	6	+	0	0	0	0
14:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	6	*	0	0	0	0
14:15	0	0	0	**0**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	**2**	5	*	0	0	0	0
14:30	0	3	0	**3**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**3**	7	*	0	0	0	0
14:45	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	6		0	0	0	0
n/a																							
n/a																							
n/a																							
n/a																							
Total	0	11	0	**11**	0	6	0	**6**	0	0	0	**0**	0	0	0	**0**	**17**			0	0	0	0
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
Total																							

AM Peak Period
Logging Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

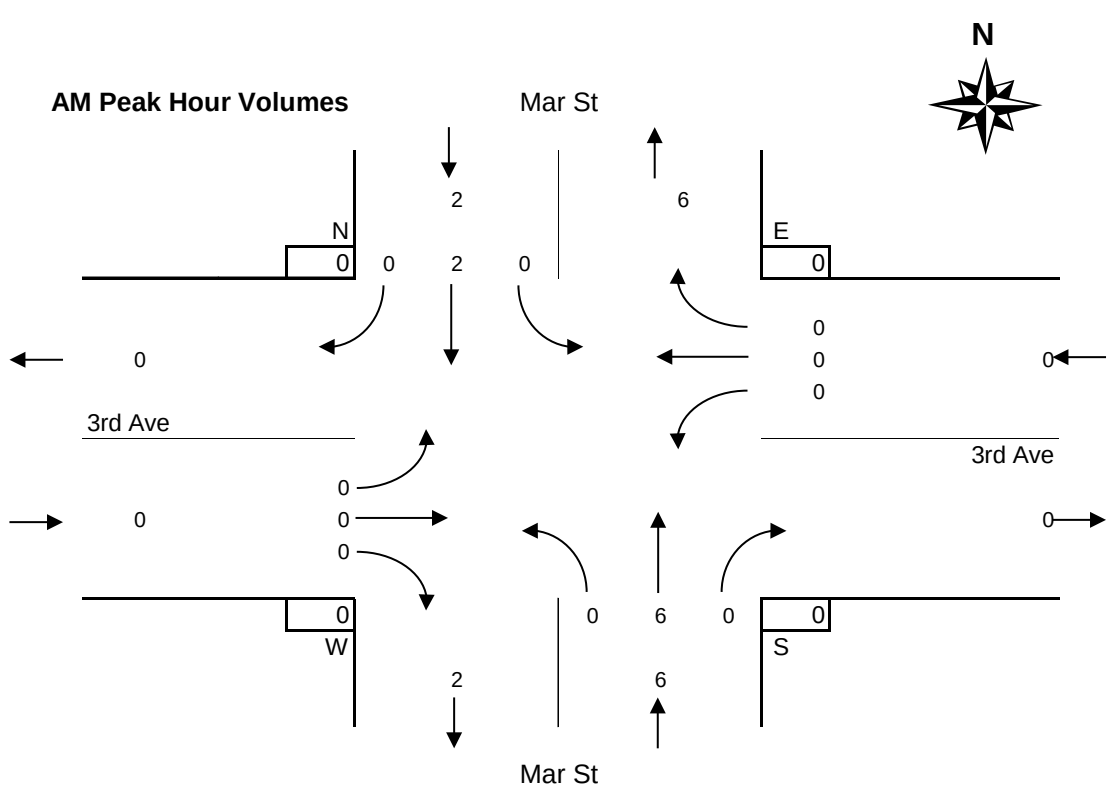
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
7:00	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1			0	0	0	0	1	
7:15	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2			0	0	0	0	1	
7:30	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2			0	0	0	0	1	
7:45	0	1	0	1	0	2	0	2	0	0	0	0	0	0	0	0	3	8		0	0	0	0	2	5
8:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	8		0	0	0	0	1	5
8:15	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	2	8		0	0	0	0	1	5
8:30	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	7		0	0	0	0	1	5
8:45	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5		0	0	0	0	1	4
9:00	0	2	0	2	0	2	0	2	0	0	0	0	0	0	0	0	4	8		0	0	0	0	2	5
9:15	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	8		0	0	0	0	2	6
9:30	0	2	0	2	0	1	0	1	0	0	0	0	0	0	0	0	3	10		0	0	0	0	2	7
9:45	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	11		0	0	0	0	2	8
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7		0	0	0	0	0	6
10:15	0	1	0	1	0	2	0	2	0	0	0	0	0	0	0	0	3	8	*	0	0	0	0	2	6
10:30	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	6	*	0	0	0	0	1	5
10:45	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	6	*	0	0	0	0	1	4
11:00	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	2	8	+	0	0	0	0	2	6
11:15	0	2	0	2	0	1	0	1	0	0	0	0	0	0	0	0	3	8		0	0	0	0	2	6
11:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7		0	0	0	0	0	5
11:45	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6		0	0	0	0	1	5
Total	0	18	0	**18**	1	17	0	**18**	0	0	0	**0**	0	0	0	**0**	36			0	0	0	0		19
Avg Hr	0	4	0	**4**	0	3	0	**4**	0	0	0	**0**	0	0	0	**0**	7			0	0	0	0		

Peak hour of the intersection

Pk Hr	0	2	0	2	0	6	0	6	0	0	0	0	0	0	0	0	8	*		0	0	0	0		6
15x4	0	4	0	4	0	8	0	8	0	0	0	0	0	0	0	0	12	+		0	0	0	0		8
PHF	n/a	0.50	n/a	**0.50**	n/a	0.75	n/a	**0.75**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.67			n/a	n/a	n/a	n/a		0.75

Peak hour of conflicting volumes for the intersection

Pk Hr	0	2	0	2	0	6	0	6	0	0	0	0	0	0	0	0	8	*		0	0	0	0		6
15x4	0	4	0	4	0	8	0	8	0	0	0	0	0	0	0	0	12	+		0	0	0	0		8
PHF	n/a	0.50	n/a	**0.50**	n/a	0.75	n/a	**0.75**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.67			n/a	n/a	n/a	n/a		0.75



MD Peak Period
Logging Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
12:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
12:15	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1			0	0	0	0	1	
12:30	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2			0	0	0	0	1	
12:45	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	5		0	0	0	0	1	3
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5		0	0	0	0	0	3
13:15	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	7		0	0	0	0	3	5
13:30	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6		0	0	0	0	1	5
13:45	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	6	+	0	0	0	0	1	5
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	*	0	0	0	0	0	5
14:15	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	2	5	*	0	0	0	0	2	4
14:30	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	7	*	0	0	0	0	3	6
14:45	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6		0	0	0	0	1	6
n/a																									
n/a																									
n/a																									
n/a																									
Total	0	11	0	**11**	0	6	0	**6**	0	0	0	**0**	0	0	0	**0**	17			0	0	0	0		11
Avg Hr	0	4	0	**4**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	6			0	0	0	0		

Peak hour of the intersection

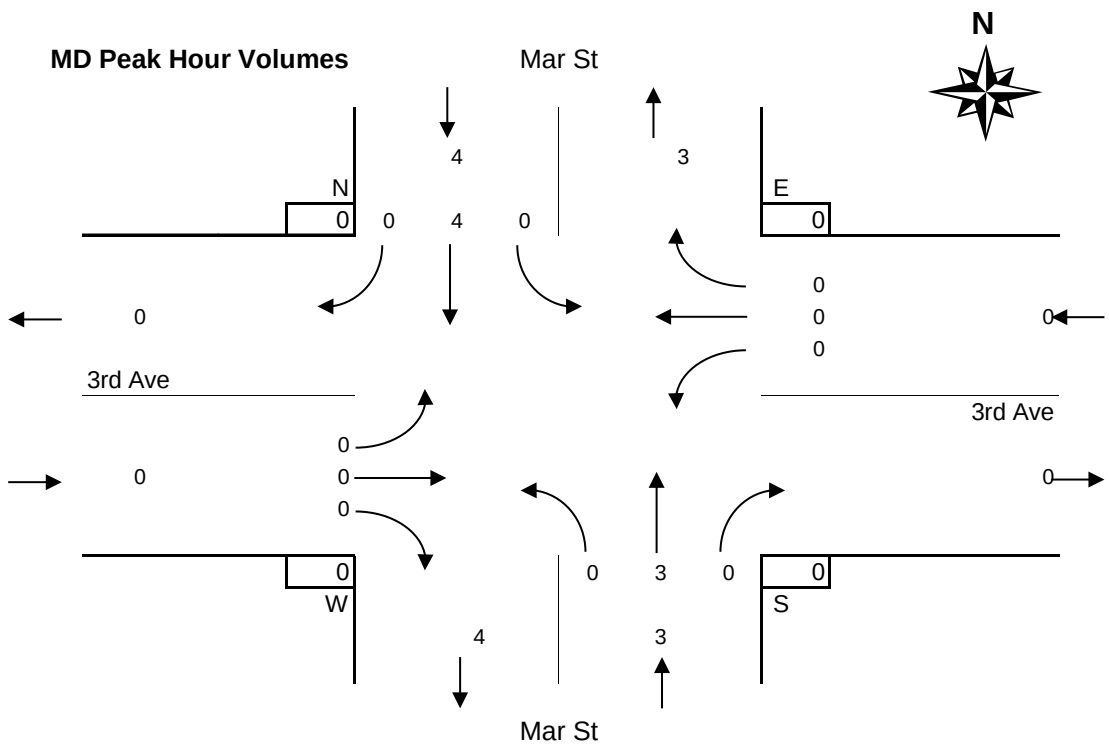
Pk Hr	0	4	0	4	0	3	0	3	0	0	0	0	0	0	0	0	7	*		0	0	0	0		4
15x4	0	12	0	12	0	8	0	8	0	0	0	0	0	0	0	0	12	+		0	0	0	0		12
PHF	n/a	0.33	n/a	**0.33**	n/a	0.38	n/a	**0.38**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.58			n/a	n/a	n/a	n/a		0.33

Peak hour of conflicting volumes for the intersection

Pk Hr	0	4	0	4	0	3	0	3	0	0	0	0	0	0	0	0	7	*		0	0	0	0		4
15x4	0	12	0	12	0	8	0	8	0	0	0	0	0	0	0	0	12	+		0	0	0	0		12
PHF	n/a	0.33	n/a	**0.33**	n/a	0.38	n/a	**0.38**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.58			n/a	n/a	n/a	n/a		0.33

** Calculated peak hour occurs during the first or last hour of shift and therefore may be invalid. **

MD Peak Hour Volumes



PM Peak Period
Logging Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

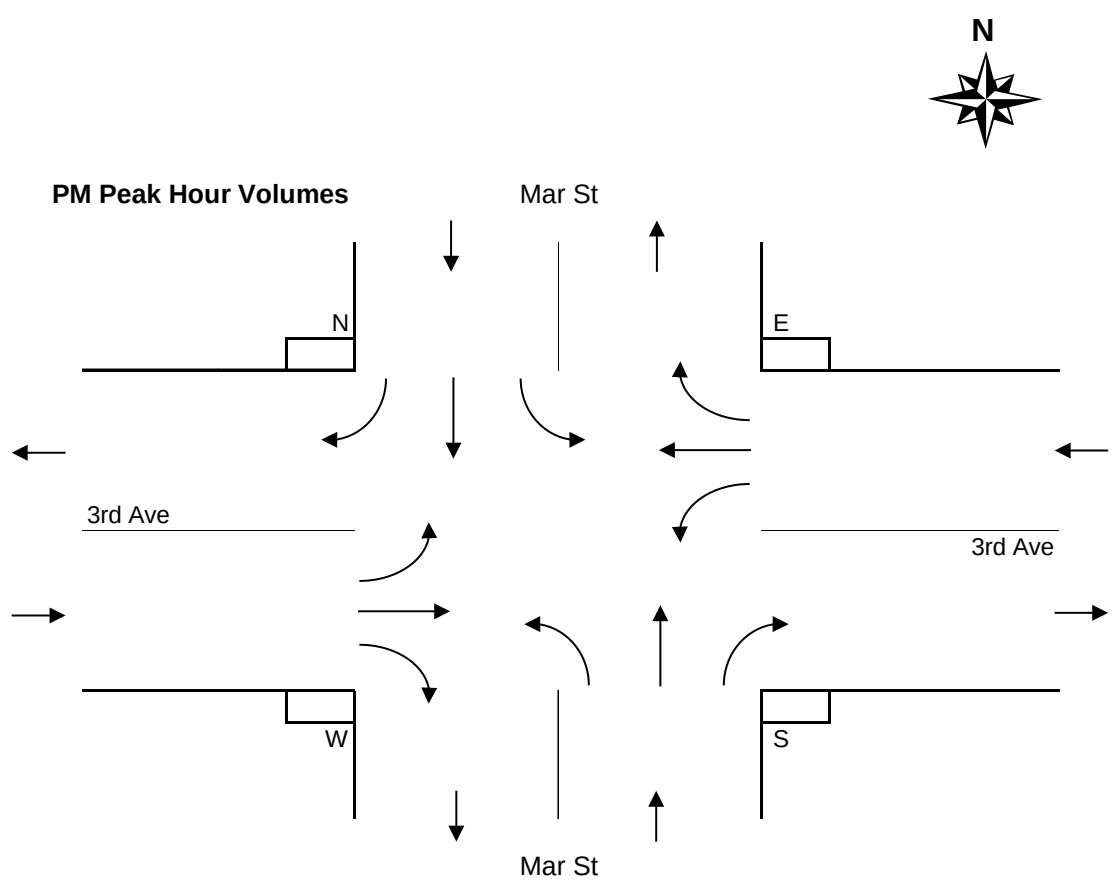
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
Total																									0
Avg Hr																									

Peak hour of the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a

Peak hour of conflicting volumes for the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a



Period Hourly Averages
Logging Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Entire Survey Period
8 Hours

	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume				
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total		N	S	W	E
Total	0	29	0	**29**	1	23	0	**24**	0	0	0	**0**	0	0	0	**0**	53	0	0	0	0
Avg Hr	0	4	0	**4**	0	3	0	**3**	0	0	0	**0**	0	0	0	**0**	7	0	0	0	0

AM Peak Period
5 Hours

	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total		N	S	W	E
Period	0	18	0	**18**	1	17	0	**18**	0	0	0	**0**	0	0	0	**0**	36	0	0	0	0
Avg Hr	0	4	0	**4**	0	3	0	**4**	0	0	0	**0**	0	0	0	**0**	7	0	0	0	0

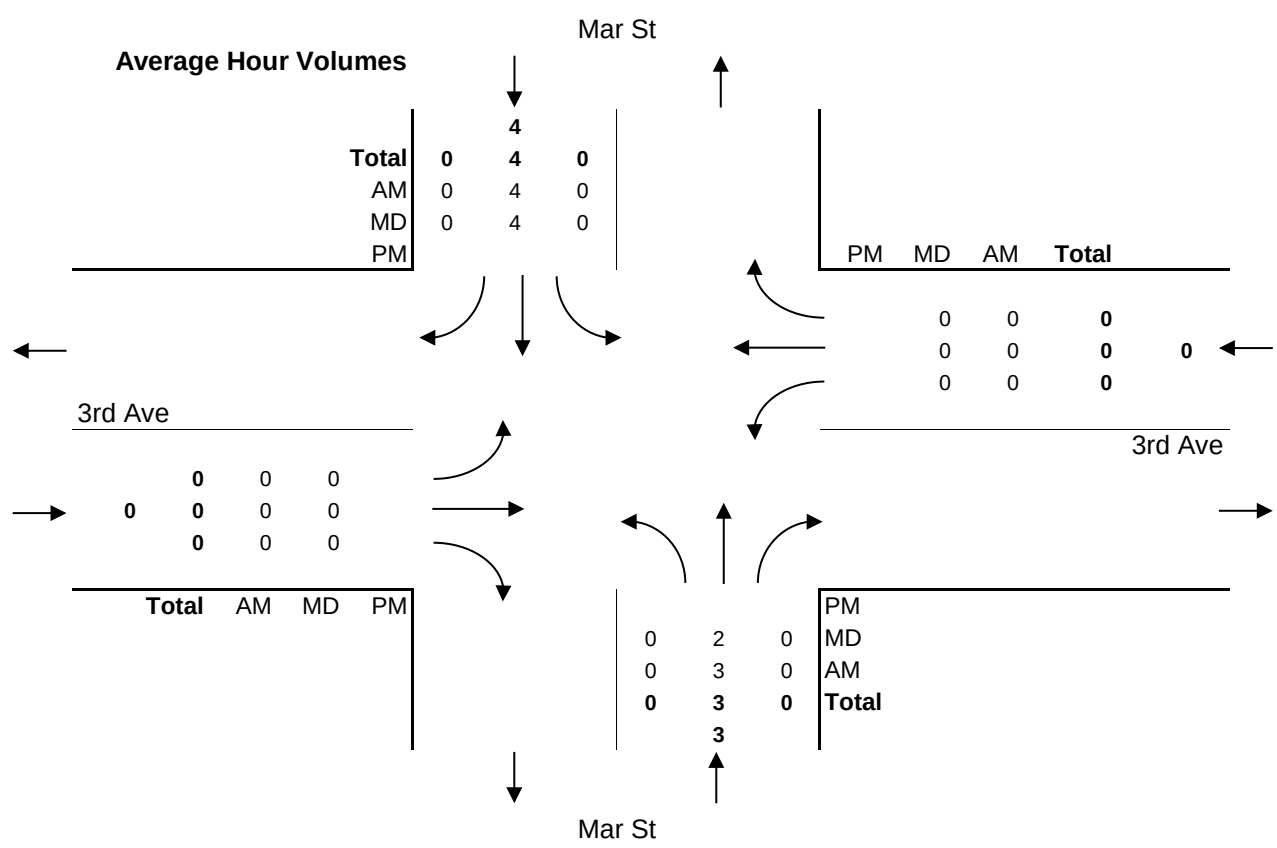
MD Peak Period
3 Hours

	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total		N	S	W	E
Total	0	11	0	**11**	0	6	0	**6**	0	0	0	**0**	0	0	0	**0**	17	0	0	0	0
Avg Hr	0	4	0	**4**	0	2	0	**2**	0	0	0	**0**	0	0	0	**0**	6	0	0	0	0

PM Peak Period
Hours

	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total		N	S	W	E
Total																					
Avg Hr																					

Average Hour Volumes



Vehicle Turning Movement Survey
With Classification

Major Route: 3rd Avenue
Minor Route: Mar Street
Municipality: Port Alberni
Filename: 3-3rd Ave @ Mar St-Sep 26, 2017.xlsx
Location #: 3

Date: September 26, 2017
Day-of-week: Tuesday

East/West Route: 3rd Avenue
Intersection Type: 4-leg
Signalized?: No
Weather: Clear and dry

Vehicle Classifications: Regular Vehicles
Buses
Articulated Trucks
Cube Trucks
Dump Trucks
Emergency Trucks
Garbage Trucks
Logging Trucks
RVs
Utility Trucks

This data is for RVs

Shift	Start	End	Duration
AM	7:00	12:00	5.00
MD	12:00	15:00	3.00
PM			
Total	**7:00**		**8.00**

Notes: 24-hour clock used for reporting (15-minute increments)
North Approach - southbound vehicles approaching intersection from the north
15x4 - 15 min volume (from maximum 15 minute period of movement/approach in peak hour period [*]) x 4
Pedestrians - N indicates pedestrians crossing north approach (east/west)

Comments:

Survey Data
RVs

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak				
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E
7:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
7:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
7:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
7:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
8:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
8:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
8:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
8:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
9:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
9:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
9:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
9:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
10:00	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	1		0	0	0	0
10:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1	*	0	0	0	0
10:30	0	0	0	**0**	0	0	0	**0**	1	0	0	**1**	0	0	0	**0**	**1**	2	*	0	0	0	0
10:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	2	*	0	0	0	0
11:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1	+	0	0	0	0
11:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	1		0	0	0	0
11:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
11:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
Total	0	1	0	**1**	0	0	0	**0**	1	0	0	**1**	0	0	0	**0**	**2**			0	0	0	0
12:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
12:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
12:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
12:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
13:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
13:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
13:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0		0	0	0	0
13:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0	+	0	0	0	0
14:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0	*	0	0	0	0
14:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0	*	0	0	0	0
14:30	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	0	*	0	0	0	0
14:45	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	2		0	0	0	0
n/a																							
n/a																							
n/a																							
n/a																							
Total	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**			0	0	0	0
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
Total																							

AM Peak Period
RVs

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

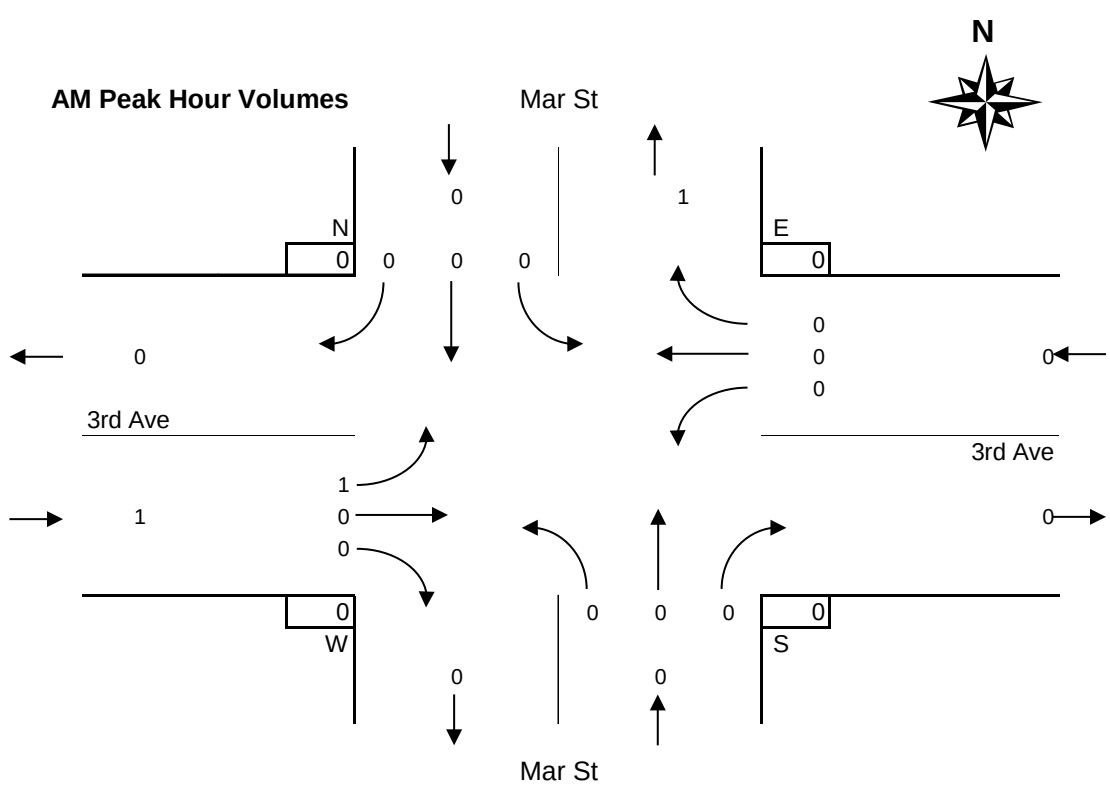
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
7:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
7:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
7:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
7:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
8:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
8:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
8:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
8:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
9:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
9:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
9:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
10:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1		0	0	0	0	1	1
10:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	0	0	0	0	0	1
10:30	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	2	*	0	0	0	0	1	2
10:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	*	0	0	0	0	0	2
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	+	0	0	0	0	0	1
11:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	1
11:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Total	0	1	0	**1**	0	0	0	**0**	1	0	0	**1**	0	0	0	**0**	2			0	0	0	0		2
Avg Hr	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0			0	0	0	0		

Peak hour of the intersection

Pk Hr	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	*		0	0	0	0		1
15x4	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	4	+		0	0	0	0		4
PHF	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.25	n/a	n/a	**0.25**	n/a	n/a	n/a	**n/a**	0.25			n/a	n/a	n/a	n/a		0.25

Peak hour of conflicting volumes for the intersection

Pk Hr	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	*		0	0	0	0		1
15x4	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	4	+		0	0	0	0		4
PHF	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.25	n/a	n/a	**0.25**	n/a	n/a	n/a	**n/a**	0.25			n/a	n/a	n/a	n/a		0.25



MD Peak Period
RVs

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
12:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
12:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
12:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
12:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
13:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
13:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
13:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+	0	0	0	0	0	0
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
14:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
14:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
14:45	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	2		0	0	0	0	1	1
n/a																									
n/a																									
n/a																									
n/a																									
Total	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	2			0	0	0	0		1
Avg Hr	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	1			0	0	0	0		

Peak hour of the intersection

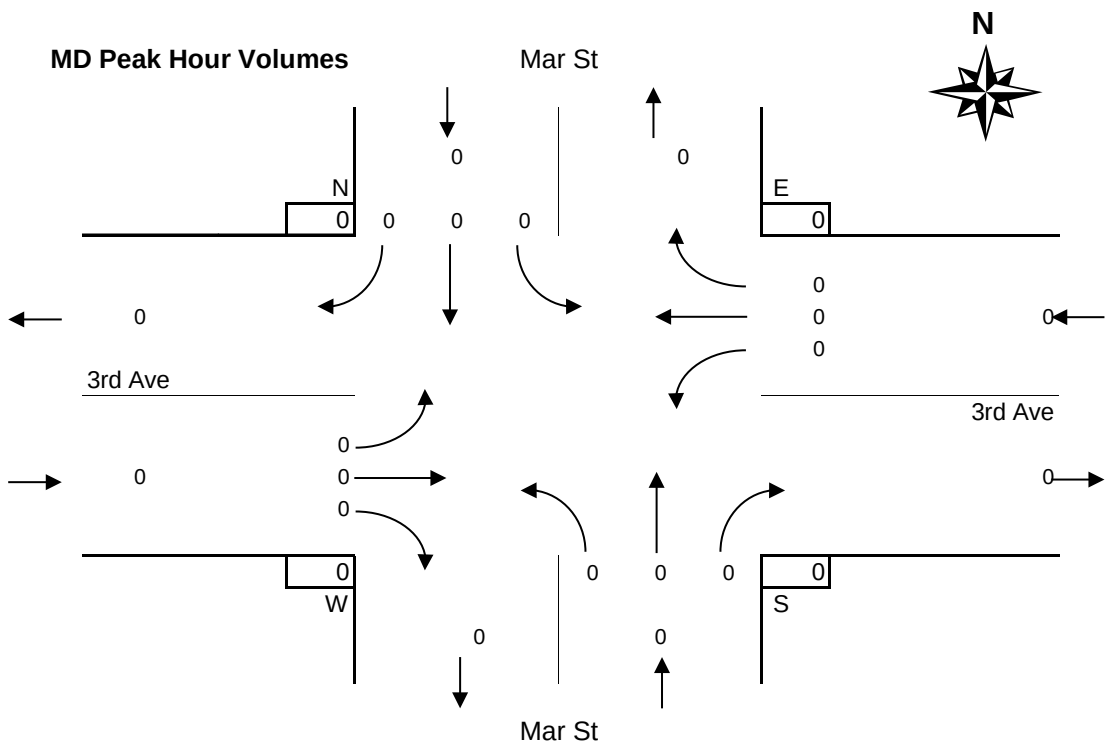
Pk Hr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*		0	0	0	0		0
15x4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+		0	0	0	0		0
PHF	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a			n/a	n/a	n/a	n/a		n/a

Peak hour of conflicting volumes for the intersection

Pk Hr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*		0	0	0	0		0
15x4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+		0	0	0	0		0
PHF	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	n/a			n/a	n/a	n/a	n/a		n/a

** Calculated peak hour occurs during the first or last hour of shift and therefore may be invalid. **

MD Peak Hour Volumes



PM Peak Period
RVs

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

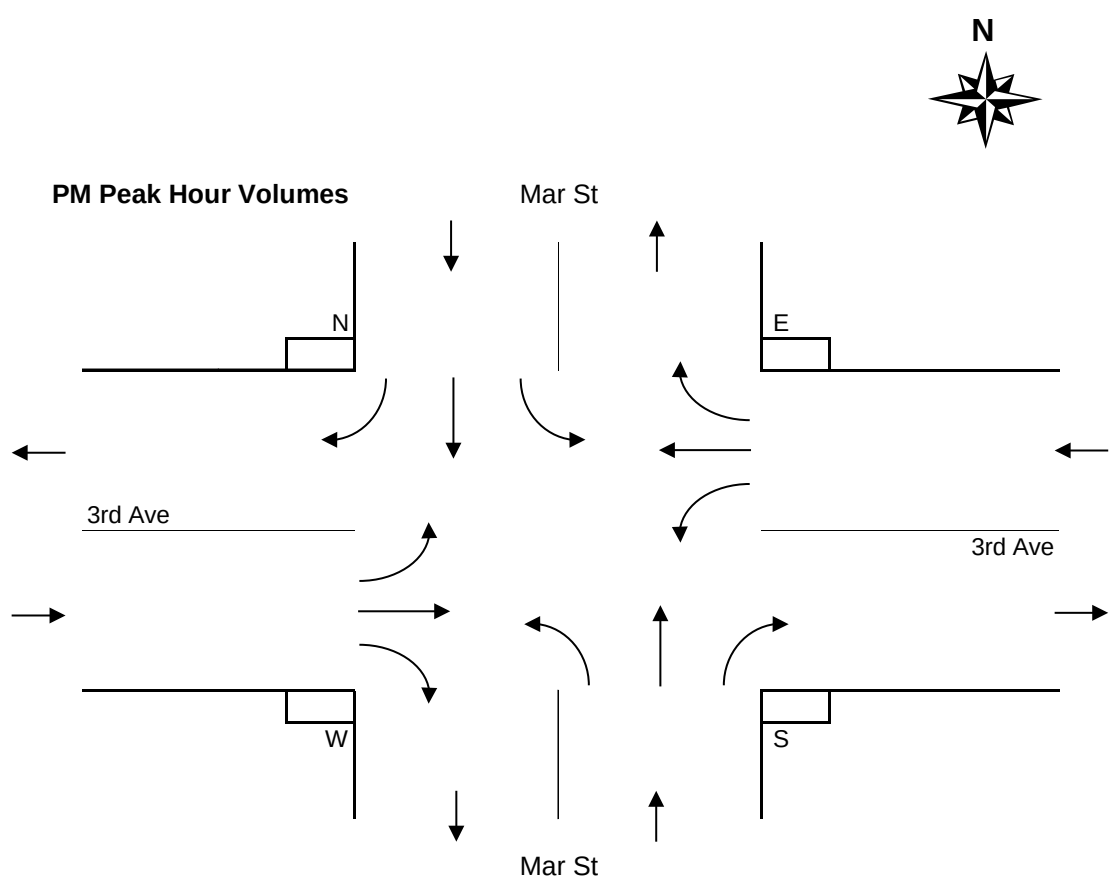
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
Total																									0
Avg Hr																									

Peak hour of the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a

Peak hour of conflicting volumes for the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a



Period Hourly Averages
RVs

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Entire Survey Period
8 Hours

	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Total	0	2	0	**2**	0	1	0	**1**	1	0	0	**1**	0	0	0	**0**	4	0	0	0	0
Avg Hr	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	1	0	0	0	0

AM Peak Period
5 Hours

	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Period	0	1	0	**1**	0	0	0	**0**	1	0	0	**1**	0	0	0	**0**	2	0	0	0	0
Avg Hr	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	0	0

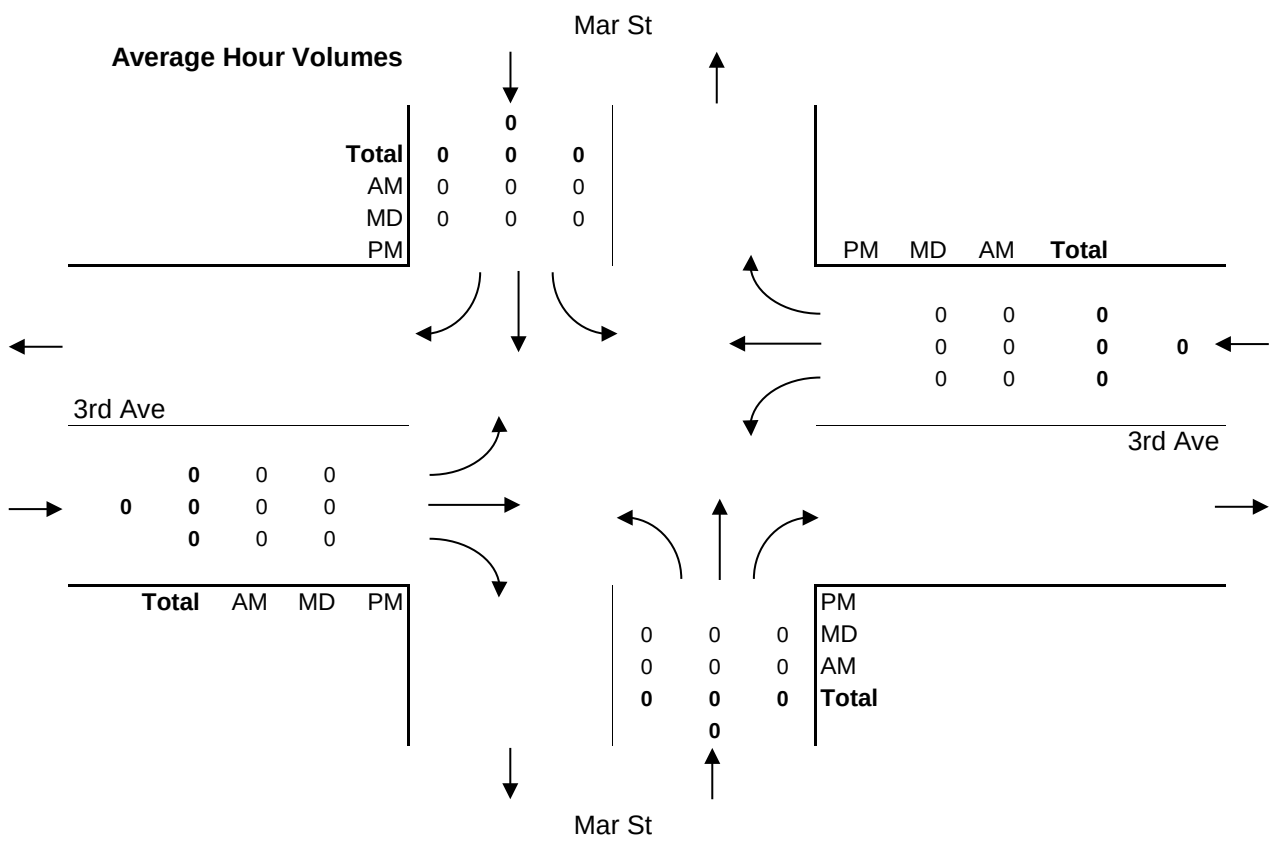
MD Peak Period
3 Hours

	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Total	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	2	0	0	0	0
Avg Hr	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	1	0	0	0	0

PM Peak Period
Hours

	Mar St				Mar St				3rd Ave				3rd Ave								
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Total				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Volume	N	S	W	E
Total																					
Avg Hr																					

Average Hour Volumes



Vehicle Turning Movement Survey
With Classification

Major Route: 3rd Avenue
Minor Route: Mar Street
Municipality: Port Alberni
Filename: 3-3rd Ave @ Mar St-Sep 26, 2017.xlsx
Location #: 3

Date: September 26, 2017
Day-of-week: Tuesday

East/West Route: 3rd Avenue
Intersection Type: 4-leg
Signalized?: No
Weather: Clear and dry

Vehicle Classifications: Regular Vehicles
Buses
Articulated Trucks
Cube Trucks
Dump Trucks
Emergency Trucks
Garbage Trucks
Logging Trucks
RVs
Utility Trucks

This data is for Utility Trucks

Shift	Start	End	Duration
AM	7:00	12:00	5.00
MD	12:00	15:00	3.00
PM			
Total	**7:00**		**8.00**

Notes: 24-hour clock used for reporting (15-minute increments)
North Approach - southbound vehicles approaching intersection from the north
15x4 - 15 min volume (from maximum 15 minute period of movement/approach in peak hour period [*]) x 4
Pedestrians - N indicates pedestrians crossing north approach (east/west)

Comments:

Survey Data
Utility Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak				
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E
7:00	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**			0	0	0	0
7:15	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**			0	0	0	0
7:30	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**			0	0	0	0
7:45	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	1	**1**	**2**	4		0	0	0	0
8:00	0	0	0	**0**	0	0	0	**0**	0	0	1	**1**	0	0	0	**0**	**1**	5		0	0	0	0
8:15	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	6		0	0	0	0
8:30	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	7		0	0	0	0
8:45	0	1	0	**1**	0	1	0	**1**	0	0	1	**1**	0	0	0	**0**	**3**	8		0	0	0	0
9:00	1	0	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	9		0	0	0	0
9:15	0	0	0	**0**	1	2	0	**3**	0	0	0	**0**	0	0	1	**1**	**4**	11		0	0	0	0
9:30	0	0	1	**1**	0	0	0	**0**	0	0	1	**1**	0	0	0	**0**	**2**	11		0	0	0	0
9:45	0	4	0	**4**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**4**	12		0	0	0	0
10:00	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	12		0	0	0	0
10:15	0	2	1	**3**	1	0	0	**1**	0	0	0	**0**	0	0	0	**0**	**4**	12	*	0	0	0	0
10:30	0	2	0	**2**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**3**	13	*	0	0	0	0
10:45	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	10	*	0	0	0	0
11:00	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	9	+	0	0	0	0
11:15	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	6		0	0	0	0
11:30	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	4		0	0	0	0
11:45	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	5		0	0	0	0
Total	1	17	2	**20**	2	12	0	**14**	0	0	3	**3**	0	0	2	**2**	**39**			0	0	0	0
12:00	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	1	**1**	**2**			0	0	0	0
12:15	0	0	0	**0**	1	0	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**			0	0	0	0
12:30	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**			0	0	0	0
12:45	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	6		0	0	0	0
13:00	0	0	0	**0**	0	3	0	**3**	0	0	0	**0**	0	0	0	**0**	**3**	7		0	0	0	0
13:15	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	6		0	0	0	0
13:30	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**1**	6		0	0	0	0
13:45	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	5	+	0	0	0	0
14:00	0	1	0	**1**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**2**	4	*	0	0	0	0
14:15	0	0	0	**0**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**1**	5	*	0	0	0	0
14:30	0	2	0	**2**	0	1	0	**1**	0	0	0	**0**	0	0	0	**0**	**3**	7	*	0	0	0	0
14:45	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	**0**	6		0	0	0	0
n/a																							
n/a																							
n/a																							
n/a																							
Total	0	7	0	**7**	1	8	0	**9**	0	0	0	**0**	0	0	1	**1**	**17**			0	0	0	0
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
Total																							

AM Peak Period
Utility Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

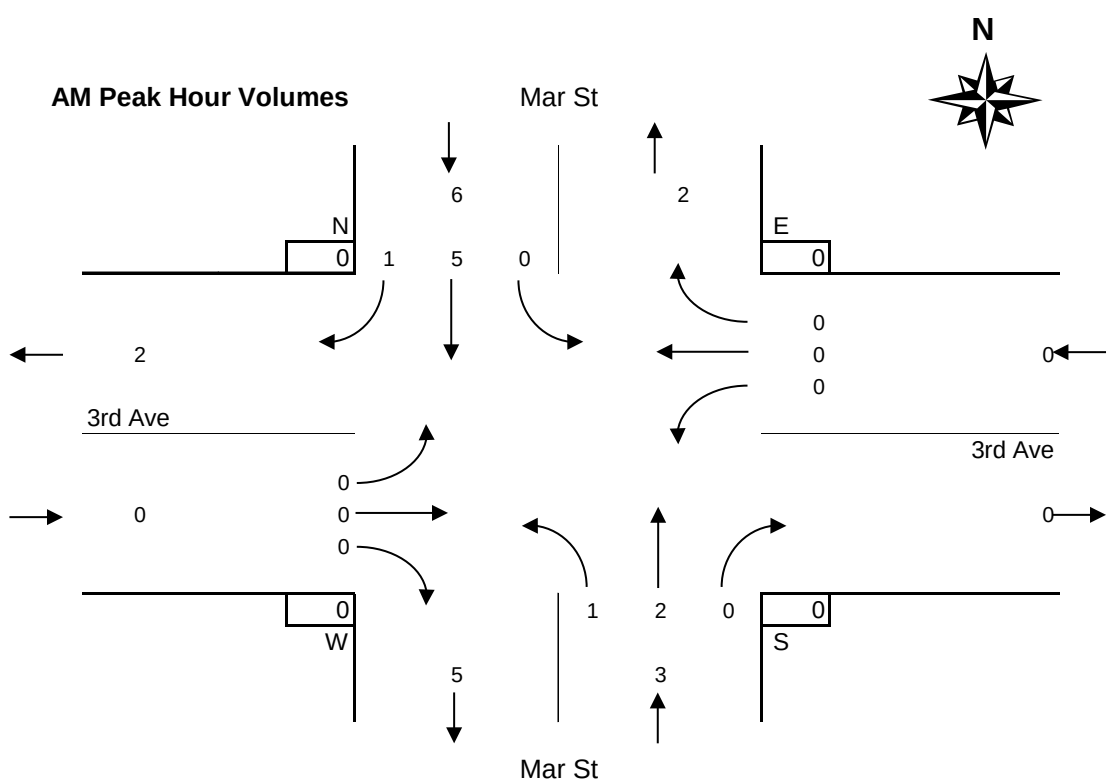
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
7:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	
7:15	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1			0	0	0	0	1	
7:30	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1			0	0	0	0	1	
7:45	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	2	4		0	0	0	0	2	4
8:00	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	5		0	0	0	0	1	5
8:15	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	6		0	0	0	0	1	5
8:30	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	7		0	0	0	0	1	5
8:45	0	1	0	1	0	1	0	1	0	0	1	1	0	0	0	0	3	8		0	0	0	0	2	5
9:00	1	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	9		0	0	0	0	2	6
9:15	0	0	0	0	1	2	0	3	0	0	0	0	0	0	1	1	4	11		0	0	0	0	3	8
9:30	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	2	11		0	0	0	0	2	9
9:45	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4	12		0	0	0	0	4	11
10:00	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	12		0	0	0	0	1	10
10:15	0	2	1	3	1	0	0	1	0	0	0	0	0	0	0	0	4	12	*	0	0	0	0	4	11
10:30	0	2	0	2	0	1	0	1	0	0	0	0	0	0	0	0	3	13	*	0	0	0	0	2	11
10:45	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	10	*	0	0	0	0	1	8
11:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	9	+	0	0	0	0	1	8
11:15	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6		0	0	0	0	1	5
11:30	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	4		0	0	0	0	1	4
11:45	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	5		0	0	0	0	1	4
Total	1	17	2	**20**	2	12	0	**14**	0	0	3	**3**	0	0	2	**2**	39			0	0	0	0		24
Avg Hr	0	3	0	**4**	0	2	0	**3**	0	0	1	**1**	0	0	0	**0**	8			0	0	0	0		

Peak hour of the intersection

Pk Hr	0	5	1	6	1	2	0	3	0	0	0	0	0	0	0	0	9	*		0	0	0	0		7
15x4	0	8	4	12	4	4	0	4	0	0	0	0	0	0	0	0	16	+		0	0	0	0		16
PHF	n/a	0.63	0.25	**0.50**	0.25	0.50	n/a	**0.75**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.56			n/a	n/a	n/a	n/a		0.44

Peak hour of conflicting volumes for the intersection

Pk Hr	0	5	1	6	1	2	0	3	0	0	0	0	0	0	0	0	9	*		0	0	0	0		7
15x4	0	8	4	12	4	4	0	4	0	0	0	0	0	0	0	0	16	+		0	0	0	0		16
PHF	n/a	0.63	0.25	**0.50**	0.25	0.50	n/a	**0.75**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.56			n/a	n/a	n/a	n/a		0.44



MD Peak Period
Utility Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
12:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	2			0	0	0	0	2	
12:15	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1			0	0	0	0	1	
12:30	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1			0	0	0	0	1	
12:45	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	6		0	0	0	0	1	5
13:00	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	3	7		0	0	0	0	3	6
13:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6		0	0	0	0	0	5
13:30	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6		0	0	0	0	1	5
13:45	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	5	+	0	0	0	0	1	5
14:00	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	4	*	0	0	0	0	1	3
14:15	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	5	*	0	0	0	0	1	4
14:30	0	2	0	2	0	1	0	1	0	0	0	0	0	0	0	0	3	7	*	0	0	0	0	2	5
14:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6		0	0	0	0	0	4
n/a																									
n/a																									
n/a																									
n/a																									
Total	0	7	0	**7**	1	8	0	**9**	0	0	0	**0**	0	0	1	**1**	17			0	0	0	0		9
Avg Hr	0	2	0	**2**	0	3	0	**3**	0	0	0	**0**	0	0	0	**0**	6			0	0	0	0		

Peak hour of the intersection

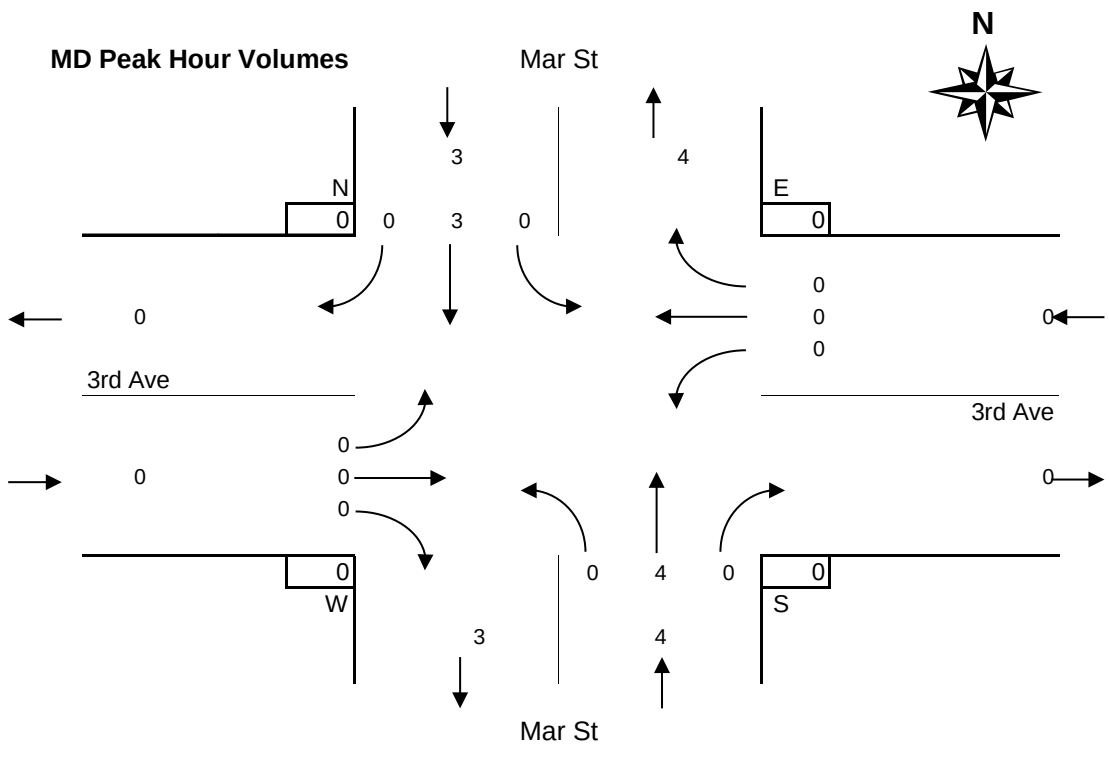
Pk Hr	0	3	0	3	0	4	0	4	0	0	0	0	0	0	0	0	7	*		0	0	0	0		4
15x4	0	8	0	8	0	4	0	4	0	0	0	0	0	0	0	0	12	+		0	0	0	0		8
PHF	n/a	0.38	n/a	**0.38**	n/a	1.00	n/a	**1.00**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.58			n/a	n/a	n/a	n/a		0.50

Peak hour of conflicting volumes for the intersection

Pk Hr	0	3	0	3	0	4	0	4	0	0	0	0	0	0	0	0	7	*		0	0	0	0		4
15x4	0	8	0	8	0	4	0	4	0	0	0	0	0	0	0	0	12	+		0	0	0	0		8
PHF	n/a	0.38	n/a	**0.38**	n/a	1.00	n/a	**1.00**	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	**n/a**	0.58			n/a	n/a	n/a	n/a		0.50

** Calculated peak hour occurs during the first or last hour of shift and therefore may be invalid. **

MD Peak Hour Volumes



PM Peak Period
Utility Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

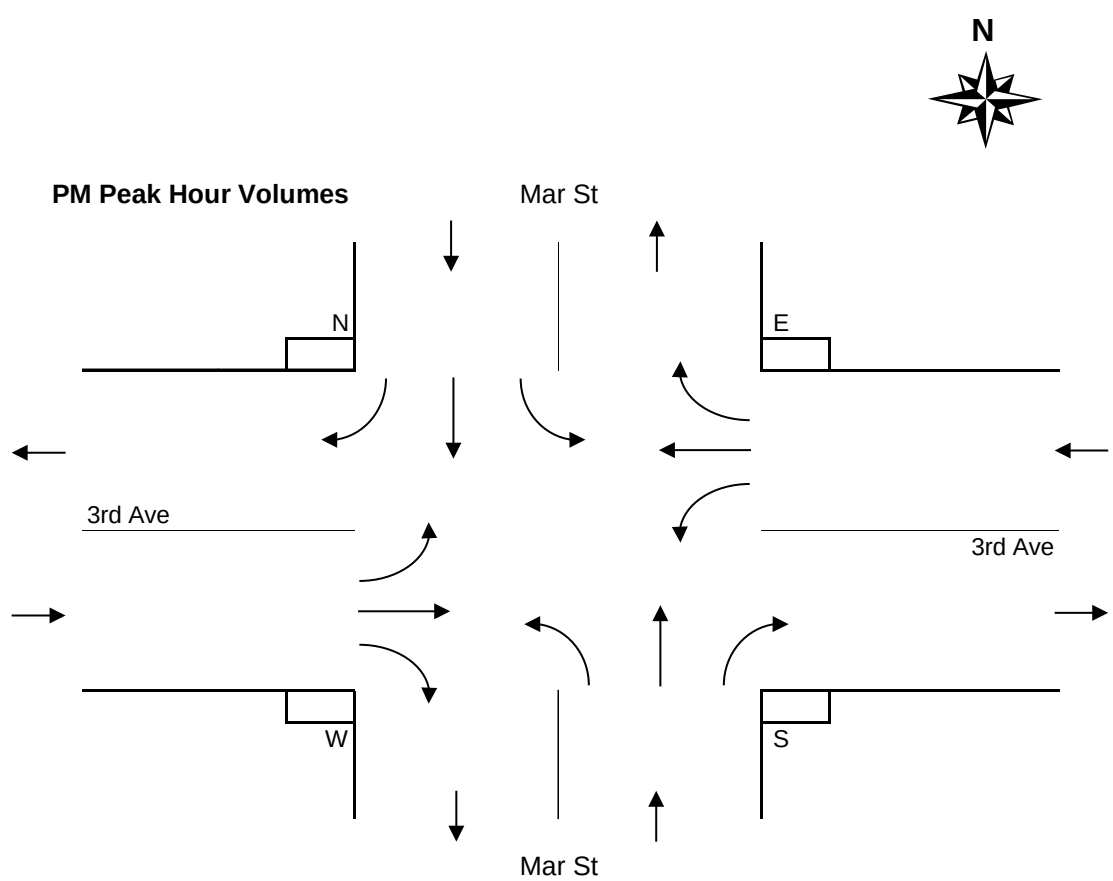
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak					Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
Total																									0
Avg Hr																									

Peak hour of the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a

Peak hour of conflicting volumes for the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a



Period Hourly Averages
Utility Trucks

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Entire Survey Period
8 Hours

	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume				
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total		N	S	W	E
Total	1	24	2	**27**	3	20	0	**23**	0	0	3	**3**	0	0	3	**3**	56	0	0	0	0
Avg Hr	0	3	0	**3**	0	3	0	**3**	0	0	0	**0**	0	0	0	**0**	7	0	0	0	0

AM Peak Period
5 Hours

	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total		N	S	W	E
Period	1	17	2	**20**	2	12	0	**14**	0	0	3	**3**	0	0	2	**2**	39	0	0	0	0
Avg Hr	0	3	0	**4**	0	2	0	**3**	0	0	1	**1**	0	0	0	**0**	8	0	0	0	0

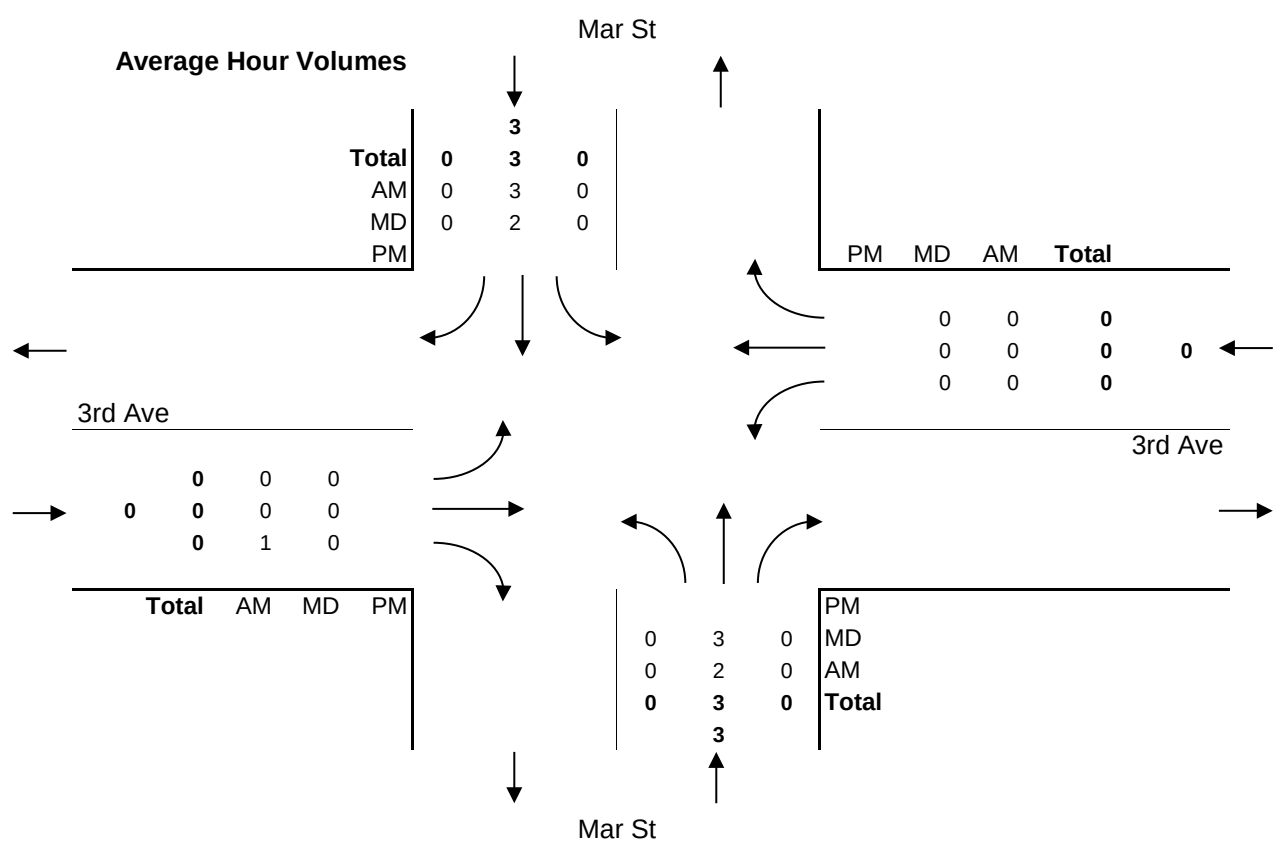
MD Peak Period
3 Hours

	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total		N	S	W	E
Total	0	7	0	**7**	1	8	0	**9**	0	0	0	**0**	0	0	1	**1**	17	0	0	0	0
Avg Hr	0	2	0	**2**	0	3	0	**3**	0	0	0	**0**	0	0	0	**0**	6	0	0	0	0

PM Peak Period
Hours

	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total		N	S	W	E
Total																					
Avg Hr																					

Average Hour Volumes



Vehicle Turning Movement Survey
With Classification

Major Route: 3rd Avenue
Minor Route: Mar Street
Municipality: Port Alberni
Filename: 3-3rd Ave @ Mar St-Sep 26, 2017.xlsx
Location #: 3

Date: September 26, 2017
Day-of-week: Tuesday

East/West Route: 3rd Avenue
Intersection Type: 4-leg
Signalized?: No
Weather: Clear and dry

Vehicle Classifications: Regular Vehicles
Buses
Articulated Trucks
Cube Trucks
Dump Trucks
Emergency Trucks
Garbage Trucks
Logging Trucks
RVs
Utility Trucks

This data is for All Vehicles Combined

Shift	Start	End	Duration
AM	7:00	12:00	5.00
MD	12:00	15:00	3.00
PM			
Total	**7:00**		**8.00**

Notes: 24-hour clock used for reporting (15-minute increments)
North Approach - southbound vehicles approaching intersection from the north
15x4 - 15 min volume (from maximum 15 minute period of movement/approach in peak hour period [*]) x 4
Pedestrians - N indicates pedestrians crossing north approach (east/west)

Comments:

Survey Data
All Vehicles Combined

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak	Crosswalks			
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E
7:00	1	8	0	**9**	0	12	0	**12**	0	0	0	**0**	0	0	0	**0**	**21**			0	1	1	1
7:15	1	15	0	**16**	0	16	0	**16**	1	1	0	**2**	0	1	2	**3**	**37**			0	0	0	0
7:30	2	13	0	**15**	0	25	0	**25**	0	0	0	**0**	1	0	1	**2**	**42**			1	0	0	1
7:45	1	12	0	**13**	0	16	0	**16**	1	0	1	**2**	0	0	4	**4**	**35**	135		0	0	1	2
8:00	1	8	0	**9**	1	27	1	**29**	1	0	2	**3**	0	0	1	**1**	**42**	156		0	1	1	1
8:15	4	23	0	**27**	3	27	0	**30**	0	0	1	**1**	1	0	1	**2**	**60**	179		0	1	0	0
8:30	3	20	1	**24**	2	38	1	**41**	1	0	0	**1**	0	1	2	**3**	**69**	206		0	0	1	1
8:45	2	25	0	**27**	1	30	1	**32**	0	0	1	**1**	0	1	6	**7**	**67**	238		1	0	1	2
9:00	7	20	2	**29**	2	30	1	**33**	0	1	1	**2**	0	0	2	**2**	**66**	262		2	1	1	1
9:15	6	18	2	**26**	4	26	1	**31**	1	0	1	**2**	1	0	8	**9**	**68**	270		1	0	1	5
9:30	2	19	5	**26**	1	21	1	**23**	4	0	4	**8**	2	0	5	**7**	**64**	265		0	0	0	5
9:45	4	25	2	**31**	3	35	1	**39**	1	2	0	**3**	2	1	9	**12**	**85**	283		1	1	1	1
10:00	0	24	4	**28**	1	28	3	**32**	1	1	1	**3**	0	0	9	**9**	**72**	289		1	0	2	1
10:15	3	24	6	**33**	2	32	1	**35**	2	0	2	**4**	0	1	8	**9**	**81**	302	*	1	0	0	3
10:30	2	28	0	**30**	1	31	2	**34**	6	1	0	**7**	2	0	8	**10**	**81**	319	*	0	1	1	0
10:45	9	24	2	**35**	1	34	1	**36**	0	1	0	**1**	0	0	8	**8**	**80**	314	*	0	2	2	1
11:00	9	23	3	**35**	0	39	0	**39**	5	0	1	**6**	2	3	10	**15**	**95**	337	+	0	0	0	1
11:15	7	22	3	**32**	1	18	0	**19**	2	1	1	**4**	0	1	10	**11**	**66**	322		0	0	1	1
11:30	5	27	2	**34**	0	23	1	**24**	2	1	1	**4**	1	0	10	**11**	**73**	314		3	0	1	0
11:45	2	31	2	**35**	2	37	4	**43**	0	1	1	**2**	0	2	6	**8**	**88**	322		0	0	1	0
Total	71	409	34	**514**	25	545	19	**589**	28	10	18	**56**	12	11	110	**133**	**1292**			11	8	16	27
12:00	2	18	2	**22**	1	28	1	**30**	1	1	5	**7**	3	1	10	**14**	**73**			2	1	3	2
12:15	5	28	3	**36**	3	25	1	**29**	2	1	0	**3**	0	0	6	**6**	**74**			2	1	2	1
12:30	6	29	1	**36**	2	34	2	**38**	1	2	0	**3**	0	0	4	**4**	**81**			1	1	1	2
12:45	7	22	5	**34**	3	42	2	**47**	1	3	3	**7**	4	1	5	**10**	**98**	326		3	0	0	2
13:00	4	25	3	**32**	2	36	4	**42**	3	0	0	**3**	1	0	6	**7**	**84**	337		1	0	0	3
13:15	11	30	2	**43**	2	31	3	**36**	1	1	2	**4**	1	0	7	**8**	**91**	354		0	1	0	0
13:30	4	28	4	**36**	1	29	1	**31**	2	3	3	**8**	0	0	9	**9**	**84**	357		0	2	3	1
13:45	5	30	1	**36**	0	48	2	**50**	1	1	5	**7**	0	2	6	**8**	**101**	360	+	1	1	0	0
14:00	6	26	0	**32**	3	33	0	**36**	3	0	0	**3**	2	1	12	**15**	**86**	362	*	2	0	1	1
14:15	6	19	4	**29**	2	51	1	**54**	2	1	1	**4**	2	0	10	**12**	**99**	370	*	0	2	7	8
14:30	5	30	2	**37**	0	33	2	**35**	3	1	0	**4**	0	0	10	**10**	**86**	372	*	0	1	6	0
14:45	5	28	3	**36**	3	35	2	**40**	0	1	1	**2**	1	2	9	**12**	**90**	361		0	2	1	4
n/a																							
n/a																							
n/a																							
n/a																							
Total	66	313	30	**409**	22	425	21	**468**	20	15	20	**55**	14	7	94	**115**	**1047**			12	12	24	24
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
n/a																							
Total																							

AM Peak Period
All Vehicles Combined

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

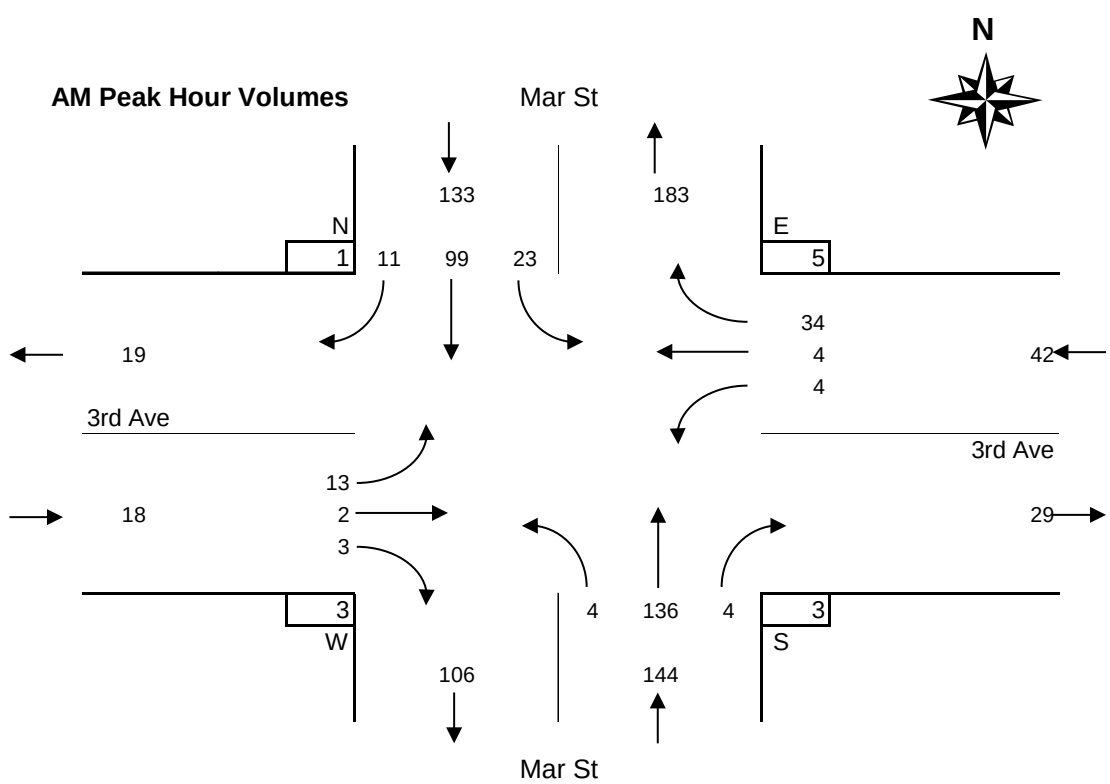
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak	Crosswalks				Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
7:00	1	8	0	9	0	12	0	12	0	0	0	0	0	0	0	0	21			0	1	1	1	13	
7:15	1	15	0	16	0	16	0	16	1	1	0	2	0	1	2	3	37			0	0	0	0	21	
7:30	2	13	0	15	0	25	0	25	0	0	0	0	1	0	1	2	42			1	0	0	1	28	
7:45	1	12	0	13	0	16	0	16	1	0	1	2	0	0	4	4	35	135		0	0	1	2	22	84
8:00	1	8	0	9	1	27	1	29	1	0	2	3	0	0	1	1	42	156		0	1	1	1	31	102
8:15	4	23	0	27	3	27	0	30	0	0	1	1	1	0	1	2	60	179		0	1	0	0	33	114
8:30	3	20	1	24	2	38	1	41	1	0	0	1	0	1	2	3	69	206		0	0	1	1	46	132
8:45	2	25	0	27	1	30	1	32	0	0	1	1	0	1	6	7	67	238		1	0	1	2	40	150
9:00	7	20	2	29	2	30	1	33	0	1	1	2	0	0	2	2	66	262		2	1	1	1	40	159
9:15	6	18	2	26	4	26	1	31	1	0	1	2	1	0	8	9	68	270		1	0	1	5	42	168
9:30	2	19	5	26	1	21	1	23	4	0	4	8	2	0	5	7	64	265		0	0	0	5	34	156
9:45	4	25	2	31	3	35	1	39	1	2	0	3	2	1	9	12	85	283		1	1	1	1	51	167
10:00	0	24	4	28	1	28	3	32	1	1	1	3	0	0	9	9	72	289		1	0	2	1	41	168
10:15	3	24	6	33	2	32	1	35	2	0	2	4	0	1	8	9	81	302	*	1	0	0	3	47	173
10:30	2	28	0	30	1	31	2	34	6	1	0	7	2	0	8	10	81	319	*	0	1	1	0	49	188
10:45	9	24	2	35	1	34	1	36	0	1	0	1	0	0	8	8	80	314	*	0	2	2	1	52	189
11:00	9	23	3	35	0	39	0	39	5	0	1	6	2	3	10	15	95	337	+	0	0	0	1	66	214
11:15	7	22	3	32	1	18	0	19	2	1	1	4	0	1	10	11	66	322		0	0	1	1	39	206
11:30	5	27	2	34	0	23	1	24	2	1	1	4	1	0	10	11	73	314		3	0	1	0	41	198
11:45	2	31	2	35	2	37	4	43	0	1	1	2	0	2	6	8	88	322		0	0	1	0	51	197
Total	71	409	34	**514**	25	545	19	**589**	28	10	18	**56**	12	11	110	**133**	1292			11	8	16	27		784
Avg Hr	14	82	7	**103**	5	109	4	**118**	6	2	4	**11**	2	2	22	**27**	258			2	2	3	5		

Peak hour of the intersection

Pk Hr	23	99	11	133	4	136	4	144	13	2	3	18	4	4	34	42	337	*		1	3	3	5		214
15x4	36	112	24	140	8	156	8	156	24	4	8	28	8	12	40	60	380	+		4	8	8	12		276
PHF	0.64	0.88	0.46	**0.95**	0.50	0.87	0.50	**0.92**	0.54	0.50	0.38	**0.64**	0.50	0.33	0.85	**0.70**	0.89			0.25	0.38	0.38	0.42		0.78

Peak hour of conflicting volumes for the intersection

Pk Hr	23	99	11	133	4	136	4	144	13	2	3	18	4	4	34	42	337	*		1	3	3	5		214
15x4	36	112	24	140	8	156	8	156	24	4	8	28	8	12	40	60	380	+		4	8	8	12		276
PHF	0.64	0.88	0.46	**0.95**	0.50	0.87	0.50	**0.92**	0.54	0.50	0.38	**0.64**	0.50	0.33	0.85	**0.70**	0.89			0.25	0.38	0.38	0.42		0.78



MD Peak Period
All Vehicles Combined

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak	Crosswalks				Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
12:00	2	18	2	22	1	28	1	30	1	1	5	7	3	1	10	14	73			2	1	3	2	43	
12:15	5	28	3	36	3	25	1	29	2	1	0	3	0	0	6	6	74			2	1	2	1	42	
12:30	6	29	1	36	2	34	2	38	1	2	0	3	0	0	4	4	81			1	1	1	2	47	
12:45	7	22	5	34	3	42	2	47	1	3	3	7	4	1	5	10	98	326		3	0	0	2	61	193
13:00	4	25	3	32	2	36	4	42	3	0	0	3	1	0	6	7	84	337		1	0	0	3	53	203
13:15	11	30	2	43	2	31	3	36	1	1	2	4	1	0	7	8	91	354		0	1	0	0	53	214
13:30	4	28	4	36	1	29	1	31	2	3	3	8	0	0	9	9	84	357		0	2	3	1	45	212
13:45	5	30	1	36	0	48	2	50	1	1	5	7	0	2	6	8	101	360	+	1	1	0	0	64	215
14:00	6	26	0	32	3	33	0	36	3	0	0	3	2	1	12	15	86	362	*	2	0	1	1	55	217
14:15	6	19	4	29	2	51	1	54	2	1	1	4	2	0	10	12	99	370	*	0	2	7	8	70	234
14:30	5	30	2	37	0	33	2	35	3	1	0	4	0	0	10	10	86	372	*	0	1	6	0	53	242
14:45	5	28	3	36	3	35	2	40	0	1	1	2	1	2	9	12	90	361		0	2	1	4	53	231
n/a																									
n/a																									
n/a																									
n/a																									
Total	66	313	30	**409**	22	425	21	**468**	20	15	20	**55**	14	7	94	**115**	1047			12	12	24	24		633
Avg Hr	22	104	10	**136**	7	142	7	**156**	7	5	7	**18**	5	2	31	**38**	349			4	4	8	8		

Peak hour of the intersection

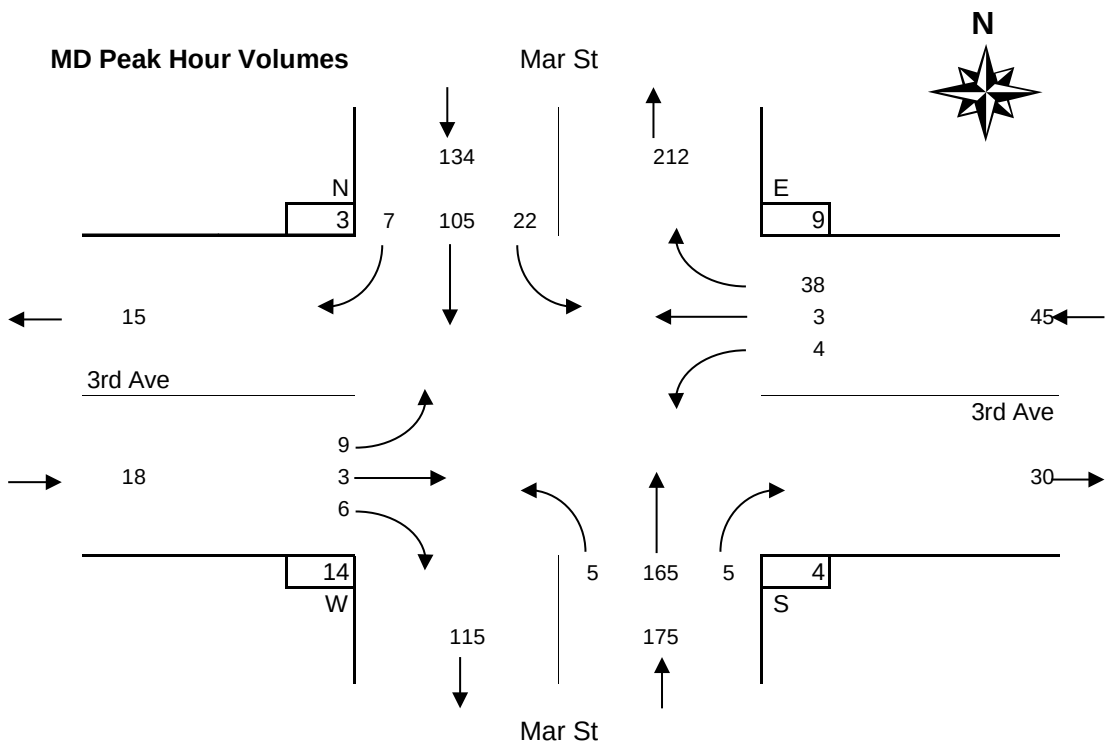
Pk Hr	22	105	7	134	5	165	5	175	9	3	6	18	4	3	38	45	372	*		3	4	14	9		242
15x4	24	120	16	148	12	204	8	216	12	4	20	28	8	8	48	60	404	+		8	8	28	32		304
PHF	0.92	0.88	0.44	**0.91**	0.42	0.81	0.63	**0.81**	0.75	0.75	0.30	**0.64**	0.50	0.38	0.79	**0.75**	0.92			0.38	0.50	0.50	0.28		0.80

Peak hour of conflicting volumes for the intersection

Pk Hr	22	105	7	134	5	165	5	175	9	3	6	18	4	3	38	45	372	*		3	4	14	9		242
15x4	24	120	16	148	12	204	8	216	12	4	20	28	8	8	48	60	404	+		8	8	28	32		304
PHF	0.92	0.88	0.44	**0.91**	0.42	0.81	0.63	**0.81**	0.75	0.75	0.30	**0.64**	0.50	0.38	0.79	**0.75**	0.92			0.38	0.50	0.50	0.28		0.80

** Calculated peak hour occurs during the first or last hour of shift and therefore may be invalid. **

MD Peak Hour Volumes



PM Peak Period
All Vehicles Combined

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

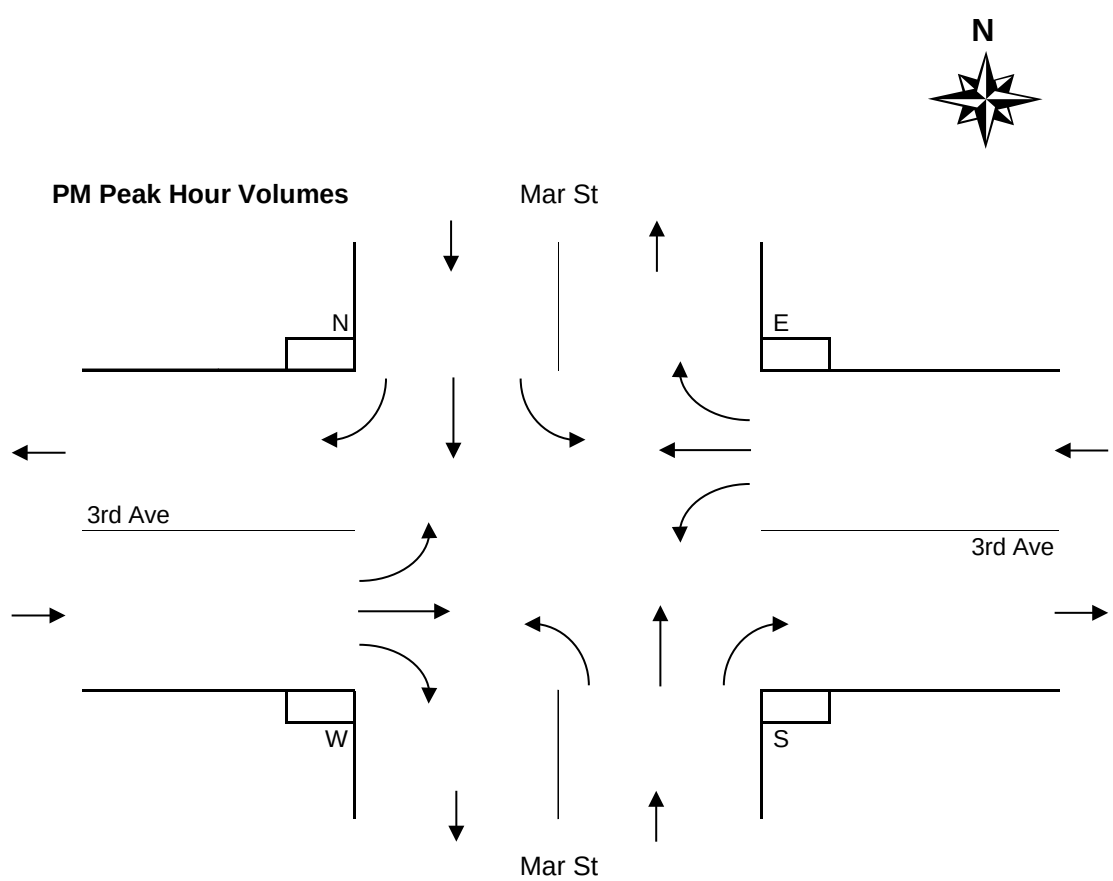
Time Period Begins	Mar St NORTH Approach				Mar St SOUTH Approach				3rd Ave WEST Approach				3rd Ave EAST Approach				Total Volume		Peak	Crosswalks				Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
n/a																									
Total																									0
Avg Hr																									

Peak hour of the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a

Peak hour of conflicting volumes for the intersection

Pk Hr																		*							0
15x4																		+							0
PHF																									n/a



Period Hourly Averages
All Vehicles Combined

3rd Avenue @ Mar Street
Tuesday, September 26, 2017

Entire Survey Period
8 Hours

	Mar St				Mar St				3rd Ave				3rd Ave				Total	Crosswalks			
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Volume				
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total		N	S	W	E
Total	137	722	64	**923**	47	970	40	**1057**	48	25	38	**111**	26	18	204	**248**	2339	23	20	40	51
Avg Hr	17	90	8	**115**	6	121	5	**132**	6	3	5	**14**	3	2	26	**31**	292	3	3	5	6

AM Peak Period
5 Hours

	Mar St				Mar St				3rd Ave				3rd Ave				Total	Crosswalks			
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Volume				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total		N	S	W	E
Period	71	409	34	**514**	25	545	19	**589**	28	10	18	**56**	12	11	110	**133**	1292	11	8	16	27
Avg Hr	14	82	7	**103**	5	109	4	**118**	6	2	4	**11**	2	2	22	**27**	258	2	2	3	5

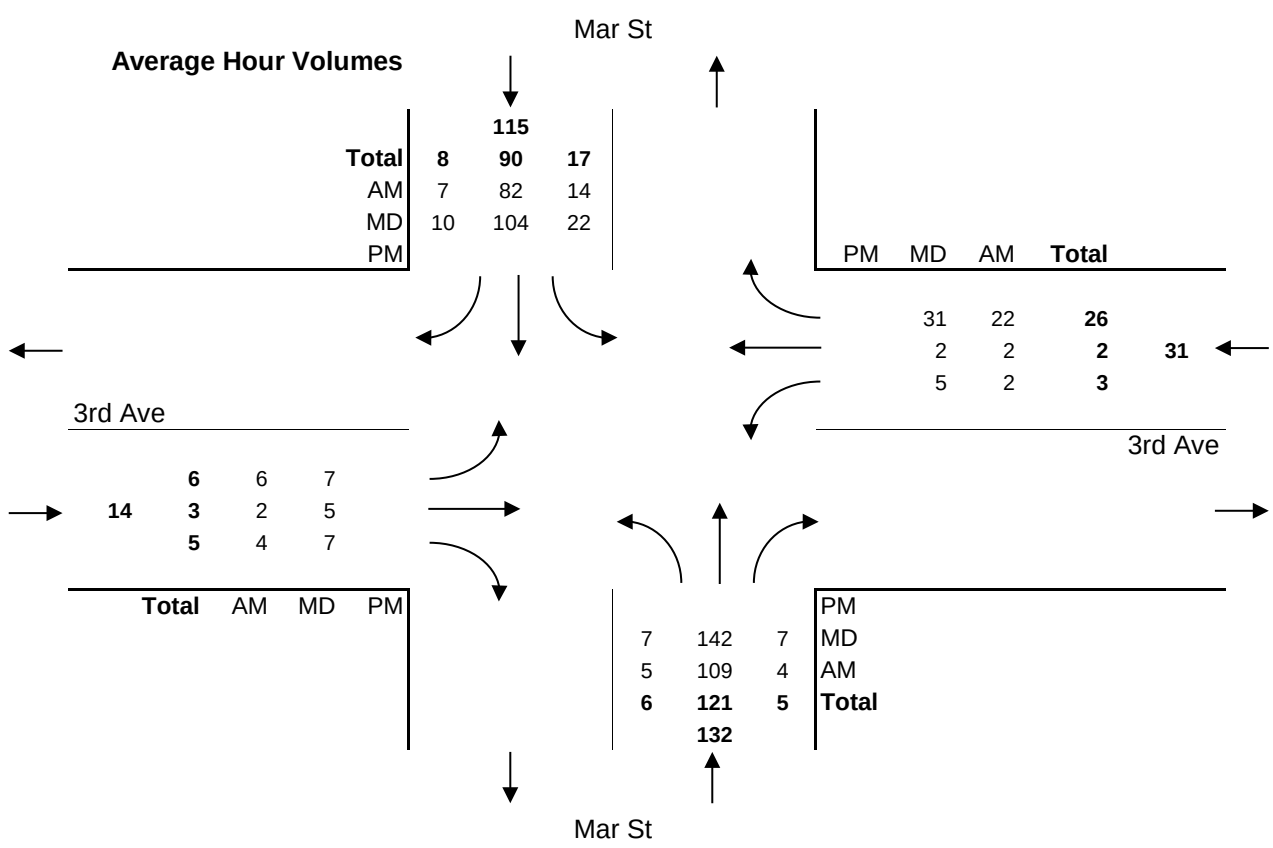
MD Peak Period
3 Hours

	Mar St				Mar St				3rd Ave				3rd Ave				Total	Crosswalks			
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Volume				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total		N	S	W	E
Total	66	313	30	**409**	22	425	21	**468**	20	15	20	**55**	14	7	94	**115**	1047	12	12	24	24
Avg Hr	22	104	10	**136**	7	142	7	**156**	7	5	7	**18**	5	2	31	**38**	349	4	4	8	8

PM Peak Period
Hours

	Mar St				Mar St				3rd Ave				3rd Ave				Total	Crosswalks			
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				Volume				
Totals	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total		N	S	W	E
Total																					
Avg Hr																					

Average Hour Volumes



Data summarized for input into Synchro/HCS

All Vehicles Combined

AM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	13	2	3	4	4	34	4	136	4	23	99	11
Peak Hour Factor	0.54	0.50	0.38	0.50	0.33	0.85	0.50	0.87	0.50	0.64	0.88	0.46
Total Volume	28	10	18	12	11	110	25	545	19	71	409	34
% of Total Vehicles	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

MD

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	9	3	6	4	3	38	5	165	5	22	105	7
Peak Hour Factor	0.75	0.75	0.30	0.50	0.38	0.79	0.42	0.81	0.63	0.92	0.88	0.44
Total Volume	20	15	20	14	7	94	22	425	21	66	313	30
% of Total Vehicles	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

PM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)												
Peak Hour Factor												
Total Volume												
% of Total Vehicles	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Regular Vehicles

AM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	12	2	3	4	4	34	2	120	4	22	83	10
Peak Hour Factor	0.60	0.50	0.38	0.50	0.33	0.85	0.50	0.83	0.50	0.61	0.90	0.50
Total Volume	26	10	15	11	10	107	20	482	19	68	343	32
% of Total Vehicles	93%	100%	83%	92%	91%	97%	80%	88%	100%	96%	84%	94%

MD

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	8	3	5	4	3	38	5	153	4	22	93	7
Peak Hour Factor	0.67	0.75	0.31	0.50	0.38	0.79	0.42	0.81	0.50	0.92	0.83	0.44
Total Volume	19	15	18	14	7	92	19	394	20	65	283	30
% of Total Vehicles	95%	100%	90%	100%	100%	98%	86%	93%	95%	98%	90%	100%

PM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)												
Peak Hour Factor												
Total Volume												
% of Total Vehicles	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Buses

AM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	0	0	0	0	0	0	0	1	0	0	0	0
Peak Hour Factor	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.25	n/a	n/a	n/a	n/a
Total Volume	0	0	0	0	1	0	0	10	0	0	2	0
% of Total Vehicles	0%	0%	0%	0%	9%	0%	0%	2%	0%	0%	0%	0%

MD

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	0	0	0	0	0	0	0	1	0	0	0	0
Peak Hour Factor	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.25	n/a	n/a	n/a	n/a
Total Volume	0	0	0	0	0	0	1	5	0	1	0	0
% of Total Vehicles	0%	0%	0%	0%	0%	0%	5%	1%	0%	2%	0%	0%

PM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)												
Peak Hour Factor												
Total Volume												
% of Total Vehicles	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Articulated Trucks

AM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	0	0	0	0	0	0	0	2	0	0	3	0
Peak Hour Factor	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.50	n/a	n/a	0.38	n/a
Total Volume	0	0	0	0	0	0	0	7	0	0	10	0
% of Total Vehicles	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	2%	0%

MD

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	0	0	0	0	0	0	0	1	0	0	2	0
Peak Hour Factor	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.25	n/a	n/a	0.50	n/a
Total Volume	0	0	1	0	0	0	0	5	0	0	2	0
% of Total Vehicles	0%	0%	5%	0%	0%	0%	0%	1%	0%	0%	1%	0%

PM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)												
Peak Hour Factor												
Total Volume												
% of Total Vehicles	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Cube Trucks

AM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	0	0	0	0	0	0	1	2	0	1	2	0

Peak Hour Factor	n/a	n/a	n/a	n/a	n/a	n/a	0.25	0.50	n/a	0.25	0.50	n/a
Total Volume	1	0	0	1	0	1	1	3	0	2	6	0
% of Total Vehicles	4%	0%	0%	8%	0%	1%	4%	1%	0%	3%	1%	0%

MD

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	1	0	0	0	0	0	0	0	1	0	1	0
Peak Hour Factor	0.25	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.25	n/a	0.25	n/a
Total Volume	1	0	0	0	0	1	1	0	1	0	3	0
% of Total Vehicles	5%	0%	0%	0%	0%	1%	5%	0%	5%	0%	1%	0%

PM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)												
Peak Hour Factor												
Total Volume												
% of Total Vehicles	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Dump Trucks

AM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	0	0	0	0	0	0	0	3	0	0	4	0
Peak Hour Factor	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.38	n/a	n/a	0.33	n/a
Total Volume	0	0	0	0	0	0	1	13	0	0	12	0
% of Total Vehicles	0%	0%	0%	0%	0%	0%	4%	2%	0%	0%	3%	0%

MD

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	0	0	0	0	0	0	0	3	0	0	2	0
Peak Hour Factor	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.38	n/a	n/a	0.50	n/a
Total Volume	0	0	0	0	0	0	0	6	0	0	6	0
% of Total Vehicles	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	2%	0%

PM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)												
Peak Hour Factor												
Total Volume												
% of Total Vehicles	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Emergency Trucks

AM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	0	0	0	0	0	0	0	0	0	0	0	0
Peak Hour Factor	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0
% of Total Vehicles	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

MD

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	0	0	0	0	0	0	0	0	0	0	0	0
Peak Hour Factor	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0
% of Total Vehicles	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

PM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)												
Peak Hour Factor												
Total Volume												
% of Total Vehicles	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Garbage Trucks

AM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	0	0	0	0	0	0	0	0	0	0	0	0
Peak Hour Factor	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Volume	0	0	0	0	0	0	0	1	0	0	0	0
% of Total Vehicles	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

MD

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	0	0	1	0	0	0	0	0	0	0	0	0
Peak Hour Factor	n/a	n/a	0.25	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Volume	0	0	1	0	0	0	0	0	0	0	0	0
% of Total Vehicles	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%

PM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)												
Peak Hour Factor												
Total Volume												
% of Total Vehicles	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Logging Trucks

AM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	0	0	0	0	0	0	0	6	0	0	2	0
Peak Hour Factor	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.75	n/a	n/a	0.50	n/a
Total Volume	0	0	0	0	0	0	1	17	0	0	18	0
% of Total Vehicles	0%	0%	0%	0%	0%	0%	4%	3%	0%	0%	4%	0%

MD

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	0	0	0	0	0	0	0	3	0	0	4	0
Peak Hour Factor	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.38	n/a	n/a	0.33	n/a

Total Volume	0	0	0	0	0	0	0	6	0	0	11	0
% of Total Vehicles	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	4%	0%

PM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)												
Peak Hour Factor												
Total Volume												
% of Total Vehicles	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

RVs

AM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	1	0	0	0	0	0	0	0	0	0	0	0
Peak Hour Factor	0.25	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Volume	1	0	0	0	0	0	0	0	0	0	1	0
% of Total Vehicles	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

MD

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	0	0	0	0	0	0	0	0	0	0	0	0
Peak Hour Factor	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Volume	0	0	0	0	0	0	0	1	0	0	1	0
% of Total Vehicles	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

PM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)												
Peak Hour Factor												
Total Volume												
% of Total Vehicles	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Utility Trucks

AM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	0	0	0	0	0	0	1	2	0	0	5	1
Peak Hour Factor	n/a	n/a	n/a	n/a	n/a	n/a	0.25	0.50	n/a	n/a	0.63	0.25
Total Volume	0	0	3	0	0	2	2	12	0	1	17	2
% of Total Vehicles	0%	0%	17%	0%	0%	2%	8%	2%	0%	1%	4%	6%

MD

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)	0	0	0	0	0	0	0	4	0	0	3	0
Peak Hour Factor	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.00	n/a	n/a	0.38	n/a
Total Volume	0	0	0	0	0	1	1	8	0	0	7	0
% of Total Vehicles	0%	0%	0%	0%	0%	1%	5%	2%	0%	0%	2%	0%

PM

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (vph)												
Peak Hour Factor												
Total Volume												
% of Total Vehicles	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a