

# Mckenzie Avenue @ Burnside Road

Tuesday, April 02, 2019



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**Major Route:** Mckenzie Avenue  
**Minor Route:** Burnside Road  
**Municipality:** Saanich  
**Filename:** Mckenzie Ave @ Burnside Rd-Apr 2, 2019.xlsx  
**Location #:** TIN001202  
**Count ID:** 2019020  
**Date:** April 2, 2019  
**Day-of-week:** Tuesday

**East/West Route:** Mckenzie Avenue  
**Intersection Type:** 4-leg  
**Signalized?:** Yes  
**Weather:** Overcast and dry

**Vehicle Classifications:** Vehicles and Peds  
 Bikes

**This data is for Vehicles and Peds**

Shift	Start	End	Duration
AM	7:30	9:30	2.00
MD			
PM	15:30	18:30	3.00
<b>Total</b>	<b>7:30</b>	<b>18:30</b>	<b>5.00</b>

**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:**



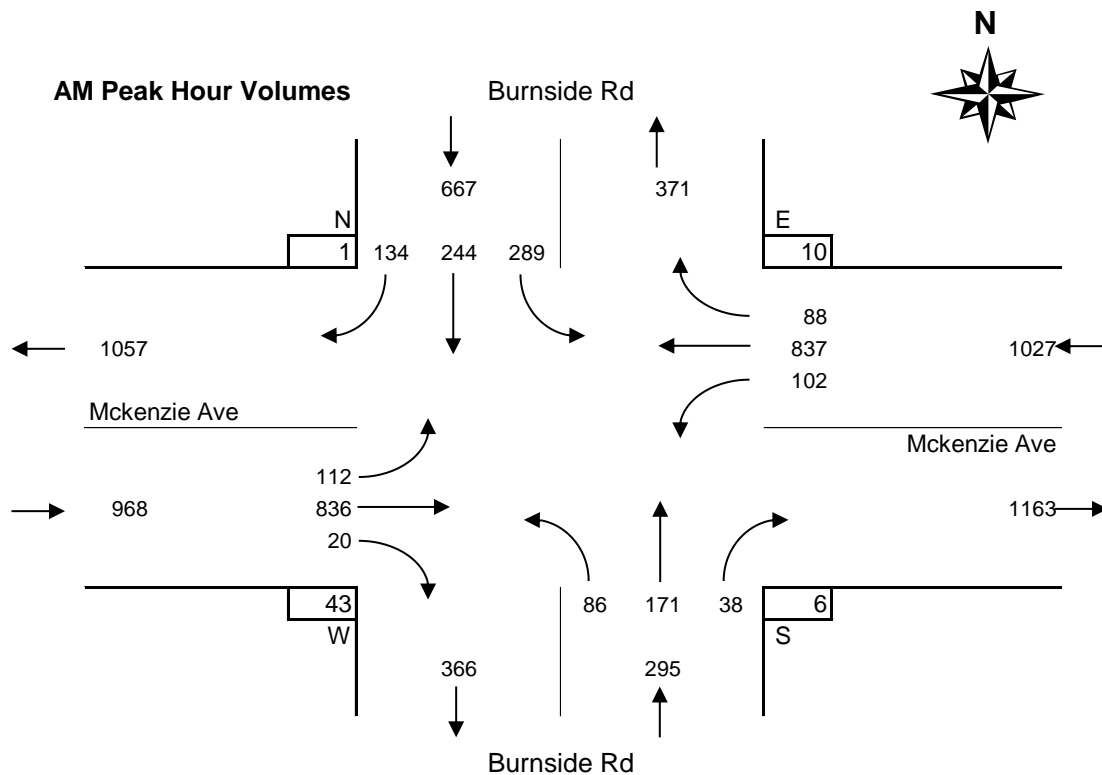
Time Period Begins	Burnside Rd NORTH Approach				Burnside Rd SOUTH Approach				Mckenzie Ave WEST Approach				Mckenzie Ave EAST Approach				Total Volume		Veh/ Ped	Crosswalks				Conflict	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour		N	S	W	E	15 min	Hr
	7:30	89	75	24	188	17	19	8	44	13	168	1	182	16	171	18	205	619			0	0	0	0	318
7:45	80	69	20	169	13	22	9	44	23	200	3	226	29	208	16	253	692		0	0	3	5	358		
8:00	82	73	24	179	20	37	7	64	25	219	6	250	17	198	28	243	736	*	0	0	8	2	377		
8:15	60	44	33	137	24	66	13	103	43	182	6	231	35	198	20	253	724	2771	*	0	0	15	2	400	1453
8:30	73	53	36	162	16	43	10	69	30	229	4	263	31	206	34	271	765	2917	+	1	5	14	5	396	1531
8:45	74	74	41	189	26	25	8	59	14	206	4	224	19	235	6	260	732	2957	*	0	1	6	1	396	1569
9:00	75	50	24	149	19	17	8	44	14	201	2	217	27	205	5	237	647	2868		0	0	0	1	330	1522
9:15	50	28	16	94	17	20	4	41	13	207	4	224	28	209	6	243	602	2746		0	0	0	0	313	1435
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<b>Total</b>	<b>583</b>	<b>466</b>	<b>218</b>	<b>1267</b>	<b>152</b>	<b>249</b>	<b>67</b>	<b>468</b>	<b>175</b>	<b>1612</b>	<b>30</b>	<b>1817</b>	<b>202</b>	<b>1630</b>	<b>133</b>	<b>1965</b>	<b>5517</b>			<b>1</b>	<b>6</b>	<b>46</b>	<b>16</b>	<b>2837</b>	
<b>Avg Hr</b>	<b>292</b>	<b>233</b>	<b>109</b>	<b>634</b>	<b>76</b>	<b>125</b>	<b>34</b>	<b>234</b>	<b>88</b>	<b>806</b>	<b>15</b>	<b>909</b>	<b>101</b>	<b>815</b>	<b>67</b>	<b>983</b>	<b>2759</b>			<b>1</b>	<b>3</b>	<b>23</b>	<b>8</b>		

**Peak hour of the intersection**

Pk Hr	289	244	134	667	86	171	38	295	112	836	20	968	102	837	88	1027	2957	*	1	6	43	10	1535
15x4	328	296	164	756	104	264	52	412	172	916	24	1052	140	940	136	1084	3060	+	4	20	60	20	1892
PHF	0.88	0.82	0.82	<b>0.88</b>	0.83	0.65	0.73	<b>0.72</b>	0.65	0.91	0.83	<b>0.92</b>	0.73	0.89	0.65	<b>0.95</b>	0.97		0.25	0.30	0.72	0.50	0.81

**Peak hour of conflicting volumes for the intersection**

Pk Hr	289	244	134	667	86	171	38	295	112	836	20	968	102	837	88	1027	2957	*	1	6	43	10	1535
15x4	328	296	164	756	104	264	52	412	172	916	24	1052	140	940	136	1084	3060	+	4	20	60	20	1892
PHF	0.88	0.82	0.82	<b>0.88</b>	0.83	0.65	0.73	<b>0.72</b>	0.65	0.91	0.83	<b>0.92</b>	0.73	0.89	0.65	<b>0.95</b>	0.97		0.25	0.30	0.72	0.50	0.81



Time Period Begins	Burnside Rd NORTH Approach				Burnside Rd SOUTH Approach				Mckenzie Ave WEST Approach				Mckenzie Ave EAST Approach				Total Volume		MOD	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
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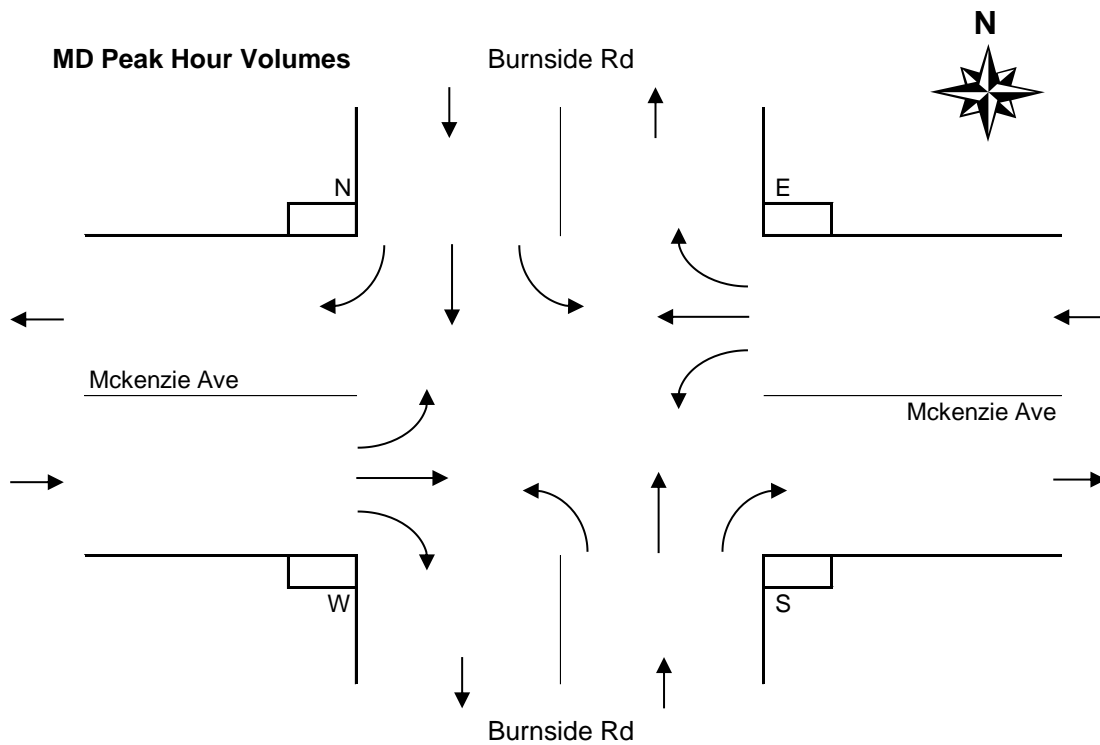
Total																							
Avg Hr																							

**Peak hour of the intersection**

Pk Hr																							
15x4																							
PHF																							

**Peak hour of conflicting volumes for the intersection**

Pk Hr																							
15x4																							
PHF																							



Time Period Begins	Burnside Rd NORTH Approach				Burnside Rd SOUTH Approach				Mckenzie Ave WEST Approach				Mckenzie Ave EAST Approach				Total Volume		Pedestrians	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
	15:30	25	26	65	116	77	26	7	110	8	136	1	145	6	255	6	267	638			0	0	12	1	437
15:45	29	9	111	149	80	26	9	115	5	188	5	198	10	223	4	237	699		0	0	1	4	432		
16:00	16	10	83	109	94	18	11	123	6	205	3	214	7	255	8	270	716		0	5	5	0	456		
16:15	23	8	93	124	106	23	3	132	7	168	2	177	9	229	8	246	679	2732	0	0	1	0	451	1776	
16:30	18	11	73	102	74	23	4	101	9	129	3	141	10	192	4	206	550	2644	1	0	2	0	363	1702	
16:45	10	13	81	104	71	16	4	91	7	191	2	200	8	204	5	217	612	2557	3	2	2	4	381	1651	
17:00	13	11	86	110	100	26	6	132	4	206	3	213	7	225	1	233	688	2529*	2	0	2	4	427	1622	
17:15	17	10	120	147	90	21	13	124	10	197	3	210	10	204	6	220	701	2551*	0	0	0	0	440	1611	
17:30	12	9	106	127	91	20	8	119	8	180	3	191	12	250	4	266	703	2704+	0	0	1	0	468	1716	
17:45	21	20	91	132	88	20	6	114	8	149	0	157	17	242	1	260	663	2755*	0	0	2	0	450	1785	
18:00	15	24	63	102	59	26	10	95	15	115	1	131	18	255	5	278	606	2673	0	0	1	0	421	1779	
18:15	19	13	31	63	44	20	6	70	11	193	3	207	11	273	12	296	636	2608	0	0	0	2	384	1723	
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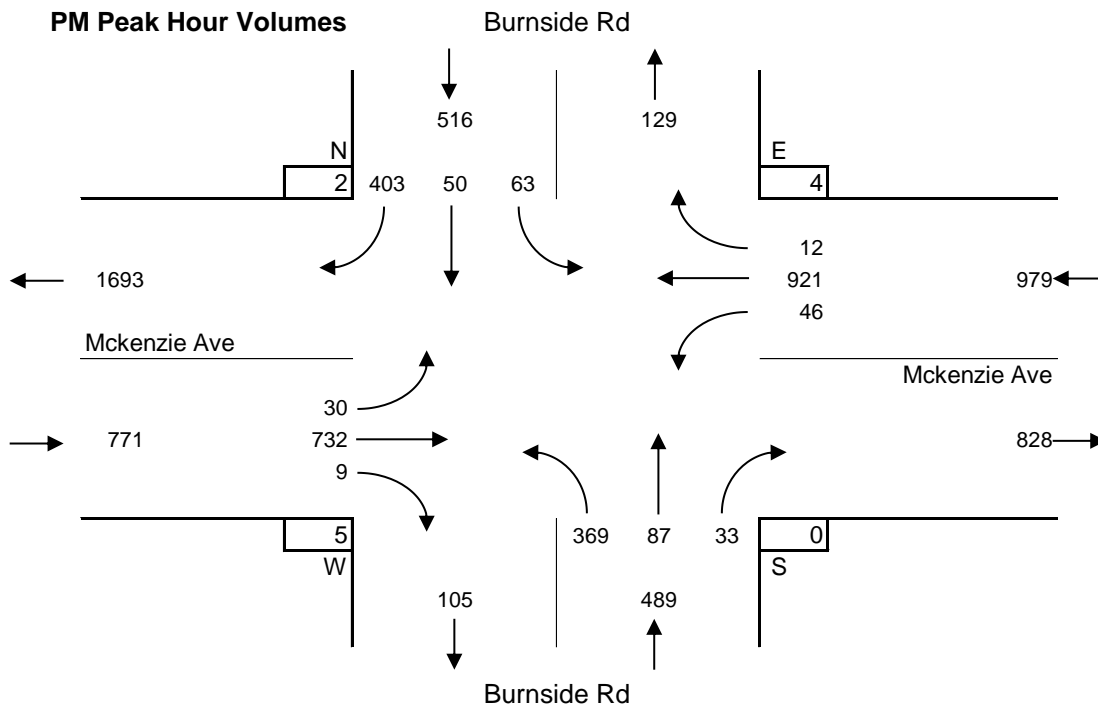
Total	218	164	1003	1385	974	265	87	1326	98	2057	29	2184	125	2807	64	2996	7891		6	7	29	15	5110
Avg Hr	73	55	334	462	325	88	29	442	33	686	10	728	42	936	21	999	2630		2	2	10	5	

Peak hour of the intersection

Pk Hr	63	50	403	516	369	87	33	489	30	732	9	771	46	921	12	979	2755*	2	0	5	4	1785
15x4	84	80	480	588	400	104	52	528	40	824	12	852	68	1000	24	1064	2812+	8	0	8	16	2024
PHF	0.75	0.63	0.84	0.88	0.92	0.84	0.63	0.93	0.75	0.89	0.75	0.90	0.68	0.92	0.50	0.92	0.98	0.25	n/a	0.63	0.25	0.88

Peak hour of conflicting volumes for the intersection

Pk Hr	63	50	403	516	369	87	33	489	30	732	9	771	46	921	12	979	2755*	2	0	5	4	1785
15x4	84	80	480	588	400	104	52	528	40	824	12	852	68	1000	24	1064	2812+	8	0	8	16	2024
PHF	0.75	0.63	0.84	0.88	0.92	0.84	0.63	0.93	0.75	0.89	0.75	0.90	0.68	0.92	0.50	0.92	0.98	0.25	n/a	0.63	0.25	0.88



Entire Survey Period

5 Hours

	Burnside Rd				Burnside Rd				Mckenzie Ave				Mckenzie Ave				Total Volume	Crosswalks			
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach					N	S	W	E
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total					
Total	801	630	1221	2652	1126	514	154	1794	273	3669	59	4001	327	4437	197	4961	13408	7	13	75	31
Avg Hr	160	126	244	530	225	103	31	359	55	734	12	800	65	887	39	992	2682	1	3	15	6

AM Peak Period

2 Hours

	Burnside Rd				Burnside Rd				Mckenzie Ave				Mckenzie Ave				Total Volume	Crosswalks			
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach					N	S	W	E
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total					
Totals	583	466	218	1267	152	249	67	468	175	1612	30	1817	202	1630	133	1965	5517	1	6	46	16
Avg Hr	292	233	109	634	76	125	34	234	88	806	15	909	101	815	67	983	2759	1	3	23	8

MD Peak Period

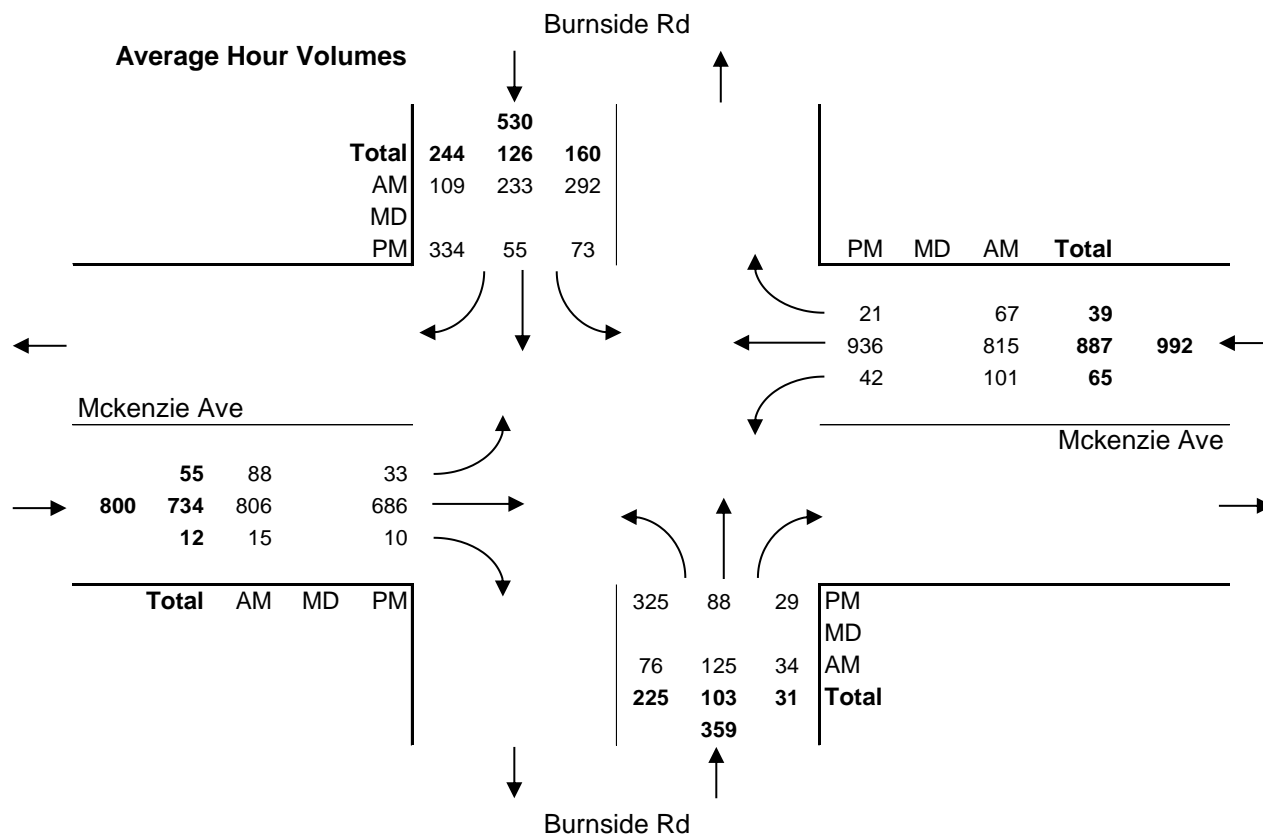
Hours

	Burnside Rd				Burnside Rd				Mckenzie Ave				Mckenzie Ave				Total Volume	Crosswalks				
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach					N	S	W	E	
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total						
Total																						
Avg Hr																						

PM Peak Period

3 Hours

	Burnside Rd				Burnside Rd				Mckenzie Ave				Mckenzie Ave				Total Volume	Crosswalks			
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach					N	S	W	E
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total					
Total	218	164	1003	1385	974	265	87	1326	98	2057	29	2184	125	2807	64	2996	7891	6	7	29	15
Avg Hr	73	55	334	462	325	88	29	442	33	686	10	728	42	936	21	999	2630	2	2	10	5



**Major Route:** Mckenzie Avenue  
**Minor Route:** Burnside Road  
**Municipality:** Saanich  
**Filename:** Mckenzie Ave @ Burnside Rd-Apr 2, 2019.xlsx  
**Location #:** TIN001202  
**Count ID:** 2019020  
**Date:** April 2, 2019  
**Day-of-week:** Tuesday

**East/West Route:** Mckenzie Avenue  
**Intersection Type:** 4-leg  
**Signalized?:** Yes  
**Weather:** Overcast and dry

**Vehicle Classifications:** Vehicles and Peds  
 Bikes

**This data is for Bikes**

Shift	Start	End	Duration
AM	7:30	9:30	2.00
MD			
PM	15:30	18:30	3.00
<b>Total</b>	<b>7:30</b>	<b>18:30</b>	<b>5.00</b>

**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**  
Bikes

**Mckenzie Avenue @ Burnside Road**  
Tuesday, April 2, 2019

Time Period Begins	Burnside Rd NORTH Approach				Burnside Rd SOUTH Approach				Mckenzie Ave WEST Approach				Mckenzie Ave EAST Approach				Total Volume		Day of Week	N	S	W	E
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	15-min	Hour					
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	2	0	2	0	0	0	0	0	1	0	1	0	0	1	1	4			0	0	0	0
8:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1			0	0	0	0
8:15	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	7*		0	0	0	0
8:30	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	9*		0	0	0	0
8:45	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	8*		0	0	0	0
9:00	0	3	0	3	0	1	0	1	0	0	0	0	0	0	0	0	4	11+		0	0	0	0
9:15	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	11		0	0	0	0
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Total	0	14	0	14	0	1	1	2	0	1	0	1	0	0	1	1	18			0	0	0	0

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Total																							

15:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0
15:45	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1		*	0	0	0	0
16:00	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1		*	0	0	0	0
16:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2*		0	0	0	0
16:30	0	0	0	0	0	1	0	1	1	1	0	2	0	1	0	1	4	6+		0	0	0	0
16:45	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	6		0	0	0	0
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5		0	0	0	0
17:15	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6		0	0	0	0
17:30	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	2	4		0	0	0	0
17:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		0	0	0	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		0	0	0	0
18:15	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	2	4		0	0	0	0
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Total	0	0	1	1	0	8	0	8	1	1	0	2	0	1	0	1	12			0	0	0	0



Time Period Begins	Burnside Rd				Burnside Rd				Mckenzie Ave				Mckenzie Ave				Total Volume		Days of Week	Conflict						
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach				15-min	Hour		N	S	W	E	15 min	Hr	
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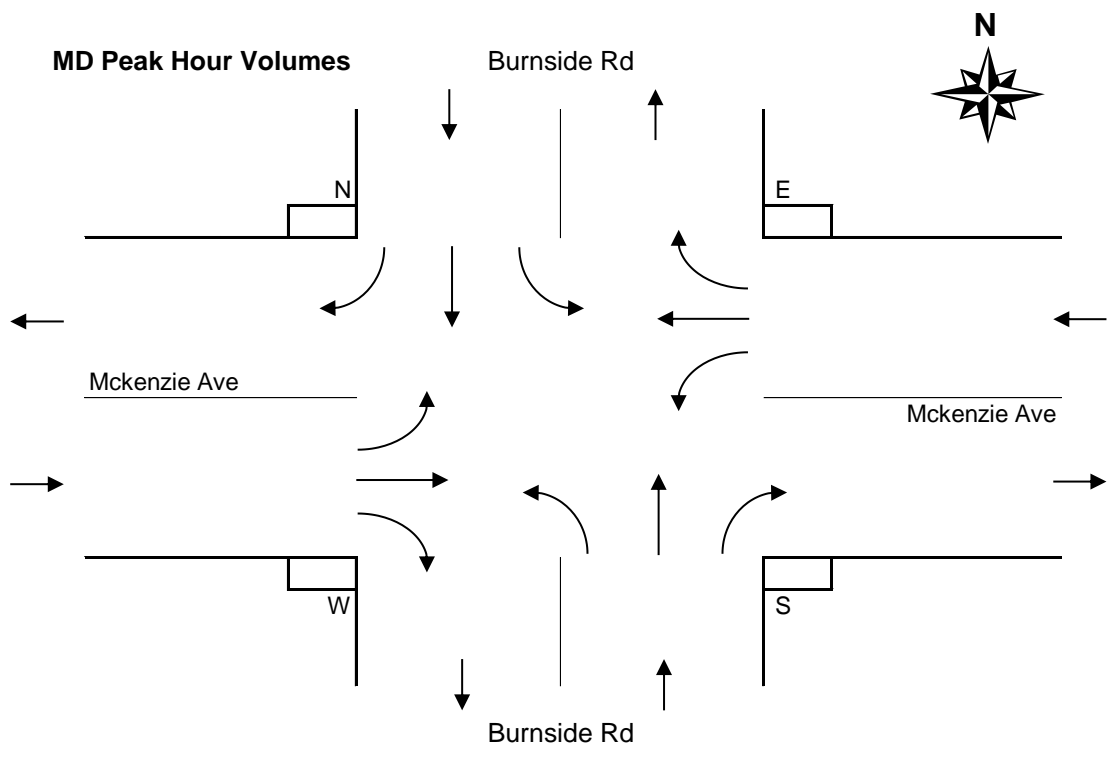
Total																											
Avg Hr																											

**Peak hour of the intersection**

Pk Hr																											
15x4																											
PHF																											

**Peak hour of conflicting volumes for the intersection**

Pk Hr																											
15x4																											
PHF																											



Time Period Begins	Burnside Rd NORTH Approach				Burnside Rd SOUTH Approach				Mckenzie Ave WEST Approach				Mckenzie Ave EAST Approach				Total Volume		Knots	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
15:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15:45	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	*	0	0	0	0	1
16:00	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	*	0	0	0	0	1	
16:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	*	0	0	0	0	2
16:30	0	0	0	0	0	1	0	1	1	1	0	2	0	1	0	1	4	6+	0	0	0	0	3	5
16:45	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	6	0	0	0	0	1	5
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	0	0	0	4
17:15	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	0	1	5
17:30	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	2	4	0	0	0	0	2	4
17:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	3
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	3
18:15	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	2	4	0	0	0	0	2	4
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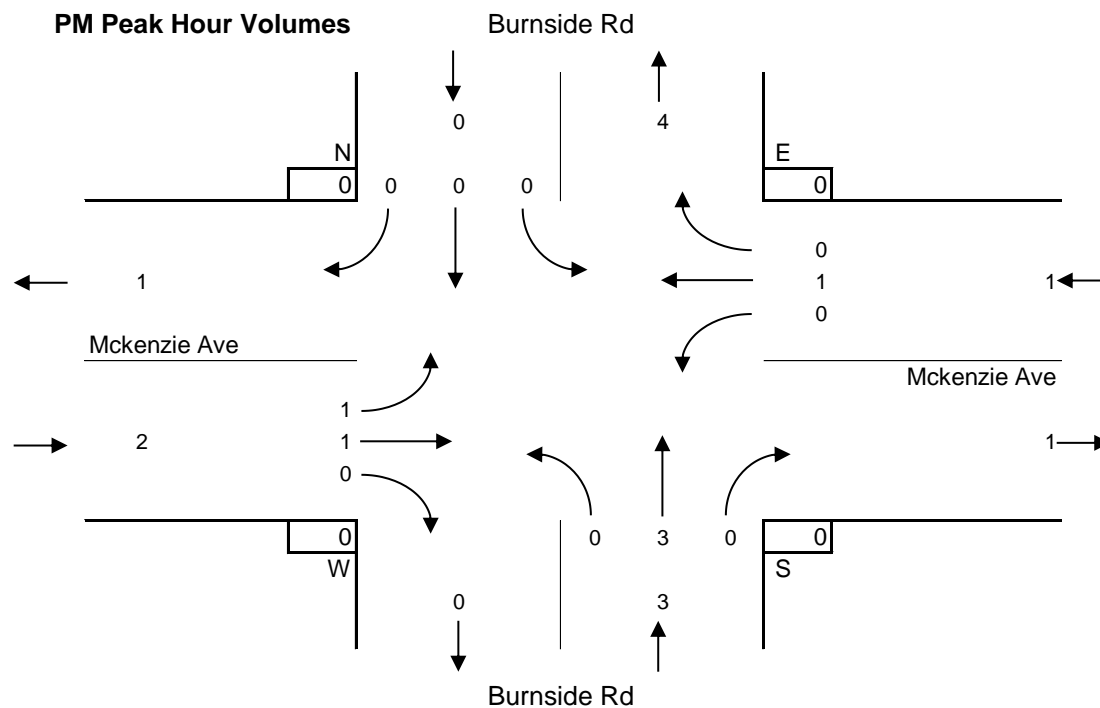
Total	0	0	1	1	0	8	0	8	1	1	0	2	0	1	0	1	12		0	0	0	0		10
Avg Hr	0	0	0	0	0	3	0	3	0	0	0	1	0	0	0	0	4		0	0	0	0		

Peak hour of the intersection

Pk Hr	0	0	0	0	0	3	0	3	1	1	0	2	0	1	0	1	6*		0	0	0	0		5
15x4	0	0	0	0	0	4	0	4	4	4	0	8	0	4	0	4	16+		0	0	0	0		12
PHF	n/a	n/a	n/a	n/a	n/a	0.75	n/a	0.75	0.25	0.25	n/a	0.25	n/a	0.25	n/a	0.25	0.38		n/a	n/a	n/a	n/a		0.42

Peak hour of conflicting volumes for the intersection

Pk Hr	0	0	0	0	0	3	0	3	1	1	0	2	0	1	0	1	6*		0	0	0	0		5
15x4	0	0	0	0	0	4	0	4	4	4	0	8	0	4	0	4	16+		0	0	0	0		12
PHF	n/a	n/a	n/a	n/a	n/a	0.75	n/a	0.75	0.25	0.25	n/a	0.25	n/a	0.25	n/a	0.25	0.38		n/a	n/a	n/a	n/a		0.42



Entire Survey Period

5 Hours

	Burnside Rd				Burnside Rd				Mckenzie Ave				Mckenzie Ave				Total Volume				
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach					N	S	W	E
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total					
Total	0	14	1	15	0	9	1	10	1	2	0	3	0	1	1	2	30	0	0	0	0
Avg Hr	0	3	0	3	0	2	0	2	0	0	0	1	0	0	0	0	6	0	0	0	0

AM Peak Period

2 Hours

	Burnside Rd				Burnside Rd				Mckenzie Ave				Mckenzie Ave				Total Volume				
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach					N	S	W	E
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total					
Totals	0	14	0	14	0	1	1	2	0	1	0	1	0	0	1	1	18	0	0	0	0
Avg Hr	0	7	0	7	0	1	1	1	0	1	0	1	0	0	1	1	9	0	0	0	0

MD Peak Period

Hours

	Burnside Rd				Burnside Rd				Mckenzie Ave				Mckenzie Ave				Total Volume				
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach					N	S	W	E
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total					
Total																					
Avg Hr																					

PM Peak Period

3 Hours

	Burnside Rd				Burnside Rd				Mckenzie Ave				Mckenzie Ave				Total Volume				
	NORTH Approach				SOUTH Approach				WEST Approach				EAST Approach					N	S	W	E
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total					
Totals	0	0	1	1	0	8	0	8	1	1	0	2	0	1	0	1	12	0	0	0	0
Avg Hr	0	0	0	0	0	3	0	3	0	0	0	1	0	0	0	0	4	0	0	0	0

