



Major Road: Richmond Rd
Minor Road: Knight Ave
Municipality: District of Saanich
File Name: 1017730 - Richmond Rd and Knight Ave.xlsx
Location #: TIN001737
Count ID: 2022044
Date: November 23, 2022
Day-of-week: Wednesday

Intersection Type: 3-leg
Signalized: Wednesday
Weather: Overcast, 10°

Vehicle Classification: Car, Trucks, Pedestrian, Bikes

Time of Day	Start	End	Duration
AM	07:30	09:30	02:00
MD	-	-	-
PM	14:00	18:00	04:00
Total	07:30	18:00	06:00

Notes

Comments

Richmond Rd and Knight Ave - TMC

Wed Nov 23, 2022

Full Length (7:30 AM-9:30 AM, 2 PM-6 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 1017730, Location: 48.452829, -123.326571,

Site Code: TIN001737



McElhanney

Provided by: McElhanney Kamloops
710 Laval Crescent, Kamloops, BC, V2C5P3, CA

Leg Direction	Richmond Rd Southbound					No access, Sidewalk only Westbound		Richmond Rd Northbound					Knight Ave Eastbound					Int
	R	T	U	App	Ped*	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	
2022-11-23 7:30AM	0	39	0	39	1	0	0	16	0	0	16	0	2	0	0	2	0	57
7:45AM	0	61	0	61	0	0	1	24	0	0	24	0	0	1	0	1	0	86
Hourly Total	0	100	0	100	1	0	1	40	0	0	40	0	2	1	0	3	0	143
8:00AM	2	45	0	47	0	0	2	25	0	0	25	3	2	1	0	3	4	75
8:15AM	1	86	0	87	0	0	2	48	3	0	51	0	1	1	0	2	0	140
8:30AM	5	108	0	113	0	0	1	50	5	0	55	6	1	2	0	3	2	171
8:45AM	18	140	0	158	1	0	2	54	12	0	66	3	11	4	0	15	4	239
Hourly Total	26	379	0	405	1	0	7	177	20	0	197	12	15	8	0	23	10	625
9:00AM	41	117	0	158	0	0	3	76	15	0	91	15	6	4	0	10	4	259
9:15AM	12	133	0	145	0	0	4	73	5	0	78	4	1	2	0	3	4	226
9:30AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly Total	53	250	0	303	0	0	7	149	20	0	169	19	7	6	0	13	8	485
2:00PM	5	78	0	83	0	0	2	80	1	0	81	0	5	2	0	7	1	171
2:15PM	1	95	0	96	1	0	3	70	3	0	73	2	2	1	0	3	4	172
2:30PM	2	92	0	94	0	0	2	81	1	0	82	0	3	2	0	5	1	181
2:45PM	1	96	0	97	0	0	6	65	1	0	66	2	0	4	0	4	4	167
Hourly Total	9	361	0	370	1	0	13	296	6	0	302	4	10	9	0	19	10	691
3:00PM	2	94	0	96	0	0	3	81	2	0	83	2	5	1	0	6	0	185
3:15PM	3	90	0	93	0	0	0	92	4	0	96	1	4	4	0	8	1	197
3:30PM	2	96	0	98	0	0	7	84	2	0	86	3	3	2	0	5	2	189
3:45PM	3	94	0	97	0	0	4	72	2	0	74	3	6	4	0	10	2	181
Hourly Total	10	374	0	384	0	0	14	329	10	0	339	9	18	11	0	29	5	752
4:00PM	9	103	0	112	0	0	6	112	8	0	120	4	3	1	0	4	1	236
4:15PM	14	103	0	117	0	0	4	113	14	0	127	3	10	6	0	16	5	260
4:30PM	5	88	0	93	0	0	13	119	13	0	132	11	19	11	0	30	3	255
4:45PM	3	79	0	82	0	0	9	93	4	0	97	7	9	5	0	14	3	193
Hourly Total	31	373	0	404	0	0	32	437	39	0	476	25	41	23	0	64	12	944
5:00PM	10	84	0	94	0	0	3	121	9	0	130	2	8	7	0	15	4	239
5:15PM	3	107	0	110	0	0	9	113	7	0	120	5	5	3	0	8	3	238
5:30PM	8	93	0	101	1	0	6	87	9	0	96	7	3	5	0	8	2	205
5:45PM	4	104	0	108	0	0	5	84	7	0	91	1	4	2	0	6	3	205
Hourly Total	25	388	0	413	1	0	23	405	32	0	437	15	20	17	0	37	12	887
6:00PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	154	2225	0	2379	4	0	97	1833	127	0	1960	84	113	75	0	188	57	4527
% Approach	6.5%	93.5%	0%	-	-	-	-	93.5%	6.5%	0%	-	-	60.1%	39.9%	0%	-	-	-
% Total	3.4%	49.1%	0%	52.6%	-	0%	-	40.5%	2.8%	0%	43.3%	-	2.5%	1.7%	0%	4.2%	-	-
Motorcycles	0	11	0	11	-	0	-	8	1	0	9	-	1	0	0	1	-	21
% Motorcycles	0%	0.5%	0%	0.5%	-	-	-	0.4%	0.8%	0%	0.5%	-	0.9%	0%	0%	0.5%	-	0.5%
Lights	149	2132	0	2281	-	0	-	1752	126	0	1878	-	103	66	0	169	-	4328
% Lights	96.8%	95.8%	0%	95.9%	-	-	-	95.6%	99.2%	0%	95.8%	-	91.2%	88.0%	0%	89.9%	-	95.6%
Single-Unit Trucks	3	15	0	18	-	0	-	12	0	0	12	-	0	3	0	3	-	33
% Single-Unit Trucks	1.9%	0.7%	0%	0.8%	-	-	-	0.7%	0%	0%	0.6%	-	0%	4.0%	0%	1.6%	-	0.7%
Articulated Trucks	0	1	0	1	-	0	-	2	0	0	2	-	0	0	0	0	-	3
% Articulated Trucks	0%	0%	0%	0%	-	-	-	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	-	0.1%
Buses	0	39	0	39	-	0	-	42	0	0	42	-	8	2	0	10	-	91
% Buses	0%	1.8%	0%	1.6%	-	-	-	2.3%	0%	0%	2.1%	-	7.1%	2.7%	0%	5.3%	-	2.0%
Bicycles on Road	2	27	0	29	-	0	-	17	0	0	17	-	1	4	0	5	-	51
% Bicycles on Road	1.3%	1.2%	0%	1.2%	-	-	-	0.9%	0%	0%	0.9%	-	0.9%	5.3%	0%	2.7%	-	1.1%
Pedestrians	-	-	-	-	4	-	95	-	-	-	-	82	-	-	-	-	57	-
% Pedestrians	-	-	-	-	100%	-	97.9%	-	-	-	-	97.6%	-	-	-	-	100%	-

Leg Direction	Richmond Rd Southbound	No access, Sidewalk only Westbound	Richmond Rd Northbound	Knights Ave Eastbound	
Time	R T U App Ped*	App Ped*	T L U App Ped*	R L U App Ped*	Int
Bicycles on Crosswalk	- - - - 0	- 2	- - - - 2	- - - - 0	
% Bicycles on Crosswalk	- - - - 0%	- 2.1%	- - - - 2.4%	- - - - 0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Richmond Rd and Knight Ave - TMC

Wed Nov 23, 2022

Full Length (7:30 AM-9:30 AM, 2 PM-6 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

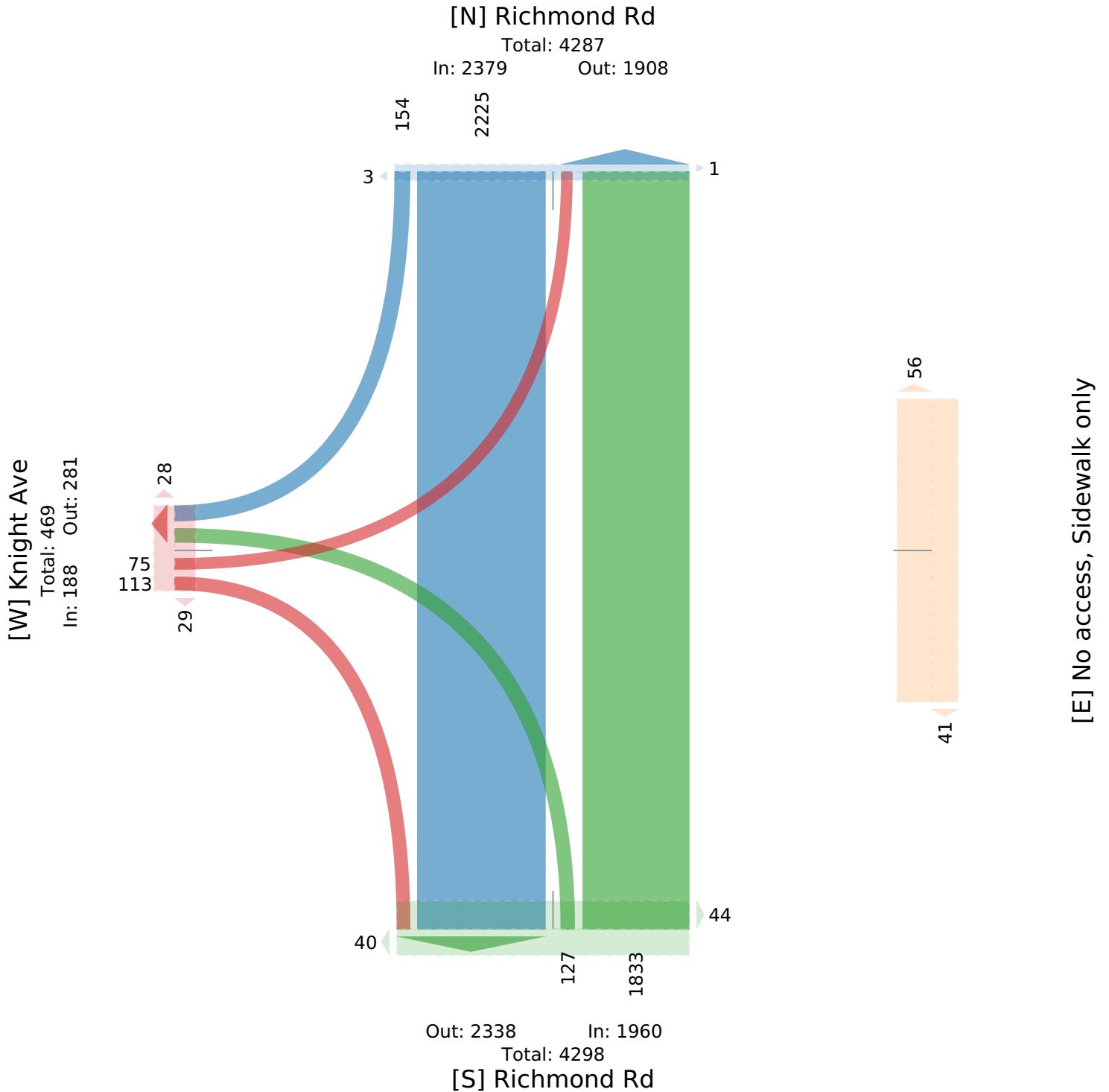
ID: 1017730, Location: 48.452829, -123.326571,

Site Code: TIN001737



McElhanney

Provided by: McElhanney Kamloops
710 Laval Crescent, Kamloops, BC, V2C5P3, CA



Richmond Rd and Knight Ave - TMC

Wed Nov 23, 2022

AM Peak (8:30 AM - 9:30 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 1017730, Location: 48.452829, -123.326571,

Site Code: TIN001737



McElhanney

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710 Laval Crescent, Kamloops, BC, V2C5P3, CA

Leg	Richmond Rd Southbound					No access, Sidewalk only Westbound		Richmond Rd Northbound					Knight Ave Eastbound						
Direction	R	T	U	App	Ped*	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	Int	
2022-11-23 8:30AM	5	108	0	113	0	0	0	1	50	5	0	55	6	1	2	0	3	2	171
8:45AM	18	140	0	158	1	0	0	2	54	12	0	66	3	11	4	0	15	4	239
9:00AM	41	117	0	158	0	0	0	3	76	15	0	91	15	6	4	0	10	4	259
9:15AM	12	133	0	145	0	0	0	4	73	5	0	78	4	1	2	0	3	4	226
Total	76	498	0	574	1	0	0	10	253	37	0	290	28	19	12	0	31	14	895
% Approach	13.2%	86.8%	0%	-	-	-	-	-	87.2%	12.8%	0%	-	-	61.3%	38.7%	0%	-	-	-
% Total	8.5%	55.6%	0%	64.1%	-	0%	-	-	28.3%	4.1%	0%	32.4%	-	2.1%	1.3%	0%	3.5%	-	-
PHF	0.463	0.897	-	0.907	-	-	-	-	0.833	0.617	-	0.797	-	0.432	0.750	-	0.517	-	0.863
Motorcycles	0	4	0	4	-	0	-	-	4	1	0	5	-	0	0	0	0	-	9
% Motorcycles	0%	0.8%	0%	0.7%	-	-	-	-	1.6%	2.7%	0%	1.7%	-	0%	0%	0%	0%	-	1.0%
Lights	72	468	0	540	-	0	-	-	237	36	0	273	-	14	12	0	26	-	839
% Lights	94.7%	94.0%	0%	94.1%	-	-	-	-	93.7%	97.3%	0%	94.1%	-	73.7%	100%	0%	83.9%	-	93.7%
Single-Unit Trucks	2	4	0	6	-	0	-	-	0	0	0	0	-	0	0	0	0	-	6
% Single-Unit Trucks	2.6%	0.8%	0%	1.0%	-	-	-	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.7%
Articulated Trucks	0	1	0	1	-	0	-	-	0	0	0	0	-	0	0	0	0	-	1
% Articulated Trucks	0%	0.2%	0%	0.2%	-	-	-	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.1%
Buses	0	4	0	4	-	0	-	-	9	0	0	9	-	5	0	0	5	-	18
% Buses	0%	0.8%	0%	0.7%	-	-	-	-	3.6%	0%	0%	3.1%	-	26.3%	0%	0%	16.1%	-	2.0%
Bicycles on Road	2	17	0	19	-	0	-	-	3	0	0	3	-	0	0	0	0	-	22
% Bicycles on Road	2.6%	3.4%	0%	3.3%	-	-	-	-	1.2%	0%	0%	1.0%	-	0%	0%	0%	0%	-	2.5%
Pedestrians	-	-	-	-	1	-	-	10	-	-	-	-	27	-	-	-	-	-	14
% Pedestrians	-	-	-	-	100%	-	-	100%	-	-	-	-	96.4%	-	-	-	-	-	100%
Bicycles on Crosswalk	-	-	-	-	0	-	-	0	-	-	-	-	1	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	0%	-	-	-	-	3.6%	-	-	-	-	-	0%

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Richmond Rd and Knight Ave - TMC

Wed Nov 23, 2022

AM Peak (8:30 AM - 9:30 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 1017730, Location: 48.452829, -123.326571,

Site Code: TIN001737



McElhanney

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710 Laval Crescent, Kamloops, BC, V2C5P3, CA

[N] Richmond Rd

Total: 839

In: 574

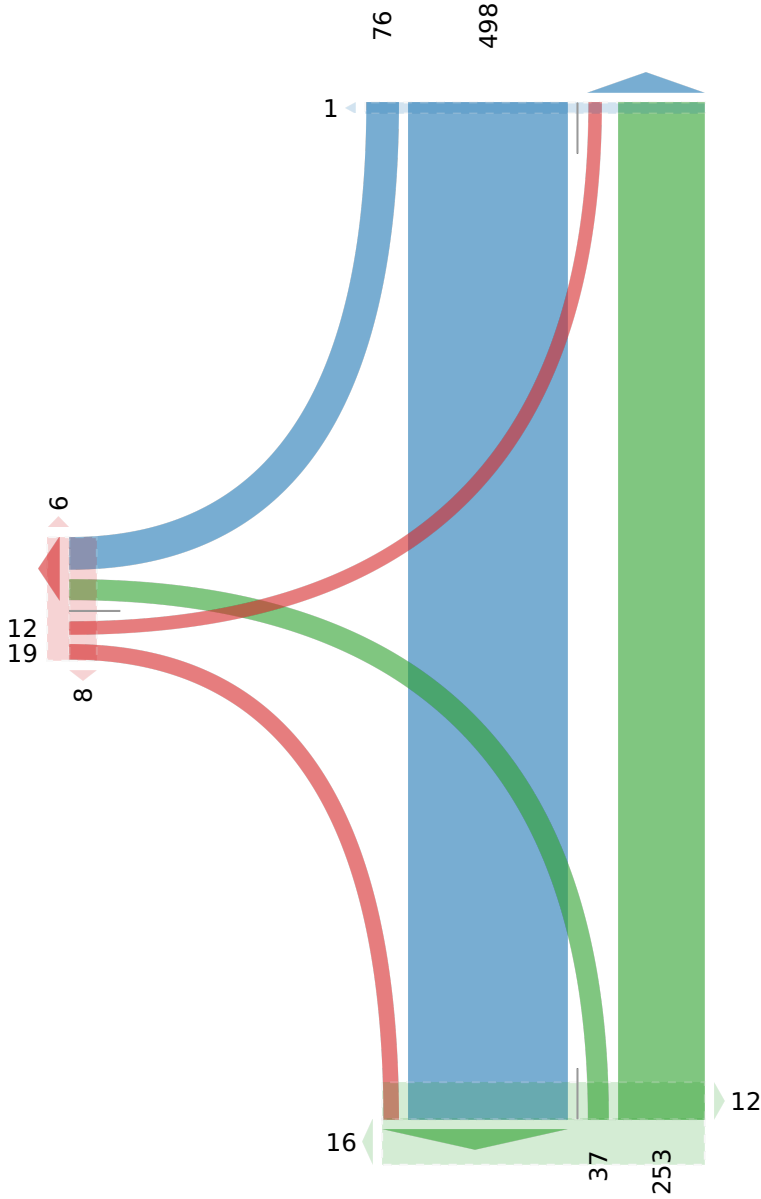
Out: 265

[W] Knight Ave

Total: 144

In: 31

Out: 113



Out: 517

In: 290

Total: 807

[S] Richmond Rd

[E] No access, Sidewalk only

Richmond Rd and Knight Ave - TMC

Wed Nov 23, 2022

PM Peak (4:15 PM - 5:15 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 1017730, Location: 48.452829, -123.326571,

Site Code: TIN001737



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Leg Direction	Richmond Rd Southbound					No access, Sidewalk only Westbound		Richmond Rd Northbound					Knight Ave Eastbound					
Time	R	T	U	App	Ped*	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	Int
2022-11-23 4:15PM	14	103	0	117	0	0	4	113	14	0	127	3	10	6	0	16	5	260
4:30PM	5	88	0	93	0	0	13	119	13	0	132	11	19	11	0	30	3	255
4:45PM	3	79	0	82	0	0	9	93	4	0	97	7	9	5	0	14	3	193
5:00PM	10	84	0	94	0	0	3	121	9	0	130	2	8	7	0	15	4	239
Total	32	354	0	386	0	0	29	446	40	0	486	23	46	29	0	75	15	947
% Approach	8.3%	91.7%	0%	-	-	-	-	91.8%	8.2%	0%	-	-	61.3%	38.7%	0%	-	-	-
% Total	3.4%	37.4%	0%	40.8%	-	0%	-	47.1%	4.2%	0%	51.3%	-	4.9%	3.1%	0%	7.9%	-	-
PHF	0.571	0.854	-	0.821	-	-	-	0.934	0.714	-	0.918	-	0.605	0.700	-	0.638	-	0.903
Motorcycles	0	2	0	2	-	0	-	0	0	0	0	-	1	0	0	1	-	3
% Motorcycles	0%	0.6%	0%	0.5%	-	-	-	0%	0%	0%	0%	-	2.2%	0%	0%	1.3%	-	0.3%
Lights	32	337	0	369	-	0	-	429	40	0	469	-	43	25	0	68	-	906
% Lights	100%	95.2%	0%	95.6%	-	-	-	96.2%	100%	0%	96.5%	-	93.5%	86.2%	0%	90.7%	-	95.7%
Single-Unit Trucks	0	3	0	3	-	0	-	4	0	0	4	-	0	1	0	1	-	8
% Single-Unit Trucks	0%	0.8%	0%	0.8%	-	-	-	0.9%	0%	0%	0.8%	-	0%	3.4%	0%	1.3%	-	0.8%
Articulated Trucks	0	0	0	0	-	0	-	1	0	0	1	-	0	0	0	0	-	1
% Articulated Trucks	0%	0%	0%	0%	-	-	-	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	0.1%
Buses	0	10	0	10	-	0	-	7	0	0	7	-	2	2	0	4	-	21
% Buses	0%	2.8%	0%	2.6%	-	-	-	1.6%	0%	0%	1.4%	-	4.3%	6.9%	0%	5.3%	-	2.2%
Bicycles on Road	0	2	0	2	-	0	-	5	0	0	5	-	0	1	0	1	-	8
% Bicycles on Road	0%	0.6%	0%	0.5%	-	-	-	1.1%	0%	0%	1.0%	-	0%	3.4%	0%	1.3%	-	0.8%
Pedestrians	-	-	-	-	0	-	28	-	-	-	-	23	-	-	-	-	-	15
% Pedestrians	-	-	-	-	-	-	96.6%	-	-	-	-	100%	-	-	-	-	-	100%
Bicycles on Crosswalk	-	-	-	-	0	-	1	-	-	-	-	0	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	3.4%	-	-	-	-	0%	-	-	-	-	-	0%

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Richmond Rd and Knight Ave - TMC

Wed Nov 23, 2022

PM Peak (4:15 PM - 5:15 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 1017730, Location: 48.452829, -123.326571,

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McElhanney

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710 Laval Crescent, Kamloops, BC, V2C5P3, CA

[N] Richmond Rd

Total: 861

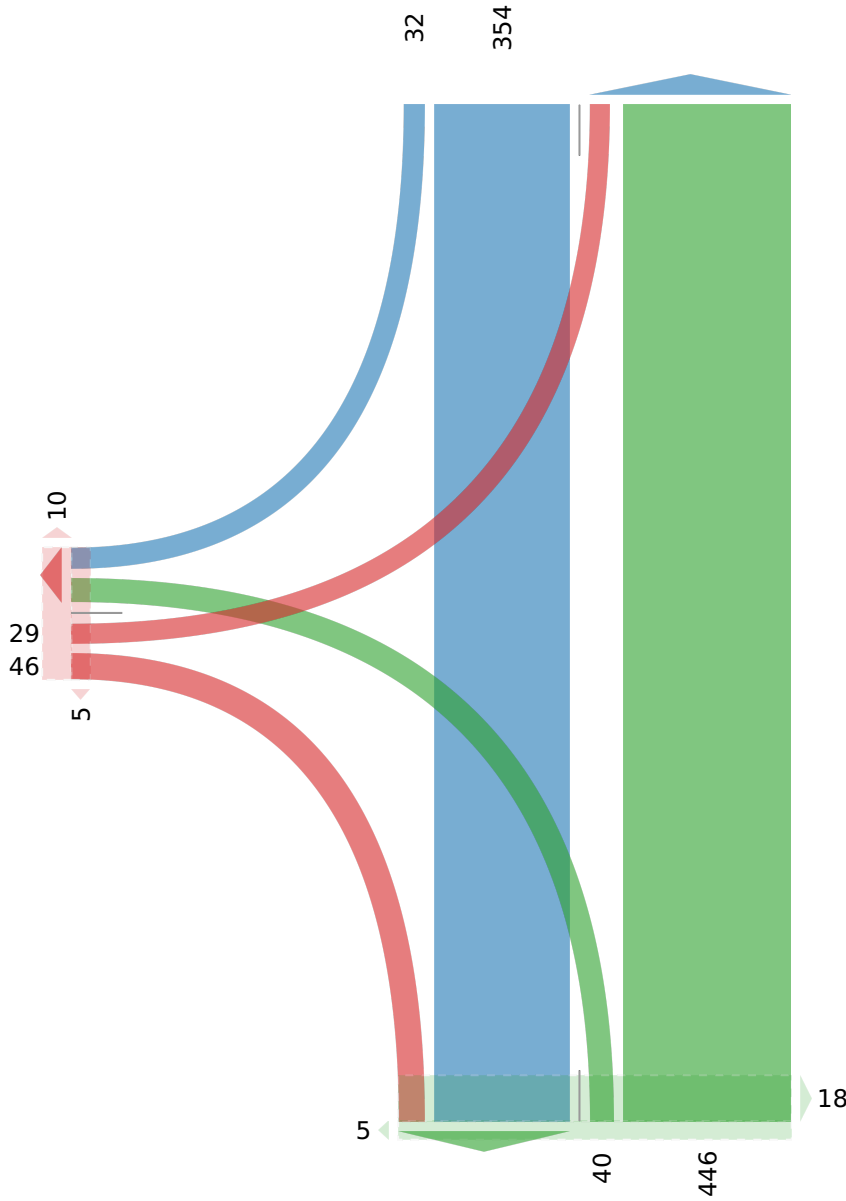
In: 386

Out: 475

[W] Knight Ave

Total: 147

In: 75 Out: 72



Out: 400

In: 486

Total: 886

[S] Richmond Rd

[E] No access, Sidewalk only