

I-29 NB Frontage Road and Virginia Street - TMC

Tue Jul 1, 2025

Full Length (7 AM-9:30 AM, 9:30 AM-12 PM, 12 PM-2:45 PM, 2:45 PM-5:30 PM, 5:30 PM-7 PM)

All Classes (Heavy and Lights, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 1326826, Location: 42.488549, -96.398069

Provided by: DSS - Indian Hub
137 Glasgow St Suite 110, Kitchener, ON, N2G 4X8, CA

Leg Direction	North Southbound					East Westbound					South Northbound					West Eastbound		Northwest Southeastbound			
Time	R	T	U	App	Ped*	R	T	L	App	Ped*	T	L	U	App	Ped*	App	Ped*	HR	App	Ped*	Int
2025-07-01 6:45AM	0	0	0	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	0	0	0
7:00AM	0	32	0	32	0	27	6	0	33	0	83	0	0	83	0	0	0	48	48	0	196
7:15AM	0	37	0	37	0	23	25	0	48	0	99	0	0	99	0	0	0	66	66	0	250
7:30AM	0	54	0	54	0	39	47	0	86	0	130	1	0	131	0	0	1	104	104	1	375
7:45AM	0	43	0	43	0	47	34	0	81	0	178	1	0	179	0	0	0	100	100	0	403
Hourly Total	0	166	0	166	0	136	112	0	248	0	490	2	0	492	0	0	1	318	318	1	1224
8:00AM	0	39	0	39	0	28	32	0	60	0	97	0	0	97	0	0	0	70	70	0	266
8:15AM	0	37	0	37	0	22	32	0	54	0	116	0	0	116	0	0	0	58	58	0	265
8:30AM	0	42	0	42	0	26	34	0	60	0	96	0	0	96	0	0	1	41	41	1	239
8:45AM	0	20	0	20	0	24	45	0	69	0	101	1	0	102	0	0	0	50	50	0	241
Hourly Total	0	138	0	138	0	100	143	0	243	0	410	1	0	411	0	0	1	219	219	1	1011
9:00AM	0	25	0	25	1	13	33	0	46	0	72	0	0	72	0	0	1	51	51	0	194
9:15AM	0	29	0	29	0	16	36	0	52	0	79	1	0	80	0	0	1	39	39	1	200
9:30AM	0	29	0	29	0	15	33	0	48	0	90	0	0	90	0	0	0	55	55	0	222
9:45AM	0	32	0	32	1	18	38	0	56	0	90	0	0	90	0	0	1	60	60	0	238
Hourly Total	0	115	0	115	2	62	140	0	202	0	331	1	0	332	0	0	3	205	205	1	854
10:00AM	0	33	0	33	1	21	40	0	61	0	96	0	0	96	0	0	1	34	34	0	224
10:15AM	0	45	0	45	0	28	33	0	61	0	90	1	0	91	0	0	2	35	35	2	232
10:30AM	0	45	0	45	0	21	43	0	64	0	99	0	0	99	0	0	0	49	49	0	257
10:45AM	0	55	0	55	0	28	40	0	68	0	96	0	0	96	0	0	0	49	49	0	268
Hourly Total	0	178	0	178	1	98	156	0	254	0	381	1	0	382	0	0	3	167	167	2	981
11:00AM	1	49	0	50	0	24	31	0	55	0	89	0	0	89	0	0	1	49	49	1	243
11:15AM	0	47	0	47	0	29	49	0	78	0	98	0	0	98	0	0	0	62	62	0	285
11:30AM	0	52	1	53	0	32	36	0	68	0	92	0	0	92	0	0	0	56	56	0	269
11:45AM	0	31	0	31	0	31	38	0	69	0	123	1	0	124	0	0	0	56	56	0	280
Hourly Total	1	179	1	181	0	116	154	0	270	0	402	1	0	403	0	0	1	223	223	1	1077
12:00PM	0	53	0	53	0	36	43	0	79	0	114	0	0	114	0	0	0	52	52	1	298
12:15PM	0	42	0	42	0	28	44	0	72	0	104	0	0	104	0	0	1	41	41	1	259
12:30PM	0	50	0	50	0	32	7	0	39	0	130	0	0	130	0	0	0	73	73	0	292
12:45PM	0	45	0	45	0	44	9	0	53	0	101	0	0	101	0	0	2	63	63	2	262
Hourly Total	0	190	0	190	0	140	103	0	243	0	449	0	0	449	0	0	3	229	229	4	1111
1:00PM	1	39	0	40	0	29	33	0	62	0	133	0	0	133	0	0	0	63	63	0	298
1:15PM	0	49	0	49	0	35	37	0	72	0	94	0	0	94	0	0	0	53	53	0	268
1:30PM	0	61	0	61	0	31	48	0	79	0	103	0	0	103	0	0	1	57	57	0	300
1:45PM	0	66	0	66	0	27	42	0	69	0	109	0	0	109	0	0	0	62	62	0	306
Hourly Total	1	215	0	216	0	122	160	0	282	0	439	0	0	439	0	0	1	235	235	0	1172
2:00PM	0	73	0	73	0	23	44	0	67	0	110	0	0	110	0	0	1	57	57	1	307

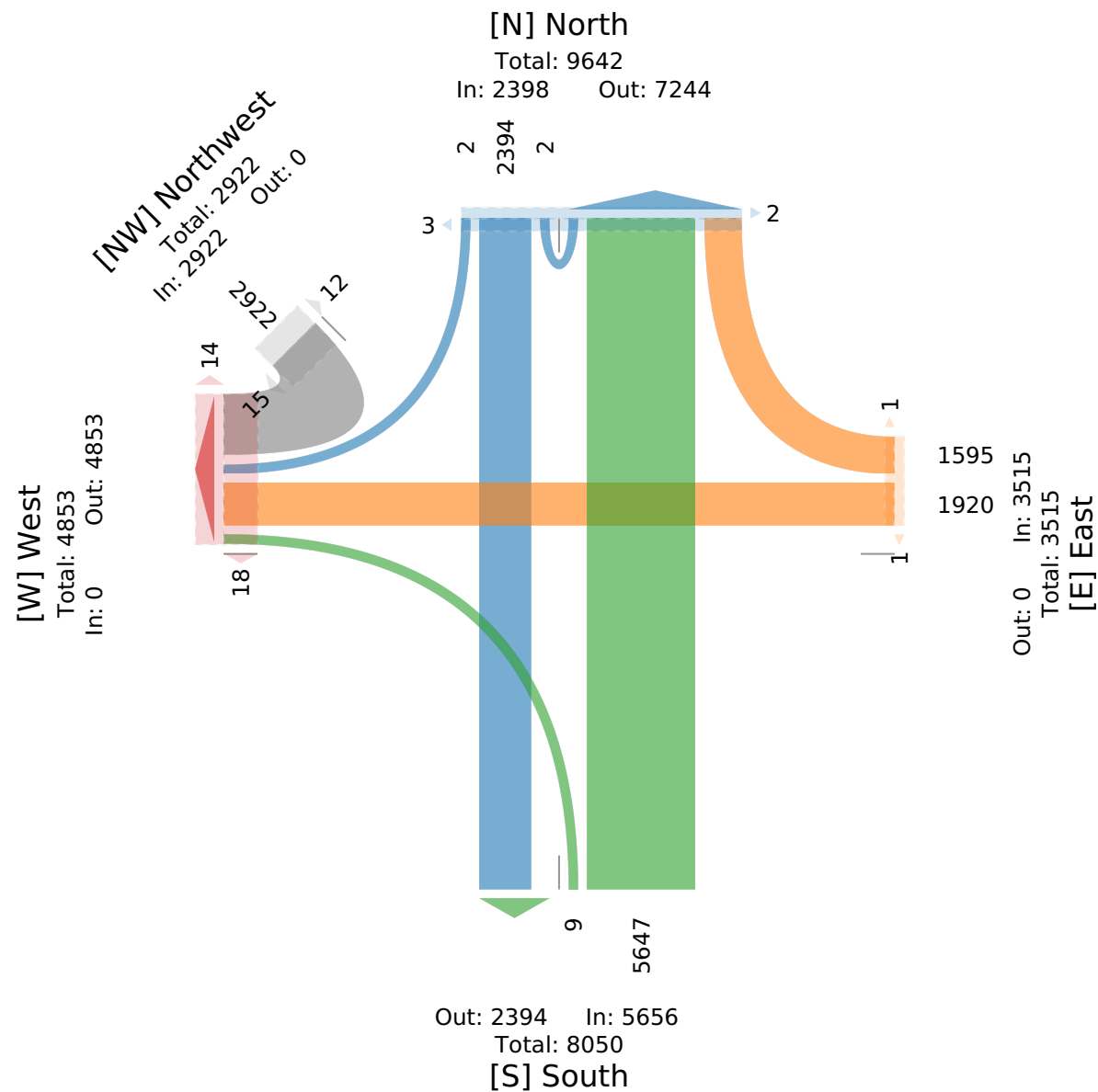
Leg Direction	North Southbound					East Westbound					South Northbound					West Eastbound		Northwest Southeastbound			
Time	R	T	U	App	Ped*	R	T	L	App	Ped*	T	L	U	App	Ped*	App	Ped*	HR	App	Ped*	Int
2:15PM	0	75	0	75	0	33	32	0	65	0	92	0	0	92	0	0	0	53	53	0	285
2:30PM	0	58	0	58	0	42	21	0	63	1	138	0	0	138	0	0	0	85	85	0	344
2:45PM	0	70	1	71	0	64	64	0	128	0	130	0	0	130	0	0	0	82	82	0	411
Hourly Total	0	276	1	277	0	162	161	0	323	1	470	0	0	470	0	0	1	277	277	1	1347
3:00PM	0	54	0	54	0	51	41	0	92	0	129	0	0	129	0	0	0	45	45	0	320
3:15PM	0	56	0	56	0	58	62	0	120	0	155	0	0	155	0	0	1	55	55	1	386
3:30PM	0	65	0	65	0	47	60	0	107	0	145	0	0	145	0	0	0	72	72	0	389
3:45PM	0	54	0	54	0	45	48	0	93	0	128	0	0	128	0	0	1	67	67	1	342
Hourly Total	0	229	0	229	0	201	211	0	412	0	557	0	0	557	0	0	2	239	239	2	1437
4:00PM	0	64	0	64	0	45	57	0	102	0	175	0	0	175	0	0	0	80	80	0	421
4:15PM	0	64	0	64	0	43	42	0	85	1	158	0	0	158	0	0	1	62	62	1	369
4:30PM	0	100	0	100	0	34	48	0	82	0	155	0	0	155	0	0	1	70	70	1	407
4:45PM	0	58	0	58	0	48	51	0	99	0	175	0	0	175	0	0	0	88	88	0	420
Hourly Total	0	286	0	286	0	170	198	0	368	1	663	0	0	663	0	0	2	300	300	2	1617
5:00PM	0	86	0	86	0	45	68	0	113	0	175	0	0	175	0	0	1	110	110	1	484
5:15PM	0	63	0	63	0	40	58	0	98	0	179	1	0	180	0	0	0	85	85	0	426
5:30PM	0	62	0	62	0	45	46	0	91	0	160	0	0	160	0	0	1	66	66	1	379
5:45PM	0	53	0	53	0	42	47	0	89	0	113	1	0	114	0	0	0	56	56	0	312
Hourly Total	0	264	0	264	0	172	219	0	391	0	627	2	0	629	0	0	2	317	317	2	1601
6:00PM	0	51	0	51	1	27	38	0	65	0	121	0	0	121	0	0	2	47	47	1	284
6:15PM	0	35	0	35	0	37	43	0	80	0	103	1	0	104	0	0	3	47	47	3	266
6:30PM	0	36	0	36	1	24	44	0	68	0	98	0	0	98	0	0	3	50	50	2	252
6:45PM	0	36	0	36	0	28	38	0	66	0	106	0	0	106	0	0	4	49	49	4	257
Hourly Total	0	158	0	158	2	116	163	0	279	0	428	1	0	429	0	0	12	193	193	10	1059
Total	2	2394	2	2398	5	1595	1920	0	3515	2	5647	9	0	5656	0	0	32	2922	2922	27	14491
% Approach	0.1%	99.8%	0.1%	-	-	45.4%	54.6%	0%	-	-	99.8%	0.2%	0%	-	-	-	-	100%	-	-	-
% Total	0%	16.5%	0%	16.5%	-	11.0%	13.2%	0%	24.3%	-	39.0%	0.1%	0%	39.0%	-	0%	-	20.2%	20.2%	-	-
Heavy and Lights	2	2393	2	2397	-	1595	1920	0	3515	-	5646	9	0	5655	-	0	-	2922	2922	-	14489
% Heavy and Lights	100%	100.0%	100%	100.0%	-	100%	100%	0%	100%	-	100.0%	100%	0%	100.0%	-	-	-	100%	100%	-	100.0%
Bicycles on Road	0	1	0	1	-	0	0	0	0	-	1	0	0	1	-	0	-	0	0	-	2
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	-	0%	0%	-	0%
Pedestrians	-	-	-	-	5	-	-	-	-	2	-	-	-	-	0	-	24	-	-	19	
% Pedestrians	-	-	-	-	100%	-	-	-	-	100%	-	-	-	-	-	-	75.0%	-	-	70.4%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	8	-	-	8	
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0%	-	-	-	-	-	-	25.0%	-	-	29.6%	-

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

I-29 NB Frontage Road and Virginia Street - TMC

Tue Jul 1, 2025
Full Length (7 AM-9:30 AM, 9:30 AM-12 PM, 12 PM-2:45 PM, 2:45 PM-5:30 PM, 5:30 PM-7 PM)
All Classes (Heavy and Lights, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)
All Movements
ID: 1326826, Location: 42.488549, -96.398069

Provided by: DSS - Indian Hub
137 Glasgow St Suite 110, Kitchener, ON, N2G 4X8, CA



I-29 NB Frontage Road and Virginia Street - TMC

Tue Jul 1, 2025

AM Peak (7:30 AM - 8:30 AM)

All Classes (Heavy and Lights, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 1326826, Location: 42.488549, -96.398069

Provided by: DSS - Indian Hub
137 Glasgow St Suite 110, Kitchener, ON, N2G 4X8, CA

Leg Direction	North Southbound					East Westbound					South Northbound					West Eastbound		Northwest Southeastbound			
Time	R	T	U	App	Ped*	R	T	L	App	Ped*	T	L	U	App	Ped*	App	Ped*	HR	App	Ped*	Int
2025-07-01 7:30AM	0	54	0	54	0	39	47	0	86	0	130	1	0	131	0	0	1	104	104	1	375
7:45AM	0	43	0	43	0	47	34	0	81	0	178	1	0	179	0	0	0	100	100	0	403
8:00AM	0	39	0	39	0	28	32	0	60	0	97	0	0	97	0	0	0	70	70	0	266
8:15AM	0	37	0	37	0	22	32	0	54	0	116	0	0	116	0	0	0	58	58	0	265
Total	0	173	0	173	0	136	145	0	281	0	521	2	0	523	0	0	1	332	332	1	1309
% Approach	0%	100%	0%	-	-	48.4%	51.6%	0%	-	-	99.6%	0.4%	0%	-	-	-	-	100%	-	-	-
% Total	0%	13.2%	0%	13.2%	-	10.4%	11.1%	0%	21.5%	-	39.8%	0.2%	0%	40.0%	-	0%	-	25.4%	25.4%	-	-
PHF	-	0.801	-	0.801	-	0.723	0.771	-	0.817	-	0.732	0.500	-	0.730	-	-	-	0.798	0.798	-	0.812
Heavy and Lights	0	173	0	173	-	136	145	0	281	-	521	2	0	523	-	0	-	332	332	-	1309
% Heavy and Lights	0%	100%	0%	100%	-	100%	100%	0%	100%	-	100%	100%	0%	100%	-	-	-	100%	100%	-	100%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	-	0	0	-	0
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	-	0%	0%	-	0%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	0	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	0%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	1	-	-	1	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	100%	-

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

I-29 NB Frontage Road and Virginia Street - TMC

Tue Jul 1, 2025

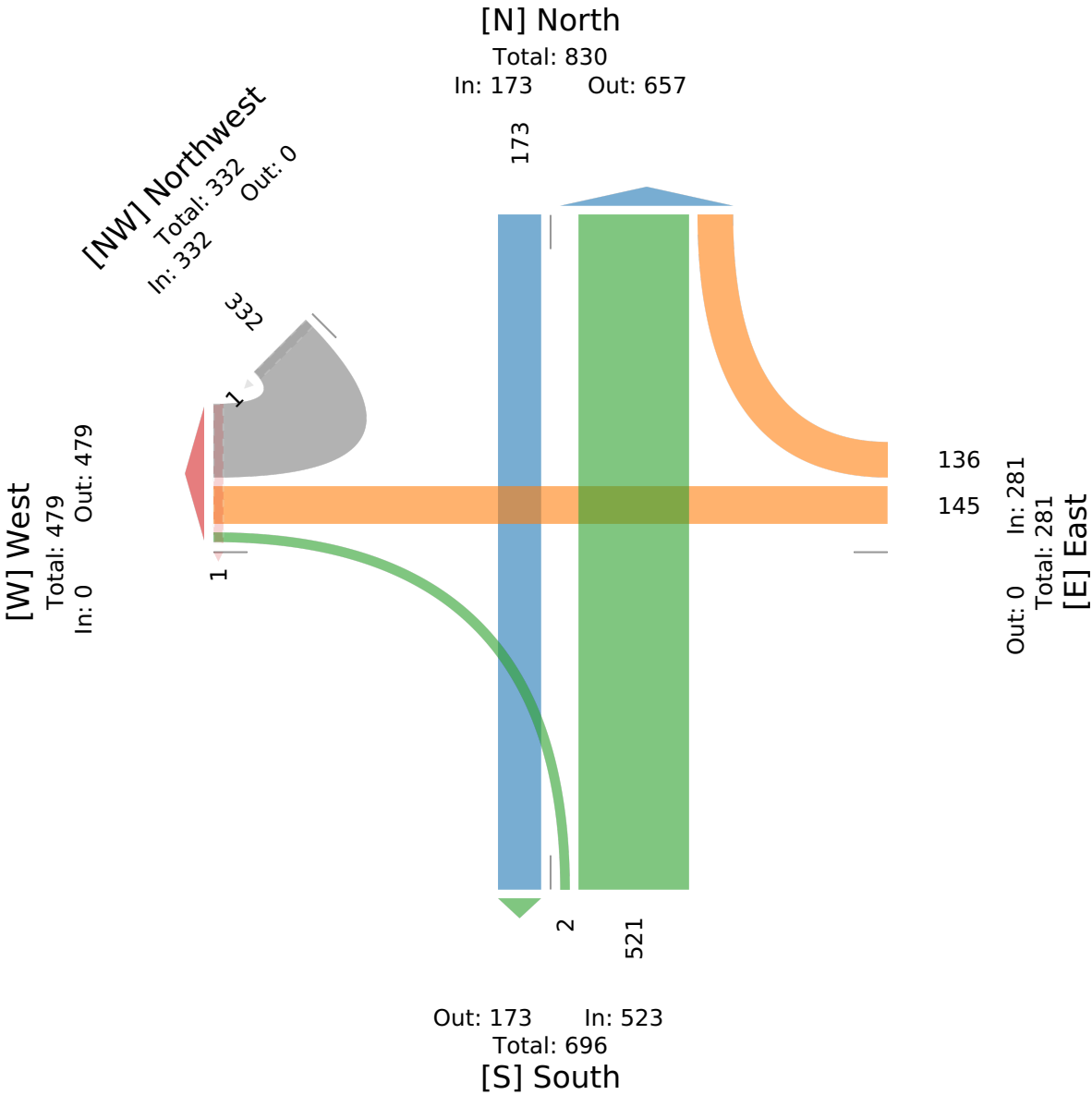
AM Peak (7:30 AM - 8:30 AM)

All Classes (Heavy and Lights, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

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I-29 NB Frontage Road and Virginia Street - TMC

Tue Jul 1, 2025

Midday Peak (1 PM - 2 PM)

All Classes (Heavy and Lights, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 1326826, Location: 42.488549, -96.398069

Provided by: DSS - Indian Hub
137 Glasgow St Suite 110, Kitchener, ON, N2G 4X8, CA

Leg Direction	North Southbound					East Westbound					South Northbound					West Eastbound		Northwest Southeastbound			
Time	R	T	U	App	Ped*	R	T	L	App	Ped*	T	L	U	App	Ped*	App	Ped*	HR	App	Ped*	Int
2025-07-01 1:00PM	1	39	0	40	0	29	33	0	62	0	133	0	0	133	0	0	0	63	63	0	298
1:15PM	0	49	0	49	0	35	37	0	72	0	94	0	0	94	0	0	0	53	53	0	268
1:30PM	0	61	0	61	0	31	48	0	79	0	103	0	0	103	0	0	1	57	57	0	300
1:45PM	0	66	0	66	0	27	42	0	69	0	109	0	0	109	0	0	0	62	62	0	306
Total	1	215	0	216	0	122	160	0	282	0	439	0	0	439	0	0	1	235	235	0	1172
% Approach	0.5%	99.5%	0%	-	-	43.3%	56.7%	0%	-	-	100%	0%	0%	-	-	-	-	100%	-	-	-
% Total	0.1%	18.3%	0%	18.4%	-	10.4%	13.7%	0%	24.1%	-	37.5%	0%	0%	37.5%	-	0%	-	20.1%	20.1%	-	-
PHF	0.250	0.814	-	0.818	-	0.871	0.833	-	0.892	-	0.825	-	-	0.825	-	-	-	0.933	0.933	-	0.958
Heavy and Lights	1	215	0	216	-	122	160	0	282	-	439	0	0	439	-	0	-	235	235	-	1172
% Heavy and Lights	100%	100%	0%	100%	-	100%	100%	0%	100%	-	100%	0%	0%	100%	-	-	-	100%	100%	-	100%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	-	0	0	-	0
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	-	0%	0%	-	0%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	1	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	0	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-

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

I-29 NB Frontage Road and Virginia Street - TMC

Tue Jul 1, 2025

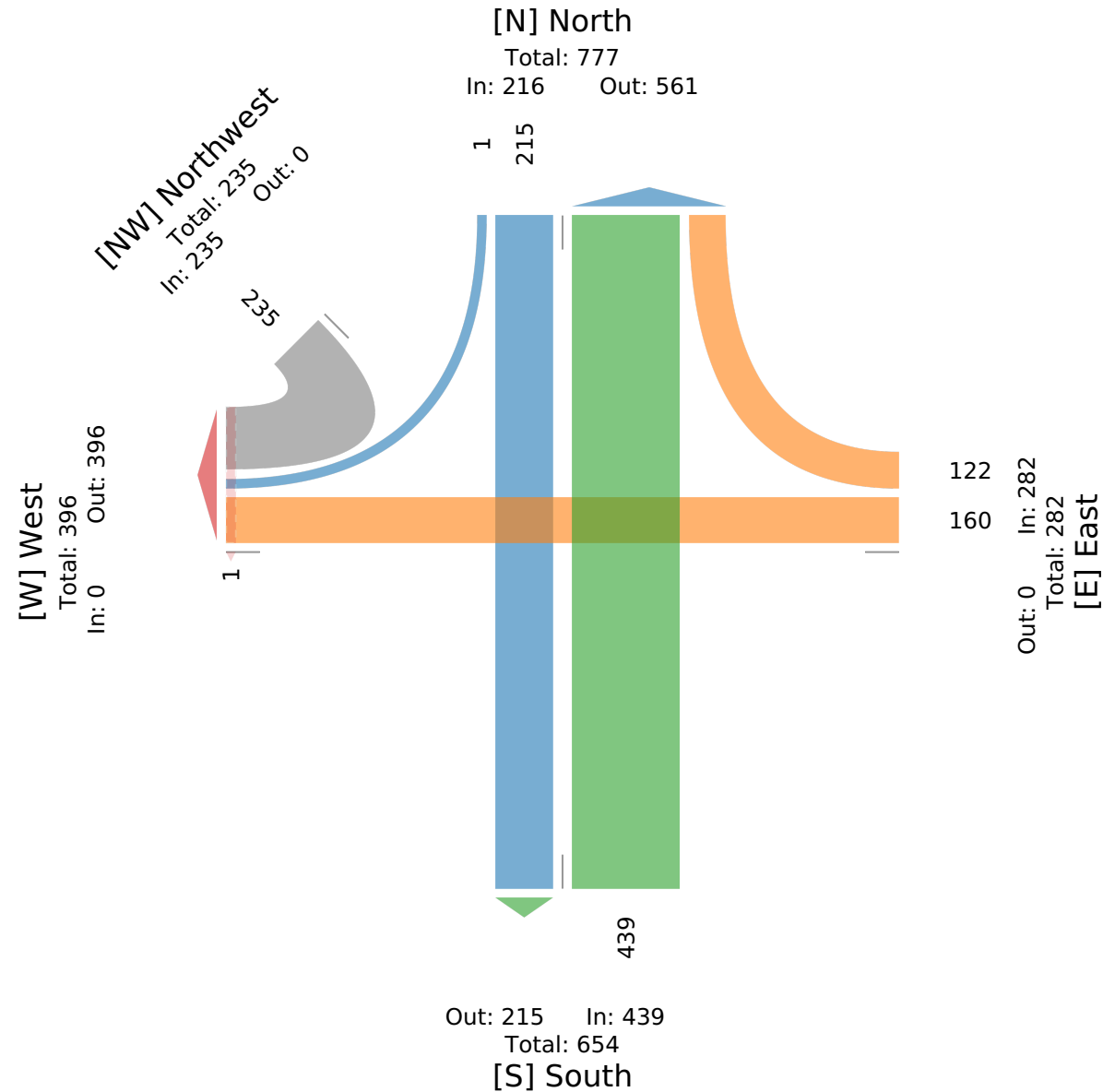
Midday Peak (1 PM - 2 PM)

All Classes (Heavy and Lights, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

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I-29 NB Frontage Road and Virginia Street - TMC

Tue Jul 1, 2025

PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour

All Classes (Heavy and Lights, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 1326826, Location: 42.488549, -96.398069

Provided by: DSS - Indian Hub
137 Glasgow St Suite 110, Kitchener, ON, N2G 4X8, CA

Leg Direction	North Southbound					East Westbound					South Northbound					West Eastbound		Northwest Southeastbound			
Time	R	T	U	App	Ped*	R	T	L	App	Ped*	T	L	U	App	Ped*	App	Ped*	HR	App	Ped*	Int
2025-07-01 4:30PM	0	100	0	100	0	34	48	0	82	0	155	0	0	155	0	0	1	70	70	1	407
4:45PM	0	58	0	58	0	48	51	0	99	0	175	0	0	175	0	0	0	88	88	0	420
5:00PM	0	86	0	86	0	45	68	0	113	0	175	0	0	175	0	0	1	110	110	1	484
5:15PM	0	63	0	63	0	40	58	0	98	0	179	1	0	180	0	0	0	85	85	0	426
Total	0	307	0	307	0	167	225	0	392	0	684	1	0	685	0	0	2	353	353	2	1737
% Approach	0%	100%	0%	-	-	42.6%	57.4%	0%	-	-	99.9%	0.1%	0%	-	-	-	-	100%	-	-	-
% Total	0%	17.7%	0%	17.7%	-	9.6%	13.0%	0%	22.6%	-	39.4%	0.1%	0%	39.4%	-	0%	-	20.3%	20.3%	-	-
PHF	-	0.768	-	0.768	-	0.870	0.827	-	0.867	-	0.955	0.250	-	0.951	-	-	-	0.802	0.802	-	0.897
Heavy and Lights	0	307	0	307	-	167	225	0	392	-	684	1	0	685	-	0	-	353	353	-	1737
% Heavy and Lights	0%	100%	0%	100%	-	100%	100%	0%	100%	-	100%	100%	0%	100%	-	-	-	100%	100%	-	100%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	-	0	0	-	0
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	-	0%	0%	-	0%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	2	-	-	2	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	0	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	0%	-

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

I-29 NB Frontage Road and Virginia Street - TMC

Tue Jul 1, 2025

PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour

All Classes (Heavy and Lights, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 1326826, Location: 42.488549, -96.398069

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