Armour Road Walking and Biking Observations

Prepared by BikeWalkKC for the City of North Kansas City July 27, 2020

INTRODUCTION

Traffic observations were conducted at two intersections on Armour Road in North Kansas City to determine volumes and movement patterns for a typical weekday and typical weekend. Observations included through-movements and turn-movements for cars, trucks, buses, bicycles on the road, bicycles on the sidewalk and pedestrians on the sidewalk. 2020 observations were compared to 2019 observations to provide insight on changes in transportation patterns due to recent infrastructure improvements, changing travel patterns due to the ongoing pandemic, and other factors.

These observations may be useful for evaluation of existing infrastructure and for planning of future improvements to the transportation network. These observations may also be useful to better understand the behavior of different transportation modes in locations where projects are planned, completed, or under consideration. In combination with past and future data collection these traffic observations can assist North Kansas City in evaluating the performance of its infrastructure over time.

Observation Locations

- Armour Road and Swift Street: Thursday, June 4, 2020; Sunday, June 28, 2020
- Armour Road and Iron Street: Thursday, June 4, 2020; Sunay, June 28, 2020



Observation Methodology

Data was collected with traffic observation cameras placed at selected locations throughout North Kansas City. Cameras were positioned at intersections to capture all modes of transportation and all direction of travel. Observation days were selected to ensure typical temperature and weather conditions.

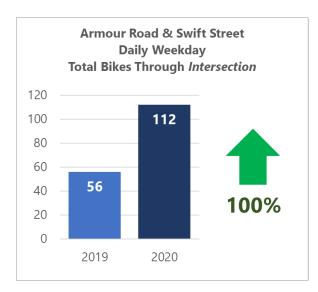
Camera footage was evaluated by a third-party analyst to document volumes and movements in 15-minute intervals from 6am to 8pm. For bicycle and pedestrian trips, BikeWalkKC applied industry standard adjustment factors to extrapolate 14 hour counts to full 24 hour counts, including guidance from the National Bicycle and Pedestrian Documentation Project (http://bikepeddocumentation.org/). For automobile trips, BikeWalkKC applied adjustment factors based on MoDOT's hourly estimates for various North Kansas City streets (https://www.modot.org/traffic-volume-maps).

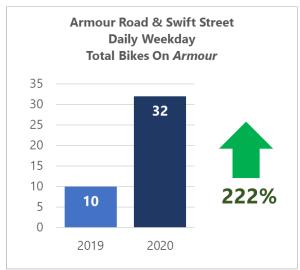
There are constraints in the detection algorithm for automatic data processing that prevent all bicycle trips from being counted. Specifically, bicycle turning movements on to or off of separated bicycle infrastructure (such as the protected bicycle lanes on Armour Road) and sidewalks are not always captured automatically. Bicycle trips that were not automatically detected have been manually logged and included in the following count summaries. More information about analysis of bicycle trips can be found at the following link: https://help.miovision.com/s/article/How-the-bicycle-classification-is-processed-in-vehicle-studies?language=en US

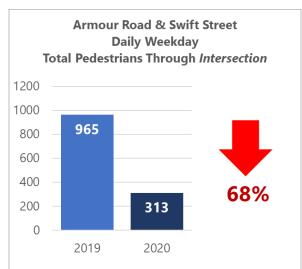
Accuracy for vehicle counts: For volumes of up to 100 vehicles in any given classification over a 15-minute period, counts are guaranteed accurate within 5 vehicles. For volumes greater than 100 vehicles in the same class and period, counts will be at least 95% accurate.

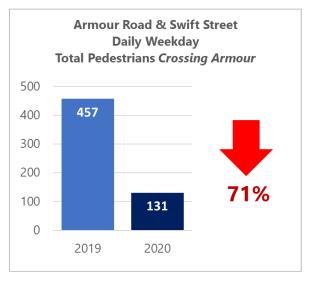
Accuracy for bicycle and pedestrian counts: For volumes of up to 50 bicycles or pedestrians in a 15-minute period, counts are guaranteed accurate within 5 pedestrians or bicycles. A minimum of 95% accuracy is guaranteed for volumes above 50 per 15-minute segment. When pedestrians are grouped in clusters, volumes are accurate to within +/- 25% per unique cluster.

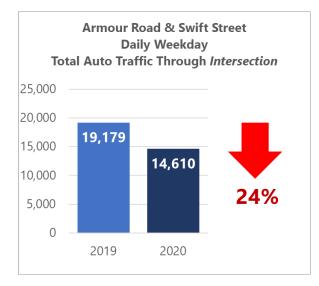
OBSERVATIONS SUMMARY – ARMOUR ROAD & SWIFT STREET WEEKDAY

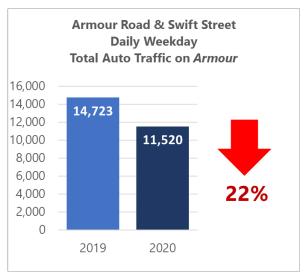




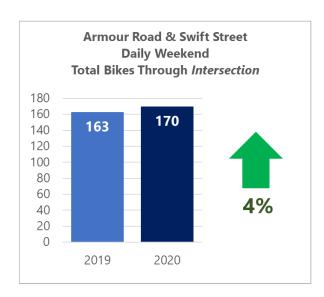


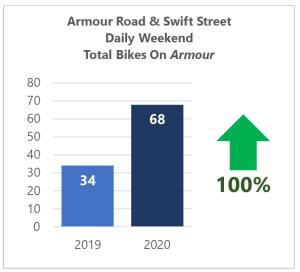


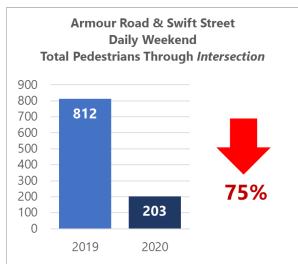


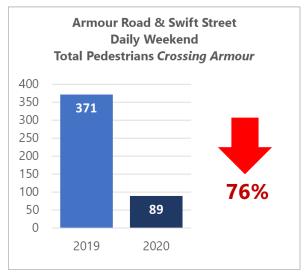


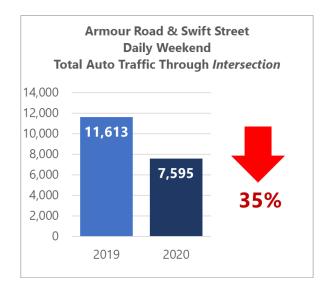
OBSERVATIONS SUMMARY – ARMOUR ROAD & SWIFT STREET WEEKEND

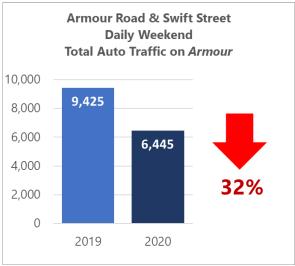




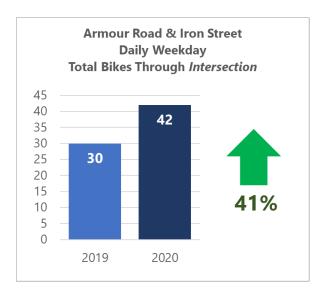




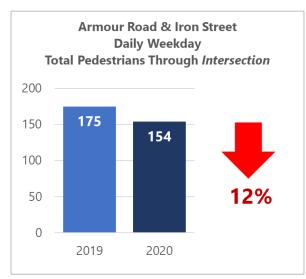


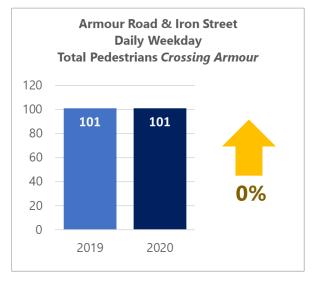


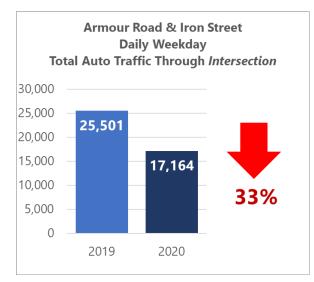
OBSERVATIONS SUMMARY – ARMOUR ROAD & IRON STREET WEEKDAY

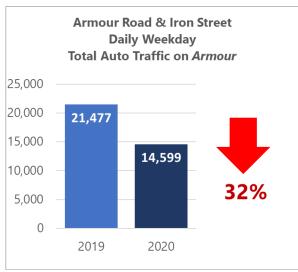




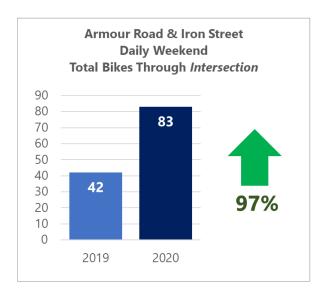


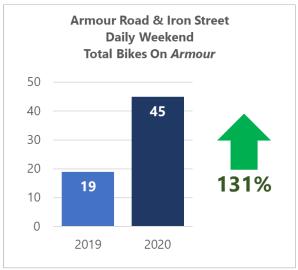




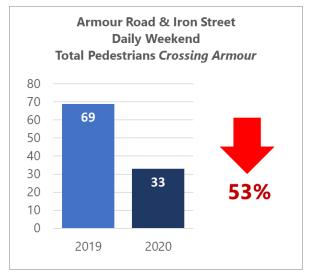


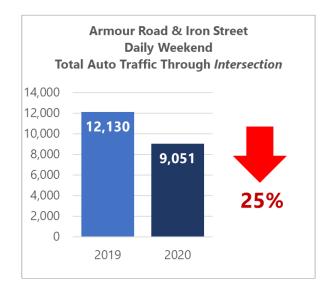
OBSERVATIONS SUMMARY – ARMOUR ROAD & IRON STREET WEEKEND

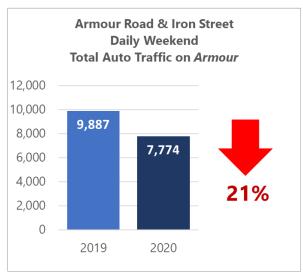












BICYCLE TRIPS AS A PERCENTAGE OF TOTAL TRIPS

Supporting a more balanced mix of modes in North Kansas City is important for many city goals, and the benefits to the community are scalable as more people bike. North Kansas City's Bicycle Master Plan identifies the following targets for bike ridership:

Bike Ridership Target

Short Term (5 - year)

1% bicycle-mode share 2.5% adults biking daily

Medium Term (10 - year)

2.5% bicycle-mode share 6% adults biking daily

Long Term (20 - year)

6% bicycle-mode share 15% adults biking daily

Traffic observations can provide insight into North Kansas City's progress toward bike ridership goals. However, the percentage of trips by bike varies significantly by street. While complete assessment of biking in North Kansas City will require more comprehensive data collection, spot observations can be useful for identifying the speed and magnitude of progress toward goals for biking in the community.

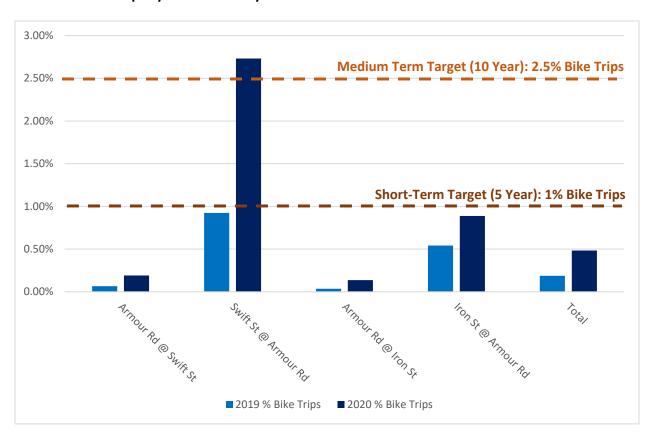
2019 Percent of Total Trips by Transportation Mode – Weekday

	By Car	By Truck	By Bus	By Bike	By Walking
Armour Rd @ Swift St	95.38%	0.91%	0.31%	0.07%	3.33%
Swift St @ Armour Rd	86.72%	1.68%	1.46%	0.92%	9.21%
Armour Rd @ Iron St	97.83%	1.19%	0.47%	0.04%	0.47%
Iron St @ Armour Rd	95.06%	1.56%	1.03%	0.54%	1.82%
Total	95.57%	1.18%	0.57%	0.19%	2.48%

2020 Percent of Total Trips by Transportation Mode - Weekday

	By Car	By Truck	By Bus	By Bike	By Walking
Armour Rd @ Swift St	97.19%	0.98%	0.08%	0.19%	1.55%
Swift St @ Armour Rd	89.85%	2.27%	1.21%	2.73%	3.95%
Armour Rd @ Iron St	97.76%	1.33%	0.09%	0.14%	0.68%
Iron St @ Armour Rd	95.34%	1.56%	0.18%	0.89%	2.03%
Total	96.55%	1.32%	0.21%	0.48%	1.44%

Percent of Total Trips by Bike - Weekday



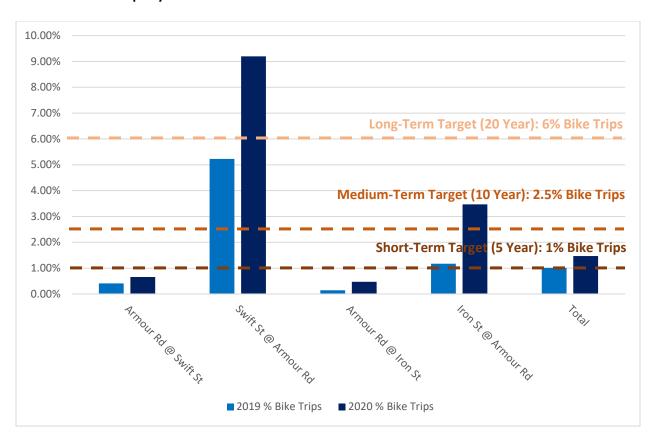
2019 Percent of Total Trips by Transportation Mode – Weekend

	By Car	By Truck	By Bus	By Bike	By Walking
Armour Rd @ Swift St	90.14%	0.87%	0.23%	0.41%	8.35%
Swift St @ Armour Rd	78.67%	0.90%	1.48%	5.23%	13.72%
Armour Rd @ Iron St	98.40%	0.24%	0.18%	0.15%	1.03%
Iron St @ Armour Rd	95.41%	0.36%	0.15%	1.17%	2.91%
Total	93.28%	0.51%	0.36%	1.01%	4.84%

2020 Percent of Total Trips by Transportation Mode - Weekend

	By Car	By Truck	By Bus	By Bike	By Walking
Armour Rd @ Swift St	97.17%	0.33%	0.13%	0.66%	1.72%
Swift St @ Armour Rd	83.10%	0.53%	0.62%	9.20%	6.54%
Armour Rd @ Iron St	97.54%	0.49%	0.17%	0.47%	1.33%
Iron St @ Armour Rd	93.24%	0.71%	0.18%	3.47%	2.40%
Total	95.92%	0.45%	0.19%	1.47%	1.97%

Percent of Total Trips by Bike - Weekend



Full Length (6 AM-8 PM)

All Classes (Lights, Articulated Trucks and Single-Unit Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles

on Crosswalk)

All Movements

ID: 769349, Location: 39.142008, -94.577254

Le g Dire ction	Southb Southb		wift				We stbo We stbo		mour				Northbo Northbo		vift				Eastbou Eastbou		our				
Time	R		L	U	A	Pe d*	Westbo	Т	L	U	Арр	Pe d*	R	Т	L	TT	Арр	Ped*	R	Т	т.	U	App	n. d*	T 4
			14	0	App 40	Peu-	7	250			294	Peu*	3	7		0				116	9	0	128	Peu-	477
2020-06-04 6:00AM	1					3	20	286	37 50	0		1	_	20	1		15 32	0	3 6	143				2	651
7:00AM	8		30	1	103	3 4				0	356		11 9		7		50	3	-	174	11	0	160		
8:00AM 9:00AM	9	53 35	34	0	96	6	24 25	232	42	0	298	13	18	34 24	7		49	10	19 16	195	16	0	209	6	653 646
9:00AM 10:00AM	11	48	47	0	114	- 6	39	279	54	1	373	4	23	38	14	-	75	10	22	214	21	0	257	5	819
10:00AM 11:00AM	25	51	58	0	134	7	40	335	49	0	424	7	52	42	20	_	114	11	30	347	26	0	403	8	1075
12:00PM	25	73	67	0	165	11	40	358	60	0	459	11		55	25		133	17	40	356	30	0	426	6	1183
1:00PM	12	41	62	0	115	3	41	347	58	0	445	14	49	40		0	107	9	23	325	40	0	388	2	1055
2:00PM	26	46	54	0	126	14	40	339	36	0	443	2		33		0	107	6	23	332	35	0	391	3	1033
	18	50	51	0	119	14	37	367	42	0	446	2	47		29	0	118	2	24	367	25	0	416	3	1041
3:00PM 4:00PM	9	32	44	0	85	13	37	398	31	0	464	2	46	43 61		0	152	6	24	390	31	0	443	1	1144
5:00PM	22	27	46	0	95	16	39	303	36	1	379	4	53	46	27		126	4	17	334	30	0	381	7	981
6:00PM	23	24	40	0	87	4	32	244	33	0	309	0	24	24	12	-	60	0	16	258	21	0	295	2	751
7:00PM	11	20	33	0	64	6	27	221	18	0	266	2	23	24		0	52	5	7	164	13	0	184	1	566
Total	219	589	618		1427	95	448	4184	590		5224	77	457	491		0	1190	78	269	3715	316	0	4300	46	12141
% Approach	15.3%	41.3%	43.3%			-	8.6%		11.3%	0%	-		38.4%	41.3%	20.3% 0	%		-	6.3%	86.4%	7.3% (0%	-	-	-
% Total	1.8%	4.9%	5.1%	0%	11.8%	-	3.7%	34.5%	4.9%	0%	43.0%	-	3.8%	4.0%	2.0% 0	%	9.8%	-	2.2%	30.6%	2.6%	0% 3	35.4 %	-	-
Lights	213	536	601	1	1351	-	442	4134	583	2	5161	-	443	424	240	0	1107	-	261	3682	311	0	4254	-	11873
% Lights	97.3%	91.0%	97.2%	100%	94.7%	-	98.7%	98.8%	98.8% 1	100%	98.8%	-	96.9%	86.4%	99.2% 0	% 9	3.0%	-	97.0%	99.1%	98.4% (0% 9	98.9%	-	97.8%
Articulated Trucks and																									
Single-Unit Trucks	5	17	12	0	34	-	5	43	4	0	52	-	9	19	0	0	28	-	7	32	4	0	43	-	157
% Articulated Trucks																									
and Single-Unit Trucks	-	2.9%	1.9%	0%	2.4 %	-	1.1%	1.0%	0.7%	0%	1.0%	-	2.0%	3.9%	0% 0		2.4 %	-	2.6%	0.9%	1.3%		1.0%	-	1.3%
Buses	1	10	5	0	16	-	1	6	0	0	7	-	2	14	1	0	17	-	0	1	0	0	1	-	41
% Buses	0.5%		0.8%	0%	1.1%	-	0.2%	0.1%	0%	0%	0.1%	-	0.4%	2.9%	0.4% 0		1.4 %	-	0%	0%	0% (0 %	-	0.3%
Bicycles on Road	0		0	0	26	-	0	1	3	0	4	-	3	34		0	38	-	1	0		0	2	-	70
% Bicycles on Road	0%	4.4%	0%	0%	1.8%	-	0%	0%	0.5%	0%	0.1%	-	0.7%	6.9%	0.4% 0	%	3.2%	-	0.4%	0%	0.3%)%	0 %	-	0.6%
Pedestrians	-	-	-	-	-	89	-	-	-	-	-	75	-	-	-	-	-	74	-	-	-	-	-	42	
% Pedestrians	-	-	-	-	- 9	93.7%	-	-	-	-	- !	97.4%	-	-	-	-	- (94.9%	-	-	-	-	- 9	1.3%	-
Bicycles on Crosswalk	-	-	-	-	-	6	-	-	-	-	-	2	-	-	-	-	-	4	-	-	-	-	-	4	
% Bicvcles on Crosswalk	I .	_	_	_	_	6.3%	-	-	-	_	-	2.6%	-	_	-	_	-	5.1%	_	-	_	_	-	8.7%	l -l

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

dditional Bi	cycle Trips			
1	10:13 AM	Eastbound Armour		
2	10:21 AM	Westbound Armour to	Southbound	Swift
3	11:15 AM	Northbound Swift to W	estbound Ar	mour
4	12:19 PM	Southbound Swift to W	estbound Ar	rmour
5	12:27 PM	Southbound Swift		
6	12:46 PM	Northbound Swift to W	estbound Ar	mour
7	12:46 PM	Southbound Swift to W	estbound Ar	rmour
8	12:46 PM	Southbound Swift to W	estbound Ar	rmour
9	12:53 PM	Eastbound Armour to S	outhbound S	Swift
10	2:40 PM	Southbound Swift		
11	4:28 PM	Southbound Swift		
12	5:05 PM	Northbound Swift		
13	5:14 PM	Northbound Swift		
14	7:53 PM	Eastbound Armour		

Provided by: BikeWalk KC 1106 East 30th Street, Suite G,

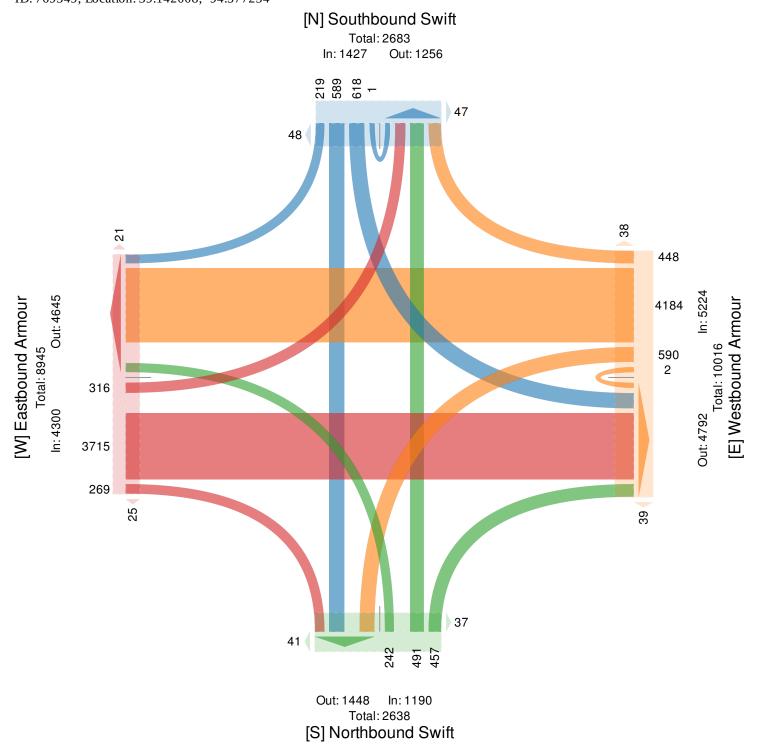
Kansas City, MO, 64109, US

Full Length (6 AM-8 PM)

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

All Movements

ID: 769349, Location: 39.142008, -94.577254



Full Length (6 AM-8 PM)
All Classes (Lights, Articulated Trucks and Single-Unit Trucks, Buses, Pedestrians, Bicycles on Road,

Bicycles on Crosswalk)

All Movements

ID: 769353, Location: 39.142008, -94.577254

Leg Direction	Southb		wift				We stb o	und Ar	mour				Northbo Northbo	ound Sw	vift				Eastbou Eastbou	ınd Arm	our				
Time	Southb	ouna T	т.	U	A	Ped*	Westbo	una T	т.	U	A	Ped*	Normbe R		L	TT	A	Ped*	Eastbot	T T	т.	U	A	Pe d*	Total
2020-06-28 6:00AM			L		App	Ped.		44	L	0	App	Ped*					App	Pe a~		30			App 31	Pe a~	
7:00AM	2	2	5 9		9 18	0	3	44	2	0	48	2	1 2	1		0	6	3	0	47	0	0	48	0	90 120
8:00AM	9	9	9		27	1	2	80	6	0	88	8	2	5		0	7	2	3	61		0	69	1	191
9:00AM	6	13	18	0	37	2		109	16	0	136	5	6	11		0	20		4	132	3		139	1	332
9:00AM 10:00AM	4	11	21	-	36		11 12	176	17	0	205	4	8	8	3	0	19	2	5	158	10	0	173	0	433
10:00AM 11:00AM	19	16	24	0	59	5	25	205	20	0	250	1	19	22	7	0	48	0	13	211	13	0	237	0	594
11:00AM 12:00PM	11	22	26	0	59	11	23	237	15	0	273	6	19	18	12	0	48	5	7	240	22	0	269	3	649
1:00PM	9	18	37		64	7	35	243	17	0	295	2	25	27	5		57	3	8	225	28	0	261	7	677
2:00PM	13	19	41		73	5	33	219	21	0	273	1	17	10	8	0	35	4	8	190	17	0	215	2	596
3:00PM	13	19	36	0	68	3	16	203	11	0	230	2	9	19	4	_	32	2	12	195	27	0	234	3	564
4:00PM	13	13	26	0	52	5	19	213	17	0	249	3	12	13	5	0	30	3	10	199	14	0	223	3	554
5:00PM	13	17	32	0	62	4	19	220	13	0	252	4	14	12	4	_	30	2	13	206	13	0	232	0	576
6:00PM	10	10	24	0	44	11	21	191	7	0	219	2	13	9		0	26	5	10	209	12	0	231	8	520
7:00PM	12	8	21	0	41	12	19	182	10	0	211	7	6	14		0	22	4	10	175	15	0	200	3	474
m . 1																									
Total	135	185	329	0	649	71	239	2365	173	0	2777	51	152	171	59	0	382	38	104	2278	180	0	2562	33	6370
% Approach					649	71	239 8.6%		6.2% (2777			171 44.8%			382	38		2278 88.9%			2562	33	6370
			50.7%	0%	649	71	8.6%			0%	-			44.8%)%	382 - 6.0%	38 - -	4.1%		7.0%	0%	-	33	6370
% Approach	20.8%	28.5%	50.7%	0%	-	71	8.6%	85.2%	6.2% (0%	-		39.8%	44.8%	15.4% ()%	-	- - -	4.1%	88.9%	7.0%	0%	-		- 6237
% Approach	20.8% 2.1% 130	28.5% 2.9% 150	50.7% 5.2% 320	0% 0% 0	10.2%	-	8.6% 3.8% 232	85.2% 37.1% 2351	6.2% (0% 0% 4	13.6% 2750	-	39.8% 2.4% 142	44.8%	15.4% (0.9% (58	0%	6.0 % 337	-	4.1% 1.6% 100	88.9% 35.8%	7.0% (2.8% (0% 0% 4	- 10.2% 2550	-	-
% Approach % Total Lights	20.8% 2.1% 130 96.3%	28.5% 2.9% 150	50.7% 5.2% 320	0% 0% 0	10.2%	-	8.6% 3.8% 232	85.2% 37.1% 2351	6.2% (2.7% (167	0% 0% 4	13.6% 2750	-	39.8% 2.4% 142	44.8% 2.7% 137	15.4% (0.9% (58	0%	6.0 % 337	-	4.1% 1.6% 100	88.9% 35.8% 2270	7.0% (2.8% (0% 0% 4	- 10.2% 2550	-	6237
% Approach % Total Lights % Lights % Lights Articulated Trucks and Single-Unit Trucks	20.8% 2.1% 130 96.3%	28.5% 2.9% 150	50.7% 5.2% 320	0% 0% 0	10.2%	-	8.6% 3.8% 232	85.2% 37.1% 2351	6.2% (2.7% (167	0% 0% 4	13.6% 2750	-	39.8% 2.4% 142	44.8% 2.7% 137	15.4% (0.9% (58	0%	6.0 % 337	-	4.1% 1.6% 100	88.9% 35.8% 2270	7.0% (2.8% (0% 0% 4 0	- 10.2% 2550	-	6237
% Approach % Total Lights % Lights % Lights Articulated Trucks and Single-Unit Trucks % Articulated Trucks	20.8% 2.1% 130 96.3%	28.5% 2.9% 150 81.1%	50.7% 5.2% 320 97.3%	0% 0% 0 0 0% 9	10.2% 600 92.4%	-	8.6% 3.8% 232 97.1%	85.2% 37.1% 2351 99.4%	6.2% (2.7% (167 96.5% (0% 4 0 0 0 0 0 0	- 13.6% 2750 99.0%	-	39.8% 2.4% 142 93.4%	44.8% 2.7% 137 80.1% 9	15.4% (0.9% (58 98.3% (0 0 0	6.0 % 337 38.2 %	-	4.1% 1.6% 100 96.2%	88.9% 35.8% 2270 99.6%	7.0% (2.8% (180 100% (0% 0% 4 0 0% 9	10.2% 2550 99.5%	-	6237 97.9%
% Approach % Total Lights % Lights % Lights Articulated Trucks and Single-Unit Trucks and Single-Unit Trucks	20.8% 2.1% 130 96.3% 1	28.5% 2.9% 150 81.1% 2	50.7% 5.2% 320 97.3% 1	0% 0% 0 0% 0 0%	10.2% 600 92.4% 4	-	8.6% 3.8% 232 97.1% 1	85.2% 37.1% 2351 99.4% 8	6.2% (2.7% (167 96.5% (3	0% 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	13.6% 2750 99.0% 12	-	39.8% 2.4% 142 93.4% 1	44.8% 2.7% 137 80.1% 9	15.4% (0.9% (58 98.3% (0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.0 % 337 38.2 % 2	-	4.1% 1.6% 100 96.2% 1	88.9% 35.8% 2270 99.6% 5	7.0% (2.8% (180 100% (0	0% 4 0% 4 0 0% 9	10.2% 2550 99.5% 6	-	- 6237 97.9% 24
% Approach % Total Lights % Lights % Lights Articulated Trucks and Single-Unit Trucks and Single-Unit Trucks Buses	20.8% 2.1% 130 96.3% 1 0.7%	28.5% 2.9% 150 81.1% 2 1.1%	50.7% 5.2% 320 97.3% 1 0.3% 5	0% 0% 0 0% 9 0 0%	10.2% 600 92.4% 4 0.6%	-	8.6% 3.8% 232 97.1% 1 0.4%	85.2% 37.1% 2351 99.4% 8 0.3%	6.2% (2.7% (167 96.5% (3 1.7% (0% 0 0% 2 0 0 0 0 0 0 0 0	13.6% 2750 99.0% 12 0.4%	-	39.8% 2.4% 142 93.4% 1 0.7%	44.8% 2.7% 137 80.1% 9	15.4% (0.9% (58 98.3% (0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.0 % 337 38.2 % 2 0.5 % 0	-	4.1% 1.6% 100 96.2% 1 1.0%	88.9% 35.8% 2270 99.6% 5	7.0% (2.8% (180 100% (10	0% 0 0% 4 0 0% 9 0 0% 9	- 40.2% 2550 99.5% 6 0.2%	-	- 6237 97.9% 24 0.4%
% Approach % Total Lights % Lights % Lights Articulated Trucks and Single-Unit Trucks % Articulated Trucks and Single-Unit Trucks Buses % Buses	20.8% 2.1% 130 96.3% 1 0.7% 2 1.5%	28.5% 2.9% 150 81.1% 2 1.1% 0	50.7% 5.2% 320 97.3% 1 0.3% 5 1.5%	0% 0% 0 0% 0 0 0%	- 10.2 % 600 92.4 % 4 0.6 % 7 1.1%	-	8.6% 3.8% 232 97.1% 1 0.4% 3 1.3%	85.2% 37.1% 2351 99.4% 8 0.3% 2 0.1%	6.2% (2.7% (167 96.5% (3 1.7% (0 0% (0% 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	13.6% 2750 99.0% 12 0.4% 5 0.2%	-	39.8% 2.4% 142 93.4% 1 0.7% 0	44.8% 2.7% 137 80.1% 9 1 0.6% 0	15.4% (0.9% (58 98.3% (0 0% (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 6.0 % 337 38.2 % 2 0.5 % 0	-	4.1% 1.6% 100 96.2% 1 1.0% 0	88.9% 35.8% 2270 99.6% 5 0.2% 2	7.0% (2.8% (180 100% (0 0% (0 0% (0% 0 0% 4 0 0% 9 0 0% 9	- 10.2% 2550 99.5% 6 0.2% 2 0.1%	-	6237 97.9% 24 0.4% 14 0.2%
% Approach % Total Lights % Lights % Lights Articulated Trucks and Single-Unit Trucks % Articulated Trucks and Single-Unit Trucks Buses % Buses Bicycles on Road	20.8% 2.1% 130 96.3% 1 0.7% 2 1.5%	28.5% 2.9% 150 81.1% 2 1.1% 0 0% 33	50.7% 5.2% 320 97.3% 1 0.3% 5 1.5%	0% 0% 0 0% 0 0 0% 0 0 0%	10.2 % 600 92.4 % 4 0.6 % 7 1.1%	-	8.6% 3.8% 232 97.1% 1 0.4% 3 1.3%	85.2% 37.1% 2351 99.4% 8 0.3% 2 0.1%	6.2% (2.7% (167 96.5% (3 1.7% (0 0% (3	0% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	13.6% 2750 99.0% 12 0.4% 5 0.2%	-	39.8% 2.4% 142 93.4% 1 0.7% 0 0%	44.8% 2.7% 137 80.1% 9 1 0.6% 0 0%	15.4% (0.9% (58 98.3% (0 0% (0 0% (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 6.0 % 337 38.2 % 2 0.5 % 0 0 % 43	-	4.1% 1.6% 100 96.2% 1 1.0% 0 0%	88.9% 35.8% 2270 99.6% 5 0.2% 2 0.1%	7.0% (2.8% (180 (100 (100 (100 (100 (100 (100 (100	0% 0 0% 2 0 0 0% 9 0 0 0 0 0 0 0 0	- 10.2% 2550 99.5% 6 0.2% 2 0.1%	-	6237 97.9% 24 0.4% 14 0.2% 95
% Approach % Total Lights % Lights % Lights Articulated Trucks and Single-Unit Trucks % Articulated Trucks and Single-Unit Trucks Buses % Buses Bicycles on Road	20.8% 2.1% 130 96.3% 1 0.7% 2 1.5%	28.5% 2.9% 150 81.1% 2 1.1% 0 0% 33	50.7% 5.2% 320 97.3% 1 0.3% 5 1.5%	0% 0% 0 0% 0 0 0% 0 0% 0 0%	- 10.2 % 600 92.4 % 4 0.6 % 7 1.1%	-	8.6% 3.8% 232 97.1% 1 0.4% 3 1.3%	85.2% 37.1% 2351 99.4% 8 0.3% 2 0.1%	6.2% (2.7% (167 96.5% (3 1.7% (0 0% (0% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	13.6% 2750 99.0% 12 0.4% 5 0.2%	-	39.8% 2.4% 142 93.4% 1 0.7% 0 0%	44.8% 2.7% 137 80.1% 9 1 0.6% 0	15.4% (0.9% (58 98.3% (0 0% (1 1.7% (0% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 6.0 % 337 38.2 % 2 0.5 % 0 0 % 43	-	4.1% 1.6% 100 96.2% 1 1.0% 0	88.9% 35.8% 2270 99.6% 5 0.2% 2	7.0% (2.8% (180 100% (0 0% (0 0% (0 0% (0 0% (0 0% (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0% 0% 4 0 0% 9 0 0 0% 0 0% 0 0%	- 10.2% 2550 99.5% 6 0.2% 2 0.1%		6237 97.9% 24 0.4% 14 0.2%
% Approach % Total Lights % Lights % Lights Articulated Trucks and Single-Unit Trucks % Articulated Trucks and Single-Unit Trucks Buses % Buses % Buses Bicycles on Road % Bicycles on Road	20.8% 2.1% 130 96.3% 1 0.7% 2 1.5% 2	28.5% 2.9% 150 81.1% 2 1.1% 0 0% 33 17.8%	50.7% 5.2% 320 97.3% 1 0.3% 5 1.5% 3 0.9%	0% 0% 00% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.2 % 600 92.4 % 4 0.6 % 7 1.1% 38 5.9 %	- - - - - - - - - -	8.6% 3.8% 232 97.1% 1 0.4% 3 1.3% 3	85.2% 37.1% 2351 99.4% 8 0.3% 2 0.1%	6.2% (2.7% (167 96.5% (3 1.7% (0 0% (3 1.7% (00% 4 00% 4 00% 9 00% 9 00% 9 00% 00% 0	13.6% 2750 99.0% 12 0.4% 5 0.2% 10	- - - - - - - - - 47	39.8% 2.4% 142 93.4% 1 0.7% 0 0% 9 5.9%	44.8% 2.7% 137 80.1% 9 1 0.6% 0 0% 33 19.3%	15.4% (0.9% (58 98.3% (0 0% (0 1.7% (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.0 % 337 38.2 % 2 0.5 % 0 0 % 43 11.3 %	- - - - - - - - 34	4.1% 1.6% 100 96.2% 1 1.0% 0 0%	88.9% 35.8% 2270 99.6% 5 0.2% 2 0.1% 1 0%	7.0% (2.8% (180 100% (0 0% (0 0% (0 0% (00% 00% 4 00% 9 00% 9 00% 00% 00%	10.2% 2550 99.5% 6 0.2% 2 0.1% 4 0.2%	- - - - - - - 27	6237 97.9% 24 0.4% 14 0.2% 95
% Approach % Total Lights % Lights % Lights Articulated Trucks and Single-Unit Trucks and Single-Unit Trucks and Single-Unit Trucks Buses % Buses % Buses Bicycles on Road % Bicycles on Road Pedestrians % Pedestrians	20.8% 2.1% 130 96.3% 1 0.7% 2 1.5% 2 1.5%	28.5% 2.9% 150 81.1% 2 1.1% 0 0% 33 17.8%	50.7% 5.2% 320 97.3% 1 0.3% 5 1.5% 3 0.9%	0% 0% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.2 % 600 92.4 % 4 0.6 % 7 1.1% 38 5.9 %	- - - - - - - - 60 84.5%	8.6% 3.8% 232 97.1% 1 0.4% 3 1.3%	85.2% 37.1% 2351 99.4% 8 0.3% 2 0.1%	6.2% (2.7% (167 96.5% (3 1.7% (0 0% (3 1.7% (0% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	13.6% 2750 99.0% 12 0.4% 5 0.2% 10	- - - - - - - - 47	39.8% 2.4% 142 93.4% 1 0.7% 0 0% 9 5.9%	44.8% 2.7% 137 80.1% 9 1 0.6% 0 0%	15.4% (0.9% (58 98.3% (0 0% (1 1.7% (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.0 % 337 38.2 % 2 0.5 % 0 0 % 43 11.3 %	-	4.1% 1.6% 100 96.2% 1 1.0% 0 0%	88.9% 35.8% 2270 99.6% 5 0.2% 2 0.1%	7.0% (2.8% (180 100% (0 0% (0 0% (0 0 0	00% 00% 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.2% 2550 99.5% 6 0.2% 2 0.1% 4 0.2%		6237 97.9% 24 0.4% 14 0.2% 95
% Approach % Total Lights % Lights % Lights Articulated Trucks and Single-Unit Trucks % Articulated Trucks and Single-Unit Trucks Buses % Buses % Buses Bicycles on Road % Bicycles on Road	20.8% 2.1% 130 96.3% 1 0.7% 2 1.5% 2 1.5%	28.5% 2.9% 150 81.1% 2 1.1% 0 0% 33 17.8%	50.7% 5.2% 320 97.3% 1 0.3% 5 1.5% 3 0.9%	0% 0% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.2 % 600 92.4 % 4 0.6 % 7 1.1 % 38 5.9 %	- - - - - - - - - -	8.6% 3.8% 232 97.1% 1 0.4% 3 1.3% 3	85.2% 37.1% 2351 99.4% 8 0.3% 2 0.1%	6.2% (2.7% (167 96.5% (3 1.7% (0 0% (3 1.7% (00% 4 00% 4 00% 9 00% 9 00% 9 00% 00% 0	13.6% 2750 99.0% 12 0.4% 5 0.2% 10	- - - - - - - - - 47	39.8% 2.4% 142 93.4% 1 0.7% 0 0% 9 5.9%	44.8% 2.7% 137 80.1% 9 1 0.6% 0 0% 33 19.3%	15.4% (0.9% (58 98.3% (0 0% (1 1.7% (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 6.0 % 337 38.2 % 2 0.5 % 0 % 43 11.3 %	- - - - - - - - 34	4.1% 1.6% 100 96.2% 1 1.0% 0 0%	88.9% 35.8% 2270 99.6% 5 0.2% 2 0.1% 1 0%	7.0% (2.8% (180 100% (0 0% (0 0% (0 0% (00% 00% 4 00% 9 00% 9 00% 00% 00%	-10.2% 2550 99.5% 6 0.2% 2 0.1% 4 0.2%	- - - - - - - 27	6237 97.9% 24 0.4% 14 0.2% 95

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

dditional Bio	ycle Trips				
1	9:26 AM	Northbound	Swift		
2	9:54 AM	Eastbound A	Armour to S	outhbound !	Swift
3	10:18 AM	Eastbound A	Armour U-Tu	ırn	
4	10:27 AM	Westbound	Armour to I	Northbound	Swift
5	11:50 AM	Northbound	Swift		
6	11:50 AM	Northbound	Swift		
7	12:05 PM	Southbound	Swift to Ea	stbound Arr	mour
8	12:22 PM	Southbound	Swift		
9	12:22 PM	Southbound	Swift		
10	12:22 PM	Southbound	Swift		
11	12:22 PM	Southbound	Swift		
12	12:37 PM	Northbound	Swift		
13	12:54 PM	Northbound	Swift		
14	2:18 PM	Northbound	Swift to Ea	stbound Arr	nour
15	2:50 PM	Northbound	Swift to Ea	stbound Arr	nour
16	3:24 PM	Northbound	Swift		
17	3:54 PM	Westbound	Armour to I	Northbound	Swift
18	4:25 PM	Westtbound	1 Armour		
19	4:39 PM	Westbound	Armour		
20	4:49 PM	Westbound	Armour		
21	7:17 PM	Southbound	Swift to Ea	stbound Arr	mour
22	7:57 PM	Eastbound A	Armour		

Provided by: Bike Walk KC 1106 East 30th Street, Suite G, Kansas City, MO, 64109, US

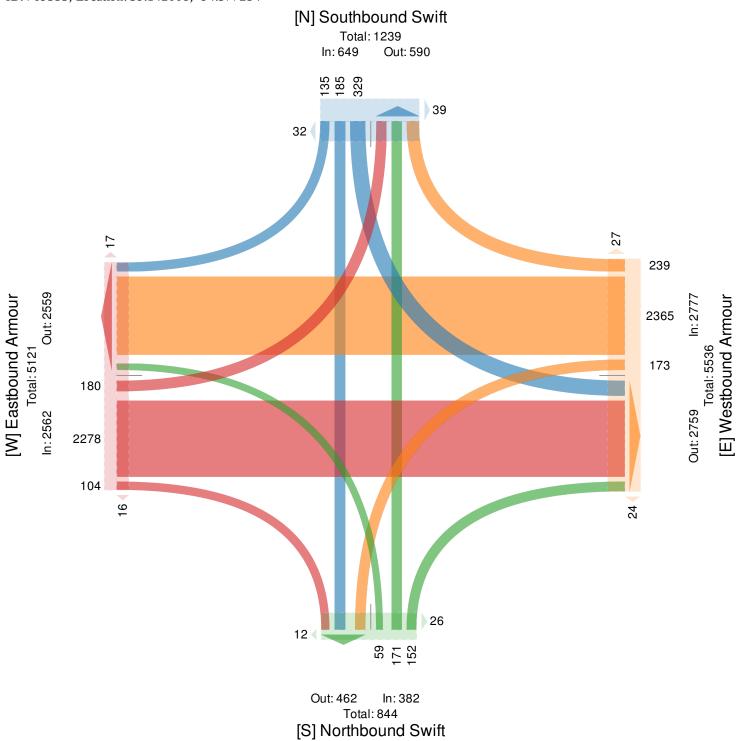
Sun Jun 28, 2020

Full Length (6 AM-8 PM)

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

All Movements

ID: 769353, Location: 39.142008, -94.577254



Full Length (6 AM-8 PM)
All Classes (Lights, Articulated Trucks and Single-Unit Trucks, Buses, Pedestrians, Bicycles on Road,

Bicycles on Crosswalk)

All Movements

ID: 769382, Location: 39.143035, -94.571475

Leg	Southbo	ound Ir	on				Westbo	und Ar	mour				Northbo	ound Iro	on				Eastbou	nd Arm	nour				
Dire ction	Southbo	ound					Westbo	und					Northbo	ound					Eastbou	nd					
Time	R	T	L	U	App	Pe d*	R	T	L	U	App	Pe d*	R	T	L	U	App	Pe d*	R	T	L	U	App	Pe d*	Int
2020-06-04 6:00AM	6	16	20	0	42	0	9	352	53	0	4 14	2	10	5	4	0	19	2	2	127	2	0	131	0	606
7:00AM	6	27	28	0	61	4	13	425	53	0	491	4	37	12	5	0	54	1	13	173	5	0	191	0	797
8:00AM	6	21	31	0	58	7	23	345	67	0	435	0	39	10	8	0	57	1	10	214	2	0	226	1	776
9:00AM	7	24	48	0	79	8	28	342	48	0	4 18	0	43	19	9	0	71	1	8	261	3	0	272	3	840
10:00AM	16	19	62	0	97	5	35	376	48	0	459	0	66	23	15	0	104	3	11	296	4	0	311	0	971
11:00 AM	16	19	59	0	94	5	32	489	77	0	598	0	54	14	18	0	86	7	11	471	8	0	490	0	1268
12:00PM	22	28	57	0	107	6	45	499	58	0	602	3	58	16	13	0	87	6	11	538	13	0	562	2	1358
1:00PM	16	14	45	0	75	2	38	450	54	0	542	3	62	13	9	0	84	2	12	457	6	0	475	1	1176
2:00PM	16	10	54	0	80	6	46	444	39	0	529	2	49	10	12	0	71	3	11	476	9	0	496	2	1176
3:00PM	13	19	41	0	73	3	39	421	58	0	518	4	73	25	20	0	118	1	10	538	7	0	555	1	1264
4:00PM	14	17	70	0	101	9	49	446	64	0	559	2	64	23	23	0	110	4	25	507	10	0	542	1	1312
5:00PM	4	13	36	0	53	3	41	377	46	1	465	4	68	23	22	0	113	2	19	468	15	0	502	4	1133
6:00PM	8	11	35	0	54	4	44	311	20	0	375	3	33	20	15	0	68	1	6	328	14	0	348	5	845
7:00PM	4	4	29	0	37	1	27	264	17	0	308	0	37	18	19	0	74	4	4	242	5	0	251	2	670
Total	154	242	615	0	1011	63	469	5541	702	1	6713	27	693	231	192	0	1116	38	153	5096	103	0	5352	22	14 19 2
% Approach	15 2%	22.00/	60.8%	0%	-	-	7.0%	82.5%	10.5%	0%	-	-	62.1%	20.7%	17.2% ()%	-	-	2.9% 9	95.2%	1.9% ()%	-	-	
	13.2 /0	23.9%	00.070																						-
% Total		1.7%	4.3%	0%	7.1%	-	3.3%	39.0%	4.9%	0%	47.3%	-	4.9%	1.6%	1.4% ()%	7.9%	-	1.1%		0.7% (37.7%	-	
% Total Lights				0%	7.1% 990	-	3.3%	39.0% 5469	4.9% 685	0%	47.3% 6616	-	4.9% 681	1.6% 219	1.4% (0	7.9% 1091	-	1.1%				37.7% 5273	-	13970
Lights	1.1% 153	1.7% 230	4.3% 607	0	990	-		5469	685	1	6616	-	681	219		0	1091	-		35.9% 5019	0.7% (0 % 3	5273	-	13970 98.4%
Lights	1.1% 153	1.7% 230	4.3% 607	0	990	-	461	5469	685	1	6616	-	681	219	191	0	1091	-	152	35.9% 5019	0.7% (0 % 3	5273	-	
Lights % Lights	1.1% 153	1.7% 230 95.0%	4.3% 607	0	990	-	461	5469	685	1	6616	- - -	681	219	191	0	1091	- - -	152	35.9% 5019	0.7% (0 9 9	5273	- - -	
Lights % Lights % Lights Articulated Trucks and Single-Unit Trucks % Articulated Trucks	1.1% 153 99.4%	1.7% 230 95.0% 5	4.3% (607 98.7% (0 0% 9	990 97.9%	-	461 98.3%	5469 98.7% 67	685 97.6%	1100%	6616 98.6% 88	- - -	681 98.3%	219 94.8%	191 99.5% (0 0% 9 0	1091 07.8% 21	-	152 99.3% 9	35.9% 5019 98.5% 9	0.7% (102 99.0% (0 0 0 9 0	5273 98.5% 74	-	98.4% 196
Lights % Lights Articulated Trucks and Single-Unit Trucks % Articulated Trucks and Single-Unit Trucks	1.1% 153 99.4% 1	1.7% 230 95.0% 5 2.1%	4.3% (607 98.7% (7	0 0% 9 0	990 97.9% 13 1.3%	- - -	461 98.3%	5469 98.7% 67 1.2%	685 97.6% 14 2.0%	1 100% 0 0%	6616 98.6% 88 1.3%	- - - -	681 98.3% 10 1.4%	219 94.8% 10 4.3%	191 99.5% (1 0.5% (0 9 9 0	1091 97.8 % 21 1.9 %	- - - -	152 99.3% 9 0	35.9% 5019 98.5% 73	0.7% (102 99.0% (1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5273 98.5 % 74 1.4 %	-	98.4% 196 1.4%
Lights % Lights % Lights Articulated Trucks and Single-Unit Trucks % Articulated Trucks and Single-Unit Trucks Buses	1.1% 153 99.4% 1 0.6%	1.7% 230 95.0% 5 2.1%	4.3% (607 98.7% (7 1.1% (0 0% 9 0 0%	990 97.9% 13 1.3% 2	- - -	461 98.3% 7 1.5%	5469 98.7% 67 1.2% 5	685 97.6% 14 2.0% 0	1 100% 0 0%	6616 98.6% 88 1.3% 6	- - - -	681 98.3% 10 1.4%	219 94.8% 10 4.3%	191 99.5% (1 0.5% (0 9 9 0 9 0 0 0 0 0	1091 97.8% 21 1.9% 2	- - - -	152 99.3% 9 0 0% 1	35.9% 5019 98.5% 73 1.4% 4	0.7% (102 99.0% (1 1.0% (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5273 98.5 % 74 1.4 % 5	- - - -	98.4% 196 1.4%
Lights % Lights % Lights Articulated Trucks and Single-Unit Trucks % Articulated Trucks and Single-Unit Trucks Buses % Buses	1.1% 153 99.4% 1 0.6% 0	1.7% 230 95.0% 5 2.1% 1 0.4%	4.3% (607 98.7% (7 1.1% (1 0.2% (0 0% 9 0 0 0% 0	990 97.9% 13 1.3% 2 0.2%	-	461 98.3% 7 1.5% 1 0.2%	5469 98.7% 67 1.2% 5 0.1%	685 97.6% 14 2.0% 0	1 100% 0 0% 0 0%	6616 98.6% 88 1.3% 6	- - - -	681 98.3% 10 1.4% 1 0.1%	219 94.8% 10 4.3% 1 0.4%	191 99.5% (1 0.5% (0 0% (0 0 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1091 97.8 % 21 1.9 % 2 0.2 %	-	152 99.3% 9 0 0% 1 0.7%	35.9% 5019 98.5% 73 1.4% 4 0.1%	0.7% (102 99.0% (1 1.0% (0 0% (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5273 98.5 % 74 1.4 % 5 0.1%	-	98.4% 196 1.4% 15
Lights % Lights % Lights Articulated Trucks and Single-Unit Trucks % Articulated Trucks and Single-Unit Trucks Buses % Buses Bicycles on Road	1.1% 153 99.4% 1 0.6% 0 0%	1.7% 230 95.0% 5 2.1% 1 0.4%	4.3% (607 98.7% (7 1.1% (0.2% (0 0% 9 0 0% 0 0% 0	990 97.9% 13 1.3% 2 0.2%	- - - -	461 98.3% 7 1.5% 1 0.2%	5469 98.7% 67 1.2% 5 0.1%	685 97.6% 14 2.0% 0 0% 3	1 100% 0 0% 0 0%	6616 98.6% 88 1.3% 6 0.1%	- - - - -	681 98.3% 10 1.4% 1 0.1%	219 94.8% 10 4.3% 1 0.4%	191 99.5% (1 0.5% (0 0% (0 0 0 0 0 0 0 0 0 0	1091 07.8% 21 1.9% 2 0.2%	- - - -	152 99.3% 9 0 0% 1 0.7%	35.9% 5019 98.5% 73 1.4% 4 0.1%	0.7% (102 99.0% (1 1.0% (0 0% (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5273 98.5 % 74 1.4 % 5 0.1%	- - - - - -	98.4% 196 1.4% 15 0.1%
Lights % Lights % Lights Articulated Trucks and Single-Unit Trucks % Articulated Trucks and Single-Unit Trucks Buses % Buses Bicycles on Road % Bicycles on Road	1.1% 153 99.4% 1 0.6% 0 0%	1.7% 230 95.0% 5 2.1% 1 0.4%	4.3% (607 98.7% (7 1.1% (1 0.2% (0 0% 9 0 0% 0 0% 0 0%	990 97.9% 13 1.3% 2 0.2%	- - - - -	461 98.3% 7 1.5% 1 0.2% 0	5469 98.7% 67 1.2% 5 0.1%	685 97.6% 14 2.0% 0	1 100% 0 0% 0 0% 0	6616 98.6% 88 1.3% 6 0.1% 3	- - - - - -	681 98.3% 10 1.4% 1 0.1%	219 94.8% 10 4.3% 1 0.4% 1 0.4%	191 99.5% (1 0.5% (0 0% (0 0 0 0 0 0 0 0 0 0	1091 97.8 % 21 1.9 % 2 0.2 %	- - - -	152 99.3% 9 0 0% 1 0.7%	35.9% 5019 98.5% : 73 1.4% 4 0.1% 0	0.7% (102 99.0% (1 1.0% (0 0% (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5273 98.5% 74 1.4% 5 0.1% 0	- - - -	98.4% 196 1.4% 15
Lights % Lights % Lights Articulated Trucks and Single-Unit Trucks % Articulated Trucks and Single-Unit Trucks Buses % Buses Bicycles on Road % Bicycles on Road Pedestrians	1.1% 153 99.4% 1 0.6% 0 0% 0%	1.7% 230 95.0% 5 2.1% 1 0.4%	4.3% (607 98.7% (7 1.1% (0.2% (0 0% (0 0% 9 0 0% 0 0% 0 0%	990 97.9% 13 1.3% 2 0.2% 6	- - - - - - - - - - - - - - - -	461 98.3% 7 1.5% 1 0.2% 0	5469 98.7% 67 1.2% 5 0.1%	685 97.6% 14 2.0% 0 0% 3	1 100% 0 0% 0 0% 0 0%	6616 98.6% 88 1.3% 6 0.1% 3	- - - - - - - 27	681 98.3% 10 1.4% 1 0.1%	219 94.8% 10 4.3% 1 0.4% 1 0.4%	191 99.5% (1 0.5% (0 0% (0 0 0 0 0 0 0 0 0 0 0 0	1091 27.8% 21 1.9% 2 0.2% 2	- - - - 32	152 99.3% 9 0 0% 1 0.7%	35.9% 5019 98.5% ! 73 1.4% 4 0.1% 0 0%	0.7% (102 99.0% (1 1.0% (0 0% (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5273 98.5% 74 1.4% 5 0.1% 0%	- - - - 21	98.4% 196 1.4% 15 0.1%
Lights % Lights % Lights Articulated Trucks and Single-Unit Trucks % Articulated Trucks and Single-Unit Trucks Buses % Buses Bicycles on Road % Bicycles on Road Pedestrians % Pedestrians	1.1% 153 99.4% 1 0.6% 0 0% 0	1.7% 230 95.0% 5 2.1% 1 0.4% 6 2.5%	4.3% (607 98.7% (7 1.1% (0.2% (0	0 0% 9 0 0% 0 0% 0 0%	990 97.9% 13 1.3% 2 0.2% 6	92.1%	461 98.3% 7 1.5% 1 0.2% 0	5469 98.7% 67 1.2% 5 0.1% 0	685 97.6% 14 2.0% 0 0% 3	1 100% 0 0% 0 0% 0	6616 98.6% 88 1.3% 6 0.1% 3	100%	681 98.3% 10 1.4% 1 0.1% 1 0.1%	219 94.8% 10 4.3% 1 0.4% 1 0.4%	191 99.5% (1 0.5% (0 0% (0 0 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1091 27.8% 21 1.9% 2 0.2% 2	- - - -	152 99.3% 9 0 0% 1 0.7% 0	35.9% 5019 98.5% : 73 1.4% 4 0.1% 0	0.7% (102 99.0% (1 1.0% (0 0% (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5273 98.5% 74 1.4% 5 0.1% 0	- - - -	98.4% 196 1.4% 15 0.1%
Lights % Lights % Lights Articulated Trucks and Single-Unit Trucks % Articulated Trucks and Single-Unit Trucks Buses % Buses Bicycles on Road % Bicycles on Road Pedestrians	1.1% 153 99.4% 1 0.6% 0 0% 0%	1.7% 230 95.0% 5 2.1% 1 0.4% 6 2.5%	4.3% (607 98.7% (7 1.1% (0.2% (0 0% (0 0% 9 0 0% 0 0% 0 0%	990 97.9% 13 1.3% 2 0.2% 6 0.6%		461 98.3% 7 1.5% 1 0.2% 0	5469 98.7% 67 1.2% 5 0.1% 0	685 97.6% 14 2.0% 0 0% 3	1 100% 0 0% 0 0% 0 0%	6616 98.6% 88 1.3% 6 0.1% 3		681 98.3% 10 1.4% 1 0.1% 1 0.1%	219 94.8% 10 4.3% 1 0.4% 1 0.4%	191 99.5% (1 0.5% (0 0% (0 0 0 0 0 0 0 0 0 0 0 0	1091 107.8 % 21 1.9 % 2 0.2 % 2	- - - - 32	152 99.3% 9 0 0% 1 0.7% 0	35.9% 5019 98.5% ! 73 1.4% 4 0.1% 0 0%	0.7% (102 99.0% (1 1.0% (0 0% (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5273 98.5% 74 1.4% 5 0.1% 0	- - - - 21	98.4% 196 1.4% 15 0.1%

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

dditior	nal Bicycle 1	Trips			
1	8:38 AM	Eastbound A	Armour to S	outhbound	Iron
2	1:56 PM	Westbound	Armour to l	Northboun	d Iron
3	3:43 PM	Eastbound A	Armour to S	outhbound	Iron
4	4:18 PM	Eastbound A	Armour to S	outhbound	Iron
5	4:45 PM	Southbound	Iron to We	stbound A	rmour
6	4:46 PM	Northbound	Iron to Eas	tbound Ar	mour
7	5:03 PM	Northbound	Iron to Eas	tbound Ar	mour
8	5:59 PM	Northbound	Iron to Eas	tbound Ar	mour
9	5:59 PM	Northbound	Iron to Eas	tbound Ar	mour
10	6:01 PM	Southbound	Iron		
11	6:01 PM	Southbound	Iron		
12	6:07 PM	Southbound	Iron to We	stbound A	rmour
13	6:07 PM	Southbound	Iron to We	stbound A	rmour
14	6:40 PM	Southbound	Iron		
15	6:44 PM	Southbound	Iron to We	stbound A	rmour
16	7:01 PM	Southbound	Iron to We	stbound A	rmour

Provided by: BikeWalk KC

1106 East 30th Street, Suite G, Kansas City, MO, 64109, US

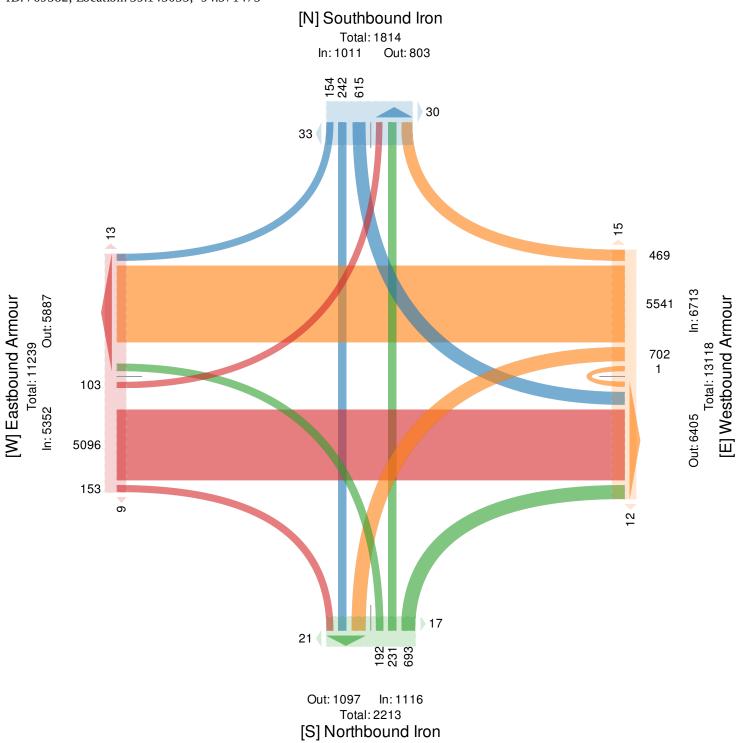
Full Length (6 AM-8 PM)

All Classes (Lights, Articulated Trucks and Single-Unit Trucks, Buses, Pedestrians,

Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 769382, Location: 39.143035, -94.571475



Provided by: Bike Walk KC

1106 East 30th Street, Suite G,

Kansas City, MO, 64109, US

Full Length (6 AM-8 PM)

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

All Movements

ID: 769383, Location: 39.143035, -94.571475

Leg	Southbo		on				Westbo		mour					ound Iro	n				Eastbo		mour				
Direction	Southbo						Westbo						Northbo						Eastbo						
Time	R	T		U	App	Ped*	R	T	L	U	App	Pe d*	R	T	L		App	Pe d*	R	T	L	U	App	Pe d*	
2020-06-28 6:00AM	1	3	5	0	9	2	5	60	5	0	70	2	4	3	0	0	7	1	1	38	0	0	39	0	125
7:00AM	1	1	14	0	16	5	14	55	7	0	76	4	2	1	1	0	4	3	0	48	1	0	49	1	145
8:00AM	3	5	14	0	22	0	14	101	5	0	120	0	8	6	0	0	14	3	1	61	2	0	64	0	220
9:00AM	3	5	29	0	37	3	11	144	11	0	166	2	9	6	0	0	15	1	7	136	4	0	147	1	365
10:00AM	5	11	28	0	44	6	23	217	33	0	273	2	24	12	8	0	44	3	12	164	8	0	184	1	545
11:00AM	8	12	34	0	54	4	21	241	24	0	286	0	40	12	10	0	62	0	8	237	5	0	250	0	652
12:00PM	7	9	41	0	57	8	32	281	29	0	342	6	29	10	12	0	51	5	10	273	8	0	291	0	741
1:00PM	8	11	39	0	58	7	40	271	23	0	334	5	30	24	11	0	65	7	8	284	6	0	298	4	755
2:00PM	4	12	24	0	40	4	34	271	34	0	339	0	33	14	15	0	62	6	9	267	6	0	282	0	723
3:00PM	2	7	34	0	43	2	33	239	13	0	285	1	38	11	11	0	60	1	6	250	13	0	269	0	657
4:00PM	4	8	32	0	44	4	40	254	24	0	318	0	25	20	11	0	56	1	8	245	10	0	263	2	681
5:00PM	4	8	23	0	35	0	37	272	23	0	332	2	11	14	10	0	35	9	9	262	9	0	280	0	682
6:00PM	7	4	33	0	44	10	34	239	10	0	283	3	16	12	5	0	33	5	10	253	13	0	276	0	636
7:00PM	3	6	26	0	35	7	25	224	13	0	262	5	15	5	4	0	24	1	4	231	12	0	247	1	568
Total	60	102	376	0	538	62	363	2869	254	0	3486	32	284	150	98	0	532	46	93	2749	97	0	2939	10	7495
% Approach	11.2%	19.0%	69.9%	0%	-	-	10.4%	32.3%	7.3% ()%	-	-	53.4%	28.2%	18.4% 0	%	-	-	3.2% 9	93.5%	3.3% (0%	-	-	-
% Total	0.8%	1.4%	5.0%	0%	7.2%	-	4.8%	38.3%	3.4% ()% 4	6.5%	-	3.8%	2.0%	1.3% 0	%	7.1%	-	1.2% 3	36.7%	1.3% (0% 3	39.2%	-	-
Lights	59	95	371	0	525	-	359	2848	253	0	3460	-	282	140	98	0	520	-	93	2731	96	0	2920	-	7425
% Lights	98.3%	93.1%	98.7%	0% 9	7.6%	-	98.9%	99.3% !	99.6% (9% 9	9.3%	-	99.3%	93.3%	100% 0	% 9	7.7%	-	100% 9	99.3%	99.0% (0% 9	9.4 %	-	99.1%
Articulated Trucks and																									
Single-Unit Trucks	1	1	3	0	5	-	3	16	1	0	20	-	2	1	0	0	3	-	0	12	0	0	12	-	40
% Articulated Trucks																									
and Single-Unit Trucks			0.8%		0.9%	-	0.8%		0.4% (0.6%	-	0.7%	0.7%	0% 0		0.6%	-		0.4%			0.4 %	-	0.5%
Buses	0	0	2	0	2	-	1	5	0	0	6	-	0	0	0	0	0	-	0	4	1	0	5	-	13
% Buses	0%	0%	0.5%		0.4%	-	0.3%	0.2%	0% 0		0.2%	-	0%	0%	0% 0		0%	-	0%	0.1%	1.0% (0.2%	-	0.2%
Bicycles on Road	0	6	0	0	6	-	0	0	0	0	0	-	0	9	0	0	9	-	0	2	0	0	2	-	17
% Bicycles on Road	0%	5.9%	0%	0%	1.1%	-	0%	0%	0% 0)%	0 %	-	0%	6.0%	0% 0	%	1.7%	-	0%	0.1%	0% (0%	0.1%	-	0.2%
Pedestrians	-	-	-	-	-	51	-	-	-	-	-	20	-	-	-	-	-	36	-	-	-	-	-	7	
% Pedestrians	-	-	-	-	- 8	32.3%	-	-	-	-	- (62.5%	-	-	-	-	- 7	78.3%	-	-	-	-	- 7	70.0%	-
Bicycles on Crosswalk	-	-	-	-	-	11	-	-	-	-	-	12	-	-	-	-	-	10	-	-	-	-	-	3	
% Bicycles on Crosswalk	-	-	-	-	-	17.7%	-	-	-	-	- 3	37.5%	-	-	-	-	- 2	21.7%	-	-	-	-	- 3	30.0%	-

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

Additional Bio	cycle Trips	
1	8:02 AM	Southbound Iron to Westbound Armour
2	10:01 AM	Southbound Iron to Westbound Armour
3	10:29 AM	Northbound Iron
4	11:03 AM	Southbound Iron to Westbound Armour]
5	12:00 PM	Southbound Iron
6	12:09 PM	Westbound Armour to Northbound Iron
7	12:29 PM	Eastbound Armour to Southbound Iron
8	12:29 PM	Eastbound Armour to Southbound Iron
9	12:29 PM	Eastbound Armour to Southbound Iron
10	12:29 PM	Eastbound Armour to Southbound Iron
11	12:30 PM	Northbound Iron to Eastbound Armour
12	1:12 PM	Northbound Iron
13	3:05 PM	Eastbound Armour
14	4:37 PM	Southbound Iron to Westbound Armour
15	5:33 PM	Northbound Iron to Westbound Armour
16	5:36 PM	Westbound Armour to Northbound Iron
17	7:59 PM	Eastbound Armour

Provided by: Bike Walk KC

1106 East 30th Street, Suite G, Kansas City, MO, 64109, US

Sun Jun 28, 2020

Full Length (6 AM-8 PM)

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

All Movements

ID: 769383, Location: 39.143035, -94.571475

