

Project Background

The annual Lawrence count data was collected following the National Bicycle & Pedestrian Documentation Project (NBPDP) methodology (<http://bikepeddocumentation.org>). The project aims to establish a consistent methodology for counting and surveying bicyclists and pedestrians and develop a national database of bicycle and pedestrian activity. The Institute of Transportation Engineers (ITE) and transportation professionals nationwide have helped to develop the methodology, which requires the following features:

- Consistent days and times
- Consistent methods and materials, including training of volunteers
- Centralized data collection and analysis practices

Lawrence Bicycle and Pedestrian count locations were developed consistent with the methodology developed for the NBPDP by Alta Planning and based on the following criteria:

- Representative locations throughout the city
- Bicycle and pedestrian activity areas or corridors (downtowns, near schools, parks, etc.)
- Locations near proposed major bicycle or pedestrian improvements
- Key corridors that can be used to gauge the impacts of future improvements
- Places where counts have been conducted historically
- Locations where collisions between motor vehicles and bicycles and/or pedestrians are more prevalent

A screen line was established for all locations; when a bicyclist or pedestrian passed the screen line, they were counted. Counts were conducted during three two-hour time slots. Dates for conducting counts were chosen based on the National Bicycle and Pedestrian Documentation Project's recommended September count weeks.

2019 Counts

In September 2019, the MPO staff coordinated 28 volunteers to count 14 locations throughout the community.

Annual Average Daily Trips (AADT) map – Page 2

The MPO projects Annual Average Daily Trips (AADT) in the corridors counted based on 2011-2019 bicycle & pedestrian counts. They range from projected 513 daily trips on the N. 2nd Street Bridge to 37 daily trips on Kasold Drive at the intersection with Harvard Road.

Annual Average Daily Traffic (AADT) - Mode Share maps – Page 3 - 6

The MPO is collecting and tracking the data to analyze the breakdown of trip types in our region. To do this, we use the national methodology to calculate an average annual daily number of bicycle and pedestrian trips per location. We then use the KDOT annual average daily vehicle traffic count numbers to calculate the travel percentage breakdown of trips by mode. This is of particular importance to transportation planners, because changes in trip types can have large impacts on health, environment, and congestion. In the Mode Share maps below, Lawrence is split into four quadrants along Iowa Street and Bob Billings Parkway/15th Street to show trip modes based on 2011-2019 counts.

Most Recent Count Data for Each Count Location – Page 7-10

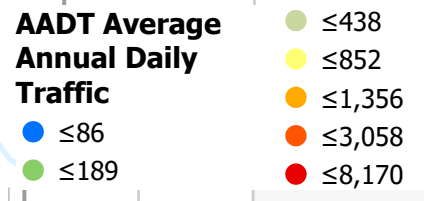
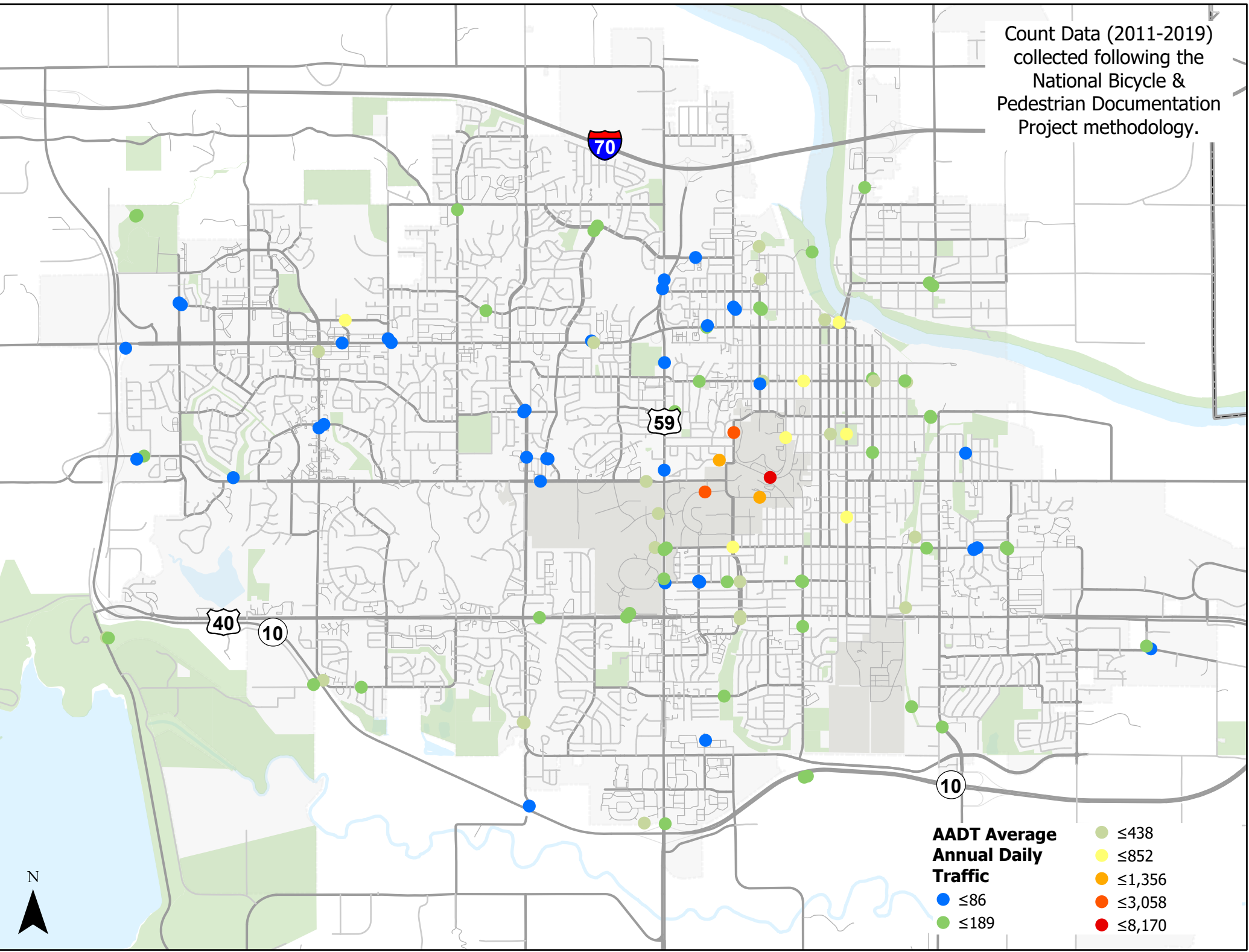
Count Results

Transportation planners and engineers use the data collected on bicycling and walking to assist City and Regional Leaders with estimating usage and demand for bicycle and pedestrian facilities. The counts are also used to track the region's progress on increasing the use of non-motorized transportation, strengthen grant applications to leverage additional federal funding for bicycle and pedestrian projects, evaluate existing projects (before and after counts), and help determine the location of future investments.

Lawrence Bicycle & Pedestrian Annual Average Daily Trips (AADT)



Count Data (2011-2019)
collected following the
National Bicycle &
Pedestrian Documentation
Project methodology.

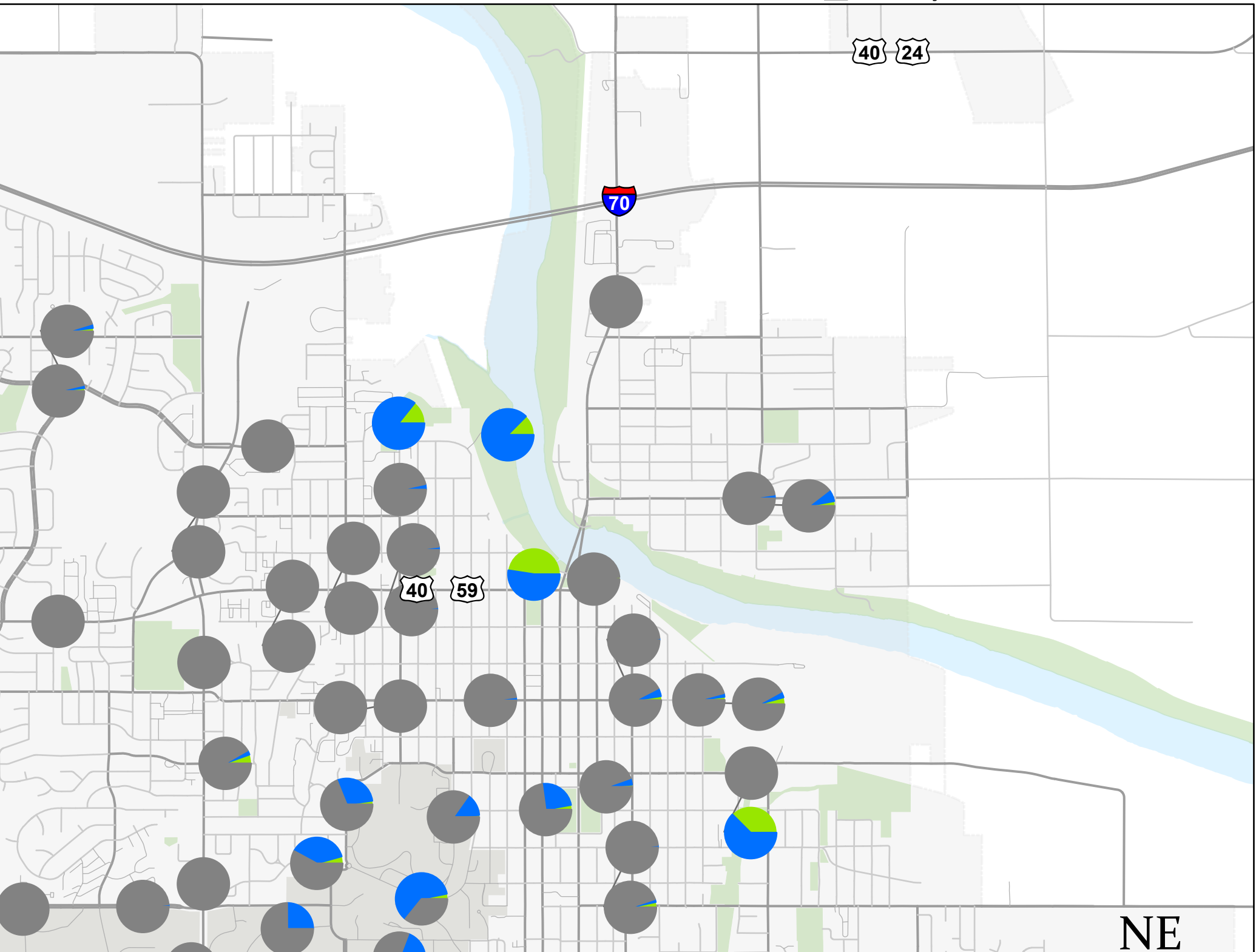


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Lawrence Annual Average Daily Traffic (AADT) - Mode Share

- Bicyclist Percentage
- Pedestrian Percentage
- Vehicle Percentage

Count Data (2011-2019) collected following the National Bicycle & Pedestrian Documentation Project methodology.



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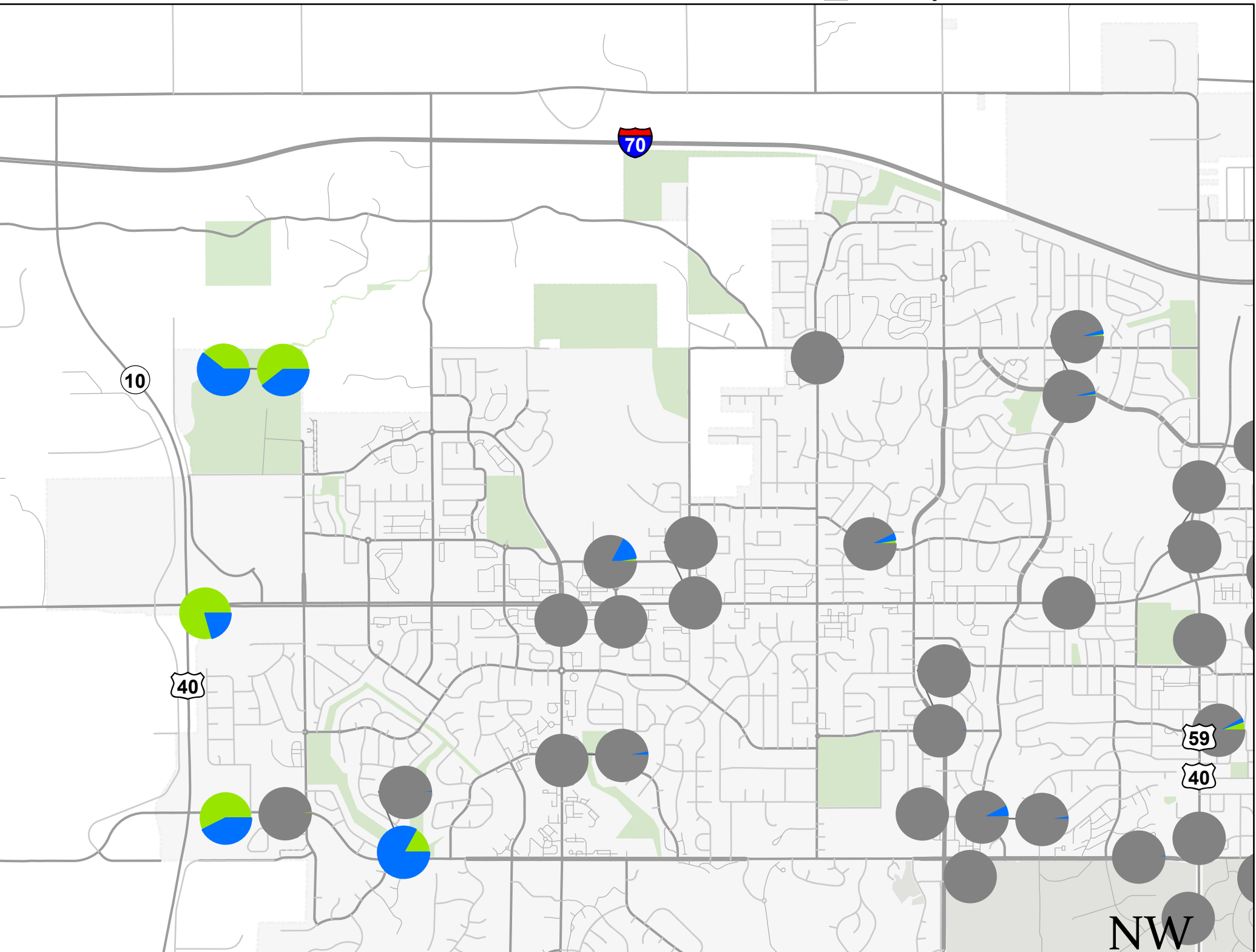


NE

Lawrence Annual Average Daily Traffic (AADT) - Mode Share

- Bicyclist Percentage
- Pedestrian Percentage
- Vehicle Percentage

Count Data (2011-2019) collected following the National Bicycle & Pedestrian Documentation Project methodology.



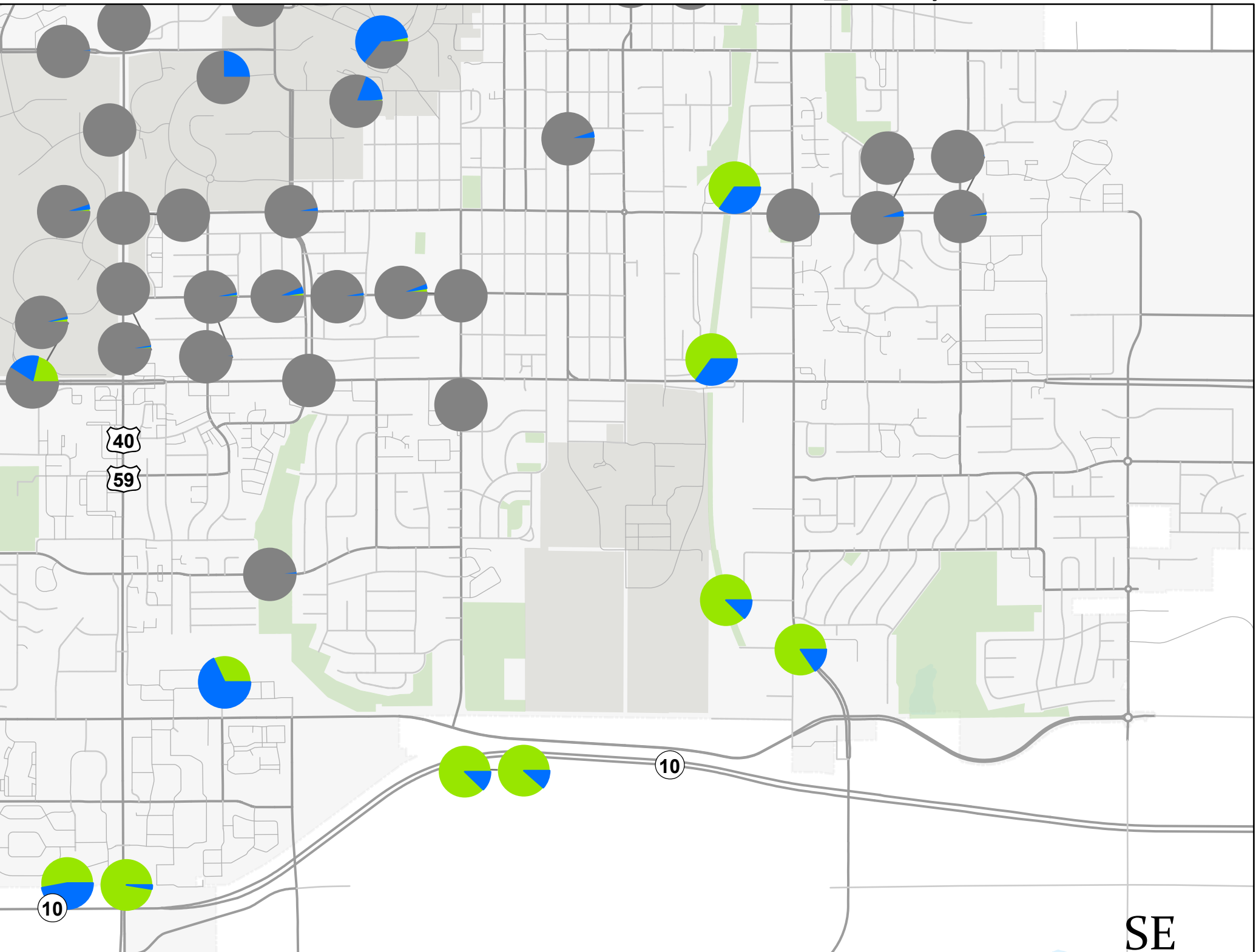
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Lawrence Annual Average Daily Traffic (AADT) - Mode Share

- Bicyclist Percentage
- Pedestrian Percentage
- Vehicle Percentage

Count Data (2011-2019) collected following the National Bicycle & Pedestrian Documentation Project methodology.



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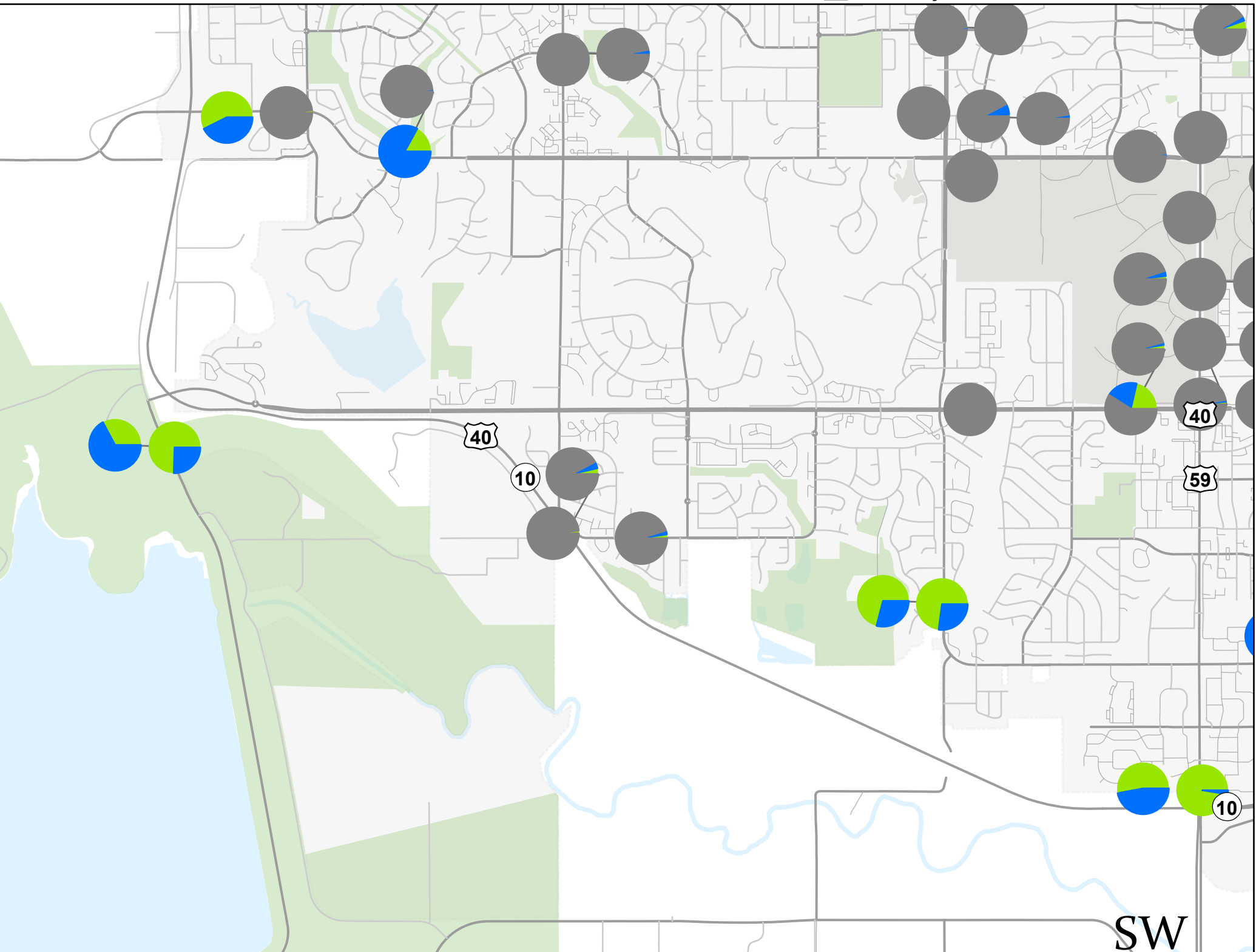


SE

Lawrence Annual Average Daily Traffic (AADT) - Mode Share

Count Data (2011-2019) collected following the National Bicycle & Pedestrian Documentation Project methodology.

- Bicyclist Percentage
- Pedestrian Percentage
- Vehicle Percentage



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Lawrence, Kansas Bicycle and Pedestrian Documentation Data Report 2009-2019

Most Recent Daily, Monthly, and Annual Projections						
Lawrence	Last Year Counted	Daily	Monthly	Annual		
		AADT Average Annual Daily Traffic	Monthly Average Bicyclists and Pedestrians	Total Annual Bicyclists and Pedestrians	Total Annual Bicyclist Percentage	Total Annual Pedestrian Percentage
W 6th St Near Champion	2019	66	1,997	23,969	23%	77%
Harvard Rd East of Highland Dr	2019	160	4,861	58,331	66%	34%
N. 2nd St Bridge	2019	513	15,605	187,256	54%	44%
Trail West of Tall Grass Dr	2019	108	3,291	39,496	36%	63%
Iowa at 8th	2019	29	880	10,556	28%	56%
Lawrence at Princeton	2019	92	2,808	33,695	46%	52%
Princeton at Lawrence	2019	116	3,542	42,500	44%	57%
K10/W 27th St	2019	160	4,861	58,331	83%	28%
Naismith at 21st St	2019	209	6,343	76,121	38%	53%
Kasold at Harvard	2019	37	1,120	13,442	31%	64%
Harvard at Kasold	2019	50	1,508	18,094	33%	60%
5th St at Michigan St	2019	77	2,356	28,272	36%	53%
Michigan St at 5th St	2019	65	1,967	23,606	50%	50%
6th St at Wisconsin St	2019	130	3,957	47,485	16%	79%
Wisconsin St at 6th St	2019	49	1,503	18,034	19%	78%
6th St at Schwarz Rd	2018	235	7,158	85,891	26%	74%
13th St at Connecticut St	2018	95	2,875	34,496	63%	37%
19th St at Maple St	2018	71	2,171	26,054	48%	52%
Massachusetts St	2018	643	19,550	234,601	24%	76%
Naismith Dr	2018	757	23,036	276,426	16%	84%
West 27th St	2018	178	5,411	64,926	49%	51%
Burroughs Creek Trail	2018	438	12,801	160,016	0%	100%
SLT Trail	2018	267	7,810	97,627	0%	100%
Connecticut St at 13th St	2018	99	3,019	36,232	35%	65%
Maple St at 19th St	2018	28	842	10,104	25%	75%
Burcham Park @ Parking Lot	2018	157	4,571	57,137	0%	100%
21st St & Louisiana St (West)	2018	102	3,089	37,063	45%	55%
21st St & Louisiana St (South)	2018	143	4,337	52,048	31%	69%
Lawrence Ave at 14th St	2018	41	1,261	15,134	17%	83%
14th St at Lawrence Ave	2018	48	1,471	17,656	14%	86%
21st St west of Emerald Dr	2018	120	3,654	43,843	35%	65%
SLT & Iowa Crossing	2018	90	2,740	32,879	97%	3%
19th St at Iowa St	2018	92	2,802	33,620	20%	80%
Iowa St at 19th St	2018	120	3,660	43,917	33%	67%
Burroughs Creek Trail at 11th St	2018	92	2,802	33,620	38%	63%
11th St west of Burroughs Creek Trail	2018	132	4,001	48,012	63%	37%
Schwarz Rd at 6th St	2018	30	911	10,935	62%	38%
Louisiana St	2017	159	4,838	58,057	30%	70%
Mississippi St	2017	599	18,218	218,622	8%	92%
Wakarusa Dr	2017	208	6,324	75,891	32%	68%
Connecticut St at 9th St	2017	164	4,983	59,793	35%	65%
9th St at Connecticut St	2017	260	7,911	94,926	32%	68%
5th St at Maine St	2017	150	4,549	54,585	42%	58%
Maine St at 5th St	2017	99	3,014	36,172	28%	72%
McDonald Dr	2017	9	279	3,353	50%	50%
South Iowa Trail	2017	11	349	4,184	100%	0%
E 25th Ter & Franklin Rd (East)	2017	42	1,267	15,208	6%	94%
E 25th Ter & Franklin Rd (North)	2017	131	3,996	47,953	18%	82%
Crescent Rd	2017	970	29,512	354,142	10%	90%
Kasold Dr SUP/Green Meadows Park (West)	2017	285	8,668	104,021	71%	29%
Kasold Dr SUP/ Green Meadows Park (South)	2017	280	8,531	102,375	73%	27%
SLT/Louisiana St. (East)	2017	161	4,886	58,635	89%	11%
SLT/Louisiana St. (West)	2017	188	5,727	68,725	88%	12%
Haskell Ave SUP & E. 29th St.	2017	149	4,544	54,526	85%	15%
Outside for a Better Inside SUP (End of Main)	2017	324	9,844	118,131	14%	86%
Baldwin Creek SUP & Rock Chalk Park Trail	2017	147	4,478	53,739	33%	67%
Baldwin Creek SUP & Rock Chalk Park Trail	2017	129	3,914	46,974	39%	61%
K10 SUP (S. of 6th)	2017	78	2,385	28,620	79%	21%
Sanders Mound SUP/SLT SUP (NW)	2017	303	9,227	110,728	61%	39%
Sanders Mound SUP/SLT SUP (NE)	2017	117	3,551	42,612	75%	25%

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Most Recent Daily, Monthly, and Annual Projections						
Lawrence	Last Year Counted	Daily	Monthly	Annual		
		AADT Average Annual Daily Traffic	Monthly Average Bicyclists and Pedestrians	Total Annual Bicyclists and Pedestrians	Total Annual Bicyclist Percentage	Total Annual Pedestrian Percentage
9th St & Delaware St (South)	2017	219	6,661	79,926	53%	47%
9th St & Delaware St (West)	2017	138	4,199	50,386	45%	55%
21st & Ousdahl Rd (North)	2017	78	2,384	28,606	32%	68%
21st St & Ousdahl Rd (East)	2017	63	1,928	23,138	51%	49%
Overland Dr & George Williams Way (North)	2017	77	2,356	28,272	40%	60%
Overland Dr & George Williams Way (East)	2017	37	1,126	13,516	47%	53%
Overland Dr & Free State HS	2017	699	21,250	255,002	14%	86%
Bob Billings Pkwy & SLT (West)	2017	95	2,886	34,637	73%	27%
Bob Billings Pkwy & SLT (South)	2017	62	1,900	22,804	57%	43%
19th St & Harper St (West)	2017	94	2,870	34,436	44%	56%
19th St & Harper St (South)	2017	178	5,407	64,882	55%	45%
9th St @ Maine St	2016	230	7,002	84,029	29%	71%
Haskell Rail Trail	2016	113	3,426	41,113	88%	12%
Menards Shared Use Path	2016	58	1,750	20,994	32%	68%
Bob Billings Pkwy West of Iowa St	2016	255	7,761	93,131	18%	82%
7th St @ Locust St	2016	133	4,054	48,650	28%	72%
5th St at Michigan St	2016	76	2,310	27,715	42%	58%
Bob Billings Pkwy and DeVictor Park	2016	130	3,958	47,495	28%	72%
Sunnyside Ave	2016	1,356	41,238	494,855	8%	92%
Inverness Dr at Wakarusa Dr	2016	48	1,469	17,626	24%	76%
27th and Wakarusa	2016	235	7,151	85,817	46%	54%
K10 and E1200 Rd	2016	57	1,742	20,905	100%	0%
Oak Hill Ave (1200 Block)	2016	32	980	11,758	59%	41%
Monterey Way	2016	90	2,740	32,879	5%	95%
N 2nd St at Riverfront Rd	2016	170	5,162	61,944	47%	53%
Folks Rd at 6th St	2016	62	1,897	22,760	30%	70%
6th St at Folks Rd	2016	86	2,616	31,387	39%	61%
Devictor Park	2016	78	2,385	28,619	17%	83%
Michigan St at 5th St	2016	83	2,522	30,267	56%	44%
Wakarusa Dr at Inverness Dr	2016	62	1,894	22,730	33%	67%
Locust St @ 7th St	2016	140	4,248	50,980	26%	74%
Maine St @ 9th St	2016	70	2,131	25,574	29%	71%
West 9th St	2015	474	14,411	172,929	30%	70%
Bob Billings Pkwy	2015	78	2,380	28,561	26%	74%
Clinton Pkwy	2015	189	5,747	68,962	60%	40%
19th St & Constant Ave	2015	205	6,244	74,926	37%	63%
Jayhawk Blvd	2015	8170	248,495	2,981,934	5%	95%
West Campus Rd	2015	3058	93,027	111,628	7%	93%
Irving Hill Bridge	2015	304	9,245	110,935	14%	86%
23rd Street at Naismith Dr	2015	210	6,394	76,722	16%	84%
Naismith Dr South of 23rd St	2015	234	7,104	85,247	49%	51%
Kasold Dr at 14th St	2015	51	1,541	18,487	23%	77%
27th St at Naismith Valley Park	2015	120	3,641	43,695	17%	83%
Massachusetts St at 17th St	2015	673	20,479	245,744	24%	76%
East 19th St	2014	177	5,172	64,644	40%	60%
12th St & Tennessee St	2014	412	12,037	150,461	11%	89%
Constant Park	2014	285	8,328	104,096	48%	52%
21st St & Iowa St	2014	51	1,486	18,576	59%	41%
Iowa St	2014	117	3,427	42,834	20%	80%
2nd St near McDonald	2014	50	1,473	18,413	82%	18%
Iowa St Between Terrace Road and 15th St	2014	80	2338	29,228	42%	58%
Clinton Pkwy	2013	169	5,129	61,543	52%	48%
9th St & Avalon Rd	2013	130	3,958	47,495	38%	62%
Irving Hill Rd at Burdick Dr	2013	2316	70,430	845,162	3%	97%
Crestline Dr at Clinton Pkwy	2013	118	3,591	43,086	61%	39%
Burroughs Creek Trail South	2013	223	6,787	81,440	65%	35%
Douglas County 458	2013	2	69	831	100%	0%
E 1600 Rd	2013	5	141	1,691	100%	0%
West Douglas County 458 at E 900th Rd	2013	74	2,248	26,973	100%	0%
Maine St	2011	223	6,794	81,529	3%	97%

Lawrence, Kansas Bicycle and Pedestrian Documentation Data Report 2009-2019

Lawrence	Annual Average Daily Traffic		
	Annual Cyclist Percentage	Annual Pedestrian Percentage	Annual Vehicle Percentage
W 6th St Near Champion	0.07%	0.25%	99.68%
Harvard Rd East of Highland Dr	5.47%	2.79%	91.74%
N. 2nd St Bridge	1.15%	0.94%	97.91%
Trail West of Tall Grass Dr	2.62%	4.60%	92.78%
Iowa at 8th	0.04%	0%	99.88%
Lawrence at Princeton	1.71%	1.92%	96.36%
Princeton at Lawrence	2.02%	2.65%	95.33%
K10/W 27th St	1.58%	0.53%	98%
Naismith at 21st St	1.15%	1.60%	97%
Kasold at Harvard	0.10%	0.20%	99.70%
Harvard at Kasold	0.68%	1.26%	98.06%
5th St at Michigan St	0.46%	0.67%	99%
Michigan St at 5th St	0.53%	0.53%	98.94%
6th St at Wisconsin St	0.08%	0.40%	99.52%
Wisconsin St at 6th St	0.04%	0.15%	99.81%
6th St at Schwarz Rd	0.20%	0.60%	99.10%
13th St at Connecticut St	3.20%	1.90%	94.90%
19th St at Maple St	0.90%	0.90%	98.20%
Massachusetts St	1.30%	4%	94.60%
Naismith Dr	0.60%	2.90%	96.50%
West 27th St	2.30%	2.40%	95.30%
Burroughs Creek Trail	65.20%	34.80%	0%
SLT Trail	52.90%	47.10%	0%
Connecticut St at 13th St	0.70%	1.40%	97.90%
Maple St at 19th St	1.20%	3.60%	95.20%
Burcham Park @ Parking Lot	12.60%	87.40%	0%
21st St & Louisiana St (West)	2.60%	3.10%	94.30%
21st St & Louisiana St (South)	0.40%	1%	98.60%
Lawrence Ave at 14th St	0.50%	2.30%	97.20%
14th St at Lawrence Ave	1.10%	6.50%	92.40%
21st St west of Emerald Dr	2.20%	4.10%	93.70%
SLT & Iowa Crossing	97.40%	2.60%	0%
19th St at Iowa St	0.20%	0.70%	99.10%
Iowa St at 19th St	0.10%	0.20%	99.60%
Burroughs Creek Trail at 11th St	37.50%	62.50%	0%
11th St west of Burroughs Creek Trail	0.90%	0.50%	98.60%
Schwarz Rd at 6th St			
Louisiana St	0.30%	0.80%	98.90%
Mississippi St	1.20%	14%	84.80%
Wakarusa Dr	0.40%	0.90%	98.60%
Connecticut St at 9th St	0.60%	1.10%	98.30%
9th St at Connecticut St	2.40%	5.10%	92.50%
5th St at Maine St	0.90%	1.30%	97.70%
Maine St at 5th St	0.70%	1.90%	97.40%
McDonald Dr	0.10%	0.10%	99.90%
South Iowa Trail	0.10%	0%	99.90%
E 25th Ter & Franklin Rd (East)			
E 25th Ter & Franklin Rd (North)			
Crescent Rd	4.30%	37.80%	57.90%
Kasold Dr SUP/Green Meadows Park (West)	71%	29%	0%
Kasold Dr SUP/ Green Meadows Park (South)	73%	27%	0%
SLT/Louisiana St. (East)	88.60%	11.40%	0%
SLT/Louisiana St. (West)	87.80%	12.20%	0%
Haskell Ave SUP & E. 29th St.	84.60%	15.40%	0%
Outside for a Better Inside SUP (End of Maine St)	14.30%	85.70%	0%
Baldwin Creek SUP & Rock Chalk Park Trail (NE)	60.60%	39.40%	0%
Baldwin Creek SUP & Rock Chalk Park Trail (SW)	39.30%	60.70%	0%
K10 SUP (S. of 6th)	79.40%	20.60%	0%
Sanders Mound SUP/SLT SUP (NW)	32.80%	67.20%	0%
Sanders Mound SUP/SLT SUP (NE)	74.50%	25.50%	0%

No AADT available

Lawrence, Kansas Bicycle and Pedestrian Documentation Data Report 2009-2019

Lawrence	Annual Average Daily Traffic		
	Annual Cyclist Percentage	Annual Pedestrian Percentage	Annual Vehicle Percentage
9th St & Delaware St (South)	4.20%	3.80%	92%
9th St & Delaware St (West)	1.90%	2.30%	95.90%
21st & Ousdahl Rd (North)	0.60%	1.20%	98.20%
21st St & Ousdahl Rd (East)	1.60%	1.60%	96.80%
Overland Dr & George Williams Way (North)			
Overland Dr & George Williams Way (East)			
Overland Dr & Free State HS	2.30%	14.90%	82.70%
Bob Billings Pkwy & SLT (West)	1.50%	0.50%	98%
Bob Billings Pkwy & SLT (South)	57.40%	42.60%	0%
19th St & Harper St (West)	0.80%	1%	98.20%
19th St & Harper St (South)	1.50%	1.30%	97.20%
9th St @ Maine St	0.40%	1%	98.60%
Haskell Rail Trail	87.80%	12.20%	0%
Menards Shared Use Path	32%	68%	0%
Bob Billings Pkwy West of Iowa St	0.30%	1.30%	98.40%
7th St @ Locust St	2.90%	7.60%	89.60%
5th St at Michigan St			
Bob Billings Pkwy and DeVictor Park	0.50%	1.40%	98.10%
Sunnyside Ave	1.50%	17.70%	80.80%
Inverness Dr at Wakarusa Dr	0.90%	2.90%	96.30%
27th and Wakarusa	3.50%	4.10%	92.40%
K10 and E1200 Rd			
Oak Hill Ave (1200 Block)			
Monterey Way	0.10%	1.20%	98.70%
N 2nd St at Riverfront Rd	0.30%	0.20%	99.50%
Folks Rd at 6th St	0.40%	1%	98.60%
6th St at Folks Rd	0.10%	0.20%	99.60%
Devictor Park	17%	83%	0%
Michigan St at 5th St	0.70%	0.60%	99%
Wakarusa Dr at Inverness Dr	0.10%	0%	99.60%
Locust St @ 7th St	0.80%	2.30%	96.90%
Maine St @ 9th St	0.30%	1%	98.90%
West 9th St	0.80%	1.90%	97%
Bob Billings Pkwy	0.10%	0%	99.50%
Clinton Pkwy	0.40%	0.30%	99.40%
19th St & Constant Ave	1.80%	3%	95.00%
Jayhawk Blvd	3.20%	61.00%	36%
West Campus Rd	2.20%	29%	68.90%
Irving Hill Bridge	0.10%	0.80%	99.10%
23rd Street at Naismith Dr	0.10%	1%	99.30%
Naismith Dr South of 23rd St			
Kasold Dr at 14th St	0.10%	0%	99.70%
27th St at Naismith Valley Park	0.40%	1.80%	97.90%
Massachusetts St at 17th St	1%	4%	95%
East 19th St	0.70%	1.10%	98%
12th St & Tennessee St	2.90%	24%	72.90%
Constant Park	47.60%	52.40%	0.00%
21st St & Iowa St	1.50%	1%	97.40%
Iowa St	0.10%	0.30%	100%
2nd St near McDonald	0.80%	0%	99.00%
Iowa St Between Terrace Road and 15th St	0.10%	0.20%	99.70%
Clinton Pkwy	0.36%	0%	99.30%
9th St & Avalon Rd			
Irving Hill Rd at Burdick Dr	0.90%	25%	74.30%
Crestline Dr at Clinton Pkwy	2.50%	1.60%	95.90%
Burroughs Creek Trail South	65%	35%	0%
Douglas County 458	0.10%	0.00%	100%
E 1600 Rd	0.20%	0%	99.80%
West Douglas County 458 at E 900th Rd	3.70%	0.00%	96.30%
Maine St	0.10%	3%	96.50%

No AADT available