

Lawrence Kansas Bicycle and Pedestrian Documentation 2009-2011

The following 2009, 2010 and 2011 counts are part of Lawrence's Submission into the National Bicycle & Pedestrian Documentation Project (NBPDP). 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 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 September count weeks.

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2011 Lawrence Bicycle and Pedestrian Documentation Project Data																			
	Weekday, September 2011 10am - 12pm						Weekday, September 2011 5pm - 7pm						Saturday, September, 2011 12pm - 2pm						
	Bicycles				Pedestrians	Other	Bicycles				Pedestrians	Other	Bicycles				Pedestrians	Other	
	Sidewalk / Shared Use Path	Road / Bike Lane	Total	Wearing a Helmet			Sidewalk / Shared Use Path	Road / Bike Lane	Total	Wearing a Helmet			Sidewalk / Shared Use Path	Road / Bike Lane	Total	Wearing a Helmet			
# 1 - Monterey Way	0	0	0	0	14	0	0	5	5	5	5	26	0	0	3	3	3	10	0
# 2 - W. 6th Street	1	0	1	0	16	0	5	0	5	2	8	0	5	0	5	3	10	0	0
# 3 - W. 27th Street	3	3	6	5	20	0	24	11	35	30	96	0	24	9	33	20	16	5	0
# 4 - Bob Billings Pkwy	1	0	1	0	5	0	1	2	3	2	6	0	1	0	1	1	9	0	0
# 5 - Clinton Pkwy	13	0	13	6	11	0	21	0	21	7	22	0	15	0	15	5	6	0	0
# 6 - Harvard Road	0	5	5	3	6	0	0	15	15	11	24	0	1	13	14	7	15	0	0
# 7 - Naismith Drive	12	17	29	2	110	1	13	15	28	4	127	2	3	3	6	2	25	0	0
# 8 - W. 9th Street	3	10	13	1	43	0	14	30	44	9	74	0	8	21	29	12	223	0	0
# 9 - N. 2nd Street Bridge	25	0	25	11	41	0	56	0	56	21	47	0	82	0	82	34	117	2	0
# 10 - Massachusetts Street	8	11	19	2	49	0	37	39	76	31	126	0	22	25	47	14	136	0	0
# 13 - Burroughs Creek Trail	26	0	26	21	25	4	16	0	16	6	28	0	19	-	19	15	10	1	0
#14- 12th Street	0	3	3	1	25	0	2	10	12	5	42	0	1	2	3	1	124	0	0
#15- Maine Street	0	0	0	0	34	0	0	2	2	1	27	0	0	0	0	0	6	0	0
#16 Constant Park	8	0	8	6	13	0	31	0	31	23	13	0	13	-	13	8	21	0	0

Total bicyclists counted	716
Total wearing helmets	332
Percent wearing helmets	46%

Bicyclists on shred use paths or sidewalks	514	67%
Bicyclists on the road or bike lane	254	33%
Total Bicyclists	768	

Total pedestrians	1806
Total other users	15
Total Bicyclists	768

2011: Daily, Monthly, and Annual Projections

	Daily	Monthly	Annual					Annual Average Daily Traffic				
	Average Bicyclists and Pedestrians	Average Bicyclists and Pedestrians	Total Bicyclists and Pedestrians	Bicycling Percentage	Bicycling Totals	Walking Percentage	Walking Totals	Vehicles (KDOT 2010 AADT)	Bicyclists and Pedestrians	Percentage of Bicyclists and Pedestrians	Percentage of Bicyclists	Percentage of Pedestrians
# 1 - Monterey Way	134	4,071	48,858	14%	6,739	86%	42,119	7,360	134	1.79%	0.25%	1.54%
# 2 - W. 6th Street	104	3,153	37,834	24%	9,248	76%	28,586	17,600	104	0.59%	0.14%	0.44%
# 3 - W. 27th Street	475	14,457	173,488	36%	62,321	64%	111,167	2,785	475	14.58%	5.24%	9.34%
# 4 - Bob Billings Pkwy	58	1,750	20,994	20%	4,199	80%	16,795	17,590	58	0.33%	0.07%	0.26%
# 5 - Clinton Pkwy	203	6,176	74,110	56%	41,266	44%	32,844	27,565	203	0.73%	0.41%	0.32%
# 6 - Harvard Road	182	5,532	66,380	43%	28,569	57%	37,812	1,915	182	8.67%	3.73%	4.94%
# 7 - Naismith Drive	752	22,866	274,394	19%	53,190	81%	221,203	6,230	752	10.77%	2.09%	8.68%
# 8 - W. 9th Street	977	29,711	356,531	20%	71,976	80%	284,555	13,140	977	6.92%	1.40%	5.52%
# 9 - N. 2nd Street Bridge	845	25,689	308,266	44%	136,542	56%	171,724	24,000	845	3.40%	1.51%	1.89%
# 10 - Massachusetts Street	1,042	31,699	380,388	31%	119,239	69%	261,150	16,020	1042	6.11%	1.91%	4.19%
# 13 - Burroughs Creek Trail	286	8,703	104,437	49%	51,376	51%	53,061	-	-	-	-	-
#14- 12th Street	479	14,572	174,868	9%	15,060	91%	159,807	-	-	-	-	-
#15- Maine Street	223	6,794	81,529	3%	2,363	97%	79,166	6,200	223	3.48%	0.10%	3.38%
#16 Constant Park	151	4,581	54,971	53%	28,874	47%	26,097	-	-	-	-	-
Total for Locations 1 thru 10	4,771	145,104	1,741,243	31%	533,288	69%	1,207,955	134,205	4771	3.43%	1.05%	2.38%
Total for 14 Locations	5,910	179,754	2,157,047	29%	630,961	71%	1,526,086	140,405	4994	3.43%	1.00%	2.43%

Lawrence Kansas Bicycle and Pedestrian Documentation 2009-2011

2010 Lawrence Bicycle and Pedestrian Documentation Project Data																		
	Thursday, September 16 th & 23 rd 2010 10am - 12pm						Thursday, September 16 th & 23 rd 2010 5pm - 7pm						Saturday, September 18 th , 2010 12pm - 2pm					
	Bicycles				Pedestrians	Other	Bicycles				Pedestrians	Other	Bicycles				Pedestrians	Other
	Sidewalk / Shared Use Path	Road / Bike Lane	Total	Wearing a Helmet			Sidewalk / Shared Use Path	Road / Bike Lane	Total	Wearing a Helmet			Sidewalk / Shared Use Path	Road / Bike Lane	Total	Wearing a Helmet		
# 1 - Monterey Way	0	4	4	2	15	0	5	5	10	7	22	0	0	7	7	6	3	0
# 2 - W. 6th Street	3	0	3	0	13	0	9	1	10	5	9	0	5	1	6	3	9	0
# 3 - W. 27th Street	8	4	12	7	42	0	17	12	29	17	48	4	12	17	29	20	36	0
# 4 - Bob Billings Pkwy	1	0	1	0	9	0	1	1	2	1	14	0	0	0	0	0	3	0
# 5 - Clinton Pkwy	13	0	13	3	9	0	38	5	43	27	17	0	20	0	20	13	15	0
# 6 - Harvard Road	0	12	12	4	8	0	3	25	28	17	18	0	0	9	9	5	14	3
# 7 - Naismith Drive	7	26	33	5	131	0	0	19	19	2	92	0	6	5	11	0	24	0
# 8 - W. 9th Street	13	20	33	6	54	0	8	24	32	6	72	2	0	20	20	2	61	0
# 9 - N. 2nd Street Bridge	21	1	22	5	27	0	43	1	44	17	41	0	21	4	25	12	32	0
# 10 - Massachusetts Street	13	13	26	4	47	0	40	29	69	17	120	2	14	24	38	5	54	0
# 11 - E. 19th Street	4	0	4	0	17	0	9	15	24	9	20	4	2	8	10	2	7	0
#12- Iowa north of 15th Street	1	0	1	1	5	0	9	0	9	4	13	0	3	0	3	1	6	0

Total bicyclists counted	661
Total wearing helmets	235
Percent wearing helmets	36%

Bicyclists on shred use paths or sidewalks	349	53%
Bicyclists on the road or bike lane	312	47%
Total Bicyclists	661	

Total pedestrians	1127
Total other users	15
Total Bicyclists	661

2010: Daily, Monthly, and Annual Projections												
	Daily	Monthly	Annual					Annual Average Daily Traffic				
	Average Bicyclists and Pedestrians	Average Bicyclists and Pedestrians	Total Bicyclists and Pedestrians	Bicycling Percentage	Bicycling Totals	Walking Percentage	Walking Totals	Vehicles (KDOT 2010 AADT)	Bicyclists and Pedestrians	Percentage of Bicyclists and Pedestrians	Percentage of Bicyclists	Percentage of Pedestrians
# 1 - Monterey Way	141	4,287	51,440	34%	17,709	66%	33,731	7,360	141	1.88%	0.65%	1.23%
# 2 - W. 6th Street	115	3,505	42,063	38%	15,984	62%	26,079	17,600	115	0.65%	0.25%	0.40%
# 3 - W. 27th Street	451	13,733	164,793	36%	58,855	64%	105,939	2,785	451	13.95%	4.98%	8.97%
# 4 - Bob Billings Pkwy	67	2,040	24,481	10%	2,533	90%	21,948	17,590	67	0.38%	0.04%	0.34%
# 5 - Clinton Pkwy	270	8,202	98,428	65%	63,936	35%	34,492	27,565	270	0.97%	0.63%	0.34%
# 6 - Harvard Road	205	6,244	74,926	55%	41,252	45%	33,675	1,915	205	9.68%	5.33%	4.35%
# 7 - Naismith Drive	717	21,804	261,649	20%	53,174	80%	208,475	6,230	717	10.32%	2.10%	8.22%
# 8 - W. 9th Street	627	19,069	228,829	31%	71,509	69%	157,320	13,140	627	4.55%	1.42%	3.13%
# 9 - N. 2nd Street Bridge	440	13,390	160,684	48%	76,556	52%	84,128	25,240	440	1.71%	0.82%	0.90%
# 10 - Massachusetts Street	816	24,834	298,014	38%	111,966	62%	186,048	16,020	816	4.85%	1.82%	3.03%
# 11 - E. 19th Street	189	5,758	69,095	46%	32,020	54%	37,076	12,995	189	1.44%	0.67%	0.77%
#12- Iowa north of 15th Street	85	2,596	31,157	35%	10,947	65%	20,210	24,800	85	0.34%	0.12%	0.22%
Total for Locations 1 thru 10	3,850	117,109	1,405,306	39%	545,492	63%	891,834	135,445	3850	2.76%	1.07%	1.75%
Total for 12 Locations	4,125	125,463	1,505,559	37%	556,439	63%	949,120	173,240	4125	2.33%	0.86%	1.47%

Lawrence Kansas Bicycle and Pedestrian Documentation 2009-2011

2009 Lawrence Bicycle and Pedestrian Documentation Project Data																		
	Thursday, September 10, 2009 10am - 12pm						Thursday, September 10, 2009 5pm - 7pm						Saturday, September 12, 2009 12pm - 2pm					
	Bicycles				Pedestrians	Other	Bicycles				Pedestrians	Other	Bicycles				Pedestrians	Other
	Sidewalk / Shared Use Path	Road / Bike Lane	Total	Wearing a Helmet			Sidewalk / Shared Use Path	Road / Bike Lane	Total	Wearing a Helmet			Sidewalk / Shared Use Path	Road / Bike Lane	Total	Wearing a Helmet		
# 1 - Monterey Way	1	0	1	0	8	0							5	2	7	5	8	0
# 2 - W. 6th Street	6	0	6	3	10	0	12	1	13	4	18	0	6	2	8	5	5	0
# 3 - W. 27th Street	13	1	14	6	10	0	30	18	48	29	24	0	26	10	36	24	22	0
# 4 - Bob Billings Pkwy	2	0	2	1	4	0	5	0	5	3	6	0	1	2	3	1	7	0
# 5 - Clinton Pkwy	16	1	17	9	16	0							16	0	16	13	11	0
# 6 - Harvard Road	0	16	16	4	21	0	2	20	22	12	24	0	5	13	18	14	7	0
# 7 - Naismith Drive	17	9	26	4	118	1	16	22	38	9	125	2	5	5	10	3	31	0
# 8 - W. 9th Street	0	15	15	4	44	0	12	30	42	7	50	0	8	14	22	6	99	2
# 9 - N. 2nd Street Bridge	28	2	30	8	22	0	70	6	76	20	49	1	67	15	82	26	55	3
# 10 - Massachusetts Street	13	6	19	1	52	0	25	41	66	11	135	1	18	20	38	6	96	3
# 11 - E. 19th Street	8	5	13	2	11	0	8	6	14	5	18	0	7	7	14	4	6	1

Total bicyclists counted	737
Total wearing helmets	249
Percent wearing helmets	34%

Bicyclists on shared use paths or sidewalks	448	61%
Bicyclists on the road or bike lane	289	39%
Total Bicyclists	737	

Total pedestrians	1112
Total other users	14
Total Bicyclists	737

2009: Daily, Monthly, and Annual Projections												
	Daily	Monthly	Annual				Annual Average Daily Traffic					
	Average Bicyclists and Pedestrians	Average Bicyclists and Pedestrians	Total Bicyclists and Pedestrians	Bicycling Percentage	Bicycling Totals	Walking Percentage	Walking Totals	Vehicles (KDOT 2007 AADT)	Bicyclists and Pedestrians	Percentage of Bicyclists and Pedestrians	Percentage of Bicyclists	Percentage of Pedestrians
# 1 - Monterey Way	76	2,307	27,686	33%	9,229	67%	18,457	3,190	76	2.32%	0.77%	1.55%
# 2 - W. 6th Street	138	4,212	50,549	45%	22,747	55%	27,802	17,400	138	0.79%	0.36%	0.43%
# 3 - W. 27th Street	354	10,781	129,378	64%	82,331	36%	47,046	1,725	354	17.05%	10.85%	6.20%
# 4 - Bob Billings Pkwy	70	2,138	25,653	37%	9,501	63%	16,152	18,525	70	0.38%	0.14%	0.24%
# 5 - Clinton Pkwy	214	6,521	78,250	55%	43,037	45%	35,212	25,430	214	0.84%	0.46%	0.38%
# 6 - Harvard Road	270	8,199	98,383	52%	51,014	48%	47,370	1,490	270	15.32%	7.94%	7.38%
# 7 - Naismith Drive	838	25,489	305,863	21%	65,040	79%	240,823	8,208	838	9.26%	1.97%	7.29%
# 8 - W. 9th Street	724	22,012	264,141	29%	76,718	71%	187,424	17,795	724	3.91%	1.13%	2.77%
# 9 - N. 2nd Street Bridge	722	21,960	263,518	60%	157,775	40%	105,743	23,740	722	2.95%	1.77%	1.18%
# 10 - Massachusetts Street	1,044	31,761	381,130	30%	115,466	70%	265,665	14,055	1044	6.92%	2.10%	4.82%
# 11 - E. 19th Street	192	5,826	69,911	54%	37,715	46%	32,196	9,490	192	1.98%	1.07%	0.91%

Total for Locations 1 thru 10	4,451	135,379	1,624,551	39%	632,857	61%	991,694	131,558	4451	3.27%	1.28%	2.00%
Total for 11 Locations	4,642	141,205	1,694,463	40%	670,573	60%	1,023,890	141,048	4642	3.19%	1.24%	1.94%