

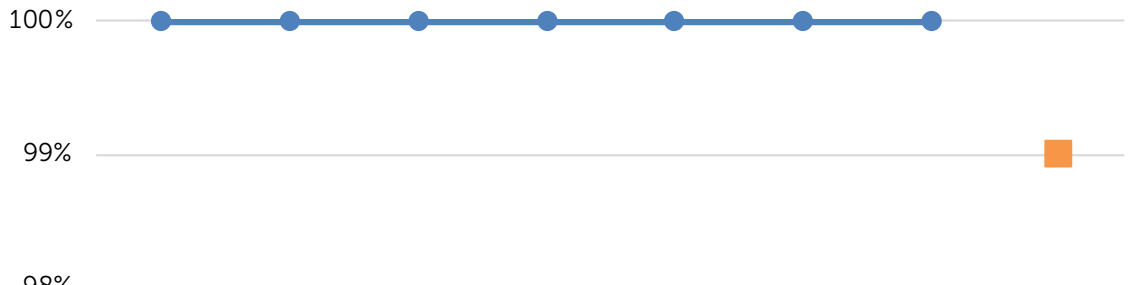
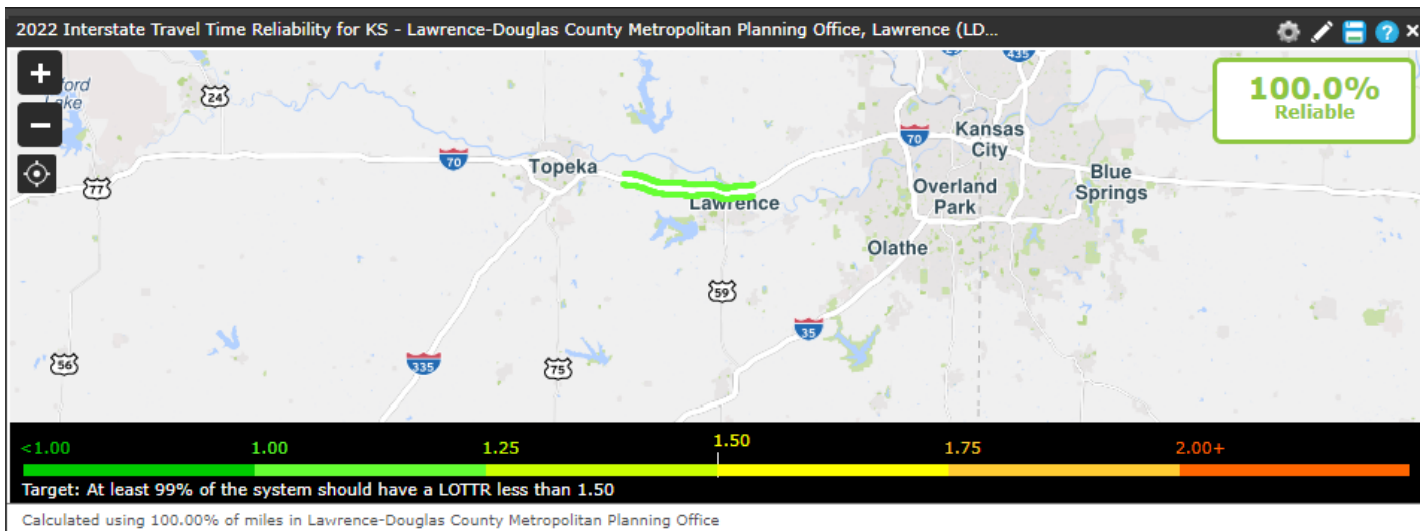
System Performance

Performance Measure 6:

Percent of the Person-Miles Traveled on the Interstate NHS That Are Reliable

The National Highway System (NHS) consists of roadways important to the Nation's economy, defense, and mobility. In our region the interstate NHS consists of I-70.

While the current Level of Travel Time Reliability on the Interstate NHS is 100% the MPO did not feel it would be appropriate to project the Interstate NHS would continue at a 100% rate of reliability.



	2016	2017	2018	2019	2020	2021	2022	2027
● Reliable Interstate	100.0%	100.0%	100.0%	100.0%	100.00%	100.00%	100.00%	
■ 2027 Target								99.00%

Source: National Performance Management Research Data Set (NPMRDS) <https://npmrds.ritis.org>

Anticipated Update: 2028

Target Set by MPO Policy Board: [March, 2023](#)

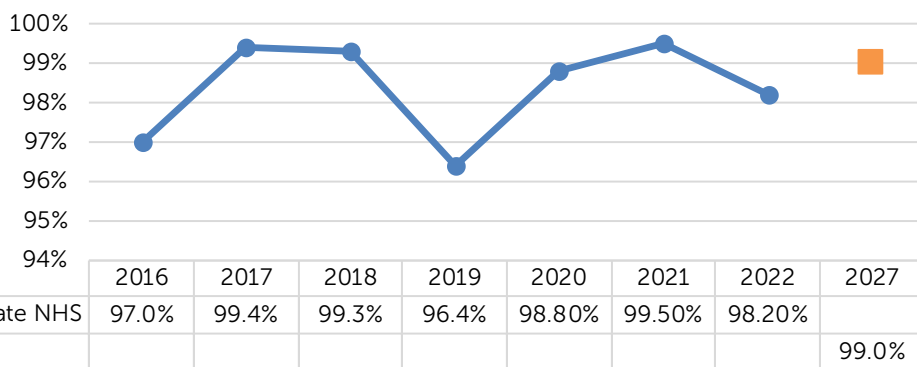
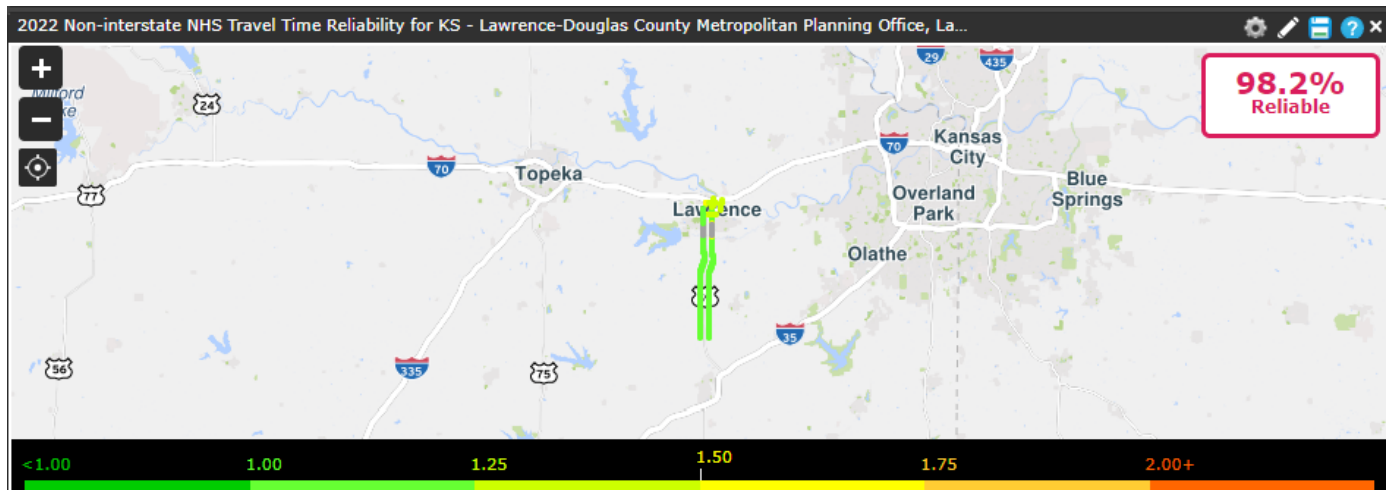
2027 Target
99%

System Performance

Performance Measure 6:

Percent of the Person-Miles Traveled on the Non-Interstate NHS That Are Reliable

The Non-Interstate NHS consists of Other Freeways & Expressways, and Other Principal Arterials. In our region this consists of K-10, US-59/Iowa St, US-40 (6th St) east of Iowa St, US 24/40/59, and US-56 east of US-59. The NPMRDS data has inaccurate NHS designations, thus the best available data is used.



Source: National Performance Management Research Data Set (NPMRDS) <https://npmrds.ritis.org>

Anticipated Update: 2028

Target Set by MPO Policy Board: [March, 2023](#)

2027 Target
99%

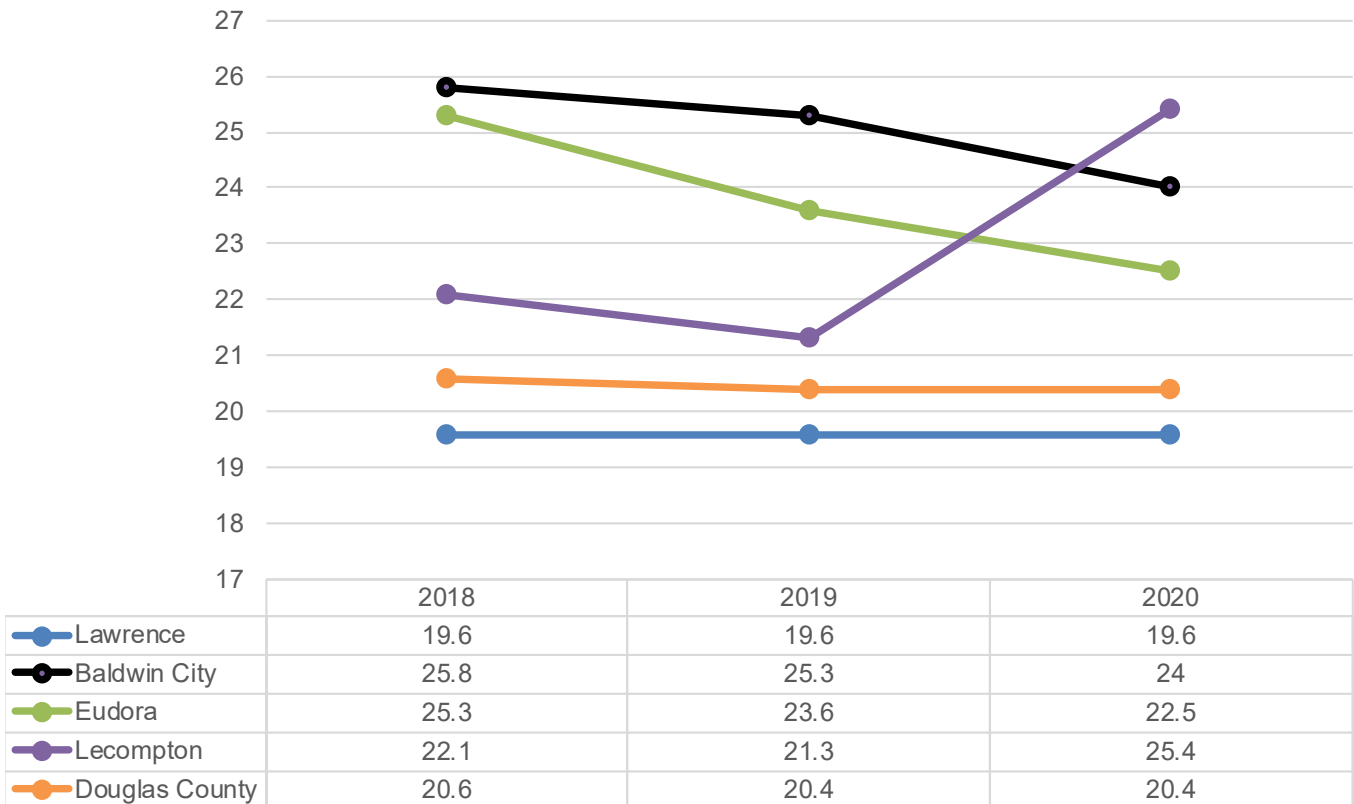
System Performance

Performance Measure 7: Average Travel Time to Work (Minutes)

Travel time to work refers to the total number of minutes it usually took a person to get from home to work each day during the survey week. The elapsed time includes time spent waiting for public transportation, picking up passengers in carpools, and time spent in other activities related to getting to work. This data include workers 16 years old and over.

American Community Survey (ACS) data is compiled yearly by sampling over 3.5 million housing unit addresses over a 12 month period. Since this data is based on a survey there is a margin of error associated with the data.

The average travel time to work for the cities of Baldwin City, Eudora, and Lecompton are higher than Lawrence and the overall County. This is due to people driving out of their communities to work, possibly in Lawrence or outside of the County.



Source: US Census Bureau American Community Survey (ACS) 5-year estimates (S0801)

Anticipated Update: 2028

Target Set by MPO Policy Board: N/A



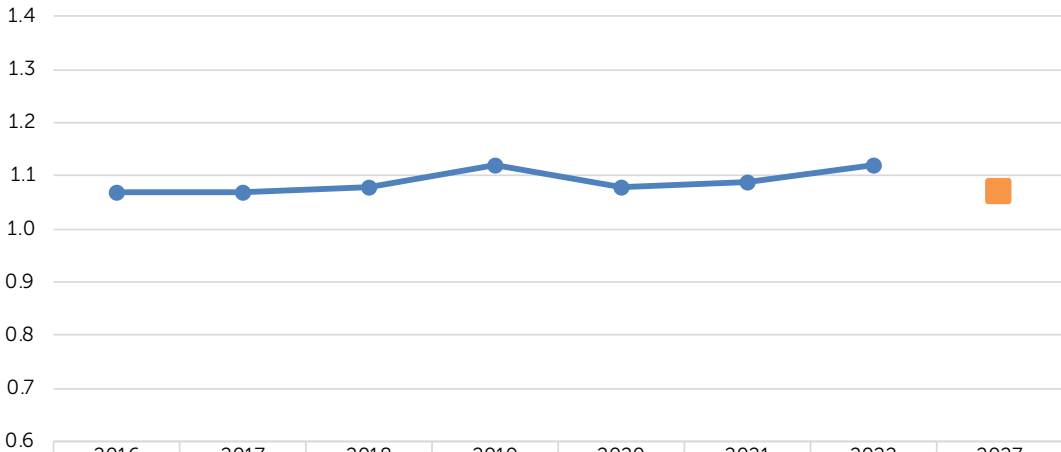
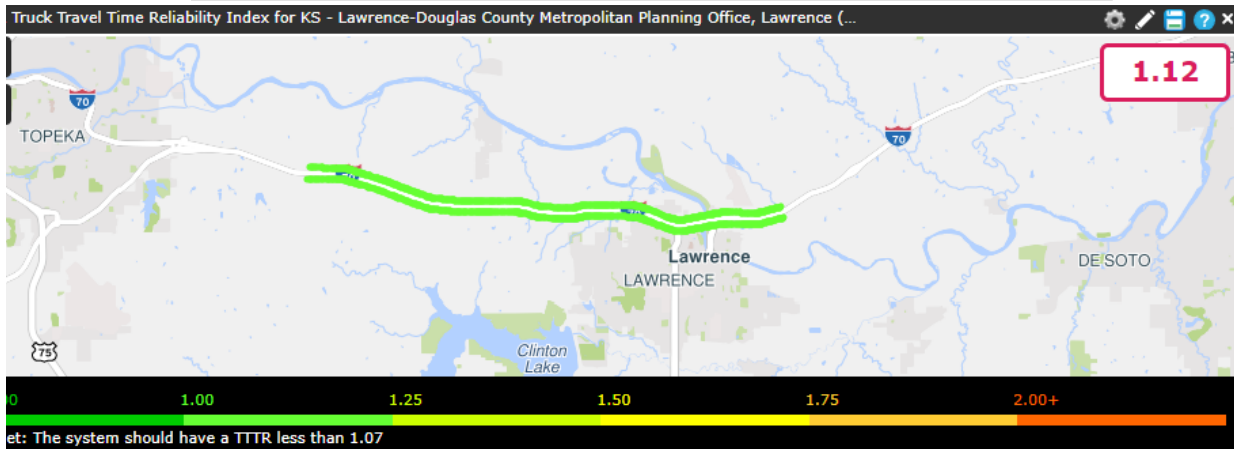
System Performance

Performance Measure 8:

Truck Travel Time Reliability (TTTR) Index on the Interstate system

Reporting is divided into five periods: morning peak (6 - 10 a.m.), midday (10 a.m. - 4 p.m.) and afternoon peak (4 - 8 p.m.) Mondays through Fridays; weekends (6 a.m. - 8 p.m.); and overnights for all days (8 p.m. - 6 a.m.). The TTTR ratio is generated by dividing the 95th percentile time by the normal time (50th percentile) for each segment. The TTTR Index is generated by multiplying each segment's largest ratio of the five periods by its length, then dividing the sum of all length-weighted segments by the total length of the interstate.

Truck Travel Time Reliability Index (TTTR) is used to assess freight movement. The lower the numbers the better.



	2016	2017	2018	2019	2020	2021	2022	2027
TTTR	1.07	1.07	1.08	1.12	1.08	1.09	1.12	
2027 Target								1.07

Source: National Performance Management Research Data Set (NPMRDS) <https://npmrds.ritis.org>

Anticipated Update: 2028

Target Set by MPO Policy Board: [March, 2023](#)

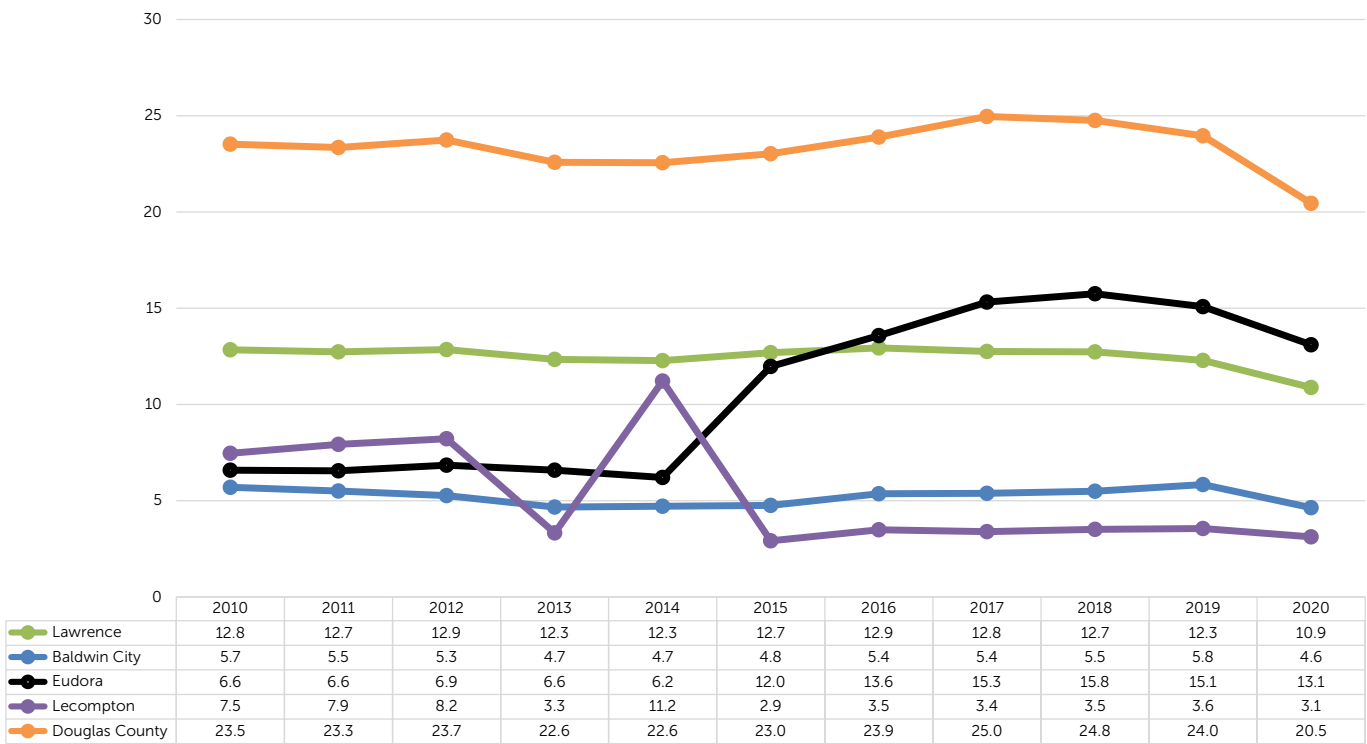
2027 Target
1.07

System Performance

Performance Measure 23: Daily Vehicles Miles Traveled (VMT) per Capita

Vehicle miles traveled (VMT) per capita is calculated as the total 1-year miles of vehicle travel divided by the total population. Decreasing 1-year VMT per capita can directly improve air quality and the overall health of a population. VMT levels are lower in communities that are more walkable and compact and in communities that have strong public transportation systems.

(Source: <https://www.transportation.gov/mission/health/vmt-capita>)



Source: Kansas Department of Transportation & US Census

Anticipated Update: Yearly

Target Set by MPO Policy Board: N/A

