

MAP-21

Performance Measures

System Reliability (Travel Time)

Moving Ahead for Progress in the 21st Century

Effective in 2012, MAP-21 is the bill that outlines federal funding and policy for the U.S. surface transportation system.

A key feature of MAP-21 is the establishment of a performance- and outcome-based program. The objective of this program is to allow States to invest resources in highway projects that will collectively help impact the achievement of the designated national performance goals.

The states are required to invest resources to progress the following national goals:

- **Safety,**
- **Infrastructure Condition,**
- **Congestion Reduction,**
- **System Reliability,**
- **Freight Movement and Economic Vitality,**
- **Environmental Sustainability,**
- **Reduced Project Delivery Delays.**

Quick Fact! Major local/regional events such as **concerts, football games, and festivals** can greatly impact travel time.



2017, 106.1 The Corner

Who We Are

The **Northeast Arkansas Regional Transportation Planning Commission (N.A.R.T.P.C.)** is the designated metropolitan planning organization (MPO) for the cities of Bay, Bono, Brookland, Jonesboro, and some unincorporated portions of Craighead County. The purpose of the N.A.R.T.P.C. is to prepare consensus-driven, fiscally-constrained plans for the development of a safe, efficient and affordable regional transportation system.

What We Measure

The Northeast Arkansas Regional Transportation Planning Commission (N.A.R.T.P.C.) is in support of the targets set by the Federal Highway Administration (FHWA) for the Arkansas Department of Transportation (ARDOT) to assess the performance of the Interstate and non-Interstate National Highway System (NHS) for the purpose of carrying out the National Highway Performance Program (NHPP); to assess freight movement on the Interstate System; and to assess traffic congestion and on-road mobile source emissions for the purpose of carrying out the Congestion Mitigation and Air Quality Improvement (CMAQ) Program.¹

How We Measure

System Reliability is separated according to Travel Time and Freight (Truck) Travel Time, and is calculated using the following methodology:

- **Travel Time** - change in normal travel time to destinations on the worst day/time of the week during peak hours
- **Freight (Truck) Travel Time** – change in normal travel time to destinations on the worst day/time of

How We Improve

- Identify and prioritize critical corridors routinely impacted by delays
- Analyze specific times/causes for congestion to develop improvement projects

MAP-21

Performance Measures

Pavement Condition

Performance Targets-State of Arkansas

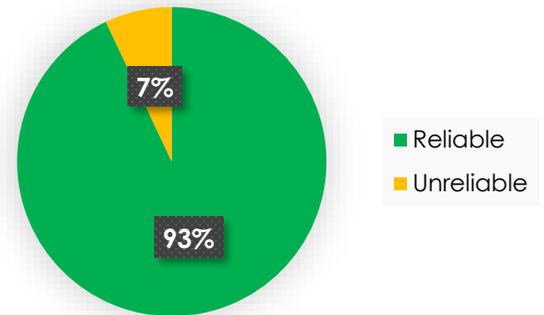
The following chart reflects the system reliability performance targets set by the Arkansas Department of Transportation (ARDOT) for the state in 2019. These standards have been adopted by the N.A.R.T.P.C.

*Please note that the targets were established based on current statewide highway funding limitations, and may be adjusted in subsequent years should additional funding become available.

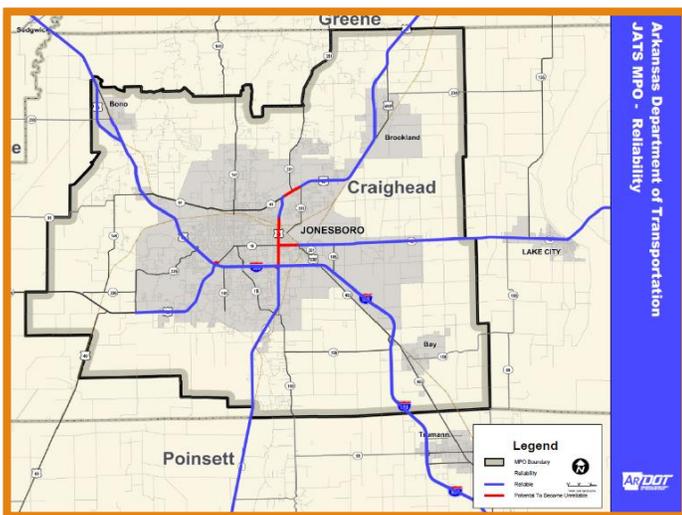
Travel Time Reliability Performance Measures	2-Year Performance Targets	4-Year Performance Targets
% of Person Miles travelled on Interstate that are reliable	91%	89%
% of Person Miles travelled on non-Interstate that are reliable	N/A	90%
Freight (Truck) Travel Time Reliability Performance Measures	2-Year Performance Targets	4-Year Performance Targets
Truck Travel Time Reliability on the Interstate System	1.45	1.52

Quick Fact! According to recent data provided by ARDOT, Craighead County may see an **increase of 3 to 4%** in normal freight travel time on the worst day in the month during peak hours.

Craighead County Travel Time Reliability: Interstate



2017, KAIT



Quick Fact! **Red Wolf/Stadium Blvd.** (near E. Highland Dr. and Aggie Rd.) has been identified as a critical area for potential delays/congestion during normal travel time during peak hours



**NORTHEAST ARKANSAS
REGIONAL TRANSPORTATION
PLANNING COMMISSION**

¹ Federal Highway Administration:

<https://www.federalregister.gov/documents/2017/01/18/2017-00681/national-performance-management-measures-assessing-performance-of-the-national-highway-system>

² 106.1 The Corner: <https://1061thecorner.com/news/030030-sitting-in-traffic-costs-you-a-lot-of-money-each-year/>

³ Kait8 News: <https://www.kait8.com/story/26561708/study-more-than-35000-cars-drive-on-red-wolf-blvd-every-day/>