



Performance Measures: **Pavement Condition**

Why We Measure

The Road Department is responsible for the drainage and maintenance of the roads within Craighead County. To help advance local efforts, the N.A.R.T.P.C., in conjunction with the Arkansas Department of Transportation (AR DOT), remains dedicated to analyzing existing pavement conditions and prioritizing projects that will aid in maintaining and improving roads within the region.

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 (AR DOT) to evaluate, maintain and enhance the condition of asphalt and concrete pavement on both Interstate and Non-Interstate roads within the National Highway System (NHS). Road conditions are judged according to cracking, rutting (road depression), faulting (road elevation due to chipping), and roughness.

How We Measure

Pavement condition is measured according to Level of Services (LOS), which is the evaluation of traffic conditions in terms of speed, travel time, freedom to maneuver, comfort, convenience, traffic interruptions, and safety.¹ It is rated according to the following terms²:

- **Good** - Based on % of mileage where all scores for international roughness index (IRI), cracking, rutting, and/or faulting (as applicable) are within thresholds established in FHWA Rulemaking
- **Poor** - Based on % of mileage where two or more scores for international roughness index (IRI), cracking, rutting, and/or faulting (as applicable) exceed thresholds established in FHWA rulemaking

How We Serve

For more information on the road services within Craighead County, please contact the Road Department:

Craighead County
Highway Department
2800 Moore Rd.
Jonesboro, AR 72401
(870)- 933-4510
<http://www.craigheadcounty.org/road-department/>

How We Improve

- Identify priority locations within the region with high volume freight and vehicle traffic
- Plan and program preservation projects in good to fair areas
- Identify potential alternate routes for high volume areas

¹ Arkansas Section of the American Society of Civil Engineers:
<http://www.infrastructurereportcard.org/wp-content/uploads/2016/10/2014-AR-Report-Card-FINAL-Web.pdf>

² Arkansas Department of Transportation:
http://www.wemovearkansas.com/docs/TM4A_Performance-Measures.pdf



Performance Measures: Pavement Condition

Performance Targets-State of Arkansas

The following chart reflects the 2019 pavement performance targets set by the Arkansas Department of Transportation (AR DOT) for the state.

**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.*

Pavement Performance Measures	2-Year Performance Targets	4-Year Performance Targets
% of Interstate Pavement in Good Condition	N/A	79%
% of Interstate Pavement in Poor Condition	N/A	5%
% of non-Interstate Pavement in Good Condition	48%	44%
% of non-Interstate Pavement in Poor Condition	10%	12%

In 2018, the MPO agreed to begin development of an action plan to help assess and prioritize pavement conditions within the region for improvement projects. In the meantime, the following tables provide a brief analysis of the condition of roads within Craighead County that were assessed by AR DOT.

Craighead County Pavement Condition: Interstate Roads		
Good Condition	Fair Condition	Condition
93%	5%	2%

Craighead County Pavement Condition: Non-Interstate Roads		
Good Condition	Fair Condition	Poor Condition
37%	59%	4%

Quick Facts

- Arkansas has the **12th largest** state highway system in the nation.
- There are over **16,400 miles³** of centerline roads in the Arkansas Highway System, and the condition rating for the state highway roads is **46/100⁴**.
- Craighead County encompasses around **1,300 miles** of road (both paved and gravel).⁵
- There are approximately **111 miles** of sidewalks in the city of Jonesboro.⁶

Contact Us:

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300 South Church Street
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(870) 933-4623
<http://www.jonesboro.org/191/Metropolitan-Planning-Organization>

³ Jones, J. *Arkansas Highways Magazine*. September/October 2017 Issue. Page 26

⁴ Arkansas Section of the American Society of Civil Engineers:
<http://www.infrastructurereportcard.org/wp-content/uploads/2016/10/2014-AR-Report-Card-FINAL-Web.pdf>

⁵ Craighead County Road Department: <http://www.craigheadcounty.org/road-department/>

⁶ Craighead County Engineering Department:
<http://www.jonesboro.org/139/Engineering>



**NORTHEAST ARKANSAS
REGIONAL TRANSPORTATION
PLANNING COMMISSION**

Performance Measures:

Bridge Condition

Why We Measure

The Road Department is responsible for the maintenance and preservation of the bridge infrastructure within Craighead County. To help advance local efforts, the N.A.R.T.P.C., in conjunction with the Arkansas Department of Transportation (ARDOT), remains dedicated to analyzing existing bridge conditions and prioritizing projects that will aid in maintaining and improving the condition and safety of all bridge within the region.

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 and maintain the condition of existing bridges, particularly structure length and deck approach, within the National Highway System (NHS).

How We Measure

Ratings for bridge conditions are categorized as **Good** or **Poor**. Bridge condition is judged in the following terms¹:

- **Structurally Deficient**- slight deterioration to major components, but not necessarily unsafe to motorists
- **Functionally Obsolete**- Bridge features outdated (possess inadequate lane widths, shoulder widths, and/or flood prevention measures in relation to current traffic flow)
- **Significant Progress**- Percentage of overall bridge conditions equal to or greater than the state established target; or percentage of overall bridge conditions better than the standard condition

¹ Arkansas Department of Transportation:
https://www.arkansashighways.com/Magazine/2016/ARHighwaysMagazine_January2016_web_spreads.pdf

How We Serve

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How We Improve²

- Impose weight and size restrictions on vehicles
- Adhere to asset management principles to enhance preservation
- Locate potential freight corridors to anticipate commercial vehicle bottlenecks

² Arkansas Department of Transportation:
https://www.arkansashighways.com/Magazine/2016/ARHighwaysMagazine_January2016_web_spreads.pdf



**NORTHEAST ARKANSAS
REGIONAL TRANSPORTATION
PLANNING COMMISSION**

Performance Measures:
Bridge Condition

Performance Targets-State of Arkansas

The following chart reflects the 2019 bridge performance targets set by the Arkansas Department of Transportation (ARDOT) for the state.

**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.*

Bridge Performance Measures	2-Year Performance Targets	4-Year Performance Targets
% of NHS Bridges with deck area in Good Condition	50%	50%
% of NHS Bridges with deck area in Poor Condition	4%	6%

In 2018, the MPO agreed to begin development of an action plan to help assess and prioritize critical bridge areas within the region for the identification of bridge improvement projects. In the meantime, the following table provides a brief analysis of the condition of total bridges within Craighead County that are part of the National Highway System (NHS) and assessed by ARDOT.

Craighead County Bridge Condition		
Bridges in Good Condition	Bridges in Fair Condition	Bridges in Poor Condition
58%	17%	25%

Quick Facts

- There are over **7,300**³ state owned bridges and approximately **5,370** county & city owned bridges in Arkansas.⁴
- Approximately **9.65%** of the bridges in Arkansas are deficient.⁵
- **\$1.14 Billion** is the estimated cost of repair for all structurally deficient bridges in Arkansas.⁶

Contact Us:

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³ Jones, J. *Arkansas Highways Magazine*. September/October 2017 Issue. Page 26

⁴ Arkansas State Highway Transportation Department:
https://www.arkansashighways.com/Magazine/2016/ARHighwaysMagazine_January2016_web_spreads.pdf

⁵ Arkansas Section of the American Society of Civil Engineers:
<http://www.infrastructurereportcard.org/wp-content/uploads/2016/10/2014-AR-Report-Card-FINAL-Web.pdf>

⁶ Arkansas Section of the American Society of Civil Engineers:
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