

# NWARPC 2045 Metropolitan Transportation Plan

## Performance Based Planning and Measures

The Moving Ahead for Progress in the 21st Century (MAP-21) Act of 2012 continued by the Fixing America’s Surface Transportation Act (FAST Act) in 2015 directs the U.S. Department of Transportation to establish a set of performance measures to increase the accountability and transparency of the federal highway and transit programs and improve project decision-making through performance-based planning and programming throughout the rulemaking process. State Departments of Transportation (DOTs), providers of public transportation and the Northwest Arkansas Regional Planning Commission must:

- Establish performance targets that reflect the measures
  - Report on progress towards achieving those targets
- Develop performance based plans for safety and asset management
  - Implement a performance based approach to planning and programming

NWARPC SUPPORTED ARDOT AND MoDOT TARGETS				
Northwest Arkansas Regional Planning Commission - September 26, 2018 - Res. No.13				
SAFETY	MoDOT CY 2018	MoDOT CY 2019	ARDOT CY 2018	ARDOT CY 2019
Number of Fatalities	857.7	872.3	555	543
Fatality Rate per 100 Million VMT	1.163	1.16	1.662	1.615
Number of Serious Injuries	4,559.3	4,433.8	3,470.0	3,637.0
Serious Injury Rate per 100 Million VMT	6.191	6.168	10.419	10.824
Number of Non-Motorized Fatalities and Serious Injuries	431.9	445.4	149	170
PAVEMENTS	MoDOT 2-year	MoDOT 4-year	ARDOT 2-year	ARDOT 4-year
Percentage of Interstate Pavements in Good Condition		77.5%		79.0%
Percentage of Interstate Pavements in Poor Condition		0.0%		5.0%
Percentage of non-Interstate NHS Pavements in Good Condition	61.1%	61.1%	48.0%	44.0%
Percentage of non-Interstate NHS Pavements in Poor Condition	1.0%	1.0%	10.0%	12.0%
BRIDGE	MoDOT 2-year	MoDOT 4-year	ARDOT 2-year	ARDOT 4-year
Percent of NHS bridges by deck area classified as Good condition	30.9%	30.9%	50.0%	50.0%
Percent of NHS bridges by deck area classified as Poor condition	7.1%	7.1%	4.0%	6.0%
TRAVEL TIME RELIABILITY	MoDOT 2-year	MoDOT 4-year	ARDOT 2-year	ARDOT 4-year
Interstate Travel Time Reliability Measure: Percent of Reliable Person-Miles Traveled on the Interstate	88.9%	87.1%	91.0%	89.0%
Non-Interstate Travel Time Reliability Measure: Percent of Reliable Person-Miles Traveled on the Non-Interstate NHS		87.8%		90.0%
Freight Reliability Measure: Truck Travel Time Reliability Index	1.28	1.30	1.45	1.52

NWARPC MPO SPONSORED TRANSIT ASSET MANAGEMENT PLAN TARGETS						
Northwest Arkansas Regional Planning Commission - September 26, 2018 - Res. No. 12						
MPO SPONSORED TRANSIT ASSET MANAGEMENT PLAN	Asset Category Revenue Vehicles	FY2019	FY2020	FY2021	FY2022	FY2023
Age - % of revenue vehicles within a particular asset class that have exceeded their age ULB	BU - Bus	25%	25%	20%	20%	20%
	CU - Cutaway Bus	25%	25%	20%	20%	20%
	MV - Mini-van	25%	25%	20%	20%	20%
Mileage - % of revenue vehicles within a particular asset class that have exceeded their mileage ULB	BU - Bus	25%	25%	20%	20%	20%
	CU - Cutaway Bus	25%	25%	20%	20%	20%
	MV - Mini-van	25%	25%	20%	20%	20%
Cumulative Condition Score - % of revenue vehicles within a particular asset class that score below 2.0 on the TERM Scale	BU - Bus	25%	25%	20%	20%	20%
	CU - Cutaway Bus	25%	25%	20%	20%	20%
	MV - Mini-van	25%	25%	20%	20%	20%
MPO SPONSORED TRANSIT ASSET MANAGEMENT PLAN	Asset Category Equipment	FY2019	FY2020	FY2021	FY2022	FY2023
Cumulative Condition Score - % of non-revenue vehicles within a particular asset class that score below 2.0 on the TERM Scale	Non-Revenue/ Service Vehicle	50%	50%	50%	50%	50%
MPO SPONSORED TRANSIT ASSET MANAGEMENT PLAN	Asset Category Equipment	FY2019	FY2020	FY2021	FY2022	FY2023
Condition Score - % of Facilities that score below 2.0 on the TERM Scale	Administration	25%	25%	25%	25%	25%
	Maintenance	25%	25%	25%	25%	25%
	U of A Passenger Facilities	25%	25%	25%	25%	25%