

Missouri
Department of
Transportation



SAFETY

Be Safe

Be Accountable

SERVICE

**Be Respectful
Be Inclusive**

Be Bold

Be Better

STABILITY

Be One Team

**So we can be a
great organization**

MISSOURI DEPARTMENT OF TRANSPORTATION **YEAR IN REVIEW** **2019**

Missouri Department of Transportation
www.modot.org



2019 YEAR IN REVIEW

OVERVIEW

MoDOT is on a roll.

2019 was a year of challenge and achievement that saw the approval of funding for much-needed projects throughout the state.

Focus on Bridges and INFRA grant

As passed by the 2019 General Assembly and signed by the Governor, \$50 million was appropriated from State General Revenue in the Fiscal Year 2020 budget to replace or repair 45 bridges, jump-starting the Focus on Bridges program. In July, MoDOT received an \$81.2 million INFRA Grant from the U.S. Department of Transportation that will facilitate the construction of a new I-70 Missouri River Bridge at Rocheport and I-70 climbing lanes at Mineola Hill in Montgomery County—two significant improvements to the I-70 freight corridor.

The grant also triggered a \$301 million bonding program, authorized by the legislature in the 2019 session and to be repaid over seven years from State General Revenue that will repair or replace an additional 215 bridges across the state, freeing up \$301 million from the current Statewide Transportation Improvement Program for new transportation improvement projects.



Rocheport Bridge

The Rocheport Bridge over the Missouri River was built in 1960 and has long needed replacement but, before the grant, available funds would only allow for a short-term rehabilitation of the structure. The current four-lane structure will continue to be used while a new bridge that can accommodate six lanes in the future will be built alongside the current location. Construction is scheduled to begin in 2021.

Additionally, the grant will construct climbing lanes on I-70 at Mineola Hill in Montgomery County, which will improve safety and traffic flow through the Loutre River valley.

Governor's Cost-Share Program

In the 2019 legislative session, the Missouri General Assembly appropriated \$50 million to MoDOT and the Missouri Department of Economic Development to create the Governor's Transportation Cost-Share Program, which aims to build partnerships with local entities to deliver road and bridge projects that generate economic development.

MoDOT and DED received 48 applications requesting more than \$92 million to deliver \$321 million in projects. The cost-share committee selected 20 applications to receive the \$50 million, which will deliver \$131 million in

2019 YEAR IN REVIEW

projects upon approval by the Missouri Highways and Transportation Commission in January.

The cost-share program provides financial assistance to public and private applicants for public road and bridge projects and matches up to 50 percent of the construction contract costs for selected projects.

Major Projects Completed and Launched

MoDOT completed two design-build projects in 2019, made significant progress on two more and put into motion several others that will get underway in 2020.

In early August, MoDOT opened a new Champ Clark Bridge in Louisiana, Missouri, connecting Pike County, Missouri with Pike County, Illinois over the Mississippi River.

Also completed was the St. Louis Safety Design-Build project that made safety improvements at 31 locations in St. Charles and Franklin Counties.

Work continues on the I-435 South Loop Link project in Kansas City that is slated to wrap up in spring of 2020 and the I-44 Project Bridge Rebuild in Southwest Missouri that will be completed in 2021.

In November, the Missouri Highways and Transportation Commission selected the Millstone Weber design-build team for the I-270 North project in St. Louis, which at \$278 million will be the largest single project tackled by MoDOT in the last decade. Work will begin in the spring of 2020.

Now in procurement is the Mineola Hill Climbing Lanes project and in 2020, other design-build projects that will begin include an ADA Improvements package in the Central District, a Bootheel Bridge Bundle that will repair or replace a number of bridges in the Southeast District, the Buck O'Neil Bridge in Kansas City and the Fixing Access to Rural Missouri (FARM) project that will replace 40 bridges in Northern Missouri.

Winning Innovations

MoDOT's commitment to innovation was rewarded when a team of employees from the Kansas City District won a Governor's Award for Quality and Productivity. They won in the "Pinnacle" category for the development of the Truck-Mounted Attenuator (TMA) Flagger. The innovation allows a TMA driver to remotely operate a stop-slow paddle, a digital message and a panic horn from the safety of the truck's cab.

Missouri Center for Transportation Innovation Unveiled

MoDOT and the University of Missouri System in December announced the formation of the MissouriCenter for Transportation Innovation (MCTI)—a research collaboration that will benefit both parties as well as the citizens of Missouri.

The vision for MCTI is to establish Missouri as a showcase and a clearinghouse for safe, accessible, sustainable and resilient transportation, and moreover, to: Propel People...Connect their Communities...and Energize their Economies. It will aim to increase Missouri's participation and influence in national research, perform practical research that can be implemented quickly, implement innovative technologies, produce future transportation engineers, and create an atmosphere that develops faculty and staff at the University and at MoDOT.

The Center will utilize the MoDOT laboratory in Jefferson City and laboratory facilities at the University's four campuses in Columbia, Rolla (Missouri S&T), Kansas City and St. Louis in cooperation with the Federal Highway Administration and other transportation



2019 YEAR IN REVIEW

stakeholders. Bill Buttlar, an engineering professor at the University of Missouri-Columbia, will serve as MCTI director. The deputy director will be John Myers, an engineering professor at Missouri S&T. MoDOT Research Director Jen Harper will be liaison to the state agency.



Nature lashes out

MoDOT workers stepped up to every challenge thrown at them, and the accomplishments of the things they could control soon overshadowed the events that were beyond their control, with their exemplary achievements providing some of the department's proudest moments.

The 2018-19 winter season began early with several winter events occurring in November, including a named winter storm over the Thanksgiving weekend. "Winter Storm Bruce" had blizzard conditions in the northwest part of the state and caused the closure of Interstate 29—just the first of several times that highway would be closed in 2019.

Following the snows, came the floods

From April 29 through June 14, MoDOT closed highways at more than 470 locations in all 114 counties due to flooding. Interstate 29 in the northwest section of the state was closed in late March and didn't reopen until May 8, due in large part to flooding in Iowa.

Lyndon's Law

On July 9, Gov. Parson signed House Bill 499 into law, authorizing the Missouri Department of Revenue to revoke the driver's license of anyone who hits a highway or utility worker in a work zone or emergency responder in an emergency zone.

The family of Lyndon Ebker had lobbied the Missouri Legislature for passage of the law, and it was a top priority of the Missouri Highways and Transportation Commission. Ebker was a 30-year MoDOT employee who was struck and killed in a Franklin County work zone by an inattentive motorist in 2016. The legislation has come to be known as "Lyndon's Law" in his memory.

"On behalf of the MoDOT men and women who put their lives on the line every day to design, build, operate and maintain Missouri roads and bridges, I'd like to thank the Missouri General Assembly for passing House Bill 499 and Gov. Parson for signing it into law," said Michael Pace, commission chair.



AASHTO comes to Missouri

For the first time in 46 years, the American Association of State Highway and Transportation Officials held its annual meeting in Missouri. The event was held Oct. 5-9 in St. Louis.

2019 YEAR IN REVIEW

MoDOT received two awards at the meeting. The Infrastructure Improvements to Downtown St. Louis project—a collaboration between the Missouri and Illinois departments of transportation—that delivered major multimodal enhancements to both states, received the Grand Prize in the 2019 America's Transportation Awards competition. The \$801 million series of projects dramatically improved travel times and provided a new connection to the iconic Gateway Arch.

MoDOT also received AASHTO's Francis B. Francois award for innovation for its data-driven safety analysis tool within its design-build program.

MoDOT Director Patrick McKenna, who had served as vice president of AASHTO in 2018, was elected to serve as that organization's 2019-2020 president at the meeting.

As AASHTO's president, McKenna said he plans to emphasize the need for transportation reauthorization and to highlight transportation safety. "I find it unacceptable that more than 37,000 lives are lost each year due to traffic crashes," he said, calling traffic fatalities a "public health crisis."

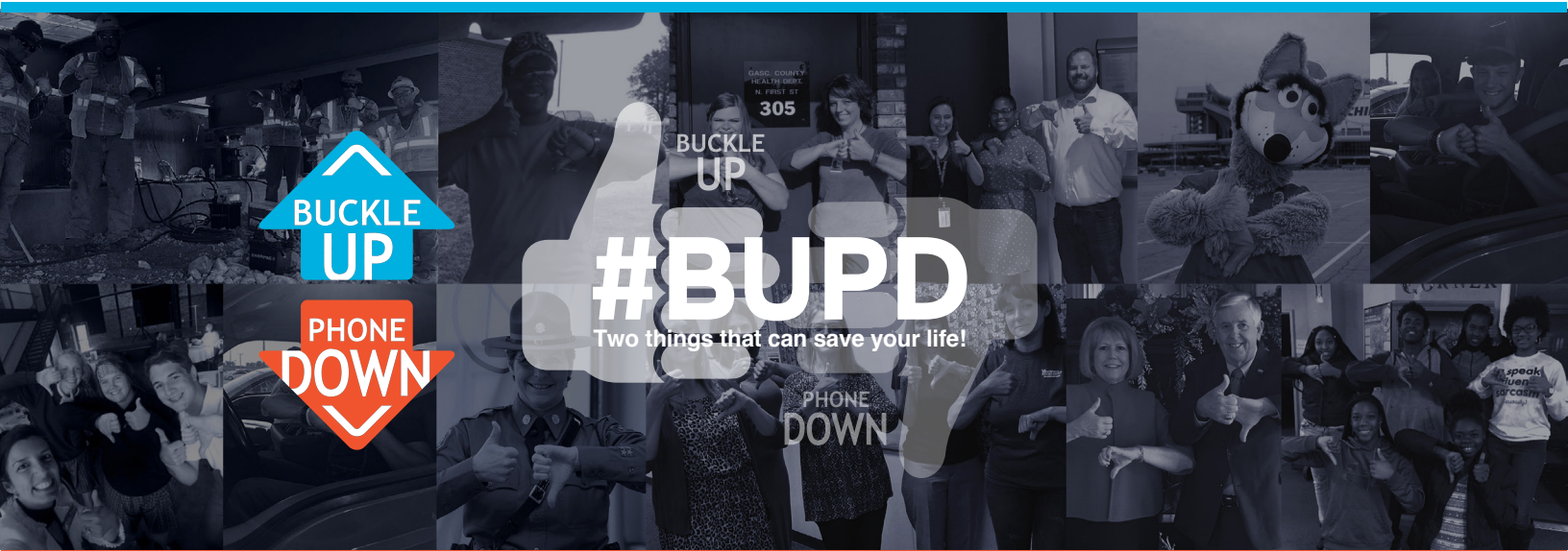
McKenna plans to work with member states to make Missouri's Buckle Up Phone Down a national campaign.

The Buckle Up Phone Down Challenge was introduced in January 2017 to tackle two of the most effective actions drivers can take to stay safe when getting behind the wheel—fastening their seatbelts and putting down their cell phones. The challenge reached a milestone in Missouri this year with more than 11,000 individuals and over 500 businesses having taken the BUPD pledge to always wear their seat belts and put their phones down while driving.

And speaking of seat belts...

The latest Missouri Seat Belt Usage Survey, which has been taken annually since 1998, shows that seat belt use in the state has climbed to its highest rate ever, with 87.7% of Missourians buckling up whenever they get into a vehicle. In 1998 that figure was 60%.

Missouri has seen a 6.4% increase in seat belt usage in the past three years, which coincides with the launch of the BUPD campaign.



2019 National Performance Report Card

RANKINGS

1-10 = A

11-20 = B

21-30 = C

31-40 = D

41-50 = F

A

Road Conditions

Current Performance = 92 percent major highways (5,546 miles) in good condition. 80 percent of minor highways (28,313) in good condition.

National Ranking = Missouri had the 10th best pavements on the National Highway System. (FHWA Highway Statistics)

A

Customer Satisfaction

Current Performance = 77 percent satisfied customers

National Ranking = Missouri trails the highest rated company on the American Customer Satisfaction Index by only 9 percent.

A

Project Management

Current Performance = Missouri road and bridge projects were delivered within 1.3 percent of the award amount and 92 percent were delivered on-time.

National Ranking = Not available.

A

Infrastructure for Business

Current Performance = No internal measure

National Ranking = A CNBC business study ranks Missouri's infrastructure as the 7th best for business.

A

Administrative Costs

Current Performance = \$2,187 cost per mile

National Ranking = Missouri has the 3rd lowest administrative cost per mile. *2018-2019 data is not available

C

Congestion (travel time index)

Current Performance = Kansas City - 1.15 St. Louis - 1.15

National Ranking = Out of 101 urban areas, Kansas City and St. Louis both ranked at 23rd as some of the least congested areas in the U.S. (Texas Transportation Institute)

D

Number of Fatalities

Current Performance = 921 fatalities

National Ranking = Only 14 states experienced more motor vehicle deaths ranking Missouri 36th. (National Safety Council)

D

Bridge Conditions

Current Performance = 9 percent of Missouri bridges in poor condition by deck area.

National Ranking = Missouri ranked 40th for the percent of bridges in poor condition by deck area. (FHWA Highway Statistics)

F

Revenue

Current Performance = \$50,184 revenue per mile

National Ranking = Missouri has the 48th lowest revenue per mile. (FHWA Highway Statistics)

F

Employee Turnover

Current Performance = 13.27 percent

National Ranking = Not available; However, **Stretch Target** = 6 percent. (Price Waterhouse Cooper's Saratoga Institute benchmark data)