

Key facts about Michigan's surface transportation system

April 2021

Investing in our transportation system generates jobs, fosters economic recovery and growth, and improves safety

- Investments in the surface transportation system will boost Michigan's economy in the short-term by creating jobs and in the long-term will enhance economic competitiveness, stimulate sustained job growth, improve access and mobility, improve traffic safety, reduce travel delays, and improve road and bridge conditions.
- Roads and highways are the backbone of our economy, allowing Michigan motorists to travel 102.2 billion miles annually and moving a significant portion of the \$1 trillion worth of commodities shipped to and from the state each year. But, conditions on the system are deteriorating, as the need for transportation improvements far outpaces the amount of state and federal funding available.
- Vehicle travel in Michigan dropped by 54% in April 2020 due to the Covid-19 pandemic (as compared to the same month the previous year), but rebounded to 16% below the previous year's volume in January 2021.
- The design, construction and maintenance of transportation infrastructure in Michigan supports approximately 94,000 full-time jobs across all sectors of the state economy. Approximately 1.9 million full-time jobs in Michigan in key industries like tourism, retail sales, agriculture and manufacturing are completely dependent on the state's transportation network.

Investing in Michigan's surface transportation system improves road and bridge conditions and reduces driver costs

- A total of 42% of Michigan's major roads are in poor or mediocre condition. Driving on deteriorated roads costs Michigan motorists \$4.6 billion a year – \$644 per driver – in the form of additional repairs, accelerated vehicle depreciation, and increased fuel consumption and tire wear.
- A total of 11% of Michigan's bridges are rated in poor/structurally deficient condition, meaning there is significant deterioration to the major components of the bridge. A total of 43% of the state's bridges are at least 50 years old, an age when many bridges require significant rehabilitation or replacement.
- Since 2000, vehicle travel on Michigan's roads increased 4% and the state's population remained steady.
- According to the [Status of the Nation's Highways, Bridges, and Transit, 23rd Edition](#), submitted to Congress by the USDOT in 2019, the U.S. faced a \$786 billion backlog in needed repairs and improvements to its roads and bridges. The report recommended increasing the nation's current \$105 billion investment in roads and bridges by 29% to \$136 billion annually to improve the conditions of roads and bridges, relieve congestion, and improve traffic safety.
- The current federal transportation legislation, [Fixing America's Surface Transportation Act \(FAST Act\)](#), is a major source of funding for road and bridge repairs in Michigan and is set to expire on September 30, 2021. The FAST-Act provided \$6.7 billion to Michigan from fiscal years 2016 to 2021, an average of \$1.1 billion per year. From 2015 to 2019, the federal government provided \$1.06 for road improvements in Michigan for every \$1.00 state motorists paid in federal highway user fees. From 2015 to 2019, federal funds provided the equivalent of 36% of the amount of Michigan capital outlays on road and bridge projects, including construction, engineering and right-of-way acquisition.

Roadway improvements can reduce traffic crashes and save lives

- From 2015 through 2019, 5,016 people died on Michigan's highways, an average of 1,003 annual fatalities. Michigan's traffic fatality rate of 0.96 fatalities per 100 million vehicle miles of travel is lower than the national average of 1.11.
- A 2017 AAA Foundation for Traffic Safety [report](#) found that every \$100 million spent on needed roadway safety improvements would reduce the number of traffic fatalities by 44 and serious traffic injuries by 760 over a 20-year period. Safety improvements needed include adding passing lanes, widening lanes and shoulders, adding medians, adding turn lanes, clearing roadside objects, installing barriers, adding centerline or shoulder rumble strips, adding a bicycle lane or path, improving pedestrian safety features, converting intersections to roundabouts, providing grade separation at intersections, improving intersection signalization, and improving rail crossings.

Latest data from the U.S. Census Bureau, USDOT, FHWA, BTS, ARTBA, NHTSA, and AAA compiled and analyzed by TRIP.

