

Key facts about Massachusetts' surface transportation system

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Investing in our nation's surface transportation system improves safety and generates jobs; Making needed highway improvements fosters economic recovery and growth

- Investments in the surface transportation system will boost Massachusetts' 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 Massachusetts motorists to travel 66.8 billion miles annually and moving a significant portion of the \$436 billion 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.
- The design, construction and maintenance of transportation infrastructure in Massachusetts supports approximately 70,000 full-time jobs across all sectors of the state economy. Approximately 1.4 million full-time jobs in Massachusetts in key industries like tourism, retail sales, agriculture and manufacturing are completely dependent on the state's transportation network.

Investing in Massachusetts' surface transportation system Improves road and bridge conditions and reduces the cost to motorists of driving on deficient roads

- A total of 58 percent of Massachusetts' major roads are in poor or mediocre condition. Driving on deteriorated roads costs Massachusetts motorists \$3.33 billion a year – \$674 per motorist – in the form of additional repairs, accelerated vehicle depreciation, and increased fuel consumption and tire wear.
- A total of 9 percent of Massachusetts' bridges are rated in poor/structurally deficient condition, meaning there is significant deterioration to the major components of the bridge. A total of 69 percent of the state's bridges are at least 50 years old, an age when many bridges require significant rehabilitation or replacement.
- From 2000 to 2018, vehicle travel on Massachusetts' roads increased by 26 percent. The state's population increased by 9 percent from 2000 to 2019.
- According to the [Status of the Nation's Highways, Bridges, and Transit, 23rd Edition](#), submitted to Congress by the United States Department of Transportation (USDOT) in 2019, the U.S. faced a \$786 billion backlog in needed repairs and improvements to its roads, highways and bridges. The nation's current \$105 billion investment in roads, highways and bridges should be increased by 29 percent to \$136 billion annually to improve the conditions of roads, highways and bridges, relieve traffic congestion, and improve traffic safety, according to the USDOT report.

Roadway improvements can save lives and reduce traffic crashes

- From 2014 through 2018, 1,733 people died on Massachusetts' highways, an average of 347 annual fatalities.
- Massachusetts' traffic fatality rate of 0.54 fatalities per 100 million vehicle miles of travel is lower than the national average of 1.13.
- Fatal and serious motor vehicle crashes in which the lack of adequate roadway safety features was likely a contributing factor cost Massachusetts motorists \$2.57 billion per year in medical costs, lost productivity, travel delays, workplace costs, insurance costs and legal costs.
- 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, a national transportation research nonprofit based in Washington, D.C.