
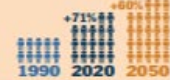

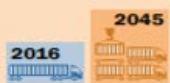








KEYS TO TRANSPORTATION PLANNING – Texas Transportation Plan 2050

Key Factor	Importance to Planning
 <p>System Conditions – Texas highways are well-preserved, and the state’s citizens expect system conditions to be maintained.</p>	<p>New highways require more maintenance and preservation spending in the future. In a fiscally-constrained environment, TxDOT will need to consider tradeoffs between highway expansion and preservation.</p>
 <p>Population Growth – The population of Texas increased 71% over the last 30 years to 28.7 million. It is expected to grow another 60% to 47.3 million by 2050.</p>	<p>Accommodating the transportation needs of the state’s growing population will require both expanding highways and providing more travel options.</p>
 <p>The Texas Economy – The state’s economy is projected to grow by over 250% between 2020 and 2046, from a gross state product of approximately \$2 trillion to nearly \$7 trillion.</p>	<p>The Texas economy and transportation infrastructure are inextricably linked. Economic growth both drives transportation investment needs and is enabled by productivity and accessibility improvements.</p>
 <p>Freight Movement – More than 2.2 billion tons of freight moved within Texas on the state’s multimodal network in 2016. This figure is expected to grow to 4.0 billion tons per year by 2045.</p>	<p>The safe and efficient movement of freight is a foundation of the Texas economy that ensures the state’s future prosperity. The Texas freight transportation sector itself supports 2.2 million jobs and \$215 billion in economic activity.</p>
 <p>Trade – For the past 14 years, Texas has led the country in exports. The state’s exports to Mexico grew in value from \$62 billion in 2008 to \$93 billion in 2016, and exports to Canada reached \$20 billion in 2016.</p>	<p>TxDOT’s preeminence in trade will continue to place strong demand on the transportation system and the need for improved mobility.</p>
 <p>Technology – The speed of technology being developed and deployed is accelerating, particularly in areas associated with automated and connected vehicles.</p>	<p>New and emerging technologies will both provide opportunities to improve the safety and efficiency of transportation and create new institutional challenges to planning and managing their deployment.</p>
 <p>Safety – On average, 10 deaths and 48 serious injuries are reported every day on Texas public roadways. While the annual number of traffic fatalities declined between 2002 and 2010, the state has seen an increase in recent years as the population and amount of travel has increased.</p>	<p>Promoting safety on the Texas transportation system is one of TxDOT’s most important roles. In support of its strategic goal to “Promote Safety,” TxDOT will continually seek and implement strategies to reduce crashes and fatalities through innovation, targeted awareness, and education.</p>
 <p>Risk and Resiliency – The transportation system has been negatively affected by several natural disasters in recent years such as flooding damage caused by Hurricane Harvey and wildfires in Bastrop and rural Texas.</p>	<p>Having a transportation system that resists and efficiently recovers in the face of disruptions will keep Texans safer, facilitate emergency management operations, and limit the extent of economic damages.</p>