

ACTIONS – LONG-TERM



	Strategy	Action	Performance Result
Highway Preservation	Strengthen Non NHS (local) bridge and pavement condition	Inventory more non-NHS condition data on a recurring basis and prioritize and address deferred needs through more state funds.	Prioritizing more local bridge and pavement needs improves safe and reliable passage and critical connections to more rural and rural communities across the state.
	Enhance operations and condition of facilities and roadside assets including quality of travel plazas/welcome centers	Improve facility appearance through improved lighting and building upgrades.	Improving WVDOT facilities not only improves operations but provides a positive customer experience for visitors.
		Install automatic fixtures in buildings to improve facilities and reduce maintenance costs.	Applying modern, environmentally friendly fixes to frequently visited facilities will reduce recurring repair costs and increase savings over time. Effective environmental management minimizes electricity and water usage, pollution, erosion, and other negative impacts.
		Establish operating procedures that reduce environmental impacts and improve WVDOT operations.	
Highway Performance	Reduce crashes through more traffic safety related improvements	Research and construct new transportation technology that increases safety such as colored lane markings, LED lighting, RFID-embedded signs, and more.	Reduce the annual 250+ fatalities that occur on West Virginia roadways, particularly the 65% that cite roadway departure as a contributing factor.
	Address geometric and design improvements to improve traffic safety statewide	Locate and prioritize statewide locations in need of immediate design improvements to address root causes of fatalities and crashes such as blind curves or inadequate shoulders.	Increase the efficiency of safety spending by focusing on the highest priority locations that have high benefit-to-cost ratios.
		Coordinate the development of prioritized locations in need of safety investments with local partners and law enforcement.	
		Communicate the safety benefits and results of improvements to prioritized locations to the public through annual reports.	
	Expand coverage of traffic technology and operations infrastructure	Install more traffic technology, such as Message Boards, Closed Circuit cameras and Road Weather Information Systems along interstates and other high-volume NHS corridors to coordinate incident management across the state and provide alternative routes to travelers.	Lessen the \$1.4 billion in annual economic cost from crashes in West Virginia, helping to keep the system moving safely around events.

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Innovation	Expand the use of asset performance tools and decision support systems	Consistently track and report on the condition of WV's transit services, assets, and vehicles, state bike network (signs, striping) and general aviation assets.	Maintaining assets will remain WVDOT's most critical investment need over the coming decades. New initiatives to track, report and target asset investment decisions will have a direct impact on system performance.
		Pilot more "Smart" infrastructure programs in the state, such as expanding drone use to inspect bridges.	
		Develop tools to support data-driven decisions for safety and general mobility projects, such as benefit/cost analysis or project prioritization methods.	
	Expand agency coordination and foster new partnerships	Expand the use of performance targets to ensure a healthy transportation system and share more data among the various agencies within WVDOT to reduce duplicative efforts.	Better internal and external communication will result in resource efficiencies, support staff morale, and help leverage resources across key WVDOT partners.
	Prepare for an electric, connected, and autonomous transportation future	Support appropriate laws and policies that attract innovative transportation companies to West Virginia.	Preparing for future autonomous and connected technology will allow West Virginia to fully take advantage of the safety and efficiency benefits of technology.
	Expand statewide mobility services, information, and demand management	Develop a statewide platform that allows users to plan trips, purchase or redeem tickets, and receive real-time updates on trip status.	Integrated local, regional, and statewide mobility options fosters enhanced cross coordinated transit service and enhanced asset, safety, and security planning.
	Support more alternative project delivery and management initiatives	Extend the idea of the "Dig Once" policy to similar infrastructure, such as power lines and pipelines.	Bundling similar projects and exploring alternative project delivery methods may reduce administrative overhead and allow projects to be delivered for less money.

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Diversify	Build safe and connected active transportation networks	Continue to construct walking and biking trails to promote outdoor lifestyles, including rail trails.	Increase access for tourism along recreation and scenic routes, creating economic benefits for West Virginia communities.
	Expand aviation opportunities, services, and market access	Leverage state funds to seek federal grant funding for transportation improvements.	Improving partnerships and pooling funding will result in resource efficiencies and help leverage state funds when combined with federal funding.
		Integrate Urban Air Mobility systems into transportation connections by developing launch/landing sites.	Market share of e-commerce continues to grow, an evolving transportation system that meets the needs of a changing economy creates a competitive advantage.
	Expand passenger rail market access to key destinations and opportunities	Repurpose abandoned rail lines by constructing rail trails.	Access to a trails system increases the attractiveness of tourist destinations, generating economic activity.
		Improve intercity passenger rail with improved train schedules.	Increased train frequency seeks to reduce customer wait times, improve customer experience, and increase ridership.
		Connect rail and transit with bus routes to passenger rail stations.	Closing accessibility and mobility gaps in the transportation system maximizes investments while minimizes operations and maintenance costs. Improving cross-modal connections also improves ridership and return on investment.
	Expand freight rail market access and intermodal opportunities	Constructing new rail sidings and spurs to industries improves getting goods to/from the global market.	Shifting goods to ship by rail reduces emissions, decreases conflicts with truck traffic, and utilizes existing infrastructure. Providing direct rail access supports local businesses and promotes economic growth.
		Create and sustain rail funding for rail improvements statewide.	Shortline railroads need to maintain and modernize their infrastructure to operate efficiently and competitively and provide needed access to local businesses. By providing funding support for Shortline railroads supports economic development and business development across the state.