MoDOT

LRTP

Long-Range Transportation Plan

Implementation Plan

DRAFT

Introduction

The Implementation plan bridges the gap between vision and reality, detailing how to achieve Long-Range Transportation Plan (LRTP) goals and objectives by outlining specific actions, scenarios, stakeholder engagement, funding and resource strategies and priorities aligned with statewide programs and policies.

Source: MoDOT

The development of this Implementation Plan reflects an extensive, year-long process that began with revisiting MoDOT's mission, vision and goals to guide long-range planning through 2050. Starting in early 2025, MoDOT and its partners conducted a multi-phase stakeholder engagement effort, including outreach to Metropolitan Planning Organizations (MPOs), Regional Planning Commissions (RPCs), district offices and the Modal Advisory Committee (MAC), as well as public input through surveys, virtual meetings and events like the Missouri State Fair. The feedback and insights gathered during these activities helped shape Missouri's goals, objectives, vision and the scenario planning process.

Using baseline snapshots, "future headlines" and policy lever discussions, the scenario planning process explored future conditions across four key topics: funding and investments, safety, economic growth and rural and aging communities.

By late 2025, MAC meetings and executive reviews refined priorities and identified actionable strategies aligned with statewide programs and policies. This collaborative approach culminated in the Action Plan, which organizes recommendations into short-, mid- and long-term timeframes and provides a roadmap for implementing the LRTP and State Freight and Rail Plan (SFRP) goals.

Action Plan

The Action Plan translates the LRTP vision into a practical roadmap for implementation, providing clear steps to achieve MoDOT's established goals and objectives through 2050. It outlines general recommendations and identifies critical issues, such as safety risks, aging infrastructure, freight bottlenecks and funding constraints, while strengthening a collaborative planning process that supports effective communication and coordination among statewide stakeholders. It builds on statewide programs and policies, including the Freight Enhancement Program, Show-Me Zero safety initiatives and multimodal connectivity strategies.

Recommended Implementation Strategies Address:

POLICY

OPERATIONS

PROJECT DEVELOPMENT

COMMUNICATIONS

For Fiscally Responsible Investments, Funding and Resource Considerations Integrate:

STATE/FEDERAL PROGRAMS

CROSS-SECTOR PARTNERSHIPS

PERFORMANCE-BASED PRIORITIZATION

Action Plan Aligns With Performance Trends and Targets, Supporting MoDOT's Statewide Goals For:

SAFETY

RELIABILITY

STEWARDSHIP

ECONOMIC VITALITY

Long–Range Transportation Plan

Several recommendations for achieving the goals and objectives of the LRTP have been established, as shown in **Table 1**. Recommended action items are categorized by:

- **Short-term (0–5 years)**
- **Mid-term (5–10 years)**
- **Long-term (10+ years)**

Table – 1 Recommendations and Action Items to Support LRTP Goals and Objectives

Recommendation	Associated Goal	Action Item
Short–Term (0–5 Years)		
Assess Future Revenue Scenarios to Inform Planning	Stewardship	Continue revenue impact analysis to forecast future funding gaps.
Advance Show-Me Zero and Vulnerable Road Users (VRU) Safety Strategies Through Collaborative Efforts	Safe	Continue supporting and promoting Show-Me Zero and VRU strategies.
Advance Freight Connectivity and Address Parking Needs	Prosperous	Collaborate with partners to assess freight bottlenecks at key intermodal hubs and explore strategies to improve efficiency and address truck parking challenges, as appropriate and subject to available resources.
Explore Options for a Repository for Local Active Transportation Plans	Connected	Explore options for creating a repository for local active transportation plans to enhance collaboration.
Create a Shared Platform for Active Transportation Resources	Connected	Collaborate with regional partners to identify, compile and share active transportation resources—such as plans, data and best practices—through a coordinated approach that improves accessibility and supports regional connectivity.
Research Emerging Technologies Pilot Programs	Innovative	Assess potential pilot programs for emerging technologies that emphasize techniques and treatments from innovative programs—Transportation System Management and Operations (TSMO) and the Missouri State Transportation Innovation Council (MoSTIC)—and identify opportunities for future implementation.

Mid–Term (5–10 Years)		
Strengthen Long-Term Transportation Funding Stability	Stewardship	Evaluate strategies to address revenue challenges, including potential alternative funding mechanisms such as mileage-based user fees, tolling and congestion pricing.
Apply Advanced Technologies for Safer, Smarter Mobility	Safe	Leverage smart signal systems, intelligent transportation systems and data analytics to enhance safety and reliability.
Leverage Technology and Broadband	Innovative	Look for opportunities to invest in technology to improve infrastructure, including leveraging broadband, intelligent transportation systems and advances in artificial intelligence (AI) solutions.
Evaluate Cost Share Program Requirements	Prosperous	Evaluate cost share program requirements to identify opportunities for implementing strategies that expand fiscally constrained communities' participation in this highly beneficial program.

Long–Term (10+ Years)		
Multimodal Focus	Reliable	Integrate additional intermodal connections to better move freight and people via rail, water and air, not just highways.
Explore AI Technology	Reliable	Investigate, consider impacts and develop a framework which could identify and implement AI-driven traffic and incident management to continue increasing reliability of the system.
Strengthen Transit Funding and Modernize Statutes	Connected	Explore opportunities to strengthen transit funding and review statutory updates to support evolving mobility options.

These action items drew support from stakeholders for the following reasons:

- Strengthening financial sustainability and stewardship of transportation resources
- Enhancing system safety, reliability and real time responsiveness
- Expanding multimodal options and improving access across geographies and user groups
- Advancing innovation to modernize infrastructure and improve statewide mobility

State Freight and Rail Plan

The Missouri Freight Action Plan establishes a proactive, statewide framework to guide freight planning and investment decisions over the next 20 years.

As discussed SFRP, the Missouri Freight Action Plan builds on the analyses and recommendations specified in the SFRP providing strategic, actionable guidance to address anticipated freight growth, evolving patterns and critical challenges such as truck parking, multimodal connectivity and infrastructure resiliency. The plan aligns with the LRTP and SFRP goals, Reliability, Innovation, Stewardship, Safety, Prosperity and Connectivity and fosters collaboration among MoDOT, MPOs, RPCs, ports, railroads and private-sector partners to support efficient goods movement and economic competitiveness.

Source: MoDOT