

LONG RANGE TRANSPORTATION PLAN 2045

As life in Kansas changes with emerging technology, a shifting population and an aging citizenry (many trends which are playing out across the country), the Kansas Department of Transportation (KDOT) must adapt and help create a thriving transportation network that connects people, freight and technology.

That is why KDOT is updating the State's Long Range Transportation Plan (LRTP) to establish a vision for improving the Kansas transportation network through resiliency, facilitating opportunities for healthy communities and strengthening the economic future of the state. The LRTP will identify changing mobility, technology, funding and infrastructure challenges and opportunities to create a modern transportation system to support Kansans.

The LRTP is a policy document to set the strategic direction for the future of transportation in Kansas through 2045. It will identify the level of investments required for moving forward. It is not a list of projects, but

rather a guide for future decisions and project priorities. The LRTP will focus on:

- Modal needs (highways, transit, aviation, rail, bike and pedestrian) and funding gaps,
- Linking planning and programming,
- Connected and automated vehicle preparedness,
- Future scenario needs analysis and resiliency planning,
- Allocating limited transportation resources,
- Performance based objectives,
- Regional frameworks and national best practices.

One of the first steps of the LRTP will be to establish clear goals to set a long-term vision for Kansas transportation. We want to think about what we need – and what we don't need – to make sure we have the best system to serve the Kansans of the future. The goals will serve as the foundation for creating policies and setting transportation investment priorities.

MAJOR COMPONENTS OF THE LRTP

ENVISIONING THE FUTURE

To understand how Kansans are thinking about the future, KDOT will use scenario planning as a way of examining long range issues and their impact on transportation. What could happen if rural communities grow into thriving hubs, thanks to fast broadband for telecommuters and automated vehicles to help seniors age in place? What if increasingly extreme weather events damage roads and bridges, resulting in higher replacement costs? Or what if nearly all of Kansas residents move to cities, where they walk everywhere instead of driving? This LRTP will consider various scenarios to help KDOT make smarter decisions today about future transportation needs in Kansas.



EXISTING AND EMERGING NEEDS

The LRTP will explore Kansas trends in population, demographics, employment and economics. It will evaluate current and emerging transportation needs and technologies, such as connected and autonomous vehicles. And it will use the result to set goals for how the state transportation system should work and identify the investments needed to achieve those goals.

CONDITIONS AND PERFORMANCE

Further understanding the existing conditions of KDOT's highways, bridges, and other modes is the first step in establishing appropriate goals for future maintenance and expansion needs. We will then collaboratively determine performance levels for our assets and services, and identify the gap between the current conditions and desired levels. This process will determine how much it will cost to close that gap.

PUBLIC INPUT AND THE LRTP

Hearing from the public is an important part of developing the plan. KDOT will conduct Local Consult meetings to understand community priorities regarding the future of their transportation system. An Advisory Group will provide high-level strategic insight into statewide transportation needs and concerns. There will also be online survey opportunities to gather public input on transportation needs and priorities.

A MODERN TRANSPORTATION SYSTEM MOVES



PEOPLE



FREIGHT



TECHNOLOGY

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