

ONE NEVADA TRANSPORTATION PLAN

The Nevada Department of Transportation's Long-Range Transportation Plan



SAFETY, INFRASTRUCTURE, MOBILITY, ECONOMY, SUSTAINABILITY, COMMUNITY

This Plan is Our Plan!

A Transportation Plan—by Nevadans, for Nevada



How safely, quickly, and easily we get around affects our daily life, and our quality of life. As our state continues to grow, Nevada's transportation system must anticipate and support that growth and plan effectively for the future.

We have a lot to consider. In addition to current and future transportation needs, we need to understand how to respond to emerging transportation technologies, changes in traditional work methods and commutes, reduced vehicle ownership rates, maintenance requirements of existing infrastructure, and changes in the modes by which people and goods travel.

Making the process more challenging is the fact that limited funds are available to meet these nearly countless needs. The Nevada Department of Transportation (NDOT), as the steward of those limited transportation funds, takes this responsibility very seriously, always striving to achieve the greatest overall benefit in Nevada's transportation infrastructure for every dollar invested. NDOT must — and does — identify and set priorities collaboratively with communities across the state, enabling well-informed decisions to be made on behalf of all Nevadans.

Nevada's future vision is for a safe and connected multimodal transportation system that links Nevadans and supports our state's economic vitality.

The One Nevada vision balances the need to preserve and improve existing infrastructure while recognizing the value of strategic investments in mobility and connectivity. NDOT is committed to advancing this vision by working with public- and private-sector partners to identify opportunities and priorities consistent with goals and objectives that benefit all Nevadans.



KEEPING NEVADA MOVING FORWARD



NDOT is responsible for the planning, construction, operation, and maintenance of the **5,400 miles** of highway and over **1,000 bridges** that make up our state highway system.

Nevada's transportation system and NDOT's responsibility support travel in various ways, including by **road, air, rail, transit, and improved connectivity.**

The What, Why, and Who

What is a long-range transportation plan? It is a plan that addresses transportation needs, priorities, and issues, ranging from the present day to 20 years or more in the future. It is similar to good drivers who watch what traffic is doing hundreds of feet ahead, enabling them to anticipate issues, drive smoothly without constant adjustments, and react effectively to changing conditions over the course of the entire trip. Taking the long view for transportation planning ensures efforts to meet current and near-term transportation needs are coordinated efficiently with longer-term needs and forecasts. With this approach, funds aren't spent this year on a project that will quickly become outdated or obsolete when another project is built 5 years from now.

What is the One Nevada Transportation Plan? It is a well-thought-out plan for meeting Nevada's transportation needs now and into the future. It spells out the goals, priorities, strategies, and actions needed to maintain a safe, efficient transportation system with limited, and changing, funding resources. The *One Nevada Transportation Plan* supports a transparent, value-based process for prioritizing transportation improvements. Providing a unifying framework and guiding policies for our state, it helps integrate statewide, regional, and local transportation plans efficiently to obtain the greatest value from the funds spent.

Why do we need a plan? In two words: "change" and "resources." Change in demographics and technologies, in the number of automobiles on the road, in the condition of our infrastructure, and in the way people travel. Resources in the sense that limited funds are available for the many ongoing and emerging needs. Prioritizing those needs statewide and allocating funds wisely— and getting the most out of those funds — is critical.

Between 2010 and 2017, Nevada's total population grew by nearly 300,000 new residents — an 11% increase — ranking Nevada as the sixth fastest growing state in the country. And more than 56 million people visited the state in 2017 — that's like the entire population of Texas visiting the state twice. The impact equates to more vehicles on the road, more miles driven, and greater overall demands on our entire transportation system. Between 2007 and 2016, more than 600 pedestrians and cyclists were killed in Nevada. NDOT has a role to support the entire transportation system, which includes pedestrian and bike facilities, as well as other modes. However, while NDOT supports such planning efforts, NDOT does not own or operate any aviation or rail facilities.

Transportation improvements must be planned ahead of critical needs, otherwise the state will always be playing catch-up, reacting to the latest crisis. This Plan takes a long-term, big-picture, cost-effective approach to address important needs throughout Nevada.





“The One Nevada Transportation Plan aims to ensure a strong, flexible transportation system that meets changing economic needs and is supportive of commerce. The plan will help enhance Nevada’s economic growth during good times, while also increasing our resilience—allowing us to bounce back more quickly when larger, unexpected, and uncontrollable economic forces prevail.”

Paul Anderson, Executive Director, Nevada Governor’s Office of Economic Development

4.2% of Nevada commuters walk or bike



Who developed the Plan? Development of the One Nevada Transportation Plan involved thousands of Nevadans over a 2-year period, led by NDOT Planning and guided by a steering committee of federal, state, regional, and local agency partners. Early on, the team hit the road, traveling to all ends of the state to speak with residents so the Plan would reflect diverse perspectives — urban and rural communities, desert and mountain lands, and tourism and industry towns. Significant input and support also came from numerous local agencies, metropolitan planning organizations, and elected officials.

What happens next? With the Plan in place, we take action! Key areas of focus moving forward include:

- Making greater use of technology to enhance infrastructure deployment and management
- Providing greater emphasis on multimodal considerations
- Investigating new and innovative funding sources
- Addressing federal funding requirements by shifting toward a more performance- and outcome-based decision making process for prioritizing projects that support national transportation goals
- Continuing statewide participation in the planning process to unify information sharing and decision making



By applying the *One Nevada Transportation Plan* goals and priorities, we'll start implementing, measuring, and reporting our progress. You can follow our performance at www.oneNVplan.com



Setting Goals Maximizes Benefits from Our Transportation Dollars

Identifying the key goals for identifying and prioritizing transportation improvements was an important step in developing the One Nevada Transportation Plan. These goals will be directly applied to help us prioritize transportation construction projects and how funds are committed to achieve the best investment value. Developed in close collaboration with public and private partners, community groups, and industry experts, these goals allow us to make decisions and take actions that benefit all Nevadans:



Enhance Safety – Consistent with NDOT’s commitment to Zero Fatalities, this goal is focused on eliminating fatalities on all public roads and for all modes of travel by building, maintaining, and operating the safest transportation system possible.



Optimize Mobility – Mobility means moving people and goods more efficiently, more safely, and more reliably. Making strategic investments in improvements and technologies will enhance mobility—providing better connections and accessibility.



Transform Economies – Transportation is essential to Nevada’s ability to attract and efficiently move people and support commerce. A supportive and innovative infrastructure framework increases the contribution of our transportation system to Nevada’s economic competitiveness.

Foster Sustainability – Sustainability applies to both environmental and financial considerations—by designing, operating, and maintaining a transportation system using materials, technologies, and features to minimize impacts to our natural resources and reduce long-term maintenance costs.

Connect Communities – This goal supports vibrant neighborhoods and connects residents to local resources and amenities. It strengthens livability and quality of life by providing better connections, greater transportation choices, and more innovative transportation services for all travelers.



PLANNING TODAY FOR NEVADA'S FUTURE

The transportation industry is constantly evolving and advancing. Even in our own lifetime, we've seen technological advances and "disruptors" quickly affect business, our jobs, and our daily lives. Just a generation ago, no one would have dreamed of using a "smart phone" to locate a shared vehicle or imagined an autonomous vehicle driving beside them. Yet technology's effects on business, travel, employment opportunities, and life in general will continue to impact us—whether we're ready or not. And, it is NDOT's responsibility to anticipate and respond to these changes as they affect the state's transportation system.

The successful Nevada of tomorrow starts by planning for those changes, and addressing the challenges, today.

Present-day Nevada's multimodal transportation system is a diverse network of infrastructure and resources that serve as the conduit for goods, commerce, and travel across the state and beyond. Tomorrow's Nevada will likely experience major changes in demand for transportation services, impacts from new technologies, and shifts in the state's demographics and economy. Already, Nevada's population and economic growth are forecast to quickly outpace the capacity of our current transportation system. **More than 1 million new residents** are expected to call Nevada "home" by the year 2040. The result is increased demand for travel and the need for strategic investments in new capacity balanced against new ways of managing congestion, increasing roadway efficiency, and capitalizing on new technologies and transportation services, while expanding travel options.

To ensure the success of Nevada's transportation system of the future, significant uncertainty and potential disruption have to be considered and planned for now. And that's exactly what the *One Nevada Transportation Plan* does.

Nearly 400 projects were identified as needs and prioritized for construction over the next 20 years. With assumptions of static revenue in place, the projected short fall is **billions** of dollars resulting in falling further behind in meeting Nevada's transportation needs. To get ahead of this issue, NDOT is exploring innovative funding and financing approaches, as well as collaborating with public- and private-sector partners. The *One Nevada Transportation Plan*, through goal-setting and prioritization, is also key to addressing this future funding challenge.





Plan A

Projects from
County Tours and
Regional Plans



Projects from
Corridor and
Needs Studies

1. Long-Range Project Screening

Are we identifying needs consistent with One Nevada Transportation Plan goals?

Long-Range Screened Project

2. Investment Allocations and Performance Tradeoffs

Where should we invest to meet statewide performance targets?

Program Spending Targets

3. Mid-Range Program Level Project Prioritization

How should we prioritize projects?

Prioritized Projects from Program Plans

4. STIP Project Prioritization

What are our priority projects?

Prioritized STIP Project Selections

This *One Nevada Transportation Plan* represents NDOT's first performance-based long-range transportation plan and integrates and aligns other system, modal, and corridor plans through statewide goals and performance measures. NDOT is committed to transitioning toward a more performance-based, data-driven, and outcome-oriented approach to transportation planning and programming. This plan establishes a vision for connecting decision-making through a performance and prioritization planning framework. This framework advances NDOT to a performance-based organization by aligning goals, allocating resources, setting targets, prioritizing projects, and then measuring progress. This moves NDOT forward in making the right investment decisions, on the right projects, and at the right time!

This unified plan marks the beginning of an ongoing process of continuous improvement, coordinated planning, and collective action with partners toward one clear focus—transportation. NDOT, in cooperation with planning partners, is committed to achieving Nevada's multimodal transportation vision and making progress on the six goals of this *One Nevada Transportation Plan*. NDOT will continue to work, collaborate, and innovate beyond this planning effort to implement strategies and to identify the roles and responsibilities of partners in these efforts:

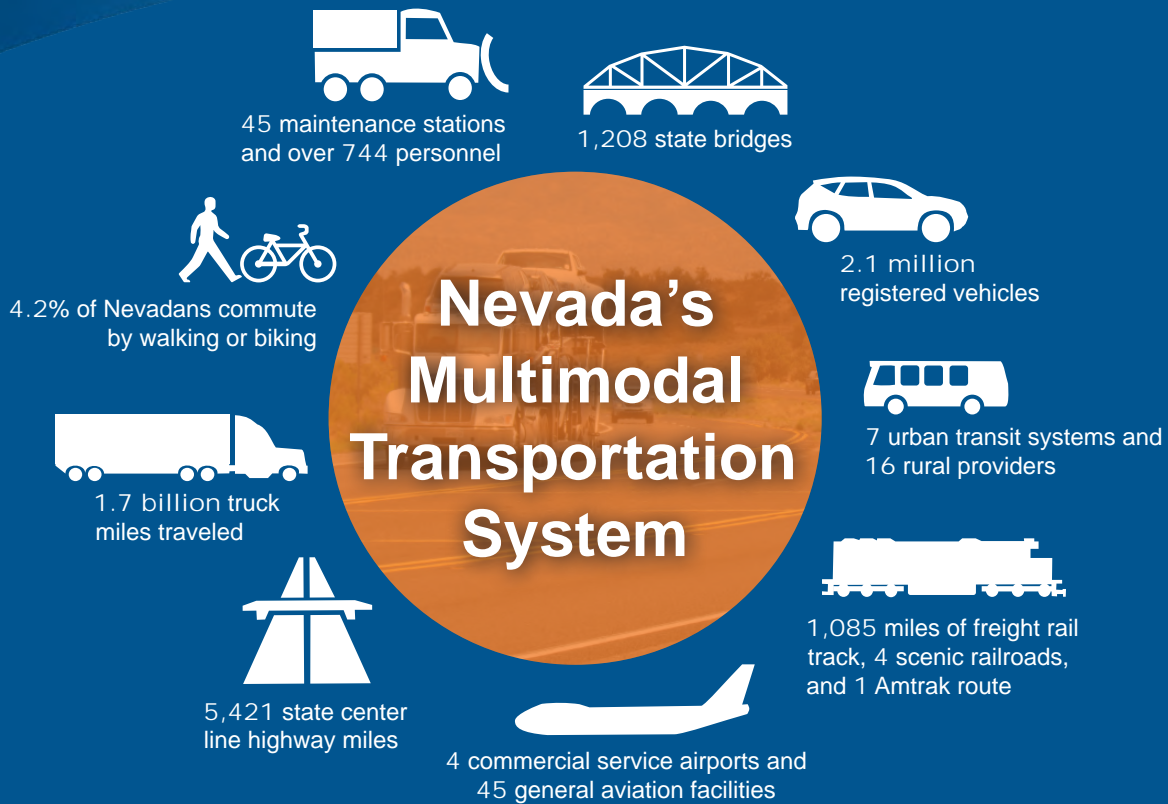
- Accountability
- Collaboration
- Adaptability
- Innovation
- Multimodal System
- Customer Focus

While the future may be uncertain, this *One Nevada Transportation Plan* provides vision, direction, and strategies on how to move forward. In public meetings, briefings, and online surveys, participants consistently expressed optimism that Nevada was a great place to live and work—and transportation was a critical role in achieving that goal. And this plan does just that—creates one vision for Nevada.

One Vision. One Plan. **One Nevada.**

With an annual investment of nearly \$1 billion, NDOT's decisions have significant impacts on safety, quality of life, the environment, and economic opportunities statewide.

The *One Nevada Transportation Plan* supports NDOT's flexible, adaptable approach to investing those funds by establishing goals, strategies, and data-driven decision-making to address today's needs and better anticipate and respond to future change by implementing projects that improve mobility and safety for the traveling public in a manner that is a cost-effective and responsible use of your taxpayer funds.



Find out more about the *One Nevada Transportation Plan* at www.oneNVplan.com

Remember, this Plan is Your Plan! We'd love to hear your feedback, ideas, or suggestions. Contact NDOT Planning at tmueller@dot.nv.gov