



U.S. DOT Research, Development
and Technology (RD&T)
Strategic Plan (FY 2022-2026)

*- Building a Better
Transportation Future for All*

RESEARCH, DEVELOPMENT, AND TECHNOLOGY

STRATEGIC PLAN

Fiscal Years 2022 – 2026

Building a Better Transportation Future for All



U.S. Department of Transportation

Overview

- ✓ A new U.S. DOT Research, Development and Technology (RD&T) Strategic Plan for Fiscal Years 2022 to 2026.

Purpose

- ✓ Defines our research priorities and guides our RD&T activities for the next 5 years.
- ✓ Describes the research to practice activities needed to accomplish our strategic goals and meet statutory requirements.
- ✓ Sets a national research vision for the future of the nation's transportation system.

Status

- ✓ Plan published in December 2022.

DOT Strategic Goals (FY 2022-2026)



49 U.S.C Chapter 65 (Research Planning) Transportation Research Primary Purposes

- Promoting safety
- Improving mobility of people and goods
- Reducing congestion
- Improving the durability and extending the life of transportation infrastructure
- Preserving the existing transportation system
- Preserving the environment
- **Reducing transportation cybersecurity risks***

** Added in the Bipartisan Infrastructure Law (BIL)*

** Organizational Excellence not included in the RD&T Plan*



National Transportation Research Vision

*“We envision a people-centered transportation system that provides safe, accessible, reliable, equitable, and sustainable transportation **for all** through purpose-driven research and innovation for this and future generations”*

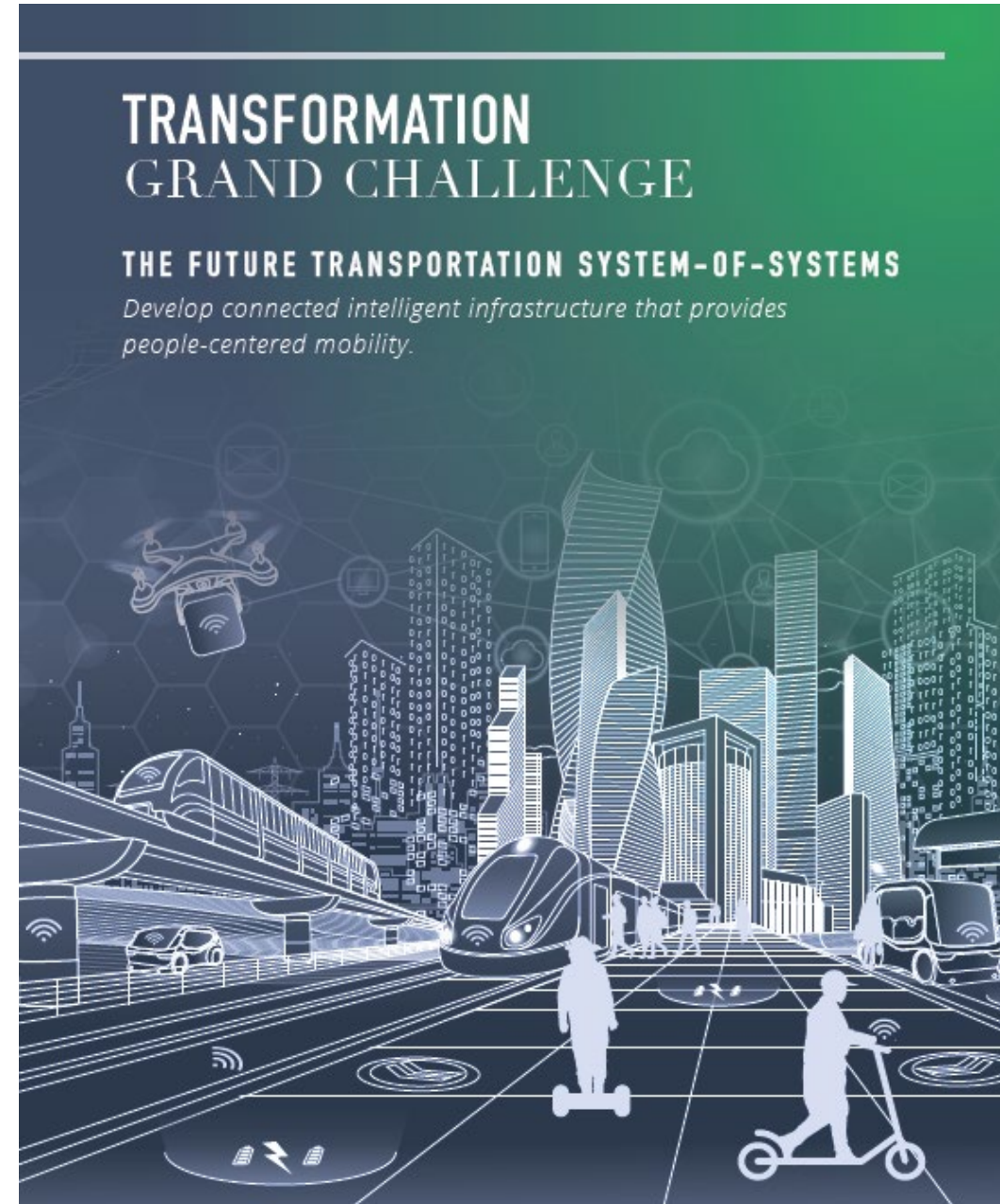


Research Priorities and Grand Challenges

STRATEGIC GOALS	RESEARCH PRIORITIES	GRAND CHALLENGES
Safety	<ul style="list-style-type: none">• Human Factors• Data-Driven System Safety• Cybersecurity	Zero Fatalities: Advance a future without transportation-related serious injuries and fatalities.
Economic Strength and Global Competitiveness	<ul style="list-style-type: none">• Resilient Supply Chains• Advanced Asset Management• System Performance• Create Pathways to Good Quality Jobs	Resilient Supply Chains: Create a multi-modal freight system that can withstand and rapidly recover from severe disruptions.
Equity	<ul style="list-style-type: none">• Equity and Accessibility Assessment• Mobility Innovation• Wealth Creation	Equitable Mobility for All: Create an equitable transportation system that provides safe, affordable, accessible, and convenient mobility options for all users.
Climate and Sustainability	<ul style="list-style-type: none">• Decarbonization• Sustainable & Resilient Infrastructure	Net-Zero Emissions: Create a transportation system that supports an economy with net-zero greenhouse gas emissions.
Transformation	<ul style="list-style-type: none">• Integrated System-of-Systems• Data-Driven Insight• New and Novel Technologies	The Future Transportation System-of-Systems: Develop connected intelligent infrastructure that provides people-centered mobility.

Next Steps

- U.S. DOT is now developing a “Transformation Plan” to identify specific actions for leadership and execution.
- Extensive stakeholder engagement planned for early/mid 2023.
- Now seeking your help to disseminate the plan as widely as possible and gain feedback on priority actions.
- Together we can create a better transportation future for all.





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<https://www.transportation.gov/rdtstrategicplan>