

The U.S. DOT Data for Automated Vehicle Integration (DAVI)

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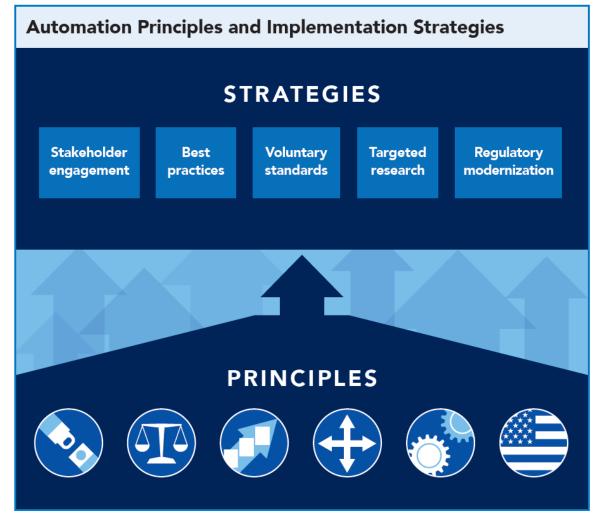


Purpose of Today's Session

- Provide an update on lessons learned through U.S. DOT's Data for Automated Vehicle Integration (DAVI) initiative, including:
 - Priorities for data exchange
 - Federal and non-federal roles
 - Progress on increasing access to work zone data

AV 3.0 & Data

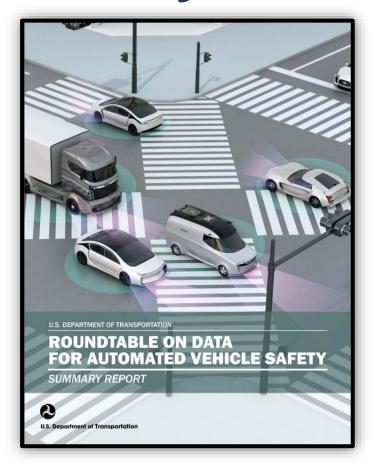
- Provides new multimodal safety guidance, clarifies policy and roles, and outlines how to work with U.S. DOT as automation technology evolves
- Calls on stakeholders to identify opportunities for voluntary data exchanges
- Features efforts aimed at enabling voluntary data exchanges



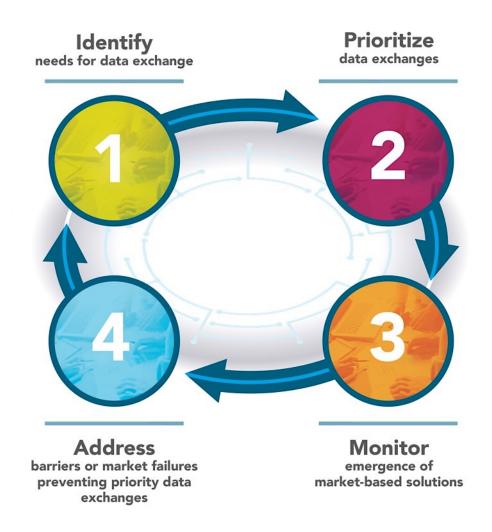
- Prioritize safety
- Remain technology neutral
- Modernize regulations
- Encourage consistent regulatory and operational environment
- 5. Prepare proactively for automation
- 6. Protect and enhance the freedoms enjoyed by Americans

Roundtable on Data for AV Safety





U.S. DOT's Data for AV Integration (DAVI) Initiative



U.S. DOT's Guiding Principles on Data for Automated Vehicle Safety



1. Promote proactive, data-driven safety, cybersecurity, and privacy-protection practices.



2. Act as a facilitator to inspire and enable voluntary data exchanges.



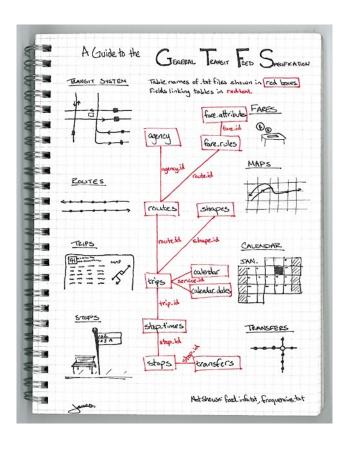
3. Start small to demonstrate value and scale what works toward a bigger vision.



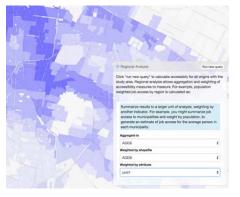
4. Coordinate across modes to reduce costs, reduce industry burden, and accelerate action.

What can we learn from the open transit data story?

A **simple** specification...



...with a wide range of uses











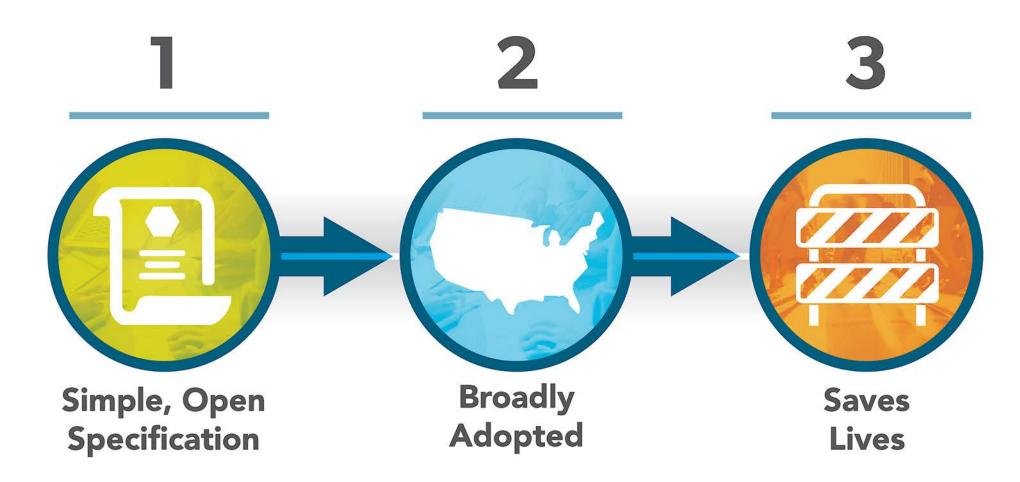
A Federated Front Door to Transit Data

- Now, basic transit data is easy to find and use nationwide.
- Transit agencies and their users continue to collaborate on the specifications.

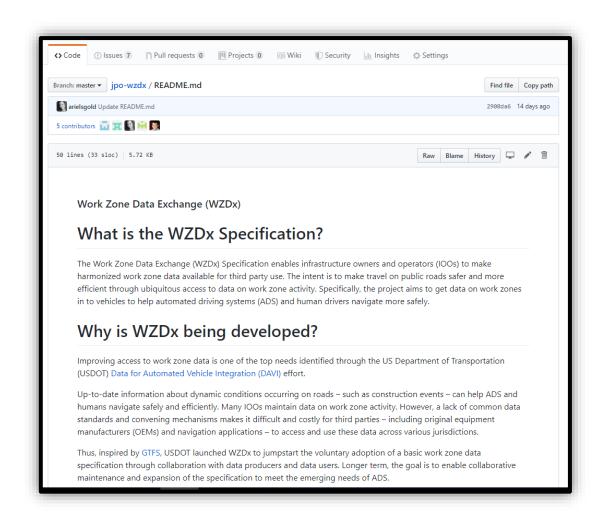


Figure 4: Map identifying the different locations where basic transit data can be found and used

Can this be replicated?



The Work Zone Data eXchange (WZDx)



Resources

To learn more and access available resources, please visit:

- DAVI Website
- Automated Vehicles 3.0
- AV Data Roundtable Summary Report
- City of Austin Smart Mobility Roadmap
- General Transit Feed Specification

- WZDx Version 1.1. Common Core
 Data Specification
- WZDx Project Repo
- Work Zone Data Initiative
- ITS.DOT.gov

For information on the WZDx project or anything else related to the DAVI initiative, contact avdx@dot.gov

