Work Zone Data Exchange (WZDx)

SPECIFICATION
The Work Zone Data Exchange (WZDx) Specification enables infrastructure owners and operators (IOOs) to make harmonized work zone data available for third-party use. The intent is to make travel on public roads safer and more efficient through ubiquitous access to data on work zone activity. Specifically, the project aims to get data on work zones into vehicles to help automated driving systems (ADS) and human drivers navigate more safely. To set up a feed, ingest a feed, or provide feedback on the specification visit the WZDx project site: https://github.com/usdot-jpo-ode/jpo-wzdx/blob/master/README.md

WZDx DEMONSTRATION GRANTS
The U.S. Department of Transportation (U.S. DOT) awarded $2,372,254 on January 15, 2021 for Work Zone Data Exchange (WZDx) Demonstration Grants to fund 13 projects in 13 States. The purpose of this research program is to increase the safety of the traveling public through the production of consistent public work zone data feeds across jurisdictions. This was a one-time funding opportunity for public roadway operators to make unified work zone data feeds available for use by third parties and collaborate on the WZDx Specification development. Information on the awards can be found at: https://ops.fhwa.dot.gov/wz/wzdx/demonstration_grants.htm.

For more information, visit: https://ops.fhwa.dot.gov/wz/wzdx/index.htm

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Data for Automated Vehicle Integration (DAVI) Initiative

Improving access to work zone data is one of the top needs identified through the U.S. DOT's Data for Automated Vehicle Integration (DAVI) effort.

Up to date information about dynamic conditions occurring on roads—such as construction events—can help automated driving systems (ADS) and humans navigate safely and efficiently. Many infrastructure owners and operators (IOOs) maintain data on work zone activity. However, a lack of common data standards and convening mechanisms makes it difficult and costly for third parties—including original equipment manufacturers and navigation applications—to access and use these data across various jurisdictions. More broadly, through this project, the U.S. DOT aims to identify a repeatable approach to accelerate harmonization of local data sources that can improve roadway safety and efficiency.

Identify needs for data exchange

Address barriers or market failures preventing priority data exchanges

Prioritize data exchanges

Monitor emergence of market-based solutions

For more information, visit: https://ops.fhwa.dot.gov/wz/wzdx/index.htm

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U.S. Department of Transportation
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