U.S. Department of Transportation



U.S. DOT WORK ZONE DATA EXCHANGE (WZDX) DEMONSTRATION GRANTS WEBINAR

June 25, 2020

AGENDA

- Ground Rules and Logistics
- Executive Welcome
- Work Zone Data Exchange (WZDx) Overview
- Eligibility and Requirements
- Submission Requirements
- Dates and Reminders
- Questions

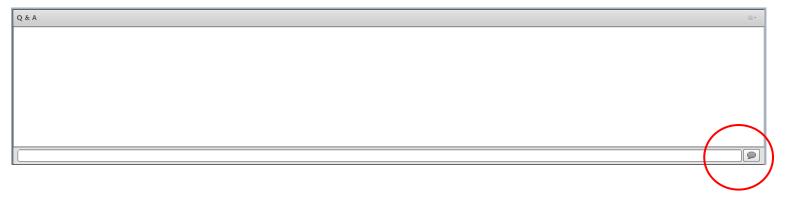
GROUND RULES AND LOGISTICS

GROUND RULES AND LOGISTICS

- This webinar is being recorded and will be posted to the USDOT website.
- Any statements or remarks made during the webinar shall not alter the terms of the solicitation.

SUBMITTING QUESTIONS

- Use **Q&A** pod on the bottom of your screen.
- Questions will be addressed after the last presentation, as time permits.



Type your question and hit "send question".

EXECUTIVE WELCOME

Martin Knopp

Associate Administrator for Operations Federal Highway Administration

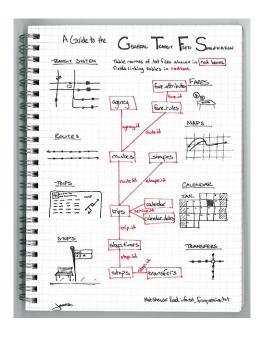
WZDX OVERVIEW

THE CHALLENGE

- 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 (OEMs) and navigation applications—to access and use these data sets across various jurisdictions.

LEARNING FROM OPEN TRANSIT DATA

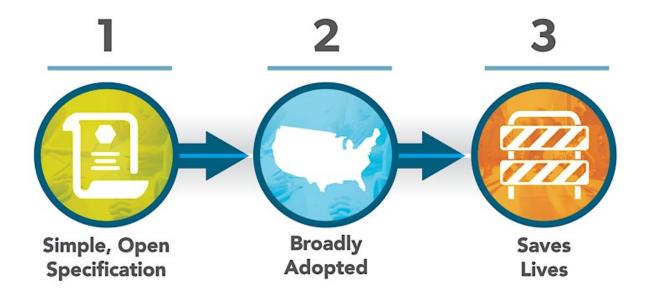
A **simple** specification...



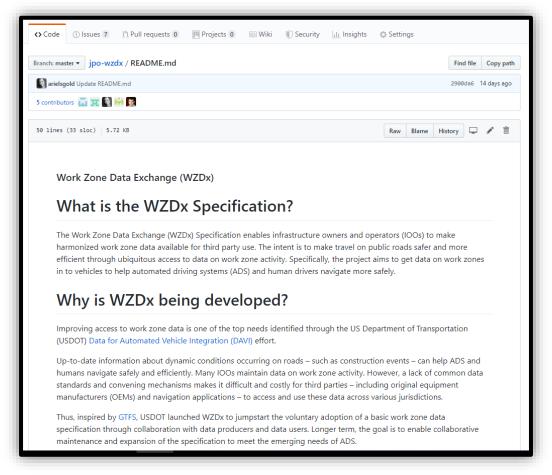
...with a wide range of uses



THE WORK ZONE DATA EXCHANGE (WZDX)



THE WORK ZONE DATA WORKING GROUP



WZDx Specification and Project Page

RESOURCES & REFERENCES

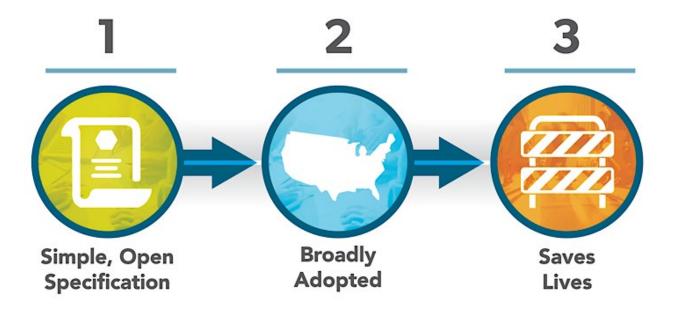
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WZDx JSON Schema



FHWA Work Zone Data Initiative

WZDX DEMONSTRATION GRANTS



ELIGIBILITY AND REQUIREMENTS

BASIC AWARD INFORMATION

- Total funding: \$2.4M
- Number of Awards: Up to 12
- Potential Award Amounts: Up to \$200,000 each
- **Period of performance**: 14 months
- Cost Share: 20% Non-Federal Share
- Federal involvement: Performance monitoring, technical assistance, and participation in status meetings, workshops, and technical group discussions.

AWARD CATEGORIES

In order of priority, USDOT intends to fund projects in the following categories that will result in:

- A. Publication of a <u>new WZDx-compliant data feed;</u>
- B. Increased jurisdiction/system coverage of an existing WZDx-compliant data feed; OR
- C. Addition of optional field(s) to an existing WZDx-compliant data feed

Applicants need to specify one project category in their applications.

Applicants are allowed to submit multiple applications to address multiple project categories; USDOT would then consider applications consistent with the priorities indicated above.

CHALLENGE AREAS

Applicants are asked to identify one or more challenge areas to address in their projects. Applicants may propose a challenge not explicitly described in the NOFO.

- The IOO and/or the entities performing work on their roadways do not produce one or more data elements in the specification, do not produce them at a sufficient level of quality or granularity, and/or do not produce work zone data on all roadways within or across local jurisdictions; (Challenge Area 1)
- The IOO's data generation and acquisition processes (e.g., permitting systems, lane closure management systems) do not exist or rely on manual steps which delay data publication and/or reduce data quality; (Challenge Area 2)
- The IOO's backend data system architecture makes it difficult and/or expensive to share data in different formats for different uses, both within and across an organization. (Challenge Area 3)

MILESTONES AND DELIVERABLES

Category A

Milestone/Deliverable	Timing
Final work plan	Within 1 month of award
Publication of WZDx-compliant feed	Within 12 months of award

Category B

Milestone/Deliverable	Timing
Final work plan	Within 1 month of award
Increased system coverage of an existing WZDx-compliant data feed	Within 12 months of award

Category C

Milestone/Deliverable	Timing
Final work plan	Within 1 month of award
Addition of optional field(s) to an	Within 12 months of award
existing WZDx-compliant data feed	

ELIGIBILITY

Eligible Applicants must be one of the following types of organizations:

- State and local governments
- Tribal governments
- Transit agencies and authorities
- Metropolitan planning organizations
- Other subdivisions of State or local governments (including public port authorities/districts)
- Multi-jurisdictional group* applying through a single lead Applicant (a combination of eligible Applicants comprised of at least two members, each of whom is an eligible Applicant under the terms of this paragraph. One Applicant must be identified as the lead entity to serve as prime awardee in the event an award is made.)

Private companies and private universities are <u>NOT</u> eligible Applicants. However, private companies and private universities may be a sub-recipients or subcontractors.

SUBMISSION REQUIREMENTS & APPLICATION PROCESS

SUBMISSION REQUIREMENTS

FHWA requires submission of the following items:

- A. Narrative and Technical Approach
- B. Management Approach, Staffing, and Capabilities
- C. Work Plan
- D. Budget Detail
- E. Organizational Information

APPLICATION PROCESS

- The NOFO is available on grants.gov (https://www.grants.gov/web/grants/view-opportunity.html?oppId=327731)
- Applications must also be submitted through Grants.gov
- To submit, applicants must:
 - Obtain a Data Universal Numbering System (DUNS) number:
 - Register with the System for Award (SAM) at <u>www.sam.gov</u>.
 - Create a Grants.gov username and password, and
 - E-business POC at the applicant's organization must respond to the registration email from Grants.gov and login to authorize the POC as an Authorized Organization Representative.
- Note: The Grants.gov registration process usually takes 2-4 weeks to complete; late applications that are the result of failure to register or comply with Grants.gov applicant requirements will <u>not</u> be considered.

DATES & REMINDERS

TIMELINE

Milestone	Date
FY20 NOFO Released	June 22, 2020
FY20 Applications Due	August 3, 2020
Awards Processed	September 2020

Questions?

Contact Us:

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