

## Crowdsourcing Challenges and Lessons Interest Form

The ICF Research Team invites you to complete this brief interest form on challenges and lessons your agency experienced in the use of crowdsourced data. The interest form should take no more than 5 minutes to complete.

Your feedback will help our research team develop Federal Highway Administration (FHWA) technical briefs to help agencies avoid pitfalls in making use of crowdsourced data and accelerate the journey to deliver value from crowdsourced data.

As you complete the form, please confirm your interest in having a member of the research team reach out to you to schedule a brief interview so that we may showcase your agency's crowdsourcing successes and lessons in a crowdsourcing technical brief.

For questions regarding this research effort, please reach out to James Colyar (James.Colyar@dot.gov), the FHWA point of contact and the research PI, Vaishali Shah (Vaishali.shah@aemcorp.com).

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### Paperwork Reduction Act Burden Statement

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All responses to this collection of information are voluntary; all individual responses will be kept confidential. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Information Collection Clearance Officer, Department of Transportation, Federal Highway Administration, 1200 New Jersey Ave SE, Washington, D.C. 20590.

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#### 1. Please share your contact information.

Name

First Last

Job Title

Employer/Agency

Email \*

Phone Number

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2. What applications of crowdsourced data has your agency considered?

	Have not considered using crowdsourced data for this application	Considering crowdsourced data use for this application	Using crowdsourced data for this application	Considered and chose not to use crowdsourced data for this application	Not sure if we apply crowdsourced data for this use
Traveler Information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Traffic Incident Management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Road Weather Management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Work Zone Management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Emergency Operations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Arterial Management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Before-After Studies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Safety Studies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other application	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please share what this other application of crowdsourced data your agency has considered.

3. What sources of crowdsourced data has your agency considered?

Note there is an overlap between vehicle probe and connected car data.

Connect car data refers to data that is generated by the various sensors (e.g., tire pressure, windshield wiper, GPS) embedded in the vehicle by the manufacturer, transmitted using cloud services, and processed by the manufacturer and/or a third party. These data may be processed and offered at differing granularity (vehicle movement, intersection, lane or road segment based).

Vehicle probe data providers had initially used cellular/GPS device-based data to deliver speed and travel time information by roadway segment. Some vehicle probe providers now blend vehicle probe and connected car data to offer volume, origin-destination, and other information.

	Have not considered	Considering its use	Using this data source	Considered and chose not to use this data source	Not sure about our use of this data
Navigational applications (e.g., Waze® for Cities)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Connected car (e.g., Compass IOT®)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vehicle probe (e.g., INRIX®, HERE®, TomTom®)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
511 or 311 applications (Civic Plus® SeeClickFix®, State 511 app)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Multimodal data (e.g., Lime®)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please share what this other crowdsourced data you considered, used, or chose not to use.

#### 4. Challenges and lessons in using crowdsourced data.

Please check all that apply related to challenges in making use of crowdsourced data.

##### a. Procurement Challenges

- |  |   |
|--|---|
| <input type="checkbox"/> Did not face challenges | <input type="checkbox"/> Faced / working through it |
| <input type="checkbox"/> Overcame this challenge | <input type="checkbox"/> Lessons to Share           |

##### b. Data Quality Challenges

- |  |   |
|--|---|
| <input type="checkbox"/> Did not face challenges | <input type="checkbox"/> Faced / working through it |
| <input type="checkbox"/> Overcame this challenge | <input type="checkbox"/> Lessons to Share           |

##### c. Staff Training Challenges

- |  |   |
|--|---|
| <input type="checkbox"/> Did not face challenges | <input type="checkbox"/> Faced / working through it |
| <input type="checkbox"/> Overcame this challenge | <input type="checkbox"/> Lessons to Share           |

##### d. Cost Justification Challenges

- |  |   |
|--|---|
| <input type="checkbox"/> Did not face challenges | <input type="checkbox"/> Faced / working through it |
| <input type="checkbox"/> Overcame this challenge | <input type="checkbox"/> Lessons to Share           |

##### e. Other challenges (please describe below)

- |  |   |
|--|---|
| <input type="checkbox"/> Did not face challenges | <input type="checkbox"/> Faced / working through it |
| <input type="checkbox"/> Overcame this challenge | <input type="checkbox"/> Lessons to Share           |

Please describe any other challenges and lessons in making use of crowdsourced data.

5. If your agency has any documents to share with the research team regarding good practices or lessons on the use of crowdsourced data, please upload them here (up to 10 MB).

No file chosen

6. May we contact you for an interview regarding your above responses?

- ☒ Yes
- ☐ No