

# Crowdsourcing Data for Commercial Vehicle Operations

## Crowdsourcing for Advancing Operations

*an FHWA Every Day Counts Round 6 (EDC-6) Innovation*

*May 19, 2022, 1:00 p.m. – 2:30 p.m. EDT*



U.S. Department of Transportation  
**Federal Highway Administration**



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# Webinar Agenda

- 1:00 p.m.** FHWA Crowdsourcing Updates
- 1:10 p.m.** Commercial Vehicle Operations in Colorado
- 1:35 p.m.** Commercial Vehicle Crowdsourcing Applications in New Jersey
- 2:00 p.m.** Question and Answer



Source: Unsplash/Caleb Ruiter

# Today's Host and Presenters



**James Colyar**, Webinar Host  
FHWA Office of Operations



**Craig Hurst**  
Colorado Department of  
Transportation (DOT)



**Sal Cowan**  
New Jersey DOT



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# What is Every Day Counts?

State- and local-based model that identifies and rapidly deploys proven, yet underutilized innovations to:



Shorten Project Delivery



Enhance Roadway Safety



Reduce Traffic Congestion



Integrate Automation



# Why Crowdsourcing for Operations?

✓ Improve Operations



Source: FHWA

✓ Increase Safety and Reliability



Source: FHWA

✓ Save Cost



Source: Pixabay

### Traffic Incident Management



### Traffic Studies



### Road Weather Management



### Traveler Information



### Performance Management



### Arterial Management





## Freeway Management



## Work Zone Management



## Road/ITS Maintenance



## Project Prioritization



## Emergency Management



## Other Applications?





# FHWA EDC-6 Crowdsourcing Updates

## Crowdsourcing Webinars

- **Analytics Tools leveraging Crowdsourced Data**  
June 29, 2022, 1:00–2:30 p.m.
- **Work Zone Data**  
July 20, 2022, 1:00-2:30 p.m.
- **Data for Arterial Operations**  
August 17, 2022, 1:00-2:30 p.m.

All times EDT

Register at [TransportationOps.com](https://TransportationOps.com)

# Questions for our Presenters



**Craig Hurst**  
Colorado Department of  
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**Sal Cowan**  
New Jersey DOT



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# Tell Us How to Improve this **Adventures in Crowdsourcing** webinar series

Please answer the four  
simultaneous poll  
questions.



# Poll Questions 1 - 4

1. What topics would you like to see in upcoming Adventures in Crowdsourcing webinars?

2. Does your program wish to share / present during an upcoming webinar? If yes, please enter your email.

3. How likely are you to recommend this webinar series to a friend or colleague?

0 = not at all likely  
10 = extremely likely

4. How informative/useful were the presentations today?

1 = not informative  
5 = very informative



# EDC Crowdsourcing Resources

- [Website](#) – factsheets, sample applications, frequently asked questions
- [Adventures in Crowdsourcing](#) webinar series
- [Subscribe to Crowdsourcing e-News](#)

## Center for Accelerating Innovation

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Traffic Incident



Traffic Operation Center



Real-time Driver Data

### Crowdsourcing for Advancing Operations

Crowdsourced data from multiple streams can be integrated and used in real time for improved operations.

State and local transportation systems management and operations (TSMO) programs strive to optimize the use of existing roadway facilities through traveler information, incident management, road weather management, arterial management, and other strategies targeting the causes of congestion. TSMO programs require real-time, high-quality, and wide-ranging roadway information. However, gaps in geographic coverage, laps in information timeliness, and life-cycle costs for field equipment can limit agencies' ability to operate the system proactively.

Public agencies at all levels are increasing both their situational awareness and the quality and quantity of operations data using crowdsourcing, which enables staff to apply proactive strategies cost effectively and make better decisions that lead to safer and more reliable travel while protecting privacy and security of individual user data.

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Source: FHWA

# Thank you

Questions / Comments Please?

***FHWA EDC-6  
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