

# WORK ZONE MANAGEMENT PROGRAM

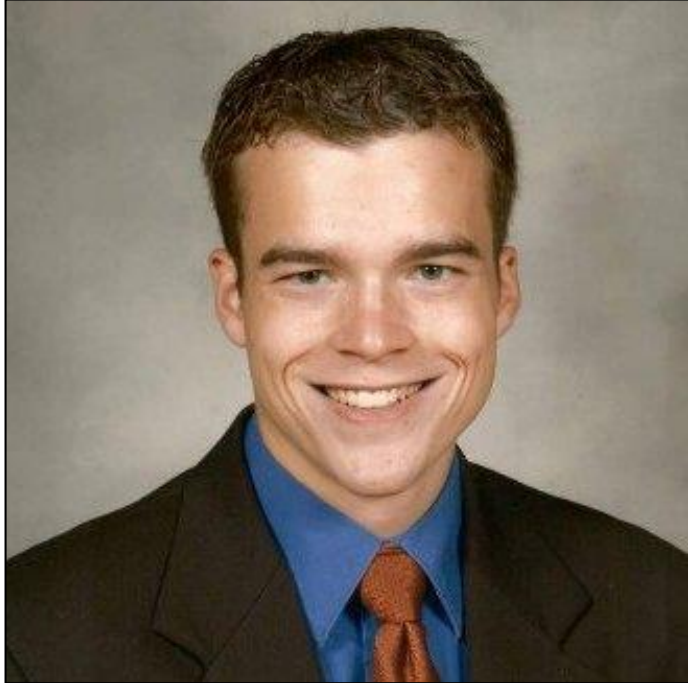
## Session 2: The Fundamentals of Work Zone Activity Data

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



**Jeremy Schroeder, Ph.D., P.E.**

Senior Transportation Engineer,  
Athey Creek Consultants

# Topics

- Defining Work Zone Activity Data (WZAD)
- WZAD and Transportation Systems Management and Operations (TSMO)
- WZAD and Work Zone Life Cycle Stages
- WZAD Use Categories
- User Groups

# What is WZAD?

Digital data on when, where,  
and how work zones are  
deployed

# What WZAD is and is Not...

## WZAD Is...

- Identification attributes
- Location attributes
- Time attributes
- Impact attributes

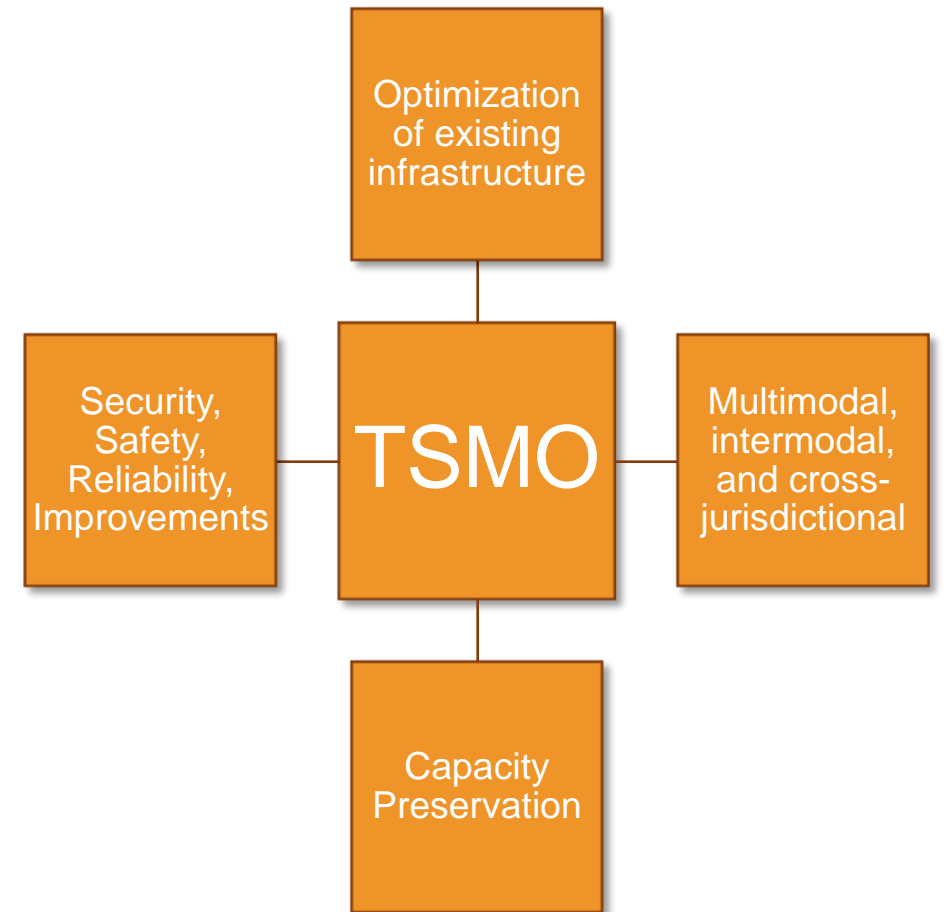
## WZAD Is Not...

- Design documents
- Procurement documents
- Crash or other safety data
- Traffic and speed data
- Law enforcement data

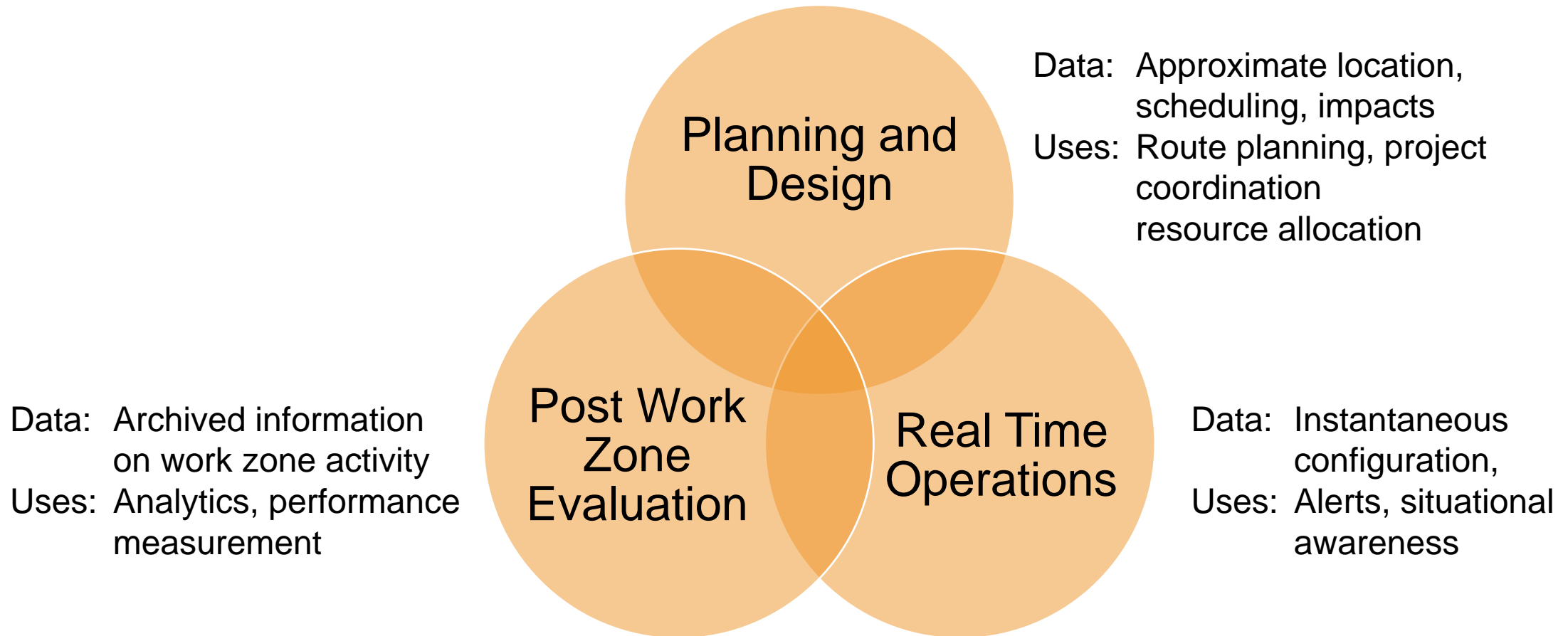
**WZAD is not inclusive of all work zone data**

# WZAD and TSMO

- Common space and dedicated resources for collecting, sharing, and using WZAD
- Integration and efficiency throughout work zone life cycle
- Common agency WZAD goal



# WZAD Over the WZ Life Cycle



# Use Categories of WZAD





# Use Categories of WZAD

## WZ Planning and Project Coordination

- Planned work on a route, corridor, or network
- Used to reduce collective effects on traveling public
- Strategic sequencing of multiple work zones
- Day-to-day activities of multiple work zones

## WZ Impact Analyses

- Estimate safety and mobility impacts for planned activities
- Determine appropriate mitigation strategies

# Use Categories of WZAD

## Construction and Maintenance Contract Monitoring

- Track compliance with specifications and policies

## Real Time System Mgmt. and Traveler Info Provision

- Real-time system management
- Consumable by 3rd party information providers, travelers, and freight haulers

# Use Categories of WZAD

## Safety and Mobility Performance Measurement

- Determine actual safety and mobility effects
- Determine effect of specific work zone polices, design features, and mitigation strategies
- Defines where and when exposure, mobility, and safety data should be extracted

## Law Enforcement and Emergency Service Providers

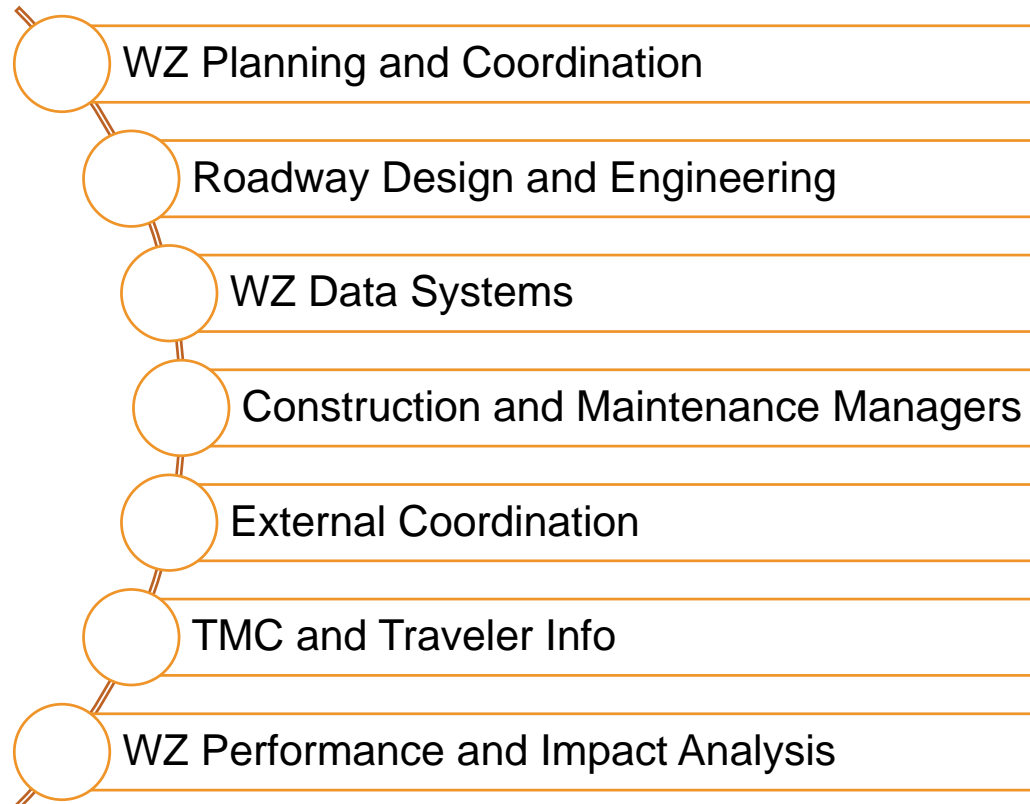
- Collaborate with law enforcement
- Provide documentation support

## CAV Hardware Needs and System Readiness

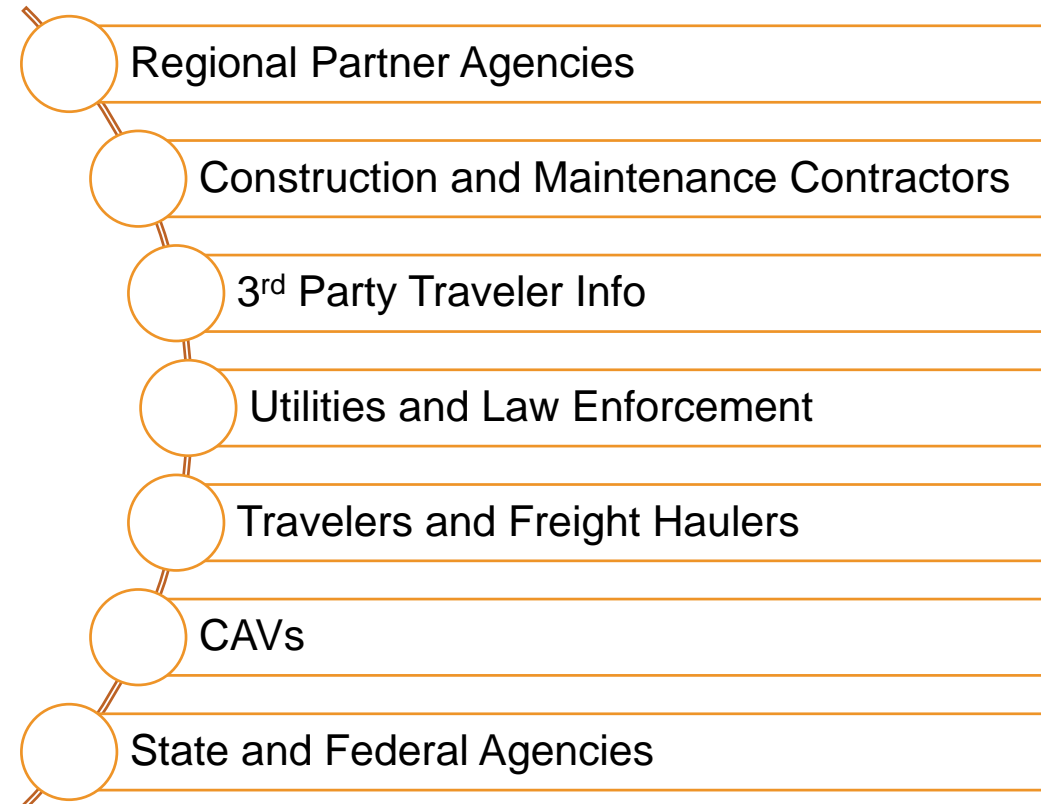
- Inform CAV of the presence of work zones

# WZAD User Groups

## Internal Agency Stakeholders



## External Stakeholders



# Q&A

