WORK ZONE MANAGEMENT PROGRAM

Session 5: Listening to the Users

September 11, 2018
Work Zone Activity Data (WZAD)

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

1. Work Zone Planning and Project Coordination
2. Work Zone Impact Analyses
3. Construction and Maintenance Contract Monitoring
4. Real-time System Management and Traveler Information Provision
5. Safety and Mobility Performance Measurement
6. Law Enforcement and Emergency Service Providers
7. CAV Hardware Needs and System Readiness
Overall WZAD Conceptual Architecture

Plan/Design WZAD

WZAD Planning Updates

Actual Operational WZAD

Work Zone Data Systems (WZDS)

Utilities WZ Schedule Planning Tools/Staff

Regional WZ Schedule Planning Tools/Staff

Agency WZ Planning & Design Tools/Staff

WZ Schedule Planning Tools/Staff

Traffic Delay Data and Other Resources

Traffic Impact/Performance Analysis Tools/Staff

Crash Impact/Performance Analysis Tools/Staff

Agency WZ Operations Tools/Staff

Contractor WZ Operations Tools/Staff

Construction/Maint/Utilities WZ Coord Tools/Staff

Law Enforcement Coord. Tools/Staff

Utilities Other Resources

Regional Other Resources

Agency Planning & Design Other Resources

Agency Traffic & Impact Other Resources

Traffic Impact/Performance Analysis Tools/Staff

Law Enforcement Impact/Performance Analysis

State and Federal Impact/Perf Analysis

LE Other Resources

National Other Resources

Travelers

3rd Party Traveler Information

MC/ATMS/RCRS/ITS Info Integration and Output

Agency Traveler Information Output Systems

Smart Work Zone Automated I/O

Agency Inter to Conn & Autonomous Vehicles

Agency WZ Operations

Contractor WZ Operations

Construction/Maint/Utilities WZ Coord

Law Enforcement Coord.
WZDx Example

Active Operational WZAD

Work Zone Data Systems (WZDS)

- Plan/Design WZAD Planning Updates
- WZAD Planning Updates

- Agency WZ Planning & Design Tools/Staff

- Agency WZ Operations Tools/Staff

- Active Operational WZAD

- Agency Traveler Information Output Systems

- 3rd Party Traveler Information

Agency Planning & Design Other Resources

Agency WZ Planning & Design Other Resources
WZAD & WZDS
Example: VDOT VCC
Now it’s Your Turn

• What are you doing now with work zone data?
• What do you want to do with WZAD in the future?

*What could you do with standardized WZAD that you can’t do today?*
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