Delaware Department of Transportation

Smart Work Zone - Lane Closure Management
Planning Least-Impactful Work Zone Projects
Lane Closure Management - Traffic Data

- Pull traffic data from the Electronic Operations for the impacted corridor.

- Establish lane closure hours within the contract based on historical data.

- Include Special Event information that will be affected by the proposed project.

- Coordination is made when multiple projects will affect a similar corridor.
DelDOT - Smart Work Zone Technology (Today)

• Generic work zone messaging.
• Remote messaging access
• Not tied to a queue detection system.
• Contractor owns and maintains all equipment.
DelDOT - Smart Work Zone Technology (Tomorrow)

- Working on an Intelligent Transportation System (ITS) based Temporary Queue Detection System (QDS)
- Remote access from the DelDOT Transportation Management Center (TMC).
- Portable non-intrusive traffic data collection devices (Bluetooth reader).
- Network-based software management system for data storage and message display decision logic.
- Ability to display generic messages or actual travel times through the work zone.
DeIDOT - Smart Work Zone Future Deployment

- I-95 Viaduct Project through the City of Wilmington
- SR 24 near the Delaware Beaches.
DelDOT - Smart Work Zone Challenges

- State vs. Contractor Purchase/Mobilize/Maintain.
- Funding.
- Linking the new Smart Work Zone technology into our current resources (WTMC, Facebook, Twitter, DelDOT App, permanent message boards).
- Available IP Address numbers.