Smart Delaware

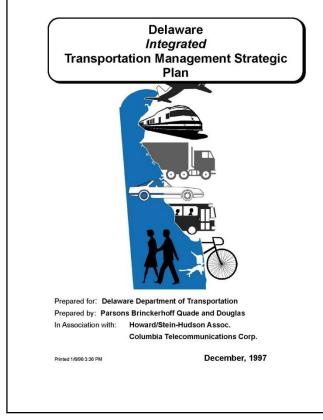
Delaware's Integrated Transportation Management System

Gene Donaldson, DelDOT



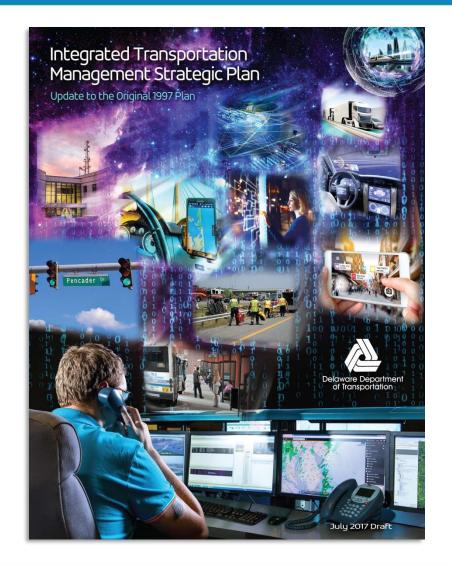
Integrated Transportation Management Strategic Plan (1997)

- Required a foundation for a shared mission and vision between all of Delaware's Transportation Management System stakeholders.
- The plan defined Delaware's Transportation Management:
 - Mission
 - Vision
 - Goals
 - Strategies for Implementation
- Defined a Statewide Transportation
 Management Program managed from a central transportation management center (TMC).



DelDOT ITMS Strategic Plan

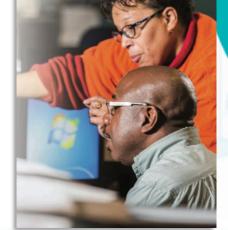
- 2017 update to the ITMS Strategic plan
- Addresses Connected and Autonomous Vehicles



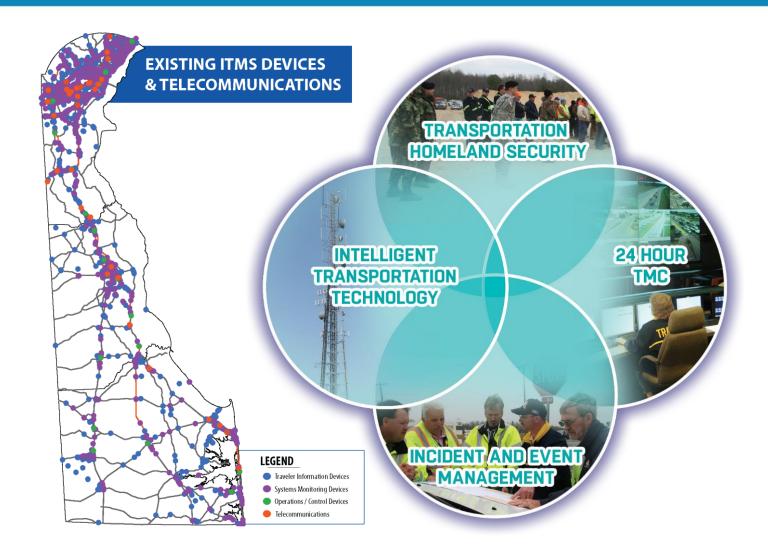
How is DelDOT Unique?

- Owns 90% + of roads
- Owns most traffic signals
- Operates the transit system
- Operates the tolls
- · Truly multimodal
- Integration of planning and operations



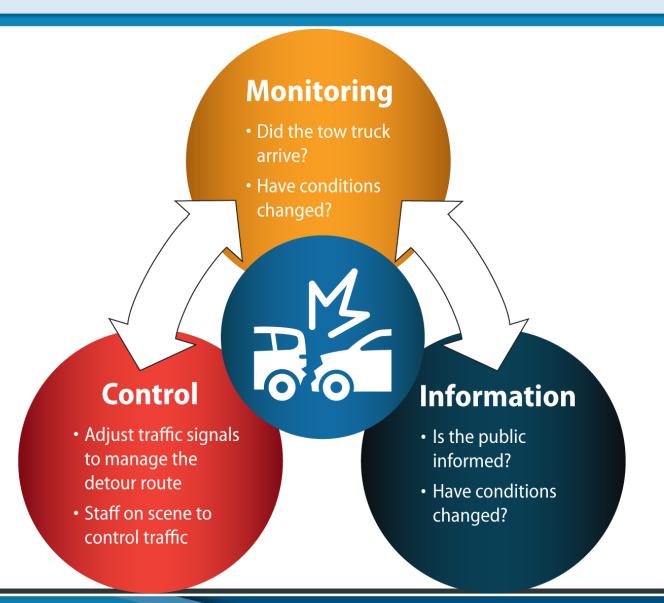


Integrated Transportation Management System



5

Three Critical Functions of ITMS



Integration of Operations and Planning







Smart Delaware: The Next Phase of ITMS

- A constant data-exchange between all modes
- Efficient transportation management decisions
- Reduced accidents, less congestion, reduced energy consumption, fewer emissions and improved travel times
- Enhanced mobility for all



USDOT Smart City Expected Outcomes:

improve safety * enhance mobility * enhance ladders of opportunity * address climate change

What Can We Leverage?

- Existing Telecommunications Network
- Existing Delaware Transit
 Corporation Integration
- Existing Traffic Signal and ITS Device Integration into TMC
- Mobile App







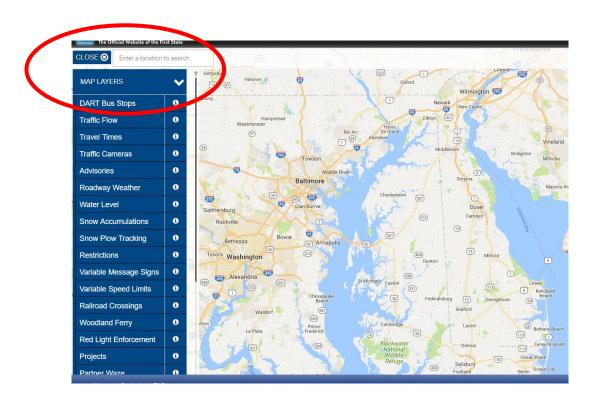
ITMS Interactive Map

www.deldot.gov



www.deldot.gov/map

Map Layers

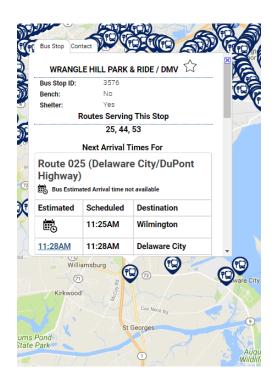


WTMC, Favorites



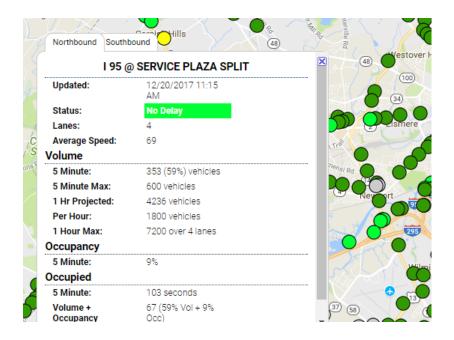
DART Bus Stops



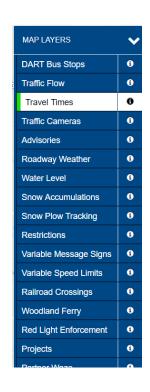


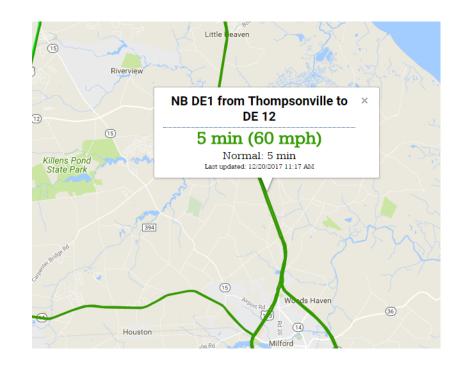
Traffic Flow





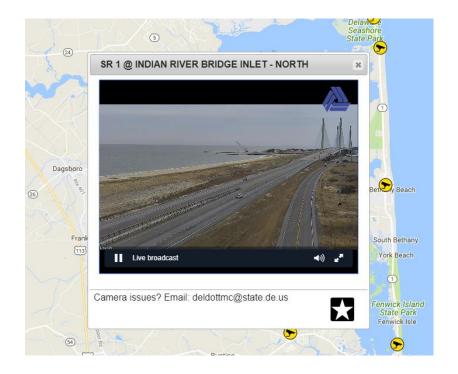
Travel Times





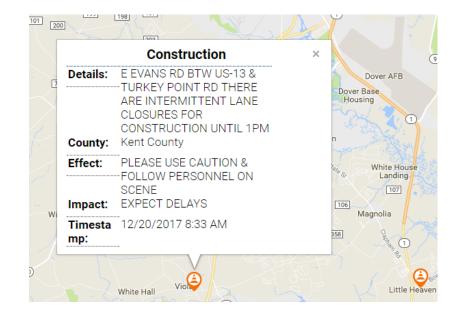
Traffic Cameras



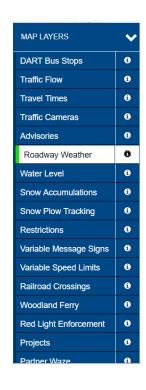


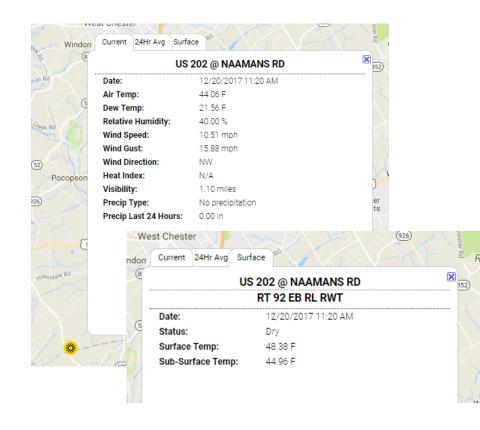
Advisories



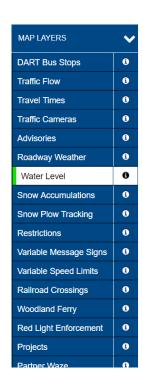


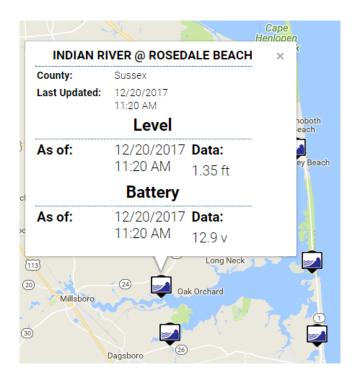
Roadway Weather



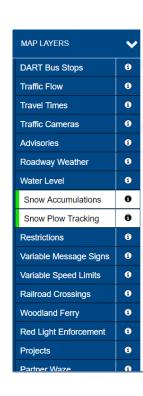


Water Level

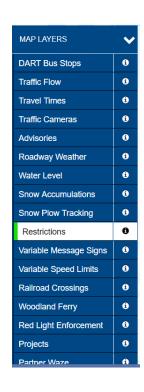


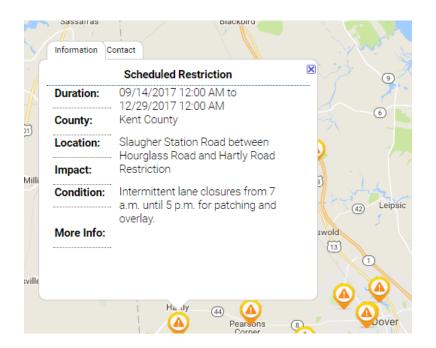


Snow Accumulation and Snow Plow Tracking

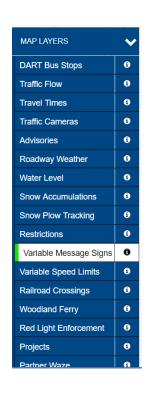


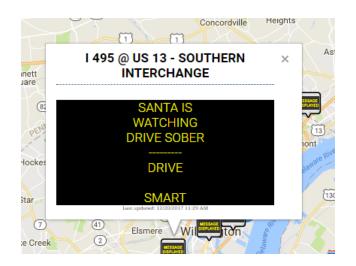
Restrictions



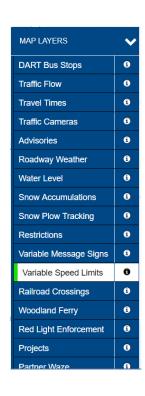


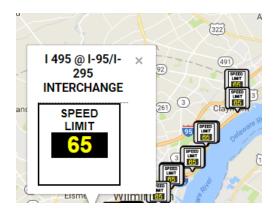
Variable Message Signs



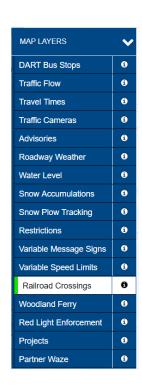


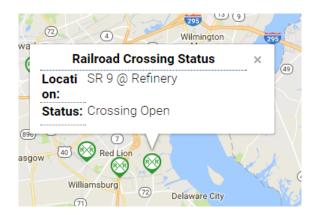
Variable Speed Limits





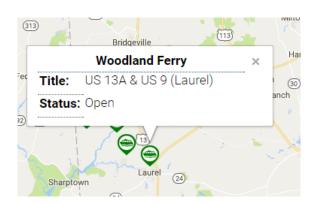
Railroad Crossings





Woodland Ferry





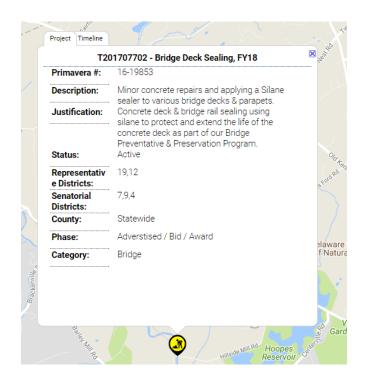
Red Light Enforcement





Projects





Partner Waze



