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
Three Critical Functions of ITMS

Monitoring
- Did the tow truck arrive?
- Have conditions changed?

Control
- Adjust traffic signals to manage the detour route
- Staff on scene to control traffic

Information
- Is the public informed?
- Have conditions changed?
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

[Icons for App Store and Google Play]
www.deldot.gov/map
Map Layers
WTMC, Favorites
Traffic Flow

MAP LAYERS

- DART Bus Stops
- Traffic Flow
- Travel Times
- Traffic Cameras
- Advisories
- Roadway Weather
- Water Level
- Snow Accumulations
- Snow Plow Tracking
- Restrictions
- Variable Message Signs
- Variable Speed Limits
- Railroad Crossings
- Woodland Ferry
- Red Light Enforcement
- Projects
- Parking Lots

I-95 @ SERVICE PLAZA SPLIT

Updated: 12/20/2017 11:15 AM
Status: No Delay

Lanes: 4
Average Speed: 69

Volume
5 Minute: 333 (55%) vehicles
5 Minute Max: 600 vehicles
1 Hour Projected: 4236 vehicles
Per Hour: 1800 vehicles
1 Hour Max: 7200 over 4 lanes

Occupancy
5 Minute: 9%

Occupied
5 Minute: 103 seconds
Volume: 67 (59% Vol = 9%
Occupancy: 0%
Travel Times

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- VariableSpeedLimits
- RailroadCrossings
- WoodlandFerry
- RedLightEnforcement
- Projects
- PosterWave

NB DE1 from Thompsonville to DE 12
5 min (60 mph)
Normal: 5 min
Last updated: 2020/01/11 11:17 AM

Kilens Pond State Park
Little Heaven
Riverside
Houston
Woods Haven
Milford
Traffic Cameras
Roadway Weather
Water Level

MAP LAYERS

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- Variable Speed Limits
- Railroad Crossings
- Woodland Ferry
- Red Light Enforcement
- Projects
- Partner Works

INDIAN RIVER @ ROSEDALE BEACH

County: Sussex
Last Updated: 12/20/2017 11:20 AM

Level
As of: 12/20/2017 11:20 AM
1.35 ft

Battery
As of: 12/20/2017 11:20 AM
12.9 V
Snow Accumulation and Snow Plow Tracking
Restrictions

Scheduled Restriction

- **Duration:** 09/14/2017 12:00 AM to 12/29/2017 12:00 AM
- **County:** Kent County
- **Location:** Slaughter Station Road between Hourglass Road and Hartly Road
- **Impact:** Restriction
- **Condition:** Intermittent lane closures from 7 a.m. until 5 p.m. for patching and overlay.

More Info:
Variable Message Signs

MAP LAYERS
- DART Bus Stops
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- Traffic Cameras
- Advisories
- Roadway Weather
- Water Level
- Snow Accumulations
- Snow Plow Tracking
- Restrictions
- Variable Message Signs
- Variable Speed Limits
- Railroad Crossings
- Woodland Ferry
- Red Light Enforcement
- Projects
- Partner Way

I 495 @ US 13 - SOUTHERN INTERCHANGE

SANTA IS WATCHING
DRIVE SOBER

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DRIVE

SMART
Variable Speed Limits
Woodland Ferry

Title: US 13A & US 9 (Laurel)
Status: Open
Red Light Enforcement
Projects

MAP LAYERS
- DART Bus Stops
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- Red Light Enforcement
- Projects
- Partner Waze

Project: T201707702 - Bridge Deck Sealing, FY18
- Primavera #: 16-19853
- Description: Minor concrete repairs and applying a Silane sealer to various bridge decks & parapets.
- Justification: Concrete deck & bridge rail sealing using Silane to protect and extend the life of the concrete deck as part of our Bridge Preventative & Preservation Program.
- Status: Active
- Representative Districts: 19, 12
- Senatorial Districts: 7, 9, 4
- County: Statewide
- Phase: Advertised / Bid / Award
- Category: Bridge
Partner Waze