

CIA TEAM

MOBILITY & OPS

NJDOT – Wayne Patterson

FHWA – Ek Phomsavath

ICONE/waze

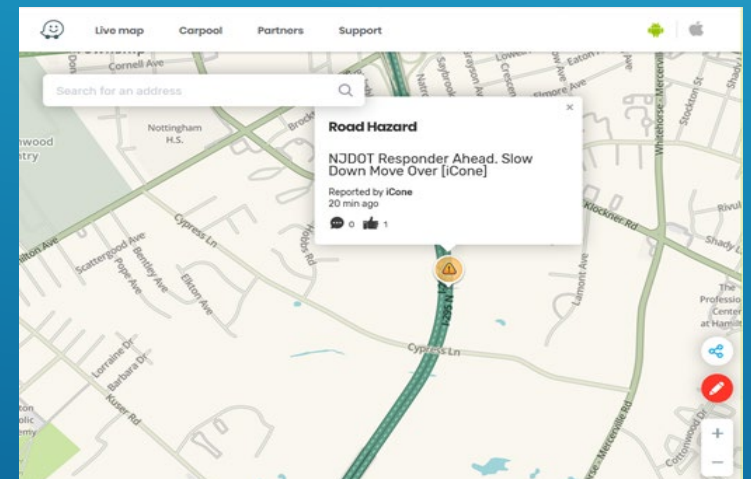
- NJDOT purchased 32 icone connected vehicle devices.
- Total cost - \$31,680 that includes devices and wireless cellular communication package for 3 years
- Installation commenced in september of 2018.
- On 9/8/2018, 11 ssp north vehicles equipped with icone devices
- On 9/3/2018, 21 SSP south vehicles equipped with icone devices

ICONE/Waze-Demonstration

Testing continues with NJDOT and Contractors.

Assessing the performance of current units and awaiting delivery and install of new/next generation units with anticipation of increased reliability.

Nearing the end of current contract and warranty of installed equipment in December 2019.



EDC5 Initiatives Assigned:

Weather-Responsive Management Strategies

Goals:

- Maximize the use of mobile road weather data to support NJDOT in implementing traffic and maintenance operations strategies during inclement weather.
- Improve safety, mobility, and minimize environmental impacts of weather on the transportation system.



Initiatives:

- FHWA Accelerated Innovation Deployment (AID) grant (\$322,462): NJDOT was awarded the AID grant (\$322,462) to install video camera dashboards and sensors onto NJDOT maintenance trucks and safety service patrol vehicles to collect streaming video and weather / pavement information to support road weather management throughout the state. We (Sue Catlett) are currently in the process of putting together the federal authorization package (i.e. project implementation schedule with cost breakdown) for submission to FHWA for funding.
- On Wednesday, April 24th, NJDOT participated in FHWA's Road Weather Management Capability Maturity Framework program. With help from the NJ Division Office and FHWA DC Headquarters Roemer Alfeloro (Transportation Specialist for Road Weather Management), nearly 40 DOT employees and our weather vendor DTN discussed our current weather management strategies.

WEATHER-RESPONSIVE MANAGEMENT STRATEGIES

October 2019

We have authorized the project and signed the contract with the consultant.

We are gathering specific information and will be deploying equipped vehicles hopefully by the end of this year.

Currently identifying champions to progress our road weather program.



EDC5 Initiative-Institutionalized

Use of Crowdsourcing to Advance Operations

Goals:

- Expands and improves real-time monitoring
- Enables more targeted and timely response
- Enables strategic / programmatic operational improvements

Initiatives:

Status of using crowdsource operations data in New Jersey:

- NJDOT is not participating in the use of crowdsourcing to advance traffic operations. We're institutionalized.
- Waze has been sharing traffic and incident report data with NJDOT by way of TRANSCOM. NJDOT TOC operators are using it for their incident detection and situational awareness when monitoring and verifying traffic conditions. We use INRIX Data for travel times.
- On Tuesday, April 30th, Leadership from NJDOT met with the NJ Partnership Coordinators from Waze to discuss their "Waze Beacon" product. We are reviewing the Waze agreement, hoping to have something in place by 2020. We are also working on a final report to submit to FHWA as part of the federal project closeout.

