NJDOT Safety Service Patrol – iCone Technology

OVERVIEW OF INNOVATION

In September 2018, New Jersey began a pilot study of the effectiveness of using connected vehicle technology to alert the motoring public to the presence of safety service patrol (SSP) workers at incident sites. With the support of a STIC Incentive Funding grant awarded by FHWA, NJDOT piloted the use of Beacon Hazard Lights technology on 32 safety service vehicles to alert drivers to the presence of workers via the mobile navigation app Waze.

The equipment, which is produced by iCone, uses GPS location and wireless communication technology to transmit the location of the SSP vehicles to the iCone Data Server in the cloud where it can be picked up by Waze.

The researchers believe that this technology evaluation pilot project was the first of any state DOT to seek to inform the public of SSP patrol vehicle locations with the sole objective of increasing safety.

Source: NJDOT

BENEFITS

Improves safety by reducing the risk of injury for road side workers.

The technology appears to be comparatively low-cost and effective in reaching the traveling public through available traffic flow applications.

FIND OUT MORE . . .

Connected Vehicle: Road Service Safety Messages Final Report: https://www.njdottechtransfer.net/wp-content/uploads/2020/02/Connected_Vehicle_Road_Service_Safety_Messages_Final_Report.pdf

Crowdsourcing for Operations: Innovative Initiative: https://www.njdottechtransfer.net/crowdsourcing/

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