

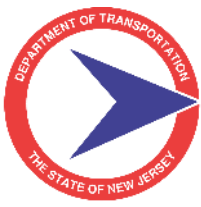
Feature
Presentation

**NJ Commercial
Vehicle Alerts**

Sal Cowan, NJDOT

Amy Lopez, INRIX

Marc Nichols, Drivewyze



Presenters



Drivewyze[®]

INRIX



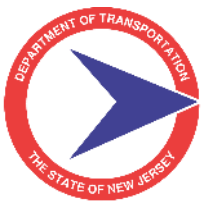
Sal Cowan, Senior
Director – Mobility



Marc Nichols, Director,
Government & Industry
Partnerships



Amy Lopez, Director of
Public Sector Services
and Smart City Strategy



Who Are We Working With?

The logo for Drivewyze, featuring the word "Drivewyze" in a blue sans-serif font with a registered trademark symbol (®) to the upper right of the "e".

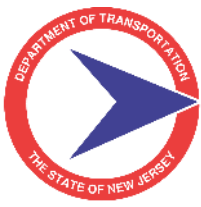
Drivewyze®

Provider of North America's largest weigh station bypass system (Drivewyze PreClear)

The logo for INRIX, featuring the word "INRIX" in a bold, blue, serif font with a registered trademark symbol (®) to the upper right of the "X".

INRIX®

Provider of real time traffic data and analytics to state agencies, cities and transportation authorities worldwide



Which Agencies Are Involved?





What Roads Are Covered?

Northern New Jersey Commercial Vehicle Alert Sections			
Route	Begin Milepost	End Milepost	Total Miles
1-78	0	58.5	58.5
I-80	0	68.5	68.5
I-280	0	17.85	17.85
I-287	0	67.54	67.54
NJ 440	0	5.15	5.15
Total			217.54

Southern New Jersey Commercial Vehicle Alert Sections			
Route	Begin Milepost	End Milepost	Total Miles
I-195	0	34.2	34.2
I-295	0	76.56	76.56
I-76	0	3.08	3.08
I-676	0	4.75	4.75
NJ 42	6.2	14.3	8.1
Total			126.69

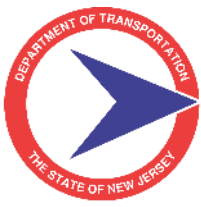
New Jersey Turnpike			
Route	Begin Milepost	End Milepost	Total Miles
PHMTE			6.6
NBHCE			8.4
Mainline			118
Western Spur			10.5
I-95 Extension			5
Total			148.5

Garden State Parkway			
Route	Begin Milepost	End Milepost	Total Miles
	0	106	106
Total			106

Atlantic City Expressway			
Route	Begin Milepost	End Milepost	Total Miles
	0		48
Total			48

Total Centerline Miles
(all three agencies)

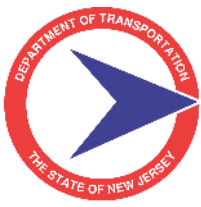
647



What Are We Doing?



- Provide commercial drivers with real-time slowdown and congestion alerts.
- Help commercial drivers react before encountering stopped traffic or slowdowns



How Is It Done?

Road Closures



Hazard/Crash - Moderate Impact	
ID	160415533
Description	Left lane blocked due to crash on Garden State Pkwy Southbound at I-195.
Where	Southbound Garden State Pkwy at undefined I-195
Status	active
When	02/22/2022 7:02 am - 02/22/2022 10:16 am
API RESPONSE	

Congestion/Queues



Description	Severe delays of ten minutes and delays increasing on I-90 Westbound in West Brimfield. Average speed 15 mph.
Where	Westbound I-90 between I-90 Exit 9 / I-84 and I-90
Status	active
When	2020-06-01 2:06 pm - 2020-06-01 5:08 pm
Length	3.70 Miles
Delay from Normal	10.00 minutes

Sudden Slowdowns



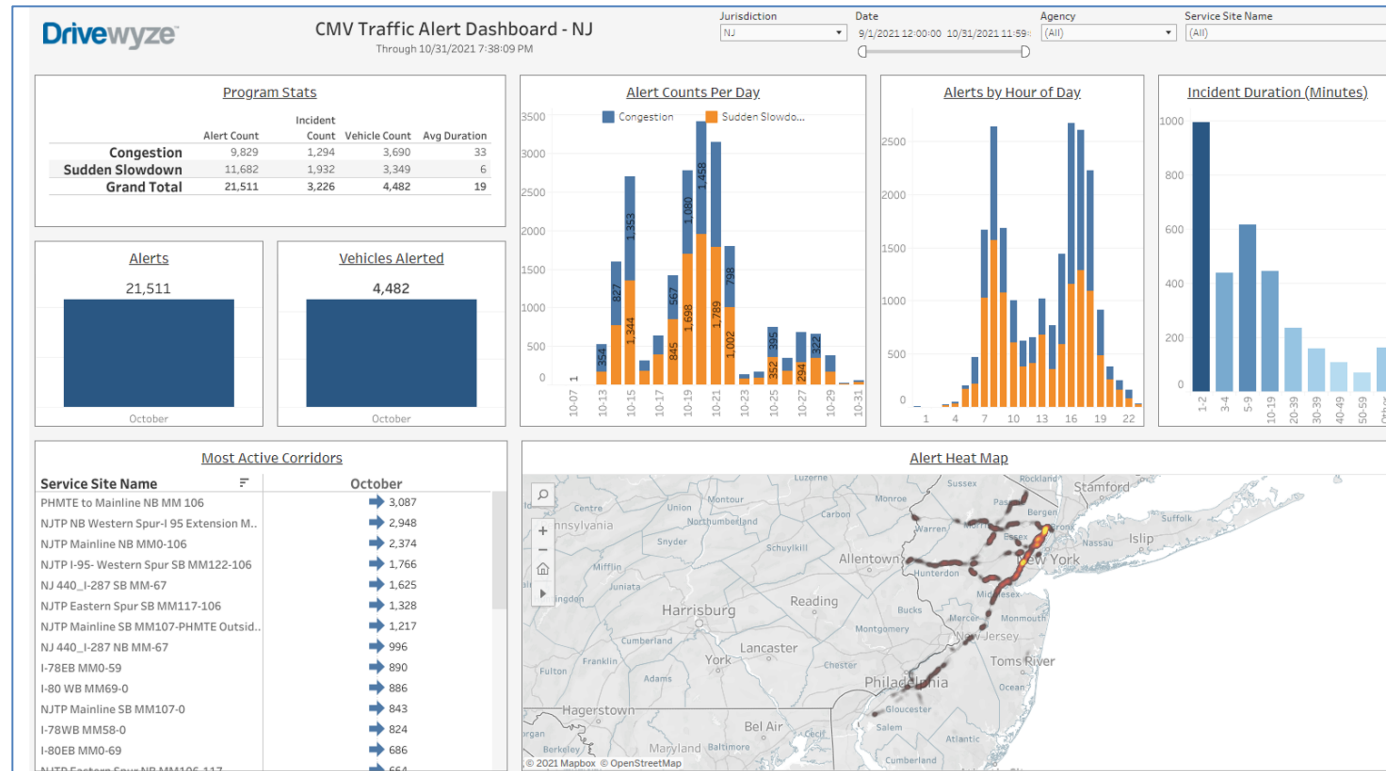
Dangerous Slowdown	
ID	11120561 1282829538
Where	GARDEN STATE PKWY
Severity	Moderate Impact
Delta	41 mph
Speed At	17 mph
Start	02/22/2022 9:41 am
API RESPONSE	

- INRIX Traffic Intelligence -- Real-time monitoring of nationwide road network
- Detects and characterizes closures, queues, and slowdowns
- Updates every 60-seconds - includes location and severity

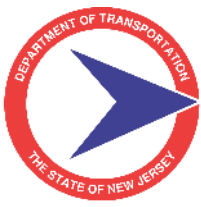


Drivewyze Commercial Vehicle Alerts

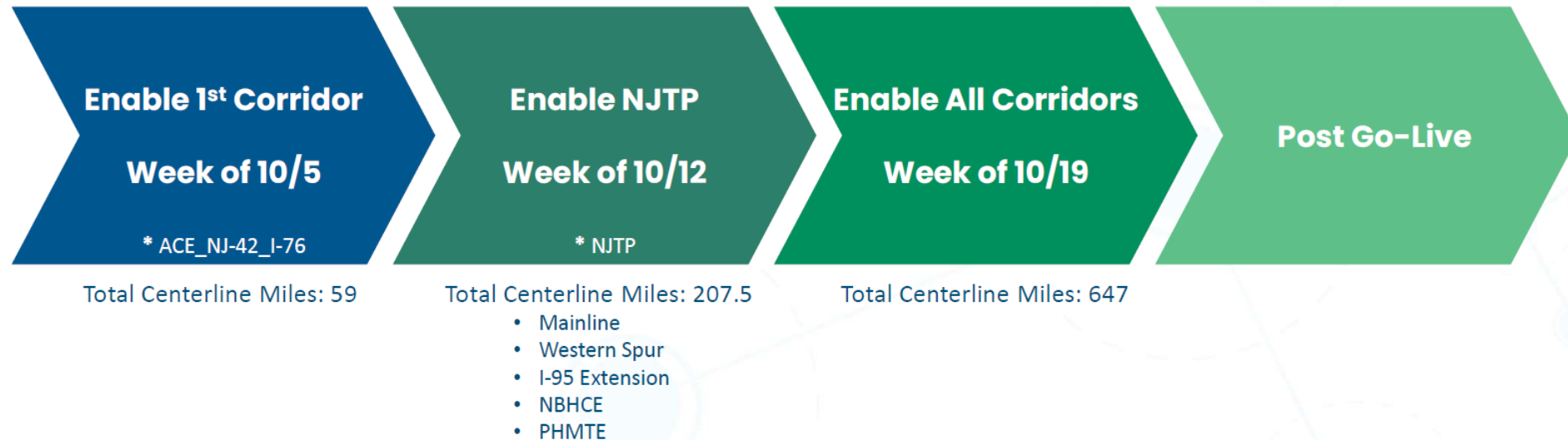
What Are We Getting?

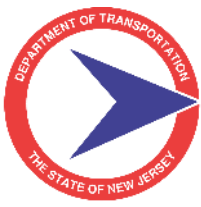


Web-based dashboard showing # of alerts and vehicles alerted in NJ



Deployment Timeline





Short-Term Next Steps

- Provide app to agency field staff for use and evaluation
- Analyze alerts compared to TMC data

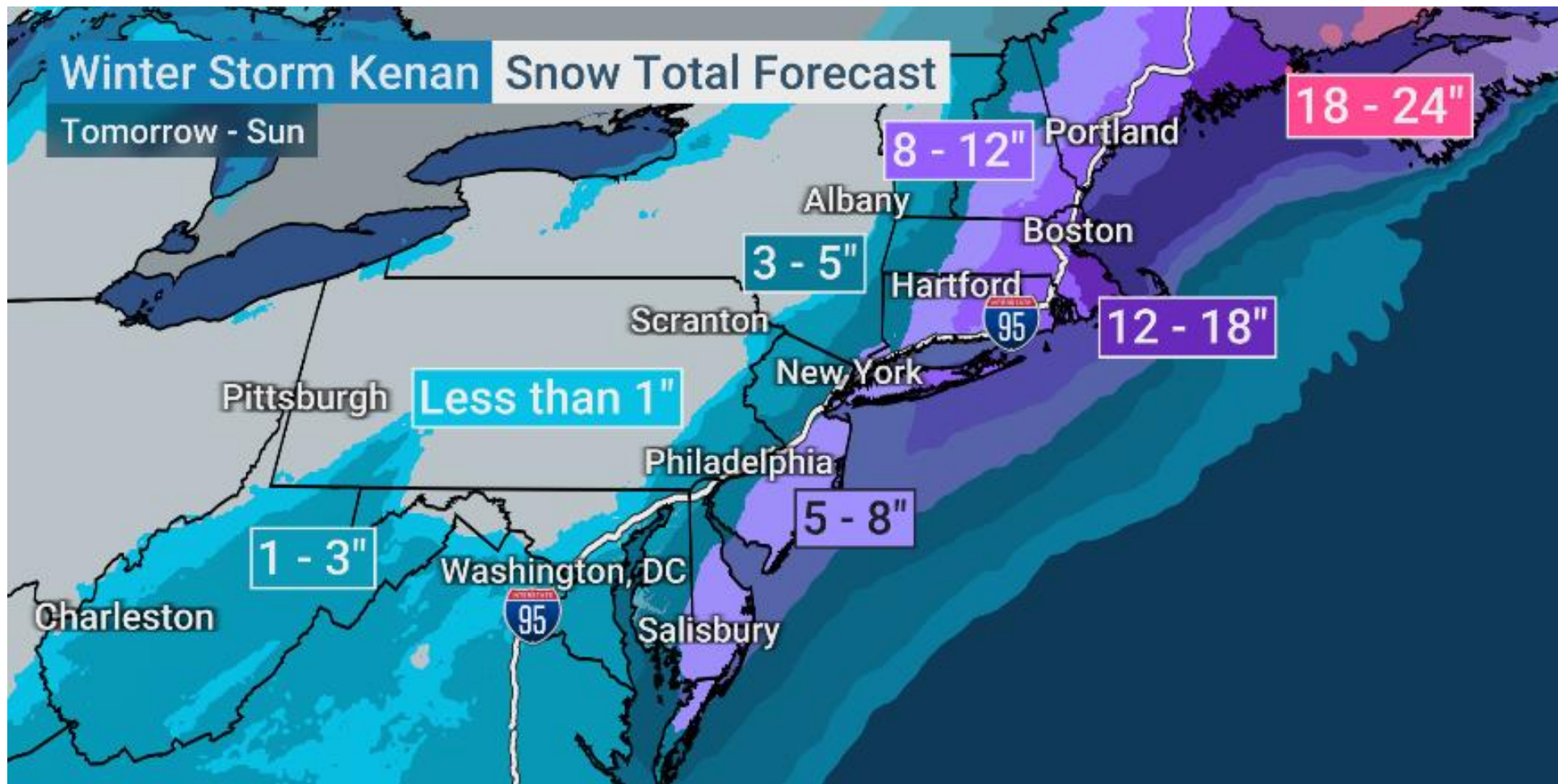
Long-Term Next Steps

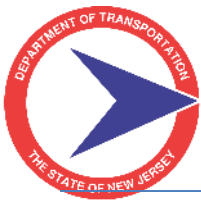
- Reviewing over 300,000 datapoints from SLD and TAMS
- Determine static signage (rollover, low bridge, etc) to send in-cab





Winter Storm Kenan





Request from NJDOT to Alert the Northeast

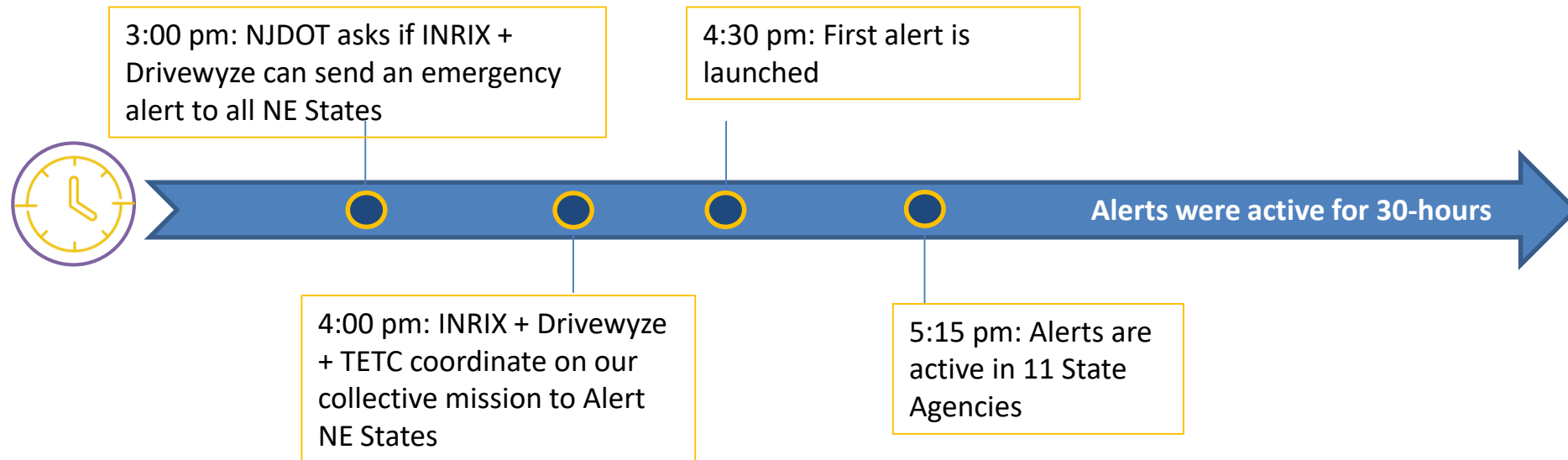
Q - Can INRIX + Drivewyze provide alerts for Truck Restrictions due to the upcoming storm?

A - Yes!

Q – Can you alert the entire Northeast (even though only NJDOT has the service)??

A – Yes – we did!!!....we did because of the NJ request and the concern for the NE states...

It didn't take long to get things movin!





“Major Winter Storm Alert”



- 11 states activated 2 ¼ hours after initial request
- 10 states that do NOT subscribe CMV Alerts

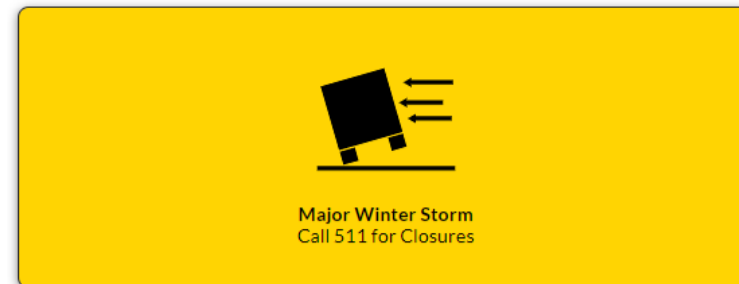
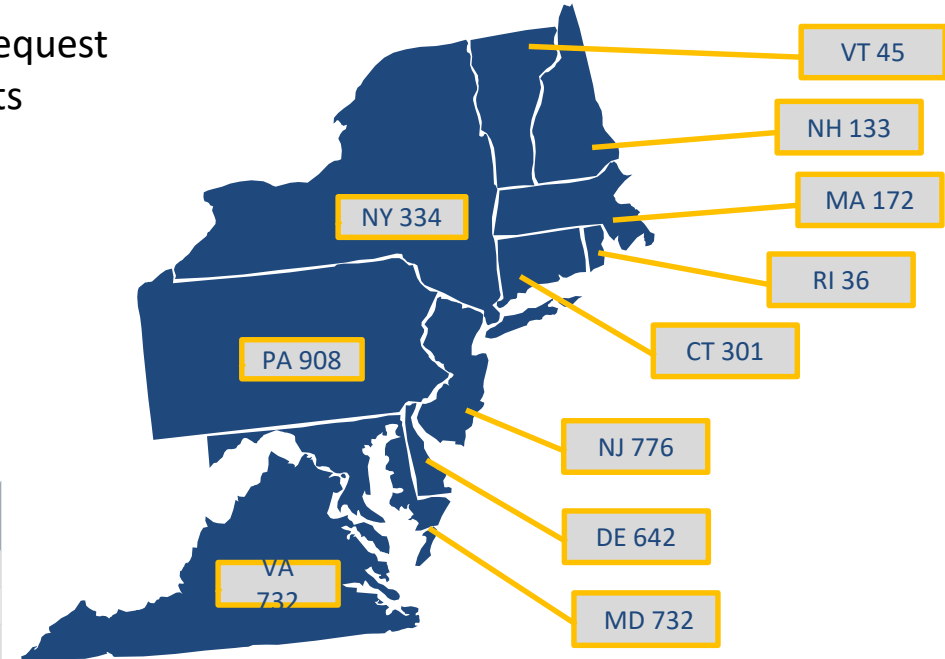


- 11 State agencies
- 1956 NB interstate road miles

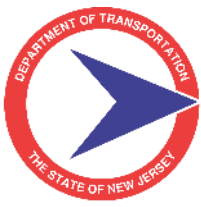


- 4,811 Trucks alerted over 30-hours

State	Location of Alert	Number of Trucks
CT	North I-95 NB	301
DE	North I-95 NB	642
MD	North I-495 NB	732
MA	North I-91 NB	165
MA	North I-495 NB	7
NH	North I95 NB	133
NJ	North I-95 NB	260
NJ	North I-295 NB	516
NY	North I-87 NB	25
NY	North I-495 NB	4
NY	North I-95 NB	305
PA	I-80 East EB	908
RI	North I-95 NB	36
VT	North I-91 NB	45
VA	North I95 NB	732
Total Number of Trucks Alerted		4811

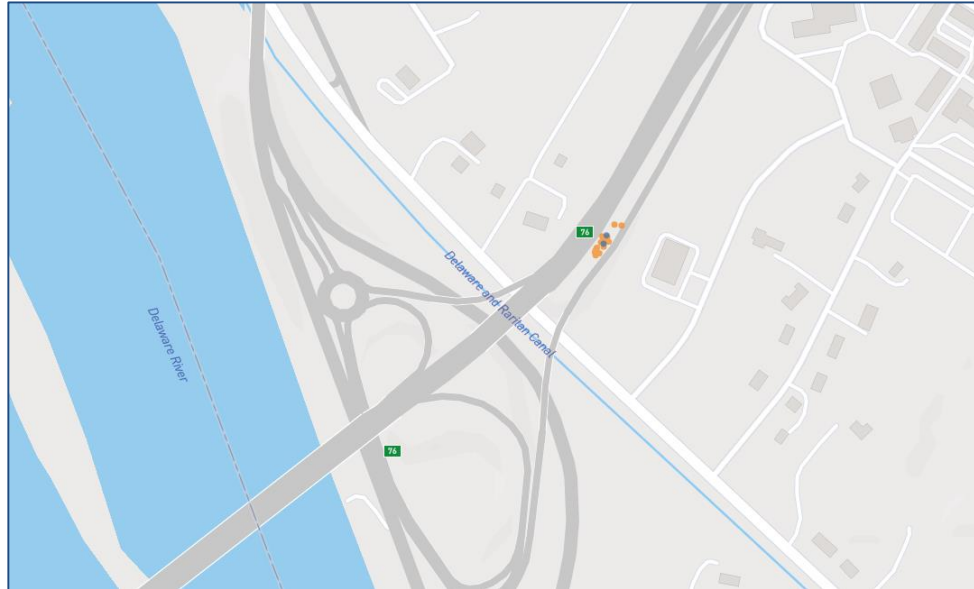


Example of actual ELD alert.
This also goes into any smart device.



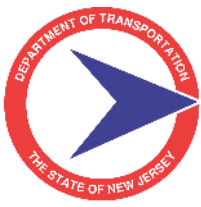
Geo-Fence Alert Example

NJ Major Snowstorm Alert North I-95 NB



State	Location of Alert	Number of Trucks
CT	North I-95 NB	301
DE	North I-95 NB	642
MD	North I-495 NB	732
MA	North I-91 NB	165
MA	North I-495 NB	7
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VT	North I-91 NB	45
VA	North I-95 NB	732
Total Number of Trucks Alerted		4811

- 516 Alerts Sent Out
- Date and Time Site was Activated: 01/28/22 at 5:50 PM EST
- Date and Time Site was Deactivated: 01/30/22 at 9:57 AM EST



Thank you!

Questions?



Drivewyze[®]

INRIX



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