

CIA TEAM

**MOBILITY &  
OPERATIONS**

NJDOT – Vandana Mathur

FHWA – Ek Phomsavath

# EDC-7: NEXT-GENERATION TIM - TECHNOLOGY FOR SAVING LIVES

---

- Using technology for more effective traffic incident management.
- Notify the motorists of traffic incidents, prevent secondary crashes, and ensure the safety of emergency responders.



# EDC-7: NEXT-GENERATION TIM - TECHNOLOGY FOR SAVINGS LIVES



## Deployment of TIM Technologies:

- Light towers are equipped on NJDOT Incident Management Response Trucks (IMRT) to provide lighting at incident scenes.
- Utilizing LED flares at incident scenes.
- DriveWyze provides real-time notifications to truck drivers about stopped queues and slowdowns.



## Institutionalized Stage:

- Integrate activities into the NJDOT ITS/Traffic Operations work programs.
- Offer real-time alerts to truck drivers for slowdowns and congestion.
  - “No Trucks in Left Lane” alerts to avoid traffic congestion.



# DRIVEWYZE ALERTS

---

- “No Trucks in Left Lane” alerts to avoid traffic congestion, increase traffic flow, and increase safety
- Notifications are sent approximately every 15 miles on a 3-lane roadway
  - Following is the text that goes out:
    - **Title:** LEFT LANE RESTRICTED
    - **Message:** No Trucks Left Lane



# DRIVEWYZE ALERTS

Site ID	Site Name	Last 90 days @ July 25/24		Last 90 days @ March 27/24	
		Alerts	Trucks	Alerts	Trucks
21936	NJ DOT Truck Left Lane Restrictions I-287 Edison NB	25242	7702	25190	7415
21937	NJ DOT Truck Left Lane Restrictions I-287 Bridgewater NB	30626	10084	28863	9326
21938	NJ DOT Truck Left Lane Restrictions I-287 Harding Township NB	37078	12488	35234	11383
21939	NJ DOT Truck Left Lane Restrictions I-287 Montville NB	37167	12619	34186	11491
21940	NJ DOT Truck Left Lane Restrictions I-287 Mahwah SB	52931	14158	48371	12800
21941	NJ DOT Truck Left Lane Restrictions I-287 Riverdale SB	32029	11536	29520	10359
21942	NJ DOT Truck Left Lane Restrictions I-287 Hanover SB	33086	11446	31079	10395
21943	NJ DOT Truck Left Lane Restrictions I-287 Bedminster SB	36889	12677	34082	11471
21944	NJ DOT Truck Left Lane Restrictions I-287 Piscataway SB	29412	9296	28118	8864
<b>Total</b>		<b>1786108</b>	<b>515432</b>	<b>1717619</b>	<b>482100</b>

- Alerts are sent in real-time. Sending notifications since August 17, 2023.
- To date, **1,786,108** total alerts have been sent, and **515,432** to the commercial vehicle trucks.