MTA Bridges and Tunnels
NYSDOT
TRANSCOM

Presented by: Krishna Venkataswami, P.E
Assistant Vice President, ITS
MTA Bridges & Tunnels

- Direct messaging to trucks
- Over Height Vehicle Detection System
- Messages Impact
- Bridge strikes across NYS
- Queens Midtown Tunnel OHVD detection data

#### **Note**

- Queens side averaging 150 turnarounds monthly

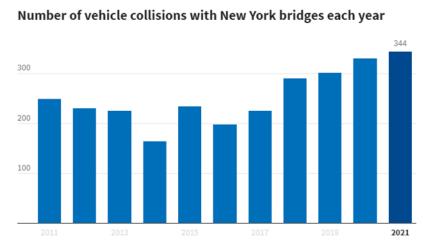
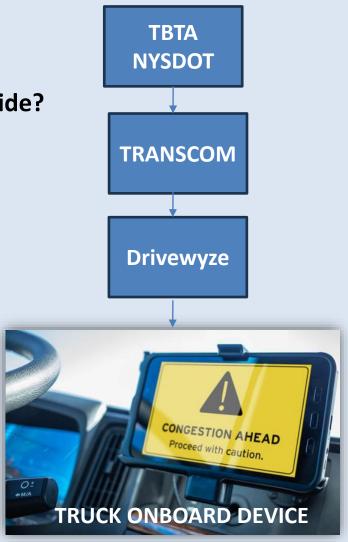


Chart: Emilie Munson / Times Union	<ul> <li>Source: New York Department of Transportation and Thruway</li> </ul>
Authority	

QMT -April 2024 Report		
Over all OHVD Detection	326	
Manhattan Approach	116	
BTQMT5	32	
BTQMT6	25	
BTQMT7	59	
Queens Approach	210	
BTQMT1	4	
BTQMT2	68	
BTQMT3	138	



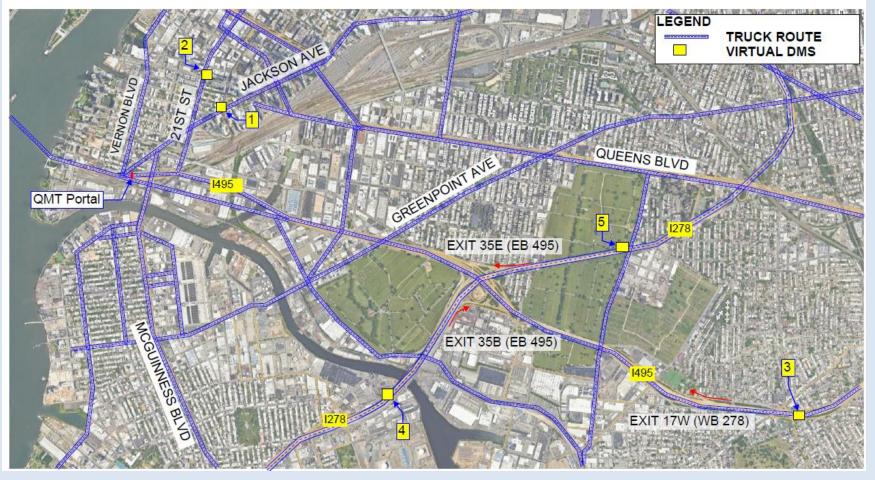
- Drivewyze Service
- How does it work?
- What information does it provide?



- 100 Virtual DMS Stations
- Station Selection
- 0.5 mile before Exits for high-speed freeways/arterials.
- 0.2-0.3 mile before decision point on local streets.
- Message list (default and campaign)
- 25 Characters/Message limit
- Maximum Two Message Phases
- No Graphics and No Color
- Visual Text Message and Text-to-Speech



	WESTBOUND LOCATIONS	CAMPAIGN (1) - DEFAULT	
		Message 1	Message 2
1	JACKSON AVE	QMT 12'-1" MAX HT	USE VERNON BLVD IF OVR HT
2	21st St	QMT 12'-1" MAX HT	USE JACKSON AVE IF OVR HT
3	WB 495	QMT 12'-1" MAX HT	USE XIT 17W IF OVER HT
4	EB 278	QMT 12'-1" MAX HT	USE XIT 35B IF OVER HT
5	WB 278	QMT 12'-1" MAX HT	USE XIT 35E IF OVER HT



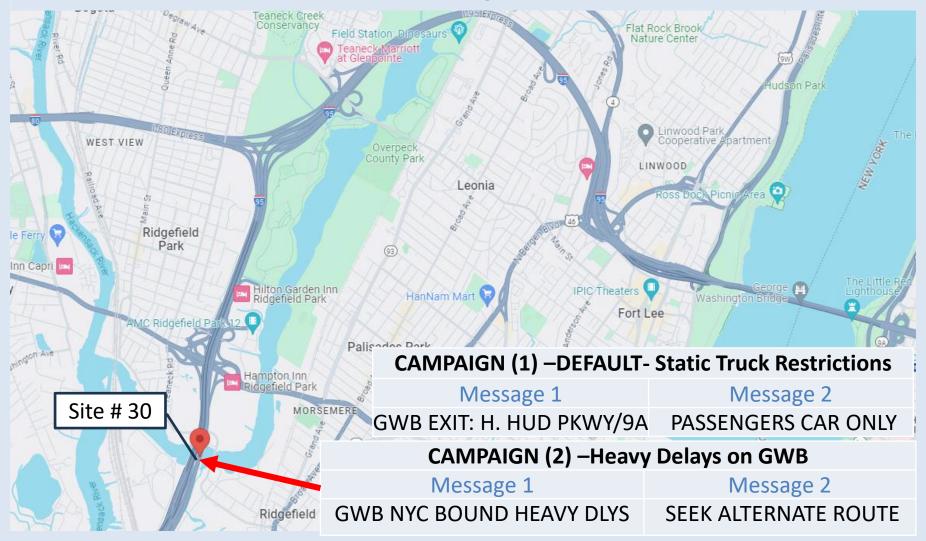
# **QMT QUEENS APPROACH**

	WESTBOUND LOCATIONS	CAMPAIGN (1) - DEFAULT	
		Message 1	Message 2
1	JACKSON AVE	QMT 12'-1" MAX HT	USE VERNON BLVD IF OVR HT
2	21st St	QMT 12'-1" MAX HT	USE JACKSON AVE IF OVR HT
3	WB 495	QMT 12'-1" MAX HT	USE XIT 17W IF OVER HT
4	EB 278	QMT 12'-1" MAX HT	USE XIT 35B IF OVER HT
5	WB 278	QMT 12'-1" MAX HT	USE XIT 35E IF OVER HT

	ESTBOUND OCATIONS	CAMPA	AIGN (2)
		Message 1	Message 2
1	JACKSON AVE	QMT TUNNEL CLOSED	USE ALT TRK CROSSINGS
2	21st St	QMT TUNNEL CLOSED	USE ALT TRK CROSSINGS
3	WB 495	QMT TUNNEL CLOSED	USE ALT TRK CROSSINGS
4	EB 278	QMT TUNNEL CLOSED	USE ALT TRK CROSSINGS
5	WB 278	QMT TUNNEL CLOSED	USE ALT TRK CROSSINGS

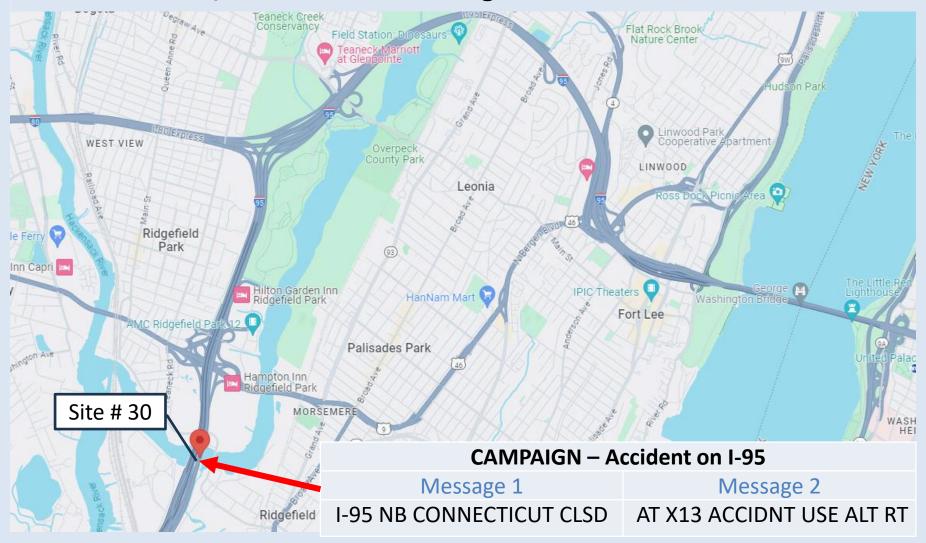
### **NJTP/Port Authority- GWB Heavy Delays**

Site #30: I-95/NJTP before I-80 merge



# Accident on I-95 Connecticut Exit 13 (Campaign assigned to multiple sites, unscheduled)

Site #30: I-95/NJTP before I-80 merge



# Accident on I-95 Connecticut Exit 13 (Campaign assigned to multiple sites, unscheduled)

#### Campaign assignment to Virtual DMS Sites

			Site Information (Locked) Automatically filled in as a site is selected.		
Site #	Campaign #	Site Name	Sign Loc Lat	Sign Loc Long	Bearing
		NJ: I-95/NJTP after I			
2		NJ: I-95/NJTP before			
3		NJ: I-95/NJTP before		-74.22903423	NB
4		NJ: I-78 before Exit		-74.68846176	EB
5	16	NJ: I-78 before NJTF	40.71086352	-74.17383705	EB
6	16	NJ: I-80 before Exit	40.87534845	-74.46657333	EB
7	16	NJ: I-80 before I-95/	40.86679129	-74.04413614	EB
14	16	NY: I-678/VWE leavi	40.66938	-73.80118	NB
15	16	NY: I-95 before I-28	40.98399	-73.6879	NB
21	16	NY: I-84 8mi. Before	41.502558	-74.228631	EB
24	16	NY: I-87/NYST app E	41.275243	-74.149508	NB
26	16	NY: I-87/NYST app I-	41.119792	74.127409	NB
27	16	NJ: I-287/NJ 17 app	41.106487	-74.166382	NB
30	16	I-95/NJTP before I-8	40.83909891	-74.01836937	NB

CAMPAIGN #16 – Accident on I-95		
Message 1	Message 2	
I-95 NB CONNECTICUT CLSD	AT X13 ACCIDNT USE ALT RT	

# Scheduled Construction on BQE/I-278 (Campaign assigned to multiple sites, start time, end time)

#### Campaign assignment to Virtual DMS Sites

		Site Information (Locked)			
		ļ ,	Automatically filled in	n as a site is selected.	•
Site #	Campaign #	Site Name	Sign Loc Lat	Sign Loc Long	Bearing
	1 15	NJ: I-95/NJTP after I	40.11211742	-74.71439605	NB
	2 15	NJ: I-95/NJTP before	40.50893156	-74.37287574	NB
	3 15	NJ: I-95/NJTP before	40.60296681	-74.22903423	NB
	4 15	NJ: I-78 before Exit	40.64288528	-74.68846176	EB
	5 15	NJ: I-78 before NJTF	40.71086352	-74.17383705	EB
	6 15	NJ: I-80 before Exit	40.87534845	-74.46657333	EB
	7 15	NJ: I-80 before I-95/	40.86679129	-74.04413614	EB
	8 15	CT: I-95 before NY S	40.99906105	-73.6546928	SB
	9 15	NY: LIE before I-678,	40.74275596	-73.82778862	WB
1	0 15	NY: LIE before I-287,	40.72624247	-73.89022028	WB
1	1 15	NY: I-495/LIE before	40.72854	-73.88338	EB
1	2 15	NY: I-495/LIE before	40.75752	-73.73849	WB
1	3 15	NY: I-678/VWE befo	40.7482	-73.84962	SB
1	4 15	NY: I-678/VWE leavi	40.66938	-73.80118	NB
1	5 15	NY: I-95 before I-28	40.98399	-73.6879	NB

Campaign #	Campaign Name	Start Date	End Date	ALERT TITLE - EN	Alert Message - EN
15	EB I-278/BQE–Interim Repairs Wknd Rdwk APR 13-15 024	4/9/2024 9:00AM	4/15/2024 4:00AM	BQE/I-278 CLSD EB IN BKLYN	APR 13-15 AVOID USING BQE

CAMPAIGN #15 – EB I-278/BQE–Interim Repairs Wknd Rdwk APR 13-15 2024		
Message 1	Message 2	
BQE/I-278 CLSD EB IN BKLYN	APR 13-15 AVOID USING BQE	

# **VDMS**

### **Thank You**



## Questions

- 1. What service is used for communicating with Trucks?
- 2. Can the system provide alerts in real-time?
- 3. What devices can be used to display the messages?
- 4. How many virtual stations are included in this pilot project?
- 5. Which agencies are participating in this project?