



Central Business District Tolling Program

Infrastructure and Systems

A Briefing to the MTA Board



Bridges and Tunnels

February 28, 2024

Monitoring and Reporting

Traffic congestion in and around the CBD

- Types of vehicles and volumes, including vehicle-miles traveled (VMT) within the CBD and vehicles entering the CBD
- Taxi/FHV use, including trips and VMT within the CBD

Transit

- Ridership
- Average bus speeds within the CBD

Air Quality

- Pollutant loads including PM2.5, Nitrogen Dioxide, and Ozone
- Greenhouse Gas emissions

Mitigation Commitments

- Pedestrian counts at transit station elements, before/after go-live
- Traffic counts at highways and intersections
- Implementation of EJ place-based and regional mitigation

Revenue and Expenditures

Summary Overview

Vehicles will be charged upon entry to the Congestion Relief Zone

- E-ZPass and Tolls-by-Mail, with potential for future technologies
- Prices will be determined by time of day, vehicle type, and which payment method is used
- Any discounts, credits or exemptions will require the use of E-ZPass

Back Office will provide account management services for E-ZPass and Tolls-by-Mail customers, plan management for those with discount or exemption plans, and customer service functions

Back Office System and Customer Experience

- Consistency in customer experience – using same regional customer service center and back office as the other NY agencies
- CBD will be added to existing statements and toll bills
- Back Office staff trained to assist customers with specific CBD questions, including those related to discount and exemption plans
- Testing Back Office system with other regional tolling agencies from the E-ZPass group

POSTING DATE	TRANSACTION DATE	TAG NUMBER/ PLATE	AGENCY	ENTRY			EXIT			PLAN	CL	AMOUNT	BALANCE
				PLAZA	DATE	TIME	PLAZA	DATE	TIME				
06/02/23	06/01/23	NYABC123	PANYNJ				HT	mm/dd/yy	hh:mm	STANDARD	1	\$14.75	\$18.00
06/02/23	06/01/23	NYABC123	[MTACBD]	CBD	mm/dd/yy	hh:mm				STANDARD	1	\$15.00	\$3.00
06/02/23	06/01/23	NYABC123	[MTACBD]	CXC	mm/dd/yy	hh:mm				[Crossing Credit]	1	\$(5.00)	\$8.00
06/02/23	06/01/23	Prepaid Toll Payment										\$100.00	\$108.00
06/03/23	06/02/23	00899999999	MTAB&T				HCT	mm/dd/yy	hh:mm	STANDARD	1	\$6.94	\$101.06
06/03/23	06/02/23	00899999999	[MTACBD]	CBD	mm/dd/yy	hh:mm				STANDARD	1	\$15.00	\$86.06
06/03/23	06/02/23	00899999999	[MTACBD]	CXC	mm/dd/yy	hh:mm				[Crossing Credit]	1	\$(2.50)	\$88.56
06/03/23	06/02/23	NYABC123	[MTACBD]				QMT	mm/dd/yy	hh:mm	STANDARD	1	\$6.94	\$81.62
06/03/23	06/02/23	NYABC123	[MTACBD]	CXC	mm/dd/yy	hh:mm				[Crossing Credit]	1	\$(2.50)	\$84.12
06/16/23	06/15/23	NYABC123	MTAB&T				HCT	mm/dd/yy	hh:mm	STANDARD	1	\$6.94	\$77.18
06/20/23	06/19/23	Prepaid Toll Payment										\$50.00	\$127.18
06/21/23	06/20/23	NYABC123	PANYNJ				GB	mm/dd/yy	hh:mm	STANDARD	1	\$14.75	\$112.43
06/21/23	06/20/23	NYABC123	NJTP		mm/dd/yy	hh:mm	6	mm/dd/yy	hh:mm	STANDARD	1	\$6.00	\$106.43



Roadway Toll System Locations

- Located at entrances, exits, and along excluded roadways
- Northern boundary generally has detection points between 60th Street and 61st Street
- Infrastructure designed to fit the urban landscape



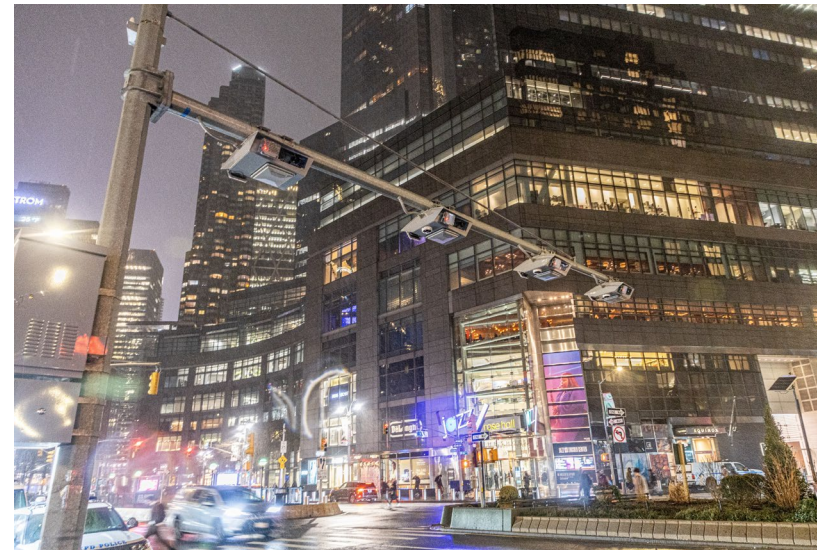
Infrastructure and Toll System Design

- Uses existing infrastructure where possible
- Similar to existing infrastructure and signage present along the roadways throughout the Manhattan CBD
- Infrared illumination so no light pollution at night

Detection Point Location Type	Quantity
Existing infrastructure	39
New Pole/Mast Arm at existing street pole location	7
New Poles/Mast Arm at new location	64
Total	110



West Side Highway at Chambers Street, Tribeca Pedestrian Bridge



Broadway between 60th and 61st Streets, Northbound



Center Drive, Central Park

Signage



Renderings of signage along Fifth Avenue

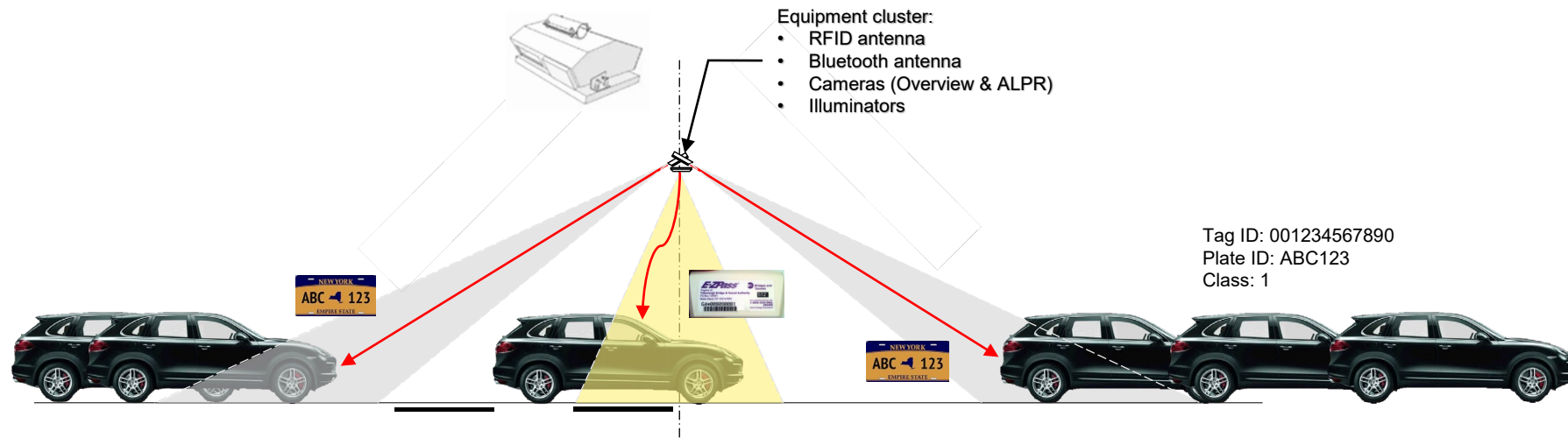
Vehicle Class

- Simplified number of vehicle classes
- Advanced image technology so traditional roadside sensors with in-ground loops not needed
- Classification based on vehicle characteristics (e.g. shapes, patterns) associated with distinct types of vehicles



A new way at looking a Vehicle Classification

How the System Will Work



The first step is to detect and identify the vehicle

Front license plate image is captured

Vehicle arrives in antenna reading zone – E-ZPass tag is read

Vehicle leaves in rear camera field of view – rear license plate image is captured



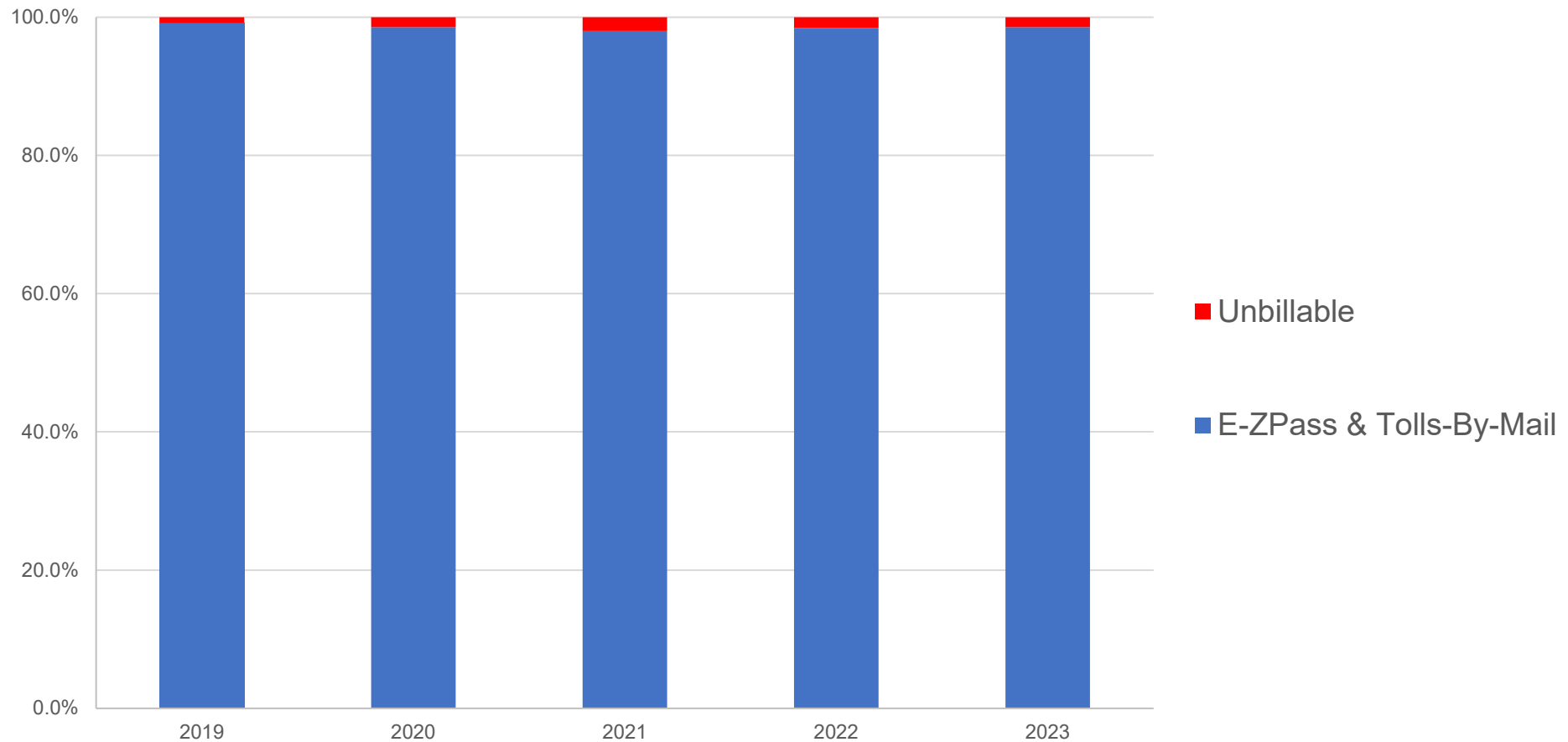
Tolling Enforcement



Bridges and Tunnels

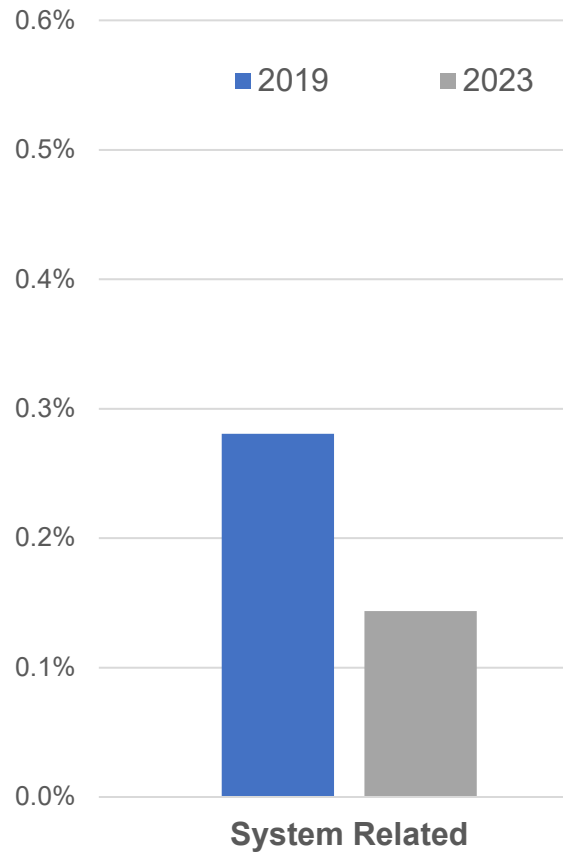
Current Toll Transactions

Toll Transactions (% of total)



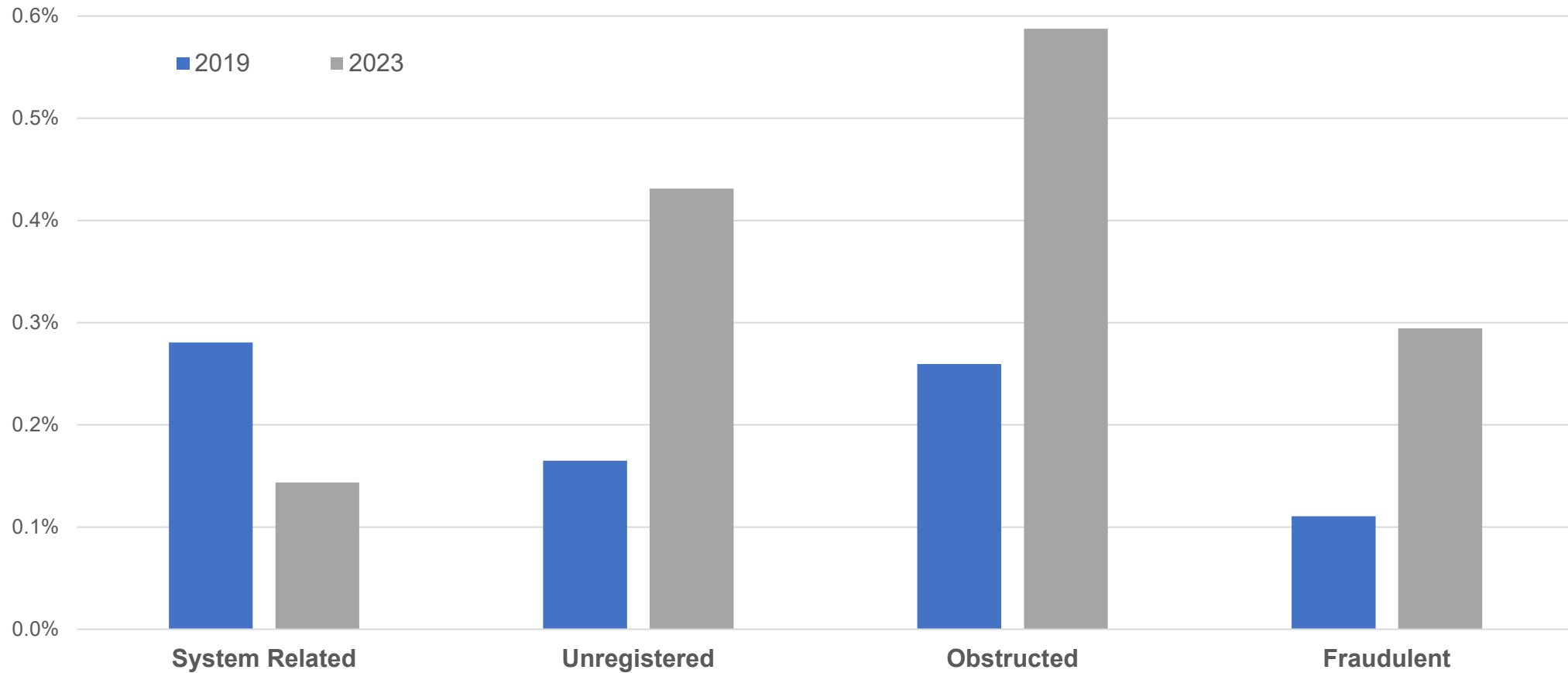
Current Unbillable Trends

Unbillable Transactions (% of total)

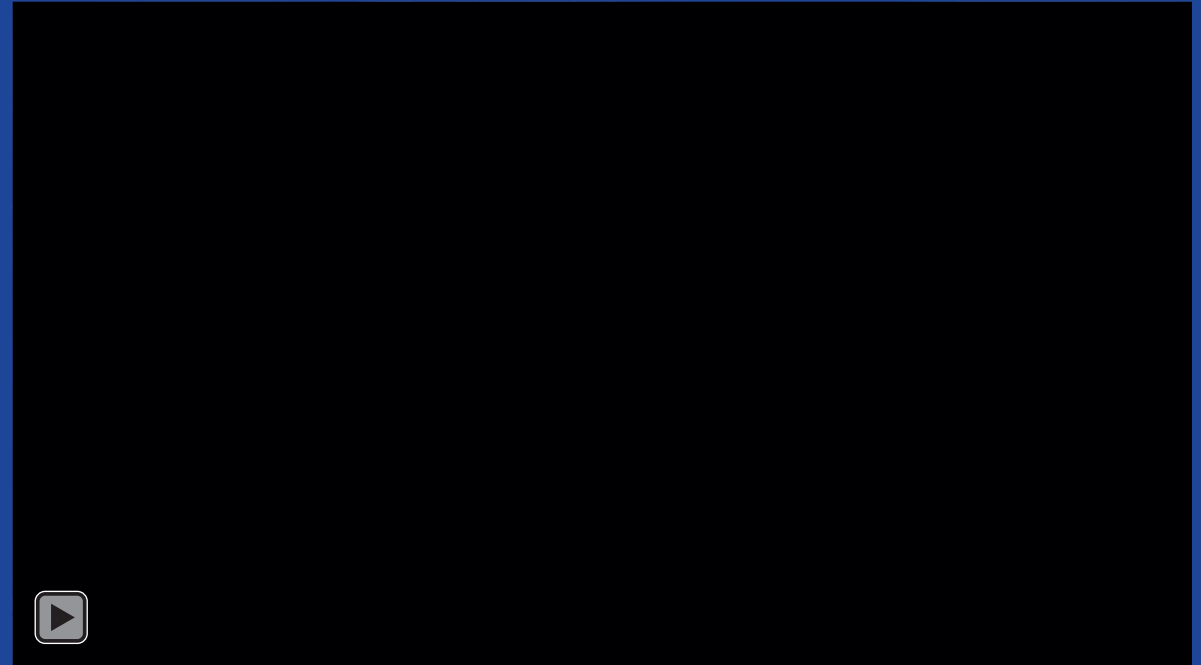
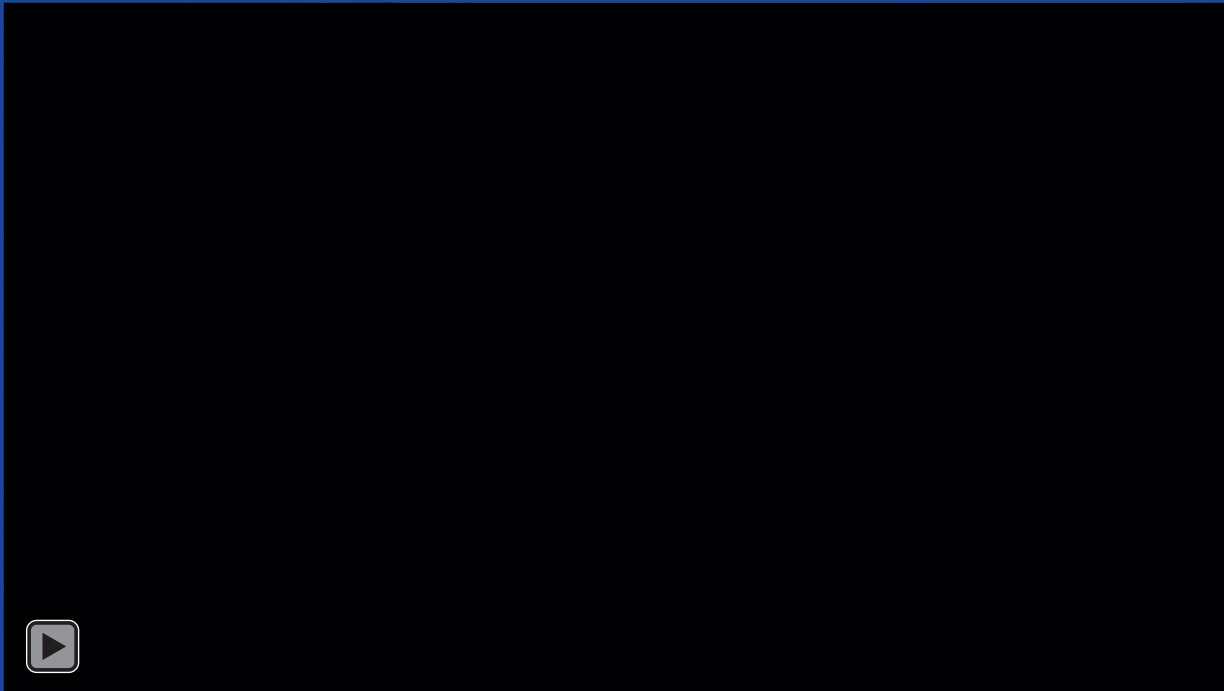


Current Unbillable Trends

Unbillable Transactions (% of total)



Offenders ...



... in Action

Enforcement

Occupied Vehicles

- Stops by observation
- Summons for NYS Vehicle & Traffic Law

Unoccupied / Parked Vehicles

- Summons for NYC Parking Rules

Applicable to all vehicles regardless of state of registration

Illegally Obstructed License Plates



Legislative Proposals

Adds “Theft of Services” for toll violations

- Allows arrests for use of “mechanical or electronic devices” for purposes of obstructing a plate

Increased fines for covered and obstructed plates

- Fine increase to \$100-\$500
- Seizure of plate covering with \$250 fine

Consequences

