

Over 100,000 Safety Improvements to the City Fleet

By Keith T. Kerman

On February 4, 2025, DCAS and US DOT (Department of Transportation) Volpe Center released the latest [Safe Fleet Transition Plan](#) (SFTP). The Safe Fleet Transition Plan is required under Executive Order 53 of 2020 and outlines the City's commitment to redesigning fleet vehicles of all types for the maximum level of safety.

DCAS is already leading the nation in truck sideguard implementation, with over 4,600 trucks deploying this critical safety shield. Across city fleet and school buses, the City has also deployed over 36,000 vehicle tracking devices, which DCAS manages through the Fleet Office of Real Time Tracking (FORT).

The Safe Fleet Transition Plan outlines safety enhancements that DCAS will implement with new vehicles and/or retrofits across vehicle types. The plan is divided into Tier 1 Mandates, Tier 2 Best Practices, and Tier 3 Exploratory Technologies. With the release of the latest Safe Fleet Transition Plan Update, DCAS has now [surpassed 100,000 safety improvements](#) on fleet vehicles since the report was first issued in 2017.

Among the changes in this year's report:

Intelligent Speed Assistance (ISA): DCAS [leads](#) the nation in ISA implementation. ISA is now a Tier 2 Best Practice technology, up from an exploratory technology. DCAS has completed 500 retrofits with 1,600 more planned.

Truck Surround Cameras or High Vision Trucks: DCAS currently has 2,003 trucks that qualify as high vision or are outfitted with truck surround cameras, with

2025 NYC Safe Fleet Transition Plan Update

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782 additional trucks on order with surround cameras. Consistent with Mayoral [Executive Order 39](#) of 2023, surround cameras and/or high vision trucks are now Tier 1 mandates. Executive Order 39 is the nation's leading effort to address visual impairment for trucks.

External Audible Sound Alerts for Pedestrians: DCAS has completed the first rollout of 200 audible sound alerts that will warn pedestrians of trucks when they turn. DCAS upgraded this technology from exploratory to best practice and will work to incorporate it in new truck specifications going forward where applicable.

Expanding Automatic Braking: Automatic braking will help slow or stop a vehicle if a crash is imminent. DCAS has now implemented either forward and/or rear automatic braking (AEB) on nearly 6,900 vehicles. For medium duty trucks, AEB is now a best practice technology upgraded from exploratory, with 1,125 units now using the technology. Rear AEB is also now a best practice with 1,253 units currently in the fleet. AEB for heavy duty trucks remains a Tier 3 category.

The report also upgrades backup sensors for trucks to Tier 2 and adds lane departure warnings as Tier 1 for light duty and Tier 2 for medium duty and trucks. The report also adds some areas for additional exploration, including minimal sound detection for electric trucks and telematics tracking of lights and siren packages.

Thanks to the team at US DOT Volpe for their partnership on this report: Alexander K Epstein, PhD, Arielle Herman, MPA, and Sarah Yahoodik, PhD. Thanks to everyone at the fleet agencies who assisted with this report and especially Nate Koszer, who led this effort for DCAS Fleet.

Tier 1	Tier 2	Tier 3
	Best Practice Technologies	Exploratory Technologies
High vision truck cabs where competitively available and operationally feasible * § †	Intelligent Speed Assistance (ISA) §	Alcohol touch ignition interlock §
Truck surround cameras for new truck acquisitions when high vision truck cabs are not available * †	AEB for medium-duty vehicles with pedestrian detection where available §	Cell phone physical or app-based lock box/docking station ignition interlock §
Backup cameras where rear view is not otherwise included by surround cameras	Blind spot monitors	Seatbelt assurance ignition interlock systems §
Forward Collision Warning (FCW) and Pedestrian Collision Warning (PCW) for Class 1 and 2	Enhanced Seat Belt Reminder systems (ESBRs)	Universal design
Automatic Emergency Braking (AEB) for light-duty vehicles (Class 1-2) with pedestrian detection where available §	Navigation systems	Automatic Emergency Braking (AEB) for heavy-duty vehicles * §
Automatic headlights where available	Power mirrors and heated mirrors *	Connected vehicle, or vehicle-to-vehicle (V2V), communication technology
Enhanced truck rear underride guards *	Speed governors * §	License plate readers
Safety lights for work trucks, such as but not exclusive to side-visible turn signals and roadwork lights (amber)	Turning alarms *	Minimum sound detectability of electric MD/HD vehicles
Side underride guards * consistent with Local Law	Rear Automatic Emergency Braking (AEB) for all vehicle classes §	Telematics to enable siren use † ¶
Self-adjusting volume and/or multifrequency backup alarms †	Forward Collision Warning (FCW) and Pedestrian Collision Warning (PCW) for Class 3 and above	
Additional mirrors/lenses where applicable including Fresnel lenses *	External Cameras and Recording	
Telematics to enable utilization, collision, speed, and safety reporting, among other uses † ¶	Training where feasible in appropriate use of technologies	
Warning decals *	Lane departure warnings for medium- and heavy-duty vehicles	
Power windows where available *	Backup sensors	
Lane departure warnings for light-duty vehicles		



High blood pressure (hypertension) affects over 48% of American adults, but only 1 in 4 of them have it under control. High blood pressure can lead to heart disease, stroke, kidney failure and other serious health problems. Take action by registering for WorkWell NYC's **8-week hypertension prevention and management program**, Let's Bring the Pressure Down.

[Register](#)

Vision Zero: Building a Safer City

This show highlights vendors who support the New York City's Clean Fleet and Vision Zero initiatives, and daily operations. Vendors will offer a wide array of products to improve vehicle safety. The show will also highlight vehicles and equipment with alternative fuels and emissions-reducing technologies, along with the latest in light and heavy-duty vehicles, trucks, horticultural equipment, tools, fleet services, and more!

36th Annual Equipment & Vehicle Show

Flushing Meadows Corona Park
(by the Unisphere), Queens, NY

**Thursday,
May 15, 2025
9 a.m. - 2 p.m.**

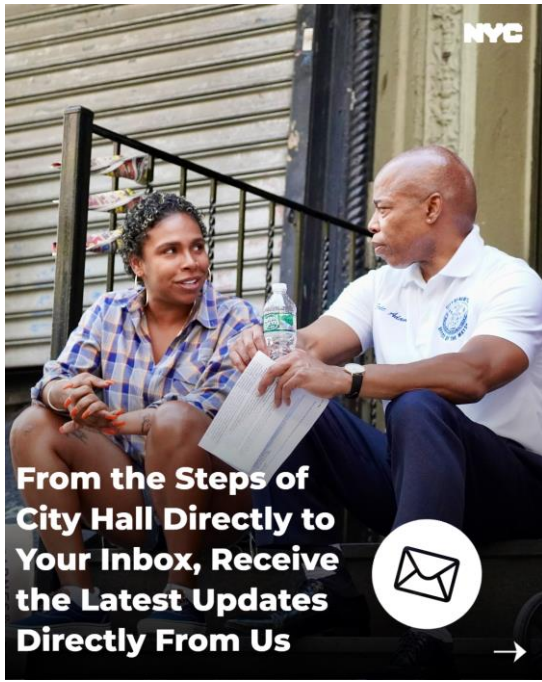
**Rain Date:
Friday,
May 16, 2025**

Accessibility Questions?
Contact DCAS Accessibility
at 212-386-0256, or email
accessibility@dcas.nyc.gov
by May 6, 2025



<https://www.nyc.gov/site/dcas/agencies/nyc-fleet-upcoming-events.page>





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We have gotten so much done, but we also know there is still so much left to do. Our work is never about settling for "good enough" or resting on our laurels. We're pushing further than ever this year to build a safer, more affordable city that will make New York City the best place to raise a family. We're getting it done as a team, and that's the way we'll get even more done.

Check out past editions of the Fleet Newsletter

[NYC Fleet Newsletter 484, January 24, 2025:](#) MTA Congestion Pricing And The City Fleet

[NYC Fleet Newsletter 483, January 17, 2025:](#) Fleet Spotlight: DSNY Hamilton Avenue, Brooklyn, "The Taj Mahal of Transfer Stations"

[NYC Fleet Newsletter 482, January 6, 2025:](#) It Was Never Your Car. It's a City Fleet Vehicle.

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