

# Safer Urban Trucks

## The evidence for change



HGVs make up **4%** of road miles but ...



... fatalities involve an HGV in London and ...



Research has helped us to:

- Understand HGV blind spots
- Develop an independent safety equipment test
- Identify the benefits of driver direct vision
- Define a standard to assess and rate vehicle direct vision



Different vehicle features can affect **blind spots**



The height of the cab above the ground is the **key vehicle factor** affecting blind spots

What does the evidence show?



Cameras, mirrors, sensors can help, but too many can lead to driver 'cognitive overload'



### Informing vehicle specifications



#### Direct Vision Standard

Rates how much a driver can directly see of other road users in areas of greatest risk. The Standard provides safety information to aid vehicle purchasing decisions



#### Site Standards

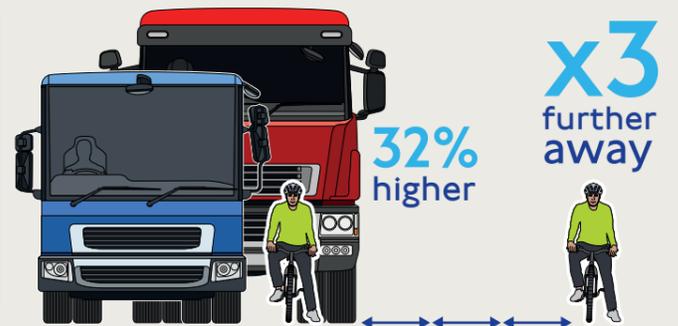
Enables the grading of ground conditions at construction and waste sites, helping to identify if an off-road vehicle is necessary. This will help to give confidence to operators to specify the right vehicle for the right job



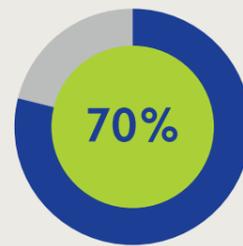
#### Safety Equipment Testing

Independently tests and reviews safety equipment to inform the purchase of the safest vehicle technology

Construction vehicles are on average **32%** higher, meaning other road users need to be **x3** further away to be seen



Analysis of cyclist fatalities over the past three years showed:



involved HGVs with higher cabs designed to be driven off-road

But research showed:

**49%** of those who use off-road vehicles said off-road conditions are never/ rarely encountered

**47%** of those questioned are not familiar with the difference between on-road and off-road trucks

Only **2%** of a construction HGV's journey takes place in off-road conditions

The right vehicle for the right job

'You just need to sit in one of the old cabs then get in the new one and you realise how important this change is'

Transport Manager

Find out more by reading the research at [tfl.gov.uk/Safer-Trucks](http://tfl.gov.uk/Safer-Trucks)