



PARTNERSHIP PROGRAM

What are your major concerns when driving on the road?



What are the causes of a heavy vehicle rollover?

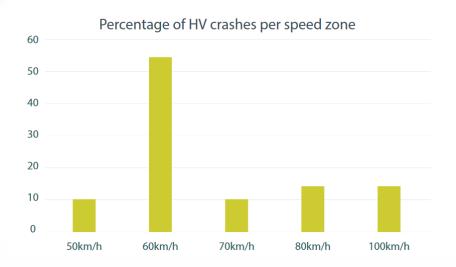


Interactions between HV & LV

Percentage of HV/LV crashes by location HV/LV crashes are most common in regional areas



Speed zones where crashes involving HV are most likely to occur



And then there is deliberate fatalities...

The driver could not see me!!!





What are the urban issues?

Greater Melb 2006-2013 HV related injuries

	Pedestrian	Motorbike	Cyclists	Total
Fatalities	23%	16%	8%	47%
FSIs	10%	7%	6%	23%

Cyclist killed after being hit by truck in Geelong



Elderly woman killed by cement truck in 'traumatic' crash in Sydney

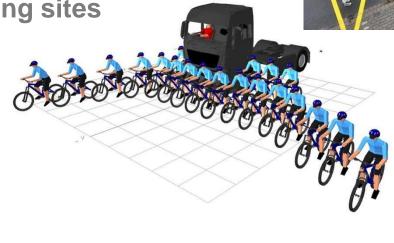


83-year-old Gangotri Maharaj was reportedly attempting to cross a road 'hand-in-hand' with her husband when she was hit by a truck in Sydney. The couple would have celebrated their 61st wedding anniversary this weekend.



What are the issues?

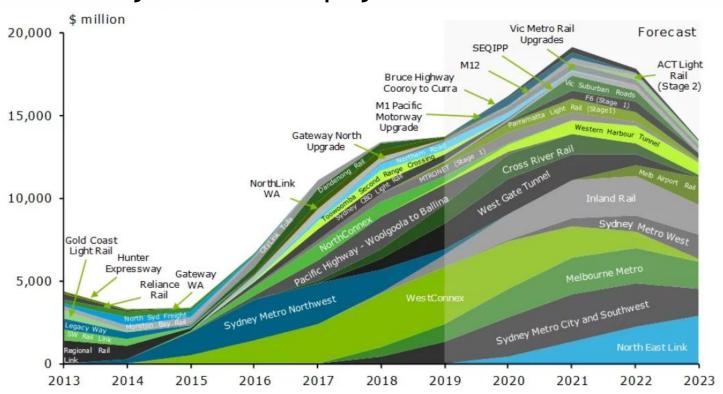
- Poor reporting of injuries / near misses
- Blind spots
- Lack of under run protection
- Multiple vehicles making deliveries
- Entering and exiting sites





The challenge in Australia - construction project pipeline

Major road and rail projects



Reference: Deloitte Access Economics

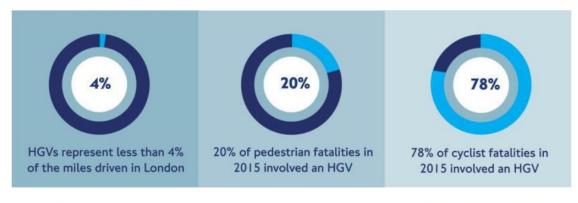


What portion of your haulage relates to govt projects?

- ► No idea
- Can't say
- ▶ 1% to 25%
- > 26% to 50%
- > 51% to 75%
- > 75% to 100%



The challenge in the UK-sharing the roads



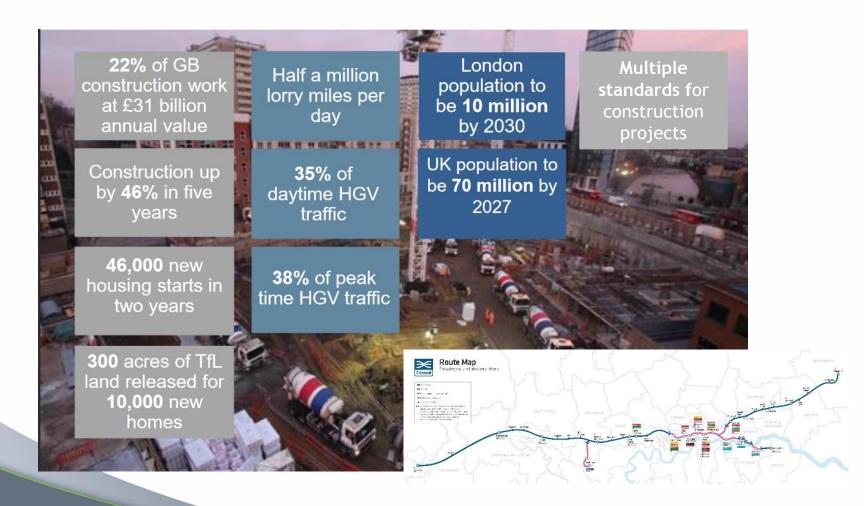
Why are HGV lorries so dangerous and how can the industry make London's streets safer for cyclists?

Lorry drivers have no more excuses when it comes to cycling blind spots

Sixth London cyclist dies in 13 days in lorry crash in Camberwell



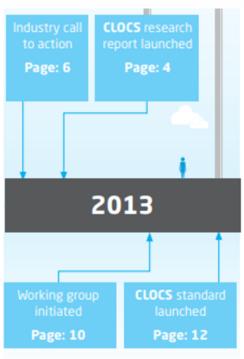
Meeting the challenge - sound familiar?













*Leadership from TfL





The TfL position

IfL must employ, and must be seen to employ, the safest fleet operators in London

To mitigate the risk of a vulnerable road user being killed or seriously injured by one of our suppliers, in February 2012, we introduced Work Related Road Risk (WRRR) clauses into our new and existing contracts – Mike Brown TfL Commissioner

Requirements

Logistic operations requirements

- Quality operation
- Collision reporting
- Traffic routing

Vehicle requirements

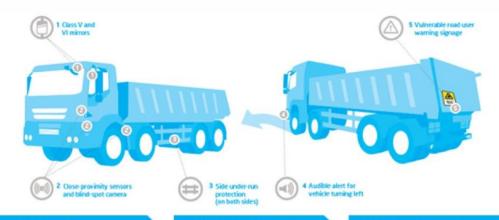
- Warning signage
- Side under-run protection
- Blind-spot minimisation
- Vehicle manoeuvring warnings

Driver requirements

- Training and development
- **Driver licensing**

Construction client requirements

- **Construction Logistics Plan**
- Suitability of site for vehicles fitted with safety equipment
- Site access and egress
- Vehicle loading and unloading
- Traffic routing
- Control of site traffic, particularly at peak hours
- Supply chain compliance



1. Vehicle **Operator Check**



Vehicle operator must be certified at minimum is the Fleet Operator Recognition Scheme ID:003288 www.fors-online.org.uk

2. Vehicle Check

Any vehicle over 3.5 tonne gvw shall have the following vulnerable road user safety kit fitted:

Blind-spot minimisation: 1 Class V and VI mirrors

- 2 A method of minimising the vehicle blind-spots eg camera system and/or sensor system and/or Fresnel lens (the system must be working)
- 3 Side under-run protection (both sides)
- 4 Audible alert for vehicle turning left
- 5 Vulnerable road user warning signage

3. Driver Check

- Driver must have a valid driving licence for the vehicle they are driving
- road user training



In the event of non-conformance the vehicle may be refused entry and a non-conformance report completed



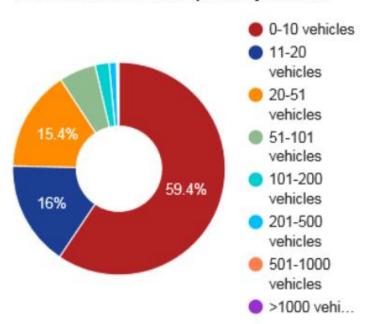




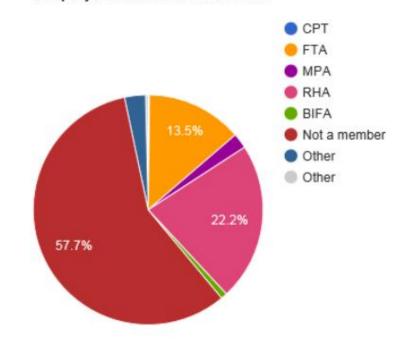
ALL OF INDUSTRY BENEFITS

Communicate and engage with hard to reach

Number of accredited companies by fleet size



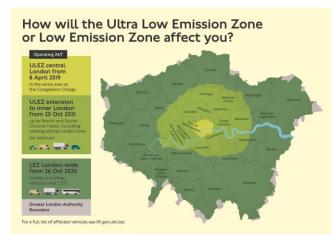
Company trade associations affiliation



Success of CLOCS in UK

- Floor established for safety in contracts
- Industry led response
- Championed by TfL
- Breaking down of silos
- Sharing of knowledge
- ► 47% reduction in casualty rate when implementing CLOCS
- New cab design with greater visibility
- Ultra low emissions zone in London has had added impact







Adapting CLOCS to Australia

- Identified a safety issue and an appropriate solution
- ▶ Webinar / MoU with TfL
- Exchange of information between Australia and UK
- Sydney and Melbourne Metro contracts already include CLOCS clauses in contracts
 - Driver training
 - ► Vehicle safety equipment and signage
 - ► Route compliance
- ► Training for truck drivers (with Amy Gillett Foundation)
- ► Engagement with construction industry identified the need for one national standard for contracts
 - ▶ "Why is it we use so much incredibly expensive and high-tech equipment on building these projects and then the highest risk element is all the oldest?"

Sharing Roads Safely: online, workshop, on-road



Sharing	Module 1	Module 2	Module 3
Roads	An interactive introduction	In-depth, hands-on	Practical on-road experiences,
Safely	introduction	workshop with group activities	includes riding and walking
Delivery	Online	Workshop	On-Road
Duration	30 mins	Half Day	
Training objectives			
Changing roads	/ /	~	~
Vulnerable road users	✓	*	***
Sharing our roads	✓	/////	/////
Vehicle equipment	✓	****	~



amygillett.org.au

NHVR seed Funding - Stage 1 for CLOCS-A

- Collation of information on existing initiatives
- Assess CLOCS for local relevance
- Development of a standard and implementation plan
- Dedicated website
- Outline of technical groups and governance structure



The issue with technology is we are still human



Source: NRSPP Webinar: Toll Group Heavy Vehicle Safety 2015



Technology and humans

- What is the problem?
- What is fit-for-purpose?
 - Autonomous Emergency Braking (AEB)
 - ▶ High Visibility Tape



Audible turning alarm recent addition





Safely





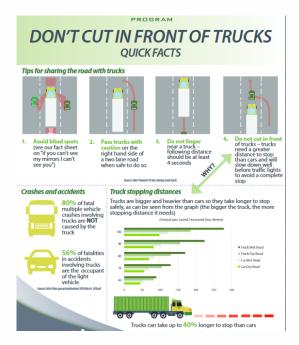
Does your heavy vehicles have:

- Driver trained in VRU awareness and use of technology?
- Rear cameras
- Extended mirrors
- Door visibility window
- Side under run
- AEB
- ► IVMS
- ► IVCS
- Fatigue monitoring
- Reflective high viability tape / markings
- Other



How can we change the narrative around trucks?







2018

Safe Interaction of 18-25 year old road users with trucks



don't truck around.



this project will require 300 truck movements per day.

nivestruck com

that means twelve trucks will drive by you each hour.

giveatruck.com

didn't notice them?

giveatruck.com

well thank truck they noticed you.

giveatruck.com

it's time to give a truck.

giveatruck.com

...more space

...more time

giveatruck.com

...more respect.

nivestruck com



Thank you It is free to get involved, become a partner









For more information or to become a partner:

- Jerome.Carslake@arrb.com.au
- <u>www.nrspp.org.au</u> register for newsletter
- <u>@NRSPPaus</u> Twitter
- LinkedIn
- Facebook <u>@NRSPP</u>





