

Construction Trucks and Community Safety

Keeping the community safe during construction periods



Department
of Transport
and Planning

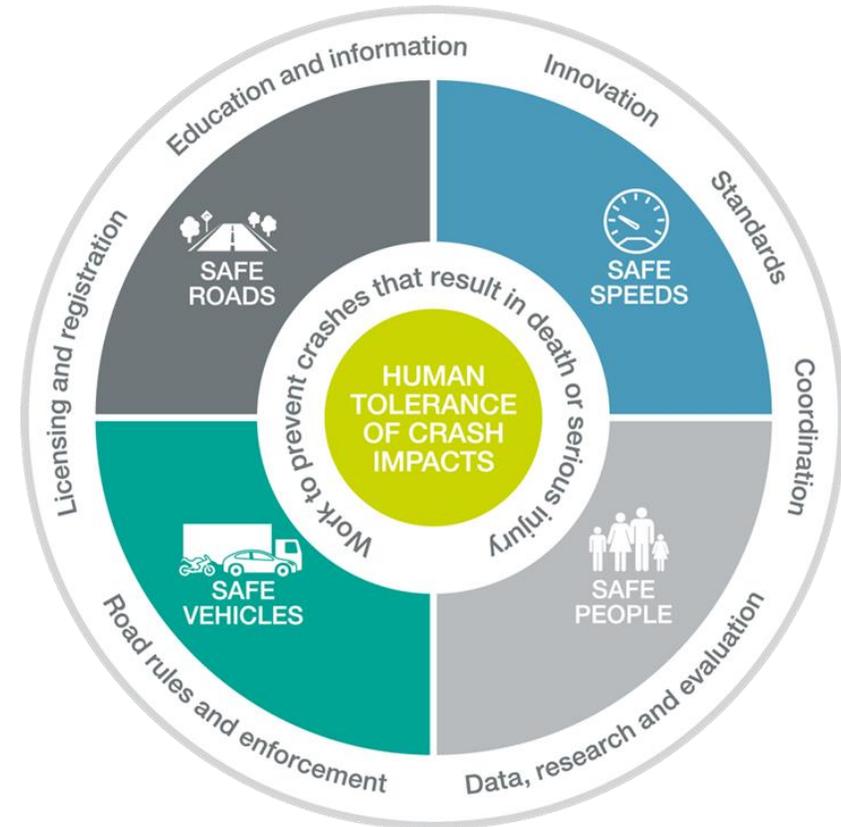


Road Safety Context in Victoria

- > Road Safety Victoria
- > Road Safety Partnership and the Safe System
- > The Victorian Road Safety Strategy

The Safe System approach

- > The Partnership's work is based on the Safe System approach to improving road safety and is informed by evidence and data.
- > The Safe System is underpinned by the following principles:
 - > people are human and sometimes make mistakes
 - > roads, roadsides, and vehicles need to be designed to minimise crashes or reduce forces if a crash happens.
 - > road safety is a shared responsibility.
- > This means that initiatives to ensure safer roads, speeds, people, and vehicles need to be implemented together.



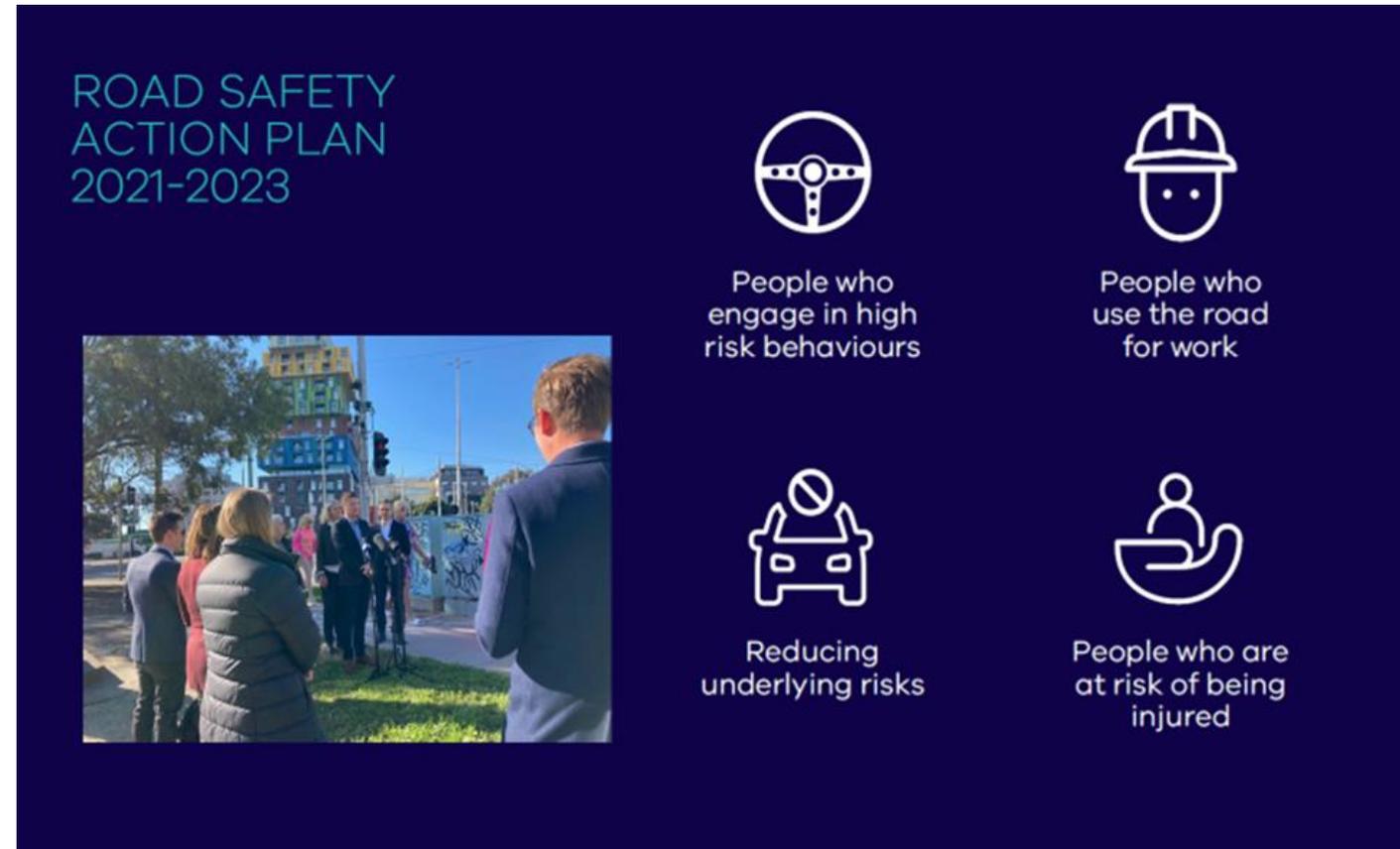
Victorian Road Safety Strategy 2021–2030

- > The strategy's objectives are to:
 - > ensure all Victorians are safe and feel safe, on and around our roads.
 - > halve all road deaths by 2030 and to eliminate all road deaths by 2050
 - > encourage a culture of road safety within the Victorian community
 - > deliver a suite of initiatives that have an impact in the short-term while preparing us for the future.



Victorian Road Safety Action Plan 2021–2023

- > Aims to reduce road trauma by focusing on the groups that are over-represented in deaths and serious injuries on our roads, including:
 - > people who are at high risk of being injured
 - > people who use the roads for work
 - > people who engage in high-risk behaviours.
- > Delivering the strategy via a series of action plans allows us to be agile in response to changes in road safety technology, the needs of the Victorian community, and in the social and economic environment.



ROAD SAFETY ACTION PLAN 2021-2023

People who engage in high risk behaviours

People who use the road for work

Reducing underlying risks

People who are at risk of being injured

The graphic features a dark blue background with white text and icons. On the left, there is a photograph of a group of people standing outdoors, possibly at a community meeting or event. The text and icons are arranged in a grid-like fashion to the right of the photo.

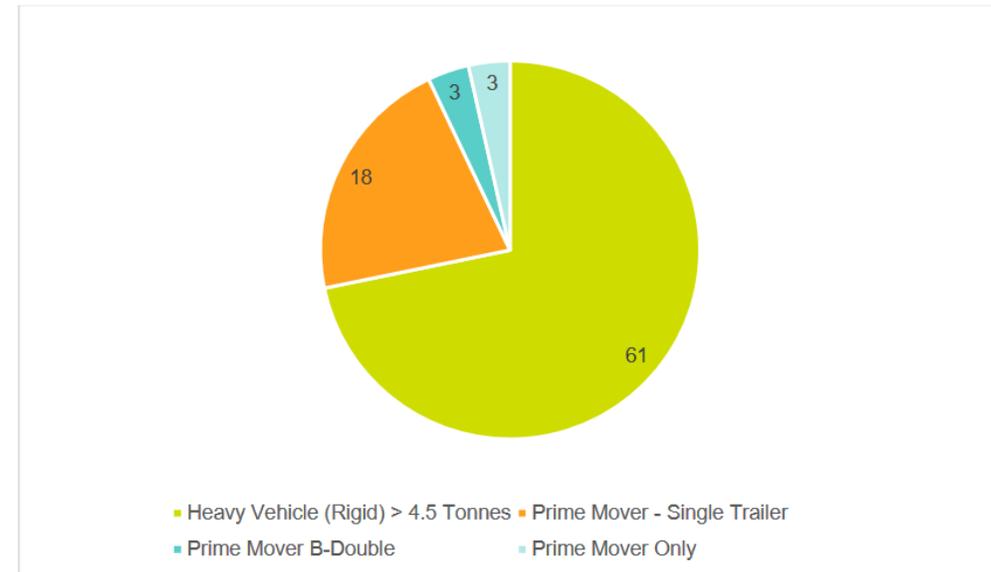
Construction Trucks and Community Safety

- > Project Overview
- > Component Parts

What's the problem?

- Construction trucks represent some of the oldest trucks in the truck fleet
- They are often owner operated trucks so they are older models without the latest safety features
- Truck/Vulnerable Road User interactions create catastrophic events in which pedestrians, bicycle riders and motorcyclists, collectively known as 'Vulnerable Road Users', are hyper vulnerable.
- Geographic location – construction sites are often co-located where active transport usage is high.

Breakdown of truck body types involved in crashes where a cyclist was killed or seriously injured



- Almost 3 in 4 (72%) of the truck body types involved in bicyclist FSIs were Heavy Vehicle (Rigid) > 4.5 Tonnes followed by Prime Mover - Single Trailer type vehicles (21%)

Project overview

Developed in partnership with state government agencies, local government, non-government organisations and industry, the Construction Truck and Community Safety Project aims to:

- Provide new tools and ways of working to improve safety for pedestrians, bicycle riders and motorcyclists.
- Embed safety for vulnerable road users in various construction activities to prevent incidents from occurring.

Component Parts

- Truck Safety Features
- Traffic Management Planning
 - Driver training
 - Route selection
- Communication and publicity

Clause induced safety improvements



- Currently clauses embedded into: Metro Rail, LRXA, NELA, Transurban projects and other contracts

Truck Standards

- Additional Victorian project undertaken to determine three tier truck standards for CLOCS-A national project
- Current clauses require a variety of retrofit items including:
 - a left turn audible alarm;
 - front, rear and side underruns;
 - warning signage;
 - increased visibility using fluorescent and retroreflective tape;
 - improved air quality of Euro 5 and above.



Truck driver training

- Truck drivers learn about Vulnerable Road Users on the roads
 - Learn about how to be more aware of pedestrians, bicycle riders and motorcyclists, and to understand how to drive safely near them.
- In-service training requirement
 - Three toolbox talks developed to support this clause (blind spots, pedestrians, bicycle riders)



Temporary Traffic Management – room for improvement



Supportive measures



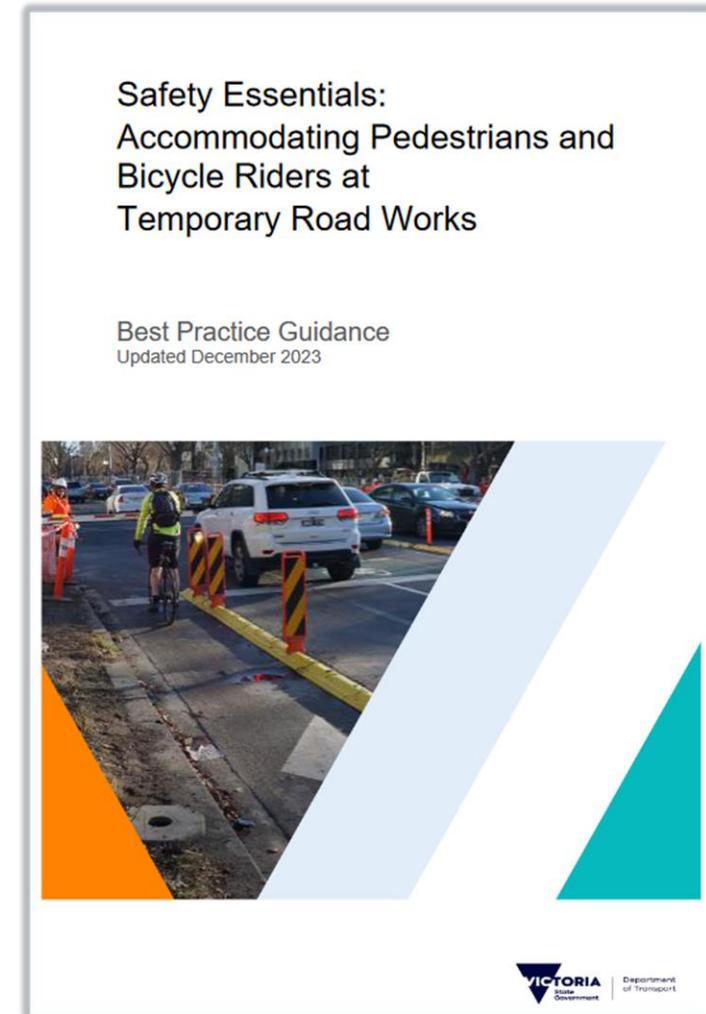
Temporary Traffic Management Resources

Concise guidance is provided in the Safety Essentials guide.

This document covers a range of topics including:

- Positioning of signs
- Traffic Control Devices
- Container fencing
- DDA compliance and trip hazards

[Link to Safety Essentials Guide](#)

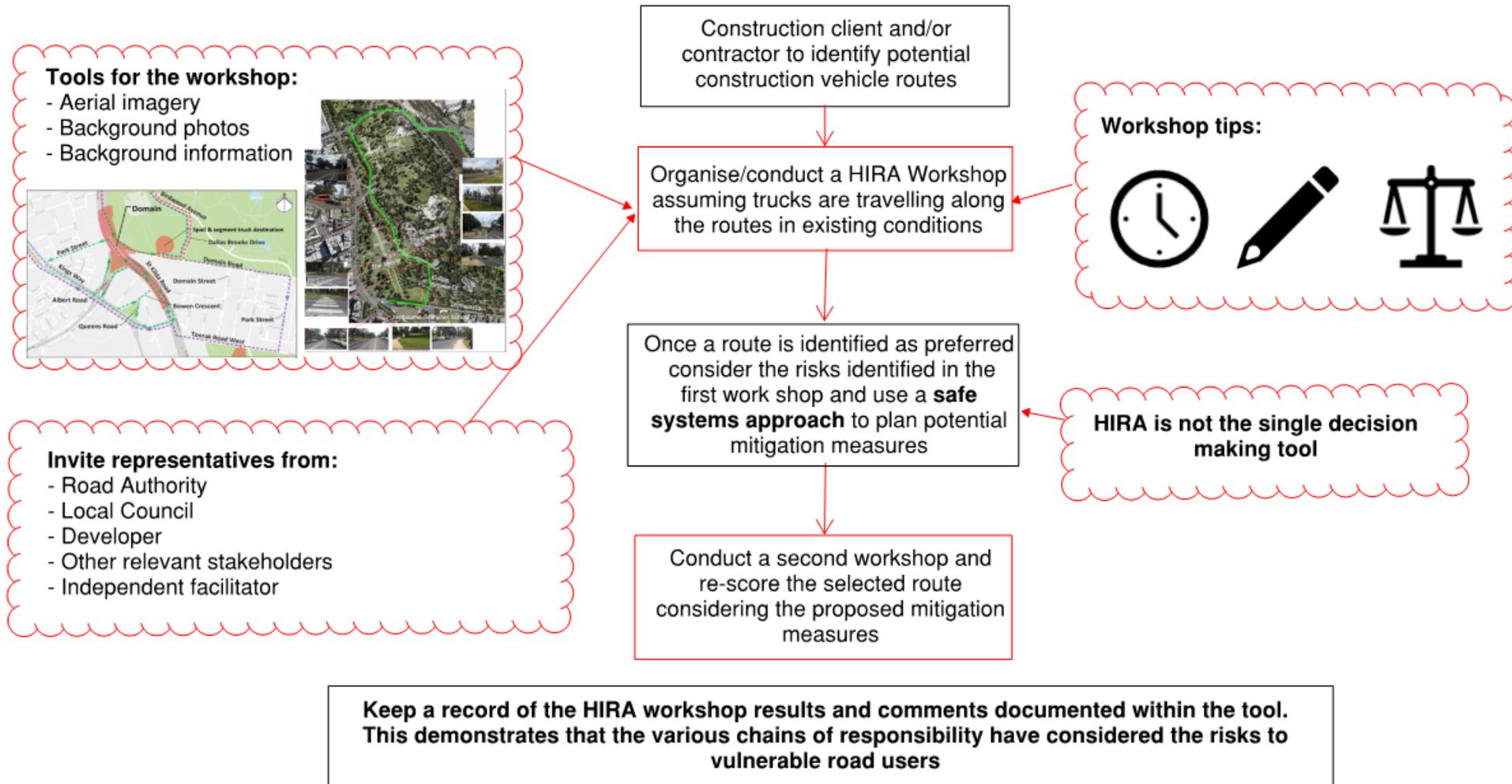


Route Selection Tool



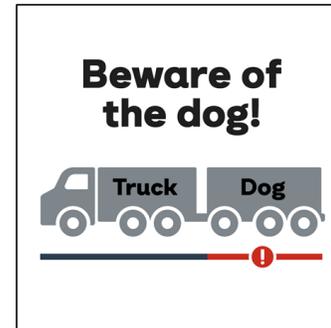
A Decision Support Tool for Major Construction Project Traffic Planning

Process



Public Education Campaign

- Swapping Seats activation delivered November 2023
- Community education campaign currently in market since March 2024
- Additional Swapping Seats activations for an expanded audience in development



Industry outreach

- Newsletter
- Conference attendance and presentations
- Web page resource collection
- Truck driver toolbox talks (with NRSPP):
 - *Blind spots*
 - *Pedestrians*
 - *Bicycle riders*
- Introductory council workshops

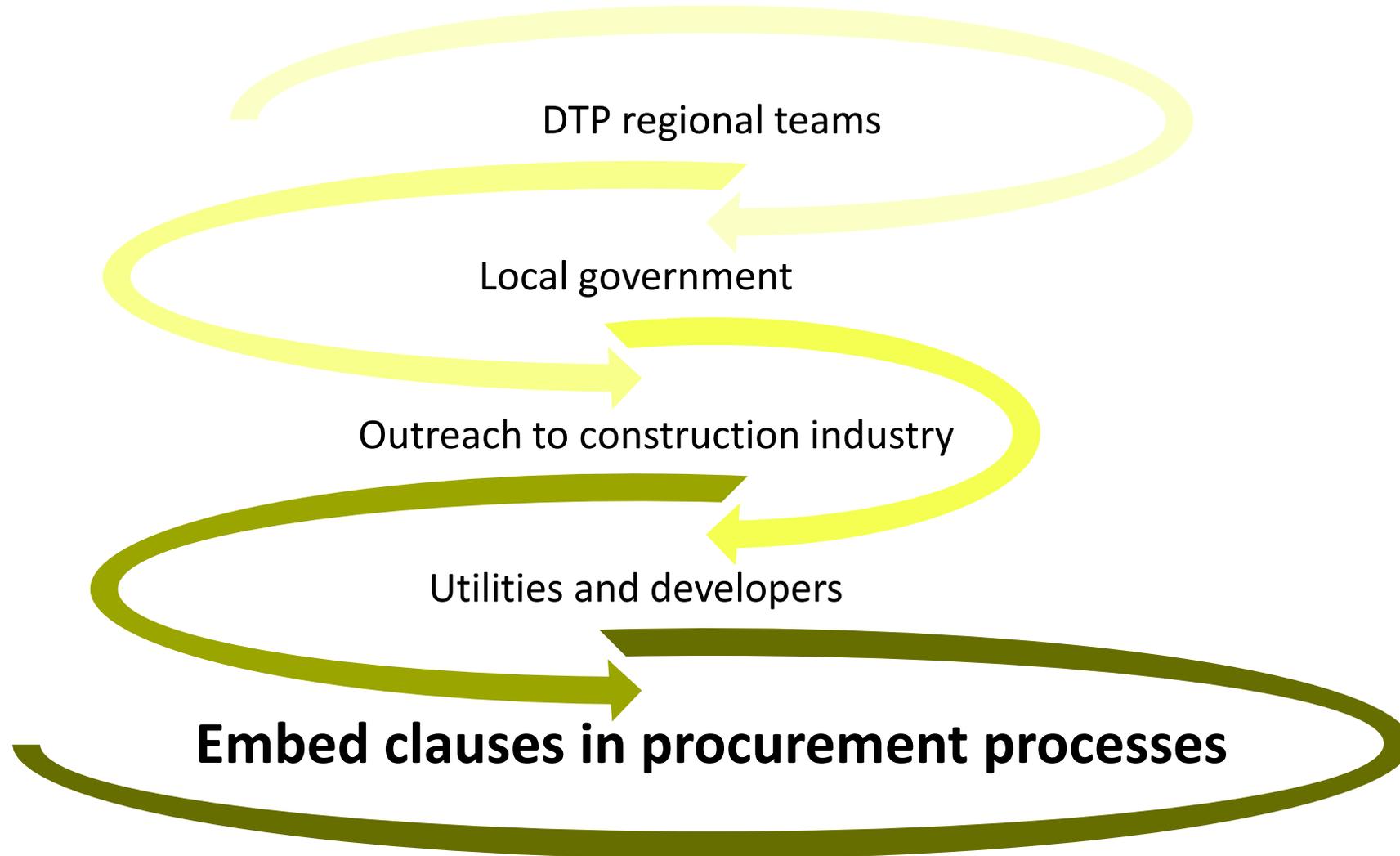


Council involvement

- VicSTig presentation: February 2023
- MAV webinar: April 2023
- Smart Futures conference stall: May 2023
- MAV Annual Conference: November 2023
- Council workshop 1: November 2023
- Council workshop 2: February 2024
- Meeting with procurement group at MAV
- Reference Group member: Geoff Oulten, MAV
- MTF presentation – April 2024



Extend reach



Resources

Victoria

<https://www.vicroads.vic.gov.au/safety-and-road-rules/road-safety-programs/construction-trucks-and-community-safety>

National - CLOCS-A

<https://clocs-a.org.au/>

National Road Safety Partnership Program

<https://www.nrspp.org.au/resources/toolboxtalks>



The background features a blurred street scene with a teal overlay on the left side. A large, dark, triangular shape is positioned on the right, containing a black and white image of a person's legs walking. The overall design is modern and geometric.

Thank you

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