

CLOCSA

Monthly Newsletter #21

A good practice approach to
protect all Australian road users



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Welcome to the CLOCS-A Newsletter!

CLOCS-A is centred around all road users sharing the responsibility for road safety in relation to construction logistics creating a win-win scenario for industry, government, truck drivers, major projects and the community

News

- We are proud to announce that CLOCS-A has been shortlisted as a finalist for the Inside Construction Foundation Safety Program Award. View [here](#).



News

- **Trucks have blind spots that make it tough to see what's happening around them**

As CJ says, "I want everyone to feel safe around trucks and understand them better, and one of the easiest things to remember is to give us space." Watch video [here](#).

Check out the [#WeALLNeedSpace](#) campaign here www.weallneedspace.com.au.



- **Infrastructure Net Zero aligns private-public collaboration for decarbonisation**

Seven private sector peak bodies and three federal agencies today have announced the launch of Infrastructure Net Zero as a joint initiative to co-ordinate, collaborate and report on Australian infrastructure's pathway to net zero. View [here](#).



- **Survey On Road Safety Campaign**

The purpose of this research is to explore the creative process of road safety campaigns, including the steps from the brief to the campaign's development and implementation, the stakeholders generally involved, and the various creative roles. View [here](#).



- **Major Traffic Contractor Announces Liquidation in WA**

Source: Fully Loaded

The major traffic contractor was ordered by the federal court last week to enter liquidation as major WA road projects could be disrupted by the collapse.

Major traffic contractor Advanced Traffic Management has announced that it has entered liquidation, leaving 400 employees jobless in Western Australia. View [here](#).

- **Cranes come down at new Footscray Hospital site**

Source: Inside Construction

Cranes have started coming down at the site of the Victorian Government's new Footscray Hospital, which was said to be home to the most cranes in the Southern Hemisphere.

Victoria's Premier Daniel Andrews and Minister for Health Infrastructure Mary-Anne Thomas toured the site last week, where the main hospital tower has now reached its maximum height, marking the completion of structural works on the main hospital tower - the final building to be 'topped out' in the new health and education precinct. View [here](#).

- **Melbourne kitchen installer fined after loaded pallet falls on man**

The worker was struck when the load struck him after falling off a pallet being carried by a forklift.

A commercial kitchen cabinet importer and installer has been fined over an incident in which a loaded pallet fell on an employee, leaving him with a fractured skull and punctured lungs.

According to WorkSafe, a forklift driver was unloading a shipping container at Melbourne company Trendgosa's warehouse in Heidelberg West in December 2021. View [here](#).



- **Auditor Qualifications:**

Auditors for the CLOCS-A standard will require a Construction Safety 'White Card'.

Yes, even CILTA hosting staff have undergone this training. If you are aspiring to be CLOCS-A auditor get your white card before doing the exam and other auditor requirements. Be prepared!!



- **Post COVID construction inputs have been crippling**

The following Table reflects the pressure that the construction industry has faced over the last two years. Irrespective of the size of the project 20% to 30% increases over the 24 month period. So post COVID-19 commodity prices did not step back to normal commodity prices, prices got worse. Imports were often restricted by shrinking shipping capacity that escalated container prices, factor increases between 7 and 10 were experienced.

Table 1: Overall Construction costs June 2021 to June 2023

Construction cost change	June 2021	June 2023	Per annum % Change	Change Over two years
Overall Changes, all inputs	125.0	157.4	12.2%	25.9%
Concret, cement, sand	108.3	131.2	10.1%	21.1%
Timber	128.8	168.7	14.4%	30.9%

The CLOCS-A team will monitor construction and trucking price changes each quarter. Next month we will look at long distance and urban trucking prices.



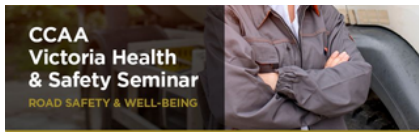
Events

- **CCAA Victoria Health & Safety Seminar**

Thursday, 31 August 2023
3:10 am to 3:35 pm AEST

Join Jerome Carslake and Karyn Welsh for a talk about CLOCS-A, working towards a new heavy vehicle standard and behavioural safety in delivering a safer work place.

View [here](#).

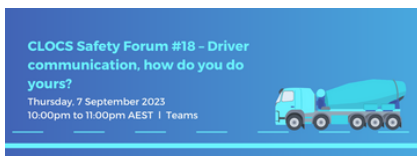


- **CLOCS Safety Forum #18 - Driver communication, how do you do yours?**

Thursday, 7 September 2023
10:00pm to 11:00pm AEST | Teams

We will be joined by Glen Davies from CLOCS Delivery Partner, The Driver Handbook who will be discussing the importance of driver communications and how both routine and time sensitive information can be delivered effectively, efficiently and easily.

Join [here](#).



- **Understanding the Impacts of Road Trauma**

Thursday, 14 September 2023
11:00 am to 12:00 pm AEST

Join us for our webinar on "Understanding the Impacts of Road Trauma: The Effects on Professional Drivers". We recognise that the consequences of serious road incidents extend beyond those directly involved, affecting families, colleagues, and society at large.

Register [here](#).



Events

- **Inside Construction Expo 2023**

20 - 21 September 2023
10:00 am to 5:00 pm AEST

Reserve your spot and showcase your products and services to a dynamic audience of industry professionals at Inside Construction Expo 2023.

Register [here](#).



- **Get Ready for the New Construction Logistics Standard**

Monday, 16 October 2023
2:30pm to 3:30pm AEST

Join this must-attend session at the upcoming [Technology and Maintenance Conference](#), as industry experts Jerome Carslake, Karyn Welsh, and Dr Kim Hassall will delve into the details of the new Construction Logistics Standard (CLOCS-A).

Register [here](#).



CLOCS-A Case Studies

Case Studies

1. Left Turn Audible Alarm

- Stakeholder: Transurban
- Focus: Preventing Left-Turn Incidents and Protecting Vulnerable Road Users in the West Gate Tunnel Project with Left Turn Audible Alarms
- Status: Undergoing industry partner review

2. Left Turn Audible Alarm

- Stakeholder: MTIA
- Focus: Left-Turn Audible Alarms: Keeping Vulnerable Road Users Safe in Australia's Largest Transport
- Status: Undergoing industry partner review. View [here](#).

3. Side Underrun Protection

- Stakeholder: Eather Group
- Focus: A Proactive Approach to Protecting Vulnerable Road Users: The Eather Group's Implementation of Side Underrun Protection Systems.
- Status: Finalised. View [here](#).

4. Fleet Management Systems (Telematics)

- Stakeholder: John Holland/CPB Contractors
- Focus: Efficient Fleet Management: How Telematics Management Systems Transformed the Rozelle Interchange Project.
- Status: Pending industry partner approval.

5. Conspicuity Markings

- Transurban.
- Focus: Improving Vehicle Visibility for Safer Roads.
- Status: Undergoing industry partner review. View [here](#).

6. Constructing the Central Station Feature Roof

- Stakeholder: Laing O'Rourke
- Focus: Design for Manufacture and Assembly - Central Station Roof
- Status: Undergoing industry partner review. View [here](#).

7. Be Truck Aware

- Stakeholder: Transport for NSW (TfNSW)
- Focus: TfNSW's Educational Campaign: Teaching the Community to 'Be Truck Aware' During Major Construction Projects.
- Status: Awaiting evaluation results.

8. Truck Ride Along

- Stakeholder: Holcim CLOCS-A, Holcim and NRSPP.
- Focus: Bridging the Gap between Heavy Vehicle Drivers and the Community.
- Status: Awaiting evaluation results

9. Contract Clauses

- Stakeholder: Sydney Metro
- Focus: Sydney Metro's Case Study Contract Clause Improving Contractor Safety Practices
- Status: Being developed

10. High Impact Risk Assessment (HIRA) TOOL

- Stakeholder: Victorian Department of Transport and Planning.
- Focus: Application of tool which can be used to assist route selection and avoid sensitive land use areas/ local roads.
- Status: Being converted into Case Study template

11. Traffic Management (St Kilda Road)

- Stakeholder: Victorian Department of Transport and Planning.
- Focus: Safety management of traffic (trucks and vulnerable road users) on a major transport supply conduit for a major infrastructure project.
- Status: Being converted into Case Study template

12. Swapping Seats

- Stakeholder: Victorian Department of Transport and Planning.
- Focus: Focused community engagement where trucks feature at public events/spaces to sit in a truck and understand what a driver can and cannot see.
- Status: Completed being converted into Case Study template

Feature: Constructing the Central Station Feature Roof Case Study

CLOCS-A Case Study - Constructing the Central Station Feature Roof: Built Three Times to Maximise Safety and Efficiency of Logistics Delivery

In 2018, Laing O'Rourke Australia Construction Pty Ltd was awarded a \$955 million contract to deliver the new Sydney Metro platforms at Central Station and Central Walk, a new underground concourse. This case study focuses on the Design for Manufacture and Assembly approach employed by Laing O'Rourke, specifically addressing the construction of the station's Northern concourse feature canopy roof.



Case Study

Constructing the Central Station Feature Roof: Built Three Times to Maximise Safety and Efficiency of Logistics Delivery

Laing O'Rourke

Key Safety Focus:

Design for Manufacture and Assembly
- Central Station Roof

In 2018, Laing O'Rourke Australia Construction Pty Ltd was awarded a \$955 million contract to deliver the new Sydney Metro platforms at Central Station and Central Walk, a new underground concourse. This case study focuses on the Design for Manufacture and Assembly (DFMA) approach employed by Laing O'Rourke, specifically addressing the construction of the station's Northern concourse feature canopy roof. This project presented notable challenges due to the tight timeline of just fourteen weeks and the site location within Australia's largest and busiest live railway station, surrounded by some of Australia's most densely populated suburbs.

Thus, this project required an innovative approach to construction and logistics and careful consideration of Safety Management. To ensure a safe and efficient completion of the Central Station roof with minimal disruptions, incidents, and injuries, Laing O'Rourke implemented a modularised construction approach.

This involved digital construction of the roof, assembly at a fabrication yard, and subsequent dismantling and transportation to the construction site. This case study explores the key implementation details of Laing O'Rourke's construction logistics approach for the Central Station roof, highlights the challenges encountered during the process, and outlines the DFMA achievements and reduction of community impacts.

Constructing the Central Station Feature Roof: Built Three Times to Maximise Safety and Efficiency of Logistics Delivery | Page 1 of 8
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Download the full Case Study [here](#).

Acknowledgements

This newsletter has been developed by the Chartered Institute of Logistics and Transport Australia (CILTA) on behalf of the CLOCS-A project.

We would like to acknowledge the CLOCS-A [Steering Group](#), [Supporting Partners](#) and NHVR HVSI Funding.

Steering Group



Supporting Partners



We invite all organisations to sign onto the CLOCS-A [Memorandum of Understanding](#), for more information please contact Karyn.Welsh@cilta.com.au CEO of [the Chartered Institute of Logistics and Transport Australia \(CILTA\)](#) and host organisation for CLOCS-A.

