

This Fact Sheet provides a summary of the key changes in the recently published Traffic control at work sites Technical Manual - Issue 6.1.

Key changes

The Traffic control at work sites (TCAWS) Technical Manual is the primary technical reference document for temporary traffic management at Transport for NSW (Transport) work sites.

It is important to note that TCAWS is only mandatory for works on construction and maintenance work sites delivered directly by Transport or on behalf of Transport by our delivery partners (e.g. contractors and subcontractors).

For any other works, the requirements of TCAWS are not mandatory. Another road authority, utility provider or contractor may still choose to use TCAWS if they have made their own assessment that it is the best way to manage their temporary traffic management (TTM) risk.

The publication of this update is part of Transport's ongoing focus on delivering best practice temporary traffic management. The key changes in Issue 6.1 of the TCAWS are:

- editorial, diagrammatic and technical amendments in response to feedback on TCAWS Issue 6.0
- new content on the use of portable variable speed limit signs (VSLS) at road work sites
- new content on roadside design that replaces the existing content on clear zones and aligns with the recent changes in the Austroads Guide to Road Design, Part 3: Geometric Design
- additional dimensioned multi message sign (MMS) designs added to the Traffic Sign Register to support the MMS technical guidance in TCAWS
- new content that provides standard image designs for displaying commonly used static TTM signs on variable message signs (VMS)

What are the changes?

The table below provides a list of changes in TCAWS Issue 6.1 with relevant references:

Section	Change
Various	Director Traffic Engineering Services changed to Director Roads and Traffic Engineering Traffic Engineering Services changed to Traffic Engineering
Foreword	The transition period for TCAWS Issue 6 concluded on 13 May 2021 so the content related to the transition period has been removed
Section 1 - Introduction	<ul style="list-style-type: none"> • 1.2.1 Exclusions – content amended • 1.3 Terms and definitions – Table 1-1 content amended • 1.4 References - Removal of superseded links
Section 2 - Temporary traffic management policy	<ul style="list-style-type: none"> • 2.4.2 Training – requirement for refresher training to be undertaken in the preceding two years has been removed
Section 3 - Traffic management planning process	<ul style="list-style-type: none"> • Table 3-1 Example client and delivery partner entities amended to reflect new business unit names within Transport
Section 4 - Inputs to a traffic management plan	<ul style="list-style-type: none"> • 4.3.3 Title changed from clear zones to roadside design. New content provided to align with the changed approach to the clear zone definition and assessment in the Austroads Guide to Road Design Part 3: Geometric Design • 4.3.4 Minimum clearances of workers to traffic – correction to clearance requirements • Table 4-3 Mandatory and recommended controls for protection of a work area – column headings amended • 4.4.3 Cyclists – content amended to clarify requirements for cyclists • 4.5.5 Implementation - Additional and amended content for sign size selection and erection of signs in Table 4-9 Speed zone implementation conditions and Figure 4-3 Minimum length zones amended • Table 4-10 Length of roadworks speed zones amended

Section	Change
Section 5 - Providing for works	<ul style="list-style-type: none"> • Table 5-4 Road names and route numbers for applicable to auxiliary lane provisions amended • 5.3.4 Working in vicinity of railway lines – amended content • 5.4.1 General amended • Table 5-11 General requirements for the use of a traffic controller amended • Table 5-13 Traffic controller minimum sight distances amended
Section 6 - Signs and devices	<ul style="list-style-type: none"> • 6.2.4 Placement and clearances of registered plant or devices – aligned with Austroads Guide to Road Design Part 6: Roadside Design, Safety and Barriers (2009) • Table 6-2 Required maximum spacing of cones and bollards – amended Note to table • Figures 6-4, 6-8 and 6-9 amended • Figures 6-10 and 6-11 renamed • Table 6-9 Permitted MMS sign dimensions and sizes amended • Figure 6-16 and 6-17 amended • Table 6-11 Requirements for ROADWORK X km AHEAD (T1–16) and BRIDGEWORK X km AHEAD (T1–29) amended • 6.6.2 Delegation and approval amended • 6.6.4 Type 1 (manual) portable traffic signal (PTS) systems amended requirements for the use of PTS devices • Displaying signs content removed from Table 6-15 Conditions of use of portable VMS displays and relocated to 6.9.1.2 Displaying signs • Table 6-16 added to provide a list of the static sign images which are permitted to be displayed on a VMS • 6.9.2 Variable speed limit signs (VSLs) – new content added on the use of VSLs • 6.10 Truck and trailer-mounted attenuators – Table 6-17, 6.10.3 Operation and 6.10.4 Host vehicle features amended • Figure 6-37 TPRS layout—boom barrier amended
Section 7 - Traffic guidance schemes	<ul style="list-style-type: none"> • Table 7-2 Dimension D calculation based on speed zone amended • 7.6.2.2 Tapers amended • Table 7-3 and 7-4 Recommended taper lengths and minimum distance between tapers - column title amended and notes for the tables added • 7.7.3.2 Closing a lane - additional requirements for motorways or other multi lane roads • Figure 7-11 Example layout - single lane operation amended

Section	Change
	<ul style="list-style-type: none"> • 7.7.3.5 Additional requirements for dual carriageway and multi-lane roads amended • Figure 7-13 Example layout - work at traffic signals with lane closure amended • Figure 7-15 Example layout – aftercare amended • Table 7-6 Principles for the design of a TGS for dynamic works – amended content on vehicle placement • Table 7-7 Note to table added • Figure 7-16 Example layout - Works convoys, 2L2W (top) amended • Figure 7-19 Example layout - continuous work amended
Section 8 - Work site inspections, recording and reporting	<ul style="list-style-type: none"> • Table 8-3 Additional requirements for TMP reviews - amended with the additional requirement of issuing a safety alert following a significant incident.

Ongoing support

For more information on any of the changes please contact standards@transport.nsw.gov.au.