

**Construction Specification
for Civil Works**

C201 – Control of Traffic

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GENERAL

C201.01 SCOPE

This Specification sets out the requirements for the management of traffic passing through and/or adjacent to the Works site. Scope includes:

- (a) Measures for the safe movement of traffic.
- (b) Use of Traffic Controllers to direct and control traffic.
- (c) Design, construction, upgrading, maintenance and removal of any temporary roadways and detour.
- (d) Provision of access to properties adjoining the work site.
- (e) Protection of workers from passing traffic.
- (f) Installation and removal of temporary signs, road markings, lighting and safety barriers.

C201.02 DEFINITIONS

The Works – Defined as follows:

- **Developer Infrastructure Works** - work includes subdivisions and any public infrastructure work associated with an approved Development in the Armidale Regional Council (ARC) local government area requiring a construction certificate.
- **Contracted Works** – infrastructure work undertaken by a Principal Contractor or subcontractor formally appointed by ARC and supervised by ARC.
- **Internal Works** - infrastructure work undertaken by ARC's day labour workforce.

The Works

Constructor – Defined as the organisation responsible for construction of the Works and the Principal Contractor as defined in the *Work Health and Safety Act 2011*.

Constructor

ARC Representative – Defined as follows:

- **Developer Infrastructure Works** – Nominated ARC officer(s) for the approved Development.
- **For Contracted Works** – the Superintendent.
- **For Internal Works** – ARC Asset Owner

ARC Representative

Constructor's Representative – Defined as follows:

- **Contracted Works** – the Principal Contractor's nominated representative as per the relevant contract.
- **Internal Works** – ARC officer responsible for delivery.

Constructor's Representative

Developer's Representative– Defined as the person or organisation appointed by the Developer to administer the Constructor responsible for the delivery of Developer Infrastructure Works.

Developer's Representative

C201.03 REFERENCES

Documents referenced in this Specification are listed in full below whilst being cited in the text in the abbreviated form or code indicated.

Documents Standards Test Methods

Where not otherwise specified in the relevant ARC Construction Specifications or the approved design drawings, the Constructor shall use the latest versions of the Reference documentation, including amendments and supplements, listed in the ARC Construction Specifications at the time of the Works approval.

Currency

(a) Australian Standards

References in this Specification or on the approved design drawings to Australian Standards are noted by their prefix AS or AS/NZS.

Australian Standards

AS 1742 - Manual of Uniform Traffic Control Devices.

- AS 1742.3 - Traffic Control Devices for Works on Roads.
- AS 1743 - Road Signs Specifications.
- AS 1744 - Standard Alphabets for Road Signs.
- AS 1906 - Retro-reflective Materials & Devices for Road Traffic Control Purposes.
- AS/NZS 4602 - High Visibility Safety Garments.

(b) Transport for NSW (TfNSW) Publications

Traffic Control at Work Sites Technical Manual.

**TfNSW
Publications**

TfNSW Supplement to Australian Standard AS 1742.

TfNSW Supplement to Australian Standard AS 1743.

(c) Legislation

Work Health and Safety Act 2017 (WHS Act).

Legislation

C201.04 TRAFFIC CONTROL PERSONNEL

Persons undertaking traffic control must have attended and be qualified by TfNSW in the traffic control training courses relevant to their role. For further information relating to the roles and training courses refer to the TfNSW Traffic Control at Work Sites Technical Manual. Evidence that the qualifications attained by Traffic Control Personnel shall be maintained by the Constructor at all times.

Personnel

Where Traffic Control is required on a classified road, the Traffic Control Company shall be registered with the TfNSW Registration scheme Category G 'Traffic Control.

**TfNSW
Registration**

C201.05 PLANNING FOR TRAFFIC CONTROL

Traffic control shall be planned in a manner that results in the least possible disruption to traffic, provided the work site can be managed in a safe manner. Where applicable, consult with the ARC Representative.

Planning

Impacts to the flow of traffic shall be considered particularly during peak periods where high traffic volumes may result in other traffic impacts as a result of slow moving traffic or queuing (i.e.: at a nearby roundabout or signalised intersection).

At all times, safe access shall be provided for vehicles, cyclists and pedestrians. The requirements for pedestrians shall be considered at all stages of the traffic control design and implementation phases. Access to adjacent properties shall be maintained

For local roads, Section 138 Roads Act Approval shall be obtained from ARC to implement the required traffic control, occupy the road to undertake the required work, and implement a temporary speed zone, where required.

**Section 138
Approval**

For classified roads, a ROL shall be obtained from TfNSW to implement the required traffic control, occupy the road to undertake the required work, and implement a temporary speed zone, where required

**TfNSW Road
Occupancy
Licence**

C201.06 TRAFFIC MANAGEMENT PLAN

A Traffic Management Plan (TMP) shall be developed for all works with the exception of the following:

**Traffic
Management
Plan
Requirements**

- (a) Local and Access Roads with less than 1,000 vehicles per day (unless prescribed by the development consent); and
- (b) Emergency works (i.e.: a burst water main).

The TMP must include the following elements:

- (a) Details of any traffic staging where applicable;
- (b) Traffic Guidance Scheme(s) (TGS) for each stage of the Works where applicable;
- (c) Vehicle Movement Plans where the proposed work involves extensive amounts

- of site traffic accessing the site. Adequate detail for vehicles and plant to enter, exit or cross the flow of through traffic is required;
- (d) Pedestrian Movement Plans where there is significant pedestrian activity that is impacted by the proposed work or traffic control arrangements;
 - (e) Provision of access to adjoining properties or side roads;
 - (f) Approval to occupy the road and temporary speed zone approvals where applicable;
 - (g) Details of any temporary roadways and detours if applicable; and
 - (h) Names and contact details of nominated personnel including the person(s) responsible for traffic control at the work site.

The person(s) nominated to have responsibility over the development and implementation of the TMP shall have adequate authority and experience to administer the TMP and implement the traffic control requirements diligently. As a minimum, the person(s) nominated as being responsible for traffic control shall hold a current Safework NSW "Prepare Work Zone Traffic Management Plan" qualification.

Responsible Person(s)

HOLD POINT

The TMP, including all the applicable details identified in C201.06, shall be submitted to the ARC Representative at least five (5) working days prior to the proposed date of commencement of site work.

Amendments to the TMP shall be resubmitted to the ARC Representative at least five (5) working days prior to implementation.

PROCESS HELD: Site Establishment and any subsequent site work.

Hold Point

It should be noted by the Constructor that the release of this Hold Point does not negate or reduce the Constructor's responsibility to implement an effective TMP. Furthermore, the release of this Hold Point does not relieve the Constructor's responsibility to review the suitability of the traffic management arrangements and TGS when implemented (or altered) for the work site.

Constructor's Responsibility

The Constructor, as the Persons Conducting a Business or Undertaking (PCBU) as per the *WHS Act* is deemed responsible for the safety of the traffic management and traffic control arrangements on the PCBU's work site.

ARC reserves the right to request the Constructor to obtain a third-party Road Safety Audit of the traffic management arrangements. The cost of the Road Safety Audit shall be borne by the Constructor.

C201.07 TRAFFIC GUIDANCE SCHEMES

A site-specific TGS shall be developed by a person who holds a current Safework NSW "Implement Traffic Control Plans" qualification.

The following details are required to be shown on all TGS:

- (a) Types and locations of permanent regulatory (R series) and warning (W series) signs;
- (b) Types and locations of temporary signs (T series) including advance warning signs and variable message signs (VMS);
- (c) Locations of permanent and temporary traffic signals;
- (d) Locations of any required Traffic Controllers;
- (e) Locations and lengths of taper and safety buffer areas;
- (f) Locations of safety barrier systems including end terminals;
- (g) Pedestrians and shared paths (cyclists and pedestrians);
- (h) Locations of entry and exit gates to work areas, individually numbered and signposted;
- (i) Details of access to adjoining properties, car parking areas, and side roads;

Traffic Guidance Scheme Requirements

- (j) Pavement marking details, including types of delineation required, turning arrows, stop/holding lines and other road markings, types and positions of raised pavement markers and other delineation devices; and
- (k) Locations of temporary lighting.

The TGS must be signed and dated by the person who has developed and approved the TGS. The signature shall be accompanied by the person's full name and TfNSW Registration Number.

HOLD POINT

Where a TGS has not been submitted with the Hold Point for the TMP, a separate Hold Point shall be submitted to the ARC Representative for all new or amended TGS at least five (5) working days prior to implementation.

PROCESS HELD: Implementation of a new or modified TGS.

Hold Point

The effectiveness of the traffic management and control measures shall be assessed and checked at regular intervals. The proposed intervals shall be detailed in the TMP and shall comply with the *TfNSW Traffic Control at Work Sites Technical Manual*. Detailed records of the inspections shall be kept on site and compiled with the Works Records. The checks must be undertaken by a person who has a current Safework NSW "Implement Traffic Control Plans" qualification.

**Regular
Monitoring**

C201.08 TRAFFIC CONTROL DEVICES

All traffic control devices shall be planned, installed and implemented in accordance with AS 1742 and the *TfNSW Traffic Control at Work Sites Technical Manual*. The devices where references should be made (but not limited to) include:

**Device
Compliance**

- (a) Safety Barriers.
- (b) Pavement markings and signs (including the procedures for adequate removal).
- (c) Portable variable message signs.
- (d) Radar activated speed signs.
- (e) Portable traffic signals.

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