

Engineering Construction Specification C03 Control of Traffic

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This document is a modified version of AUS-SPEC 1101
Traffic Management October 2018 version

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1 General

1.1 Responsibilities

1.1.1 General

Traffic management: Provide management for the safe movement of traffic and the protection of persons or property through and/or around the work site. Construct the Works with the least possible obstruction to traffic.

Authority requirements: This worksection does not override any applicable State or Local Government legislation and is to be read in conjunction with AS 1742.3 and the applicable State Road Authority traffic management specification.

Designer: The designer of the Traffic Control Plan shall be qualified with the RMS and hold a current "Prepare a Work Zone Traffic Management Plan" Qualification. Authority requirements: The Contractor shall obtain all necessary approvals from Council. Council will only accept Traffic Control Plans designed by a qualified designer. The TCP must be signed by the designer, list the designer's certificate number, be given an identifying number and be dated.

1.2 Cross references

1.2.1 General

Requirement: This worksection is not a self-contained specification. In addition to the requirements of this worksection, conform to the following:

- *C01 General requirements (Construction)*
- *C02 Quality management (Construction)*
- *C04 Control of erosion and sedimentation (Construction)*
- *C05 Clearing and grubbing*
- *C06 Earthworks (Road reserve)*
- *C08 Flexible pavement base and subbase*
- *C09 Sprayed bituminous surfacing*
- *C10 Asphalt (Roadways)*
- *C21 Non-rigid road safety barrier systems*
- *C23 Stormwater drainage (Construction)*
- *C24 Open drains*
- *C25 Pipe drainage*
- *C27 Drainage structures*

1.3 Standards

1.3.1 General

Traffic control: To AS 1742.3 for works on or adjacent to roads

1.4 Interpretation

1.4.1 Definitions

General: For the purposes of this worksection the following definitions apply:

- **Competent person:** A person who has, through a combination of training, qualification and experience, acquired knowledge and skills enabling that person to correctly perform a specified task.

- Road safety barrier system: A physical barrier separating the work area and the travelled path, designed to resist penetration by an out of control vehicle and as far as reasonably practicable, to redirect out of control vehicles back into the travelled path.
- Traffic control plan (TCP): A drawing showing signs and devices arranged to warn traffic and to guide it around, past or, if necessary, through a work site or temporary hazard.
- Traffic controller: A person whose duty is to control traffic at a work site.
- Traffic management plan (TMP): A set of procedures, which may include drawings, showing how traffic is to be managed during construction. The plan describes the proposed work activities, their impact on the roadway and road users, and how these impacts are being addressed.
- Vehicle movement plan (VMP): A drawing showing the preferred travel paths for vehicles associated with a work site entering, leaving or crossing the through traffic stream.

1.5 Submissions

1.5.1 Authority approvals

Requirement: Submit details of all authority approvals before commencing the works for which the approval is granted, including the following:

- Plan(s): Submit evidence of approvals from Councils and other authorities for temporary traffic arrangements.

Temporary speed zoning: Submit evidence of approval of temporary speed zoning requirements from the Local Traffic Committee and/or State road authority.

1.5.2 Execution details

Plan(s): Submit the plan(s) as required in **ANNEXURE – PROJECT PLAN REQUIREMENTS** conforming to the following:

- Plan requirements: Conform to PRE-CONSTRUCTION PLANNING, as appropriate.
- Access: Include proposal of alternative access to roads and properties for vehicles and pedestrians for work affecting side roads and existing accesses.
- Construction under traffic: If required, include traffic arrangements details and methods for traffic control.

1.5.3 Records

Traffic controllers: Submit names of proposed traffic control personnel with a signed declaration that they are appropriately trained in the traffic control duties to AS 1742.3 clause 4.10.6. A road occupancy licence must be issued by the appropriate authority.

1.6 Inspections

1.6.1 Notice

General: Give notice so that inspection may be made of the following:

- Temporary roadways and detours: Completed stormwater drainage, wearing surface and linemarkings, and street lighting.
- Traffic control signs and devices: Completed installation including signals, safety barriers and containment fences.
- Plant delineation: If plant encroaches on traffic travel paths, completed installation of warning devices.
- Access: Completed alternative access for vehicles and pedestrians.

- Opening temporary roadways and detours to traffic: Completed roadway/detour and associated control measures.
- Opening completed work: Reinstatement of the area affected by the Works.

2 Pre-construction planning

2.1 Traffic management

2.1.1 Traffic management plan (TMP)

Plan components: Prepare a TMP with the following:

- Traffic staging plan: If required, include details of the traffic staging arrangement and the time periods when each stage is in operation.
- Identify level of management provisions.
- Risk assessment: Identify and address risks associated with road safety, traffic management and road network issues specific to the site.
- Traffic control plan(s).
- Vehicle movement plan(s) showing travel paths for vehicles including for delivery, personnel and contractor's vehicles.
- Provisions for access to adjoining properties affected by the Works.
- Safe passage measures for workers/personnel, pedestrians and cyclists.
- Temporary speed zoning changes.
- Design drawings for temporary roadways and detours, including alignment and surface levels, pavement width and cross section, wearing surface and drainage details.
- Names and contact details of personnel responsible for the maintenance of traffic control devices and temporary roadways outside normal working hours. Include evidence that these details have been provided to the local police.

Plan preparation: Use a person holding a current qualification in Prepare Work Zone Traffic Management Plans. Complete the TMP.

Site copy: Keep a copy of the approved TMP on-site at all times. Use the plan for maintaining traffic control devices and to check traffic arrangement.

2.1.2 Level of management provisions

Requirement: Conform to one of the following levels of provisions to AS 1742.3 clause 2.2.1:

- Short term and mobile works not involving full or part road closure.
- Works involving relatively simple part-roadway closures.
- Works involving complex traffic arrangements or staged works or both.

2.1.3 Traffic control plan (TCP)

Requirement: Prepare a TCP showing the following, as appropriate:

- Types and locations of permanent regulatory and advisory signs.
- Types and locations of temporary signs, including advance warning signs and speed zone signs.
- 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.
- Locations of permanent and temporary traffic signals.
- Locations and lengths of tapers and buffer zones.

- Locations of traffic controllers.
- Locations of entry and exit gates to the working areas, individually numbered and signposted.
- Pedestrians and cyclists paths.
- Details of side roads and access for adjoining properties and parking.
- Locations of safety barriers, barrier systems and end terminals.
- Locations of temporary lighting.

Road Authority delegation: Ensure that persons preparing or approving a TCP have Road Authority delegation.

2.1.4 Signage

Signage application/function: In the TCP, provide signs for the following:

- Protection of workers.
- To adequately warn of changes in surface condition and the presence of personnel or plant engaged in work on the road.
- For safely guiding road users through, around or past the work site.

2.1.5 Safety barriers

Location: To AS 1742.3 clauses 2.4.5 and 3.10.3, and at temporary embankments where the vertical height between the edge of the shoulder and the intersection of the embankment slope and natural surface exceeds 2 m.

Temporary embankment barriers: Corrugated steel or precast concrete safety barriers.

2.1.6 Road safety audit

Safety audits: If required, arrange for a commencement meeting, with the road safety auditor present, before implementing any traffic control measure to determine inspection points for auditing.

Audit report: After auditing of the TMP/TCP and receipt of the audit report, obtain directions for amending the plan documents. If amendment is required, obtain approval of revised documents before implementing control measures.

2.2 Temporary roadway design

2.2.1 Design standards

Requirement: If temporary roadways and detours or adjustments to existing lane configurations are required, design roadways conforming to the following:

- Design parameters: To ANNEXURE – TEMPORARY ROADWAYS and the recommendations of Austroads AGRD03 for alignment and grading.
- Intersections, interchanges and crossings: To the recommendations of Austroads AGTM06.

2.2.2 Stormwater drainage

Design frequency: Provide drainage system to prevent run-off water overflowing on the road surface in any storm of intensity less than 1 in 5 year occurrence. Make sure the drainage system does not cause water ponding at any point.

Pavement drainage: Provide pavements with wearing surface and/or shoulders which will not pond water. Make sure temporary formations do not dam water.

2.2.3 Wearing surface

Wearing surface properties: Firm, even and skid resistant under all weather conditions and remain structurally sound during use.

Jointing to existing work: Extend wearing surface to the connecting roadway so that the finish is flush with existing roadway.

2.2.4 Design drawings

Requirement: Prepare drawings showing the following:

- Alignment and grading at a horizontal scale of 1:2000 for rural roads and 1:500 for urban roads, extending 100 m beyond the limits of the temporary roadway/detour.
- A sight distance diagram if opposing traffic is to use a single carriageway.
- Intersections, and other locations where traffic may be required to make turning, merging or diverging movements, at a scale of 1:500.
- Pavement type, including wearing surface, base and subbase details.
- Details of pavement markings, signposting, safety barrier and traffic control devices at a scale of 1:500.
- Sufficient cross-sections to indicate the feasibility of making connections between various parts of the Works.
- Sufficient dimensions, especially lane widths, showing clearly the geometry and clearances of the Works.
- Roadside furniture.
- Stormwater drainage, including culverts and pits.
- Street lighting details, as appropriate.

3 Materials

3.1 Signs

3.1.1 Standards

Sign selection: To AS 1742.3.

Manufacturing of signs: To AS 1743.

Details of each letter: To the figures in AS 1744.

Retroreflective materials: Class 1 material conforming to AS/NZS 1906.1.

Sign size: To AS 1742.3 Tables 3.1 to 3.12, the figures in AS 1743 and **ANNEXURE – SUPPLEMENTARY TEMPORARY WARNING SIGNS**.

Signs for night work: If work area is outside of the car headlight beams, provide floodlighting to AS 1742.3 clause 2.4.3.

Flashing arrow signs: To AS 4192 and installed to AS 1742.3 clause 3.12.

Dynamic message and road weather information: To SA TS 5719.

3.1.2 Other work site approach/departure signs

Signs supplementary (ST/SW) to those in AS 1742.3 and AS 1743: To **ANNEXURE –SUPPLEMENTARY TEMPORARY WARNING SIGNS**.

Application: Provide warning signs as follows:

- Heavy machinery crossing: SW5-22.
- Cycle hazard grooved road: ST1-10 and T1-10 to AS 1743 if the road is grooved and is a hazard to cyclists.

- Tar spraying possible short delay: T3-11 to AS 1743 for bituminous surfacing works.
- Changed traffic conditions ahead: T1-1, T1-6, T1-23, T2-6 and T2-23 to 25 to AS 1743 on long term works, side tracks and detours.

3.2 Barriers and fencing

3.2.1 Barrier boards

Size, placement, material/colour: To AS 1742.3 clause 3.8.3(a).

Trestle supports:

- Material: Timber, metal or other suitable material.
- Colour: Yellow.
- Stability: Keep trestle in place with concrete blocks or sandbags.
- Bases: Keep the bases of trestles within the ends of the barrier boards.

Warning lamps: Provide barrier boards or trestles which allow for the mounting of traffic warning lamps.

3.2.2 High visibility flexible mesh fencing

Plastic mesh fencing: To AS 1742.3 clause 3.10.1(b).

Application: fencing for pedestrian containment or containment of workers.

Support: Fastened to steel star pickets/posts with cable ties or drawstring.

Location: As documented in the TCP.

3.2.3 Safety barriers

Road safety barrier systems: To AS/NZS 3845.1.

3.2.4 Temporary delineators

Material and erection: To AS 1742.3 clause 3.9.2 and 2.5.2.

Location: Erect parallel to and in close proximity to traffic, as documented.

3.2.5 Boom barriers

Type and location: As documented.

3.2.6 Cones and bollards

Requirement: To AS 1742.3 clause 3.9.1.

Spacing: To AS 1742.3 Table 3.7.

Conditions of use: Unless cones are firmly fixed in position, use only while work is in progress or in locations where an employee is present to re-instate cones dislodged by traffic. Otherwise, use bollards or barriers.

Cones and bollards used under night conditions: Provide cones and bollards with retroreflective bands conforming to AS 1742.3.

3.3 Linemarkings

3.3.1 General

Existing linemarking: To AS 1742.3 clause 3.9.4 (a) and (b) for the period of work.

Temporary linemarking: To AS 1742.3 clause 3.9.4 (c), (d) and (e).

Superseded raised pavement markers: Remove immediately.

Edge lining: Where the adjoining roadway is edge lined, edge line temporary roadway to match.

3.3.2 Temporary linemarking

Type: If temporary marking is required on the final wearing surface, use pavement marking tape.

Maintenance:

- Generally: If the pavement linemarking is deemed ineffective, re-mark within 48 hours.
- Raised pavement markers: If markers are deemed ineffective, replace within 24 hours.

3.3.3 Arrows

Single carriageway: If opened adjacent to or is used in lieu of an existing dual carriageway length, place pavement arrows showing the direction of traffic flow spaced at 500 m maximum.

Remove arrows: Remove arrows when the section is reincorporated as a dual carriageway.

3.4 Traffic signals

3.4.1 Portable traffic signals

Signal system: To AS 4191.

Application, installation and operation: To AS 1742.3 clause 4.11.

3.4.2 Temporary fixed traffic signals

Design and installation of signal system: To AS 1742.14.

Application: Longer term shuttle operations or for non-shuttle control of intersecting traffic flows.

3.4.3 Traffic warning lamps

Application: To AS 1742.3 clause 3.11.

Lamp maintenance: Clean lamps and make sure they are in good working order, and correctly aligned and positioned for the direction of traffic flow each night, before leaving the site.

4 Execution

4.1 General

4.1.1 Traffic management

Requirement: Provide the following, as documented:

- Personnel, plant and traffic control devices.
- Temporary roadways and detours.
- Arrangement for traffic.

Safety: Provide traffic control measures with minimal safety risk and inconvenience to the workers and road users at all times, including pedestrians and cyclists.

4.1.2 Road safety audits

Construction phase auditing: If safety audits are required, obtain agreement for inspections and arrange for a road safety auditor to inspect the traffic control measures during daytime and night time conditions at the inspections points. If the measures are ineffective, revise the TMP and implement the appropriate measure.

Auditing procedures: To Austroads AGRS06.

Revisions to the TMP: Obtain agreement for amendments/decisions, and document and implement the amendments.

4.2 Side roads and property accesses

4.2.1 Access

Requirement: Provide safe and convenient passage for vehicles, pedestrians and stock to and from side roads and property accesses connecting to the roadway.

4.2.2 Notice to property owners

Vehicular access: Where access is required, due to particular construction activities, conform to the following:

- Obtain approval.
- Advise the property owners with a letter drop at least 24 hours before the interruption.
- Repeat this advice verbally to the property owner in a courteous manner.
- Keep interruptions to a minimum.

4.3 Personnel

4.3.1 Traffic controllers

Application, equipment and position: To AS 1742.3 clause 4.10.

Recognition marks: Controllers to wear a distinguishing mark on their outer garment indicating their authority.

Location of traffic controllers: Place to AS 1742.3 and as follows:

- One traffic controller at the head of each traffic queue whilst it is halted.
- An additional traffic controller at the tail end of the queue where there is restricted sight distance and the possibility of approaching traffic colliding with the tail of the queue.

Where both ends of the work are not intervisible: Provide the traffic controller at each end with a two-way radio. Where this is not possible, station an intermediate traffic controller at a location where the extremities of the work is visible to provide cues to both controllers.

Night work control: In conjunction with a STOP/SLOW hand bat, use an illuminated red cone wand (torch) with a minimum capacity of 30,000 candela.

Night time lighting of traffic controller and work area: If floodlighting of the traffic controller and the work area adjacent is required, position floodlights above the work area, directed downwards and inclined slightly to illuminate the face of the STOP/SLOW bat.

- Floodlighting and glare: Make sure lights do not create glare for approaching drivers.
- Effects on neighbouring properties: Make sure high lighting levels do not adversely affect neighbouring residential property.

4.3.2 Approved clothing for work personnel

Clothing and use: To AS 1742.3 clause 3.16.4.

Potentially flammable clothing: Do not wear close to work likely to generate flame or hot splatter/molten metal.

4.4 Plant and control devices

4.4.1 Plant delineation

Plant and equipment: Where plant and equipment encroaches on traffic travel paths, direct traffic around encroachment as follows:

- In daylight conditions: Attach a fluorescent red flag to the outer end of the projection.

- In night or poor light conditions: Provide an additional traffic controller with an illuminated red wand.

Night time clearance: If traffic is permitted to use the whole or part of the existing road, remove all plant items and similar obstructions from the normal vehicle path to provide minimum 6 m lateral clearance where practicable, with minimum 1.2 m clearance of other dimensions.

Warning lamps: Light plant and equipment within 6 m of the normal vehicle path with minimum two yellow steady lamps suspended vertically from the point of obstruction nearest to a traffic lane, and one lamp at each end of the obstruction on the side furthest away from the traffic lane.

4.4.2 Traffic control signs and devices

Arrangement and placement of traffic control devices: To the approved Traffic control plan.

Signs no longer required: Cover and/or remove temporary control devices no longer required without delay to maintain unambiguous safe guidance to traffic.

Control device maintenance: Maintain control devices so that they are in good working order and in the correct positions day and night. Maintain signs so that they are neat, clean, clear and legible.

Non-conforming signs and devices: Repair or replace to AS 1742.3 clause 2.6.3.

Sign installation: To AS 1742.3 clause 2.1 (i) to (vii) and clause 4.7.5.

4.4.3 Temporary speed zoning

Requirement: If temporary speed limit has been approved by the Local Council Traffic Committee or State Road Authority, provide temporary speed zoning signs complete with posts and fittings.

Speed limit: To AS 1742.3 Table 4.7 and the applicable State Road Authority specification.

Temporary speed zoning signs: Erect signs, cover the signs when the speed zone is not in use, and remove the signs when the speed zone is no longer required.

Operation diary: Keep a diary recording operation times of the speed zone.

4.5 Temporary roadways and detours

4.5.1 Stormwater drainage

Requirement: Construct drainage system, as appropriate for the approved temporary roadway design, conforming to the following worksections:

- *C24 Open drains*
- *C23 Stormwater drainage (Construction).*
- *C25 Pipe drainage*
- *C27 Drainage structures*

4.5.2 Temporary roadways

Requirement: Construct temporary roadways conforming to the following worksections:

- *C04 Control of erosion and sedimentation (Construction).*
- *C05 Clearing and grubbing.*
- *C06 Earthworks (Road reserve).*
- *C08 Flexible pavement base and subbase.*

Temporary kerbing: If required for long term works as temporary medians, traffic islands or pavement edges, provide kerbing conforming to the following:

- Height: Maximum 150 mm.
- Securely fastened to the pavement.
- Clearly delineated.

- As seen by the approaching traffic is a 150 mm wide continuous line.
- **KERB AND CHANNEL (GUTTER)** in *C24 Open drains*.

4.5.3 Wearing surface

Requirement: Construct surfacing, as appropriate for the approved temporary roadway design, conforming to one of the following:

- *C09 Sprayed bituminous surfacing*.
- *C10 Asphalt (Roadways)*.

Width of the wearing surface: As documented or the width of the traffic lanes plus the width of each shoulder.

4.5.4 Road safety barrier

Location: As documented on the TCP.

Corrugated steel or precast concrete safety barriers: If required, install conforming to the following worksection, as appropriate:

- *C21 Non-rigid road safety barrier systems*.

Water-filled plastic barriers: Use in locations where rigid barriers are not allowed, such as at corners or intersections.

- Buffer zone: Provide the manufacturer's recommended buffer zone on the approach side of water-filled barriers.
- Water level: Maintain the required level for all water ballasted safety barriers at all times.

4.5.5 Opening temporary roadways and detours to traffic

Requirement: Complete all signposting, pavement marking, safety barriers and portable or temporary traffic signals before opening the temporary roadways to traffic.

Traffic switch: Traffic switch to a temporary roadway or detour is only permitted if the usual workforce will be on site for two days minimum thereafter.

Retaining existing roadway: Arrange the opening of temporary roadways so that sections of the existing roadway being replaced are not disturbed for minimum 48 hours so that traffic can be redirected back onto the existing roadway in the event of temporary roadway failure.

Approval to open roadway: Do not open temporary roadways and detours (including portable or temporary traffic signals sites) to traffic without written approval.

Maintenance during construction: Maintain road surface of temporary roadways and detours and any local roads used by the construction traffic so that it is safe for traffic, including:

- Maintaining existing pavement linemarkings, kerb and gutters, road shoulders and verges, drainage, signage and vegetation.
- Repairing potholes, surface drainage blockages or other failures without delay.
- Removing debris without delay.

Removal and restoration: Upon completion of the Works, remove the temporary roadways and/or detour arrangement and restore the area affected by the Works to a condition equivalent to that before commencement.

4.6 Construction under traffic

4.6.1 Arrangement for traffic

Permission to construct under traffic: If a temporary roadway or a detour is not provided or available, construction under traffic may be permitted, if the following is provided:

- Through traffic on a two lane roadway: Minimum 3.5 m lane width.

- Multilane roads: Minimum 3.5 m lane width in both directions.

Notification: Give minimum 5 working days' notice before carrying out work.

Carriageway restoration: Restore carriageway to a safe and trafficable state for through traffic before ceasing work each day.

4.7 Opening to traffic

4.7.1 Opening completed work

Notice: Provide at least 10 working days' written notice of the date of opening the Works to traffic. Obtain agreement for the procedure for opening including with the local Police.

Permanent signs and markings: Complete all permanent signposting, pavement markings, safety barriers and traffic signals required to complete the Works before opening to traffic.

Removal of temporary traffic control devices: Remove all temporary control devices no longer required for the safety of traffic, when part or all of the Works are opened to traffic.

Restoration: Restore the area to a condition equivalent to that at commencement.

5 Annexures

5.1 Annexure – Project plan requirements

Plan type	Required?*	
Traffic management plan (TMP)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Traffic control plan (TCP)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Traffic staging plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Road safety audit of TMP/TCP	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Vehicle movement plan (VMP)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
*Check the box applicable for the project.		

5.2 Annexure – Temporary roadways

5.2.1 Roadways design parameters schedule

Property	Minimum value/required?*	
Design travel speed (km/hr)		
Traffic lane width (m)		
Shoulder width (m)		
Shoulder seal	Yes* <input type="checkbox"/>	No* <input type="checkbox"/>
*Check the box applicable for the project.		

5.2.2 Roadways materials schedule

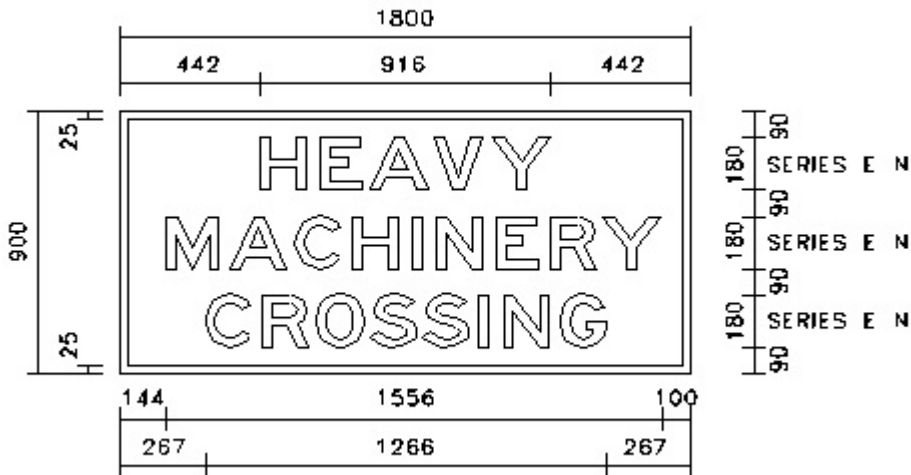
Pavement layer	Type/material	Minimum thickness (mm)
Wearing surface		
Base		
Subbase		

5.3 Annexure – Supplementary temporary warning signs

Sign SW5-22

Dimensions: In mm.

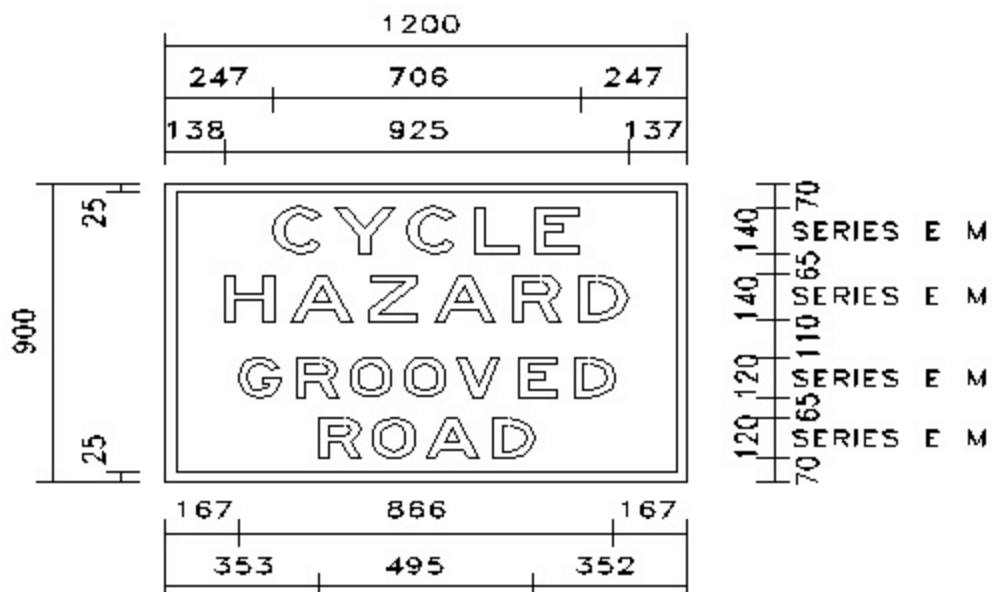
Colours: Black letters and border on yellow retroreflective background.



Sign ST1-10

Dimensions: In mm.

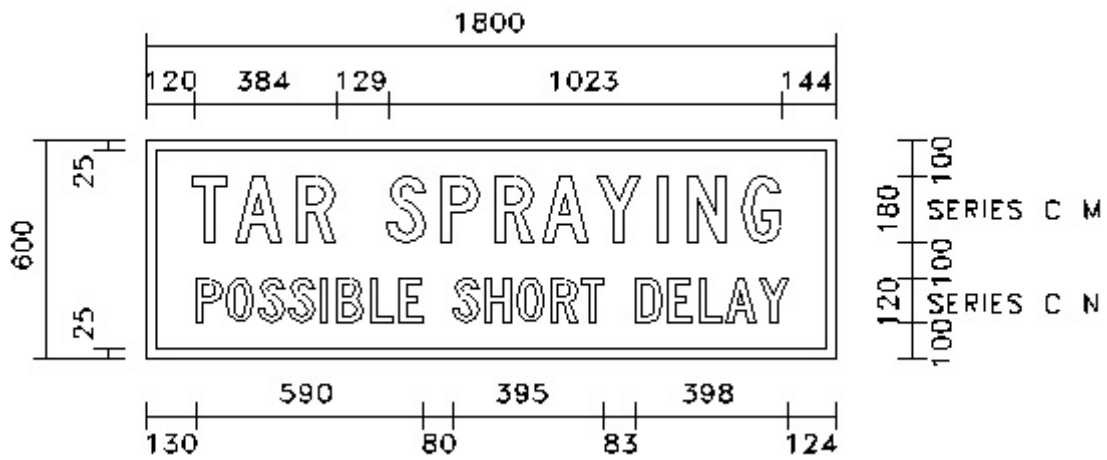
Colours: Black letters and border on yellow retroreflective background.



Sign ST3-1

Dimensions: In mm.

Colours: Black letters and border on yellow retroreflective background.



5.4 Annexure – Summary of hold and witness points

Reference No:	Clause and description	Type*	Submission/Inspection details	Submission/Notice times	Process held
C03-HP01	SUBMISSIONS, Traffic Management Plan Approval Plan(s)	H	Evidence of approval of Traffic Management Plan with documents and plans from the Road Authority.	2 weeks if pavement/drainage works are NOT required. 4 weeks if pavement/drainage works ARE required.	Prior to Commencement.
C03-HP02	SUBMISSIONS, Authority approvals Temporary speed zoning	H	Evidence of approvals for changes to speed zoning.	5 weeks before implementation.	Implementation of speed zoning.
C03-WP03	INSPECTIONS, Implementation of approved TMP	W	Implementation is inline with TMP.	To be undertaken when set out is completed and randomly to ensure compliance	
C03-WP04	INSPECTIONS, Notice Temporary roadways and detours	W	Completed roadway/detour construction.	3 days before installing control signs and devices	-
C03-WP05	INSPECTIONS, Notice Traffic control signs and devices	W	Completed installation of signs and devices.	1 day before opening to traffic	-
C03-WP06	INSPECTIONS, Notice Access	W	Completed alternative access.	1 day before opening to traffic	-
C03-WP07	INSPECTIONS, Notice Plant delineation	W	Completed warning devices installation.	1 day before opening to traffic	-
C03-WP08	INSPECTIONS, Notice Temporary roadways and detours	W	Completed roadway/detour.	3 days before opening to traffic	Opening to traffic
C03-HP09	INSPECTIONS,	H	Reinstated area affected	4 days before	Opening of

Reference No:	Clause description and	Type*	Submission/Inspection details	Submission/Notice times	Process held
	Notice Opening completed work		by the Works.	switching traffic	completed work to traffic, For development inspections book through "MyInspect"
*H = Hold Point, W = Witness Point					

5.5 Annexure - Referenced documents

The following documents are incorporated into this worksection by reference:

AS 1742		Manual of uniform traffic control devices
AS 1742.3	2009	Traffic control for works on roads
AS 1742.14	2014	Traffic signals
AS 1743	2018	Road signs - Specifications
AS 1744	2015	Standard alphabets for road signs
AS 1906		Retroreflective materials and devices for road traffic control purposes
AS/NZS 1906.1	2017	Retroreflective sheeting
AS/NZS 3845		Road safety barrier systems and devices
AS/NZS 3845.1	2015	Road safety barrier systems
AS 4191	2015	Portable traffic signal systems
AS 4192	2006	Illuminated flashing arrow signs
Austrroads AGRD		Guide to road design
Austrroads AGRD03	2016	Geometric design
Austrroads AGRS		Guide to road safety
Austrroads AGRS06	2009	Road safety audit
Austrroads AGTM		Guide to traffic management
Austrroads AGTM06	2017	Intersections, interchanges and crossings
SA TS 5719	2017	Communications protocol for dynamic message signs and road weather information systems