

Signing for Clearances under Bridges, Underpasses and Structures



TRAFFIC MANAGEMENT Operational Instructions

Signing under Bridges, Underpasses and Structures - 2.33

AMENDMENT RECORD

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1. SCOPE

This Operational Instruction details signing to be used for clearance under bridges, underpasses and structures on Department for Infrastructure and Transport (DIT) roads.

2. BACKGROUND

Legal Maximum Vehicle Height Limits for all vehicles are set by various legislative requirements. The following provides a summary of the heights and the relative legislation:

Vehicle	Max. Height	Legislation
Buses, coaches, rigid trucks and articulated vehicles	4.30m	Heavy Vehicle (Mass, Dimension and Loading) National Regulation Schedule 6, Section 8
Double Decker Buses	4.40m	
A vehicle built to carry cattle, horses, pigs or sheep, or a vehicle built with at least 2 decks for carrying vehicles	4.60m	
Over-Dimensional (OD) loads	4.90m	OD loads can operate under a notice (either national notice, transitional notice, state HNVL notice) or permit based scheme obtained from National Heavy Regulator (NHVR)
	Greater than 4.90m	Can only operate under a permit granted by NHVR

Note: the above applies to heavy vehicle categories with a gross vehicle mass (GVM) greater than 4.5 tonnes. Vehicles with a GVM of 4.5t or less are referred to as light vehicles and are covered under *SA Road Traffic (Light Vehicle Standards) Rules 2018*, Rule 67

**SA Road Traffic
(Light Vehicle
Standards)
Rules 2018**

3. SIGN INSTALLATION

<p>This Operational Instruction is based on the Australian Standard AS 1742.2 - <i>Manual of Uniform Traffic Control Devices Part 2: Traffic Control Devices for General Use</i> (AS1742.2-2022).</p>	<p>AS1742.2:2022</p>
<p>3.1 Low Clearance Regulatory Sign</p> <p>The regulatory sign LOW CLEARANCE...m (R6-11) sign shall be installed on all bridges, underpasses, and other structures where the safe vertical clearance above the road pavement is less than or equal to 4.60 m.</p> <p>The sign shall be attached to the structure and over the centre of the carriageway to face approaching traffic.</p> <div data-bbox="490 697 1071 877" data-label="Image"> </div> <p>R6-11</p>	<p>AS1742.2-2022 Section 4.5.6.1(g)</p>
<p>3.2 Low Clearance Warning Sign</p> <p>The warning sign LOW CLEARANCE...m (W4-8) shall be used in conjunction with R6-11 and shall be located in advance of the structure in accordance with Dimension A of Table D.1 for “Must or may need to stop” situations.</p>	<p>AS1742.2:2022</p> <div data-bbox="1279 1077 1469 1260" data-label="Image"> </div> <p>W4-8</p>

4. CLEARANCE REGULATORY SIGN

The regulatory sign CLEARANCE...m (R6-12) sign **shall** be installed on all bridges, underpasses, and structures where the safe vertical clearance is **greater than 4.60 m high but less than 5.00 m**. Advance warning signs are not used in this case.

AS1742.2-2022
Section
4.5.6.1(h)



R6-12

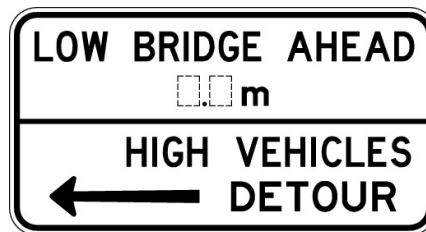
Any bridges, structures and underpass equal to or greater than 5.00 m high shall not be signed.

A maximum safety tolerance of 100 mm shall be applied where R6-11 and R6-12 signs installed.

R6-11 and R6-12 signs shall show a clearance in metres to the nearest 0.1 m below the measured safe clearance.

4.1 Low Bridge Ahead ...m High Vehicles Detour Regulatory Signs

Signs LOW BRIDGE AHEAD...m, HIGH VEHICLES DETOUR (G9-3), (G9-5-1) signs **shall** be installed along the route to provide a suitable detour to avoid all low clearance structures i.e. **equal to or less than 4.6 m**.



G9-3 (L)



G9-5-1(L)