

# 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

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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	4.30 m	Heavy Vehicle (Mass, Dimension and Loading) National Regulation Schedule 6, Section 8
Double Decker Buses	4.40 m	
A vehicle built to carry cattle, horses, pigs or sheep, or a vehicle built with at least 2 decks for carrying vehicles	4.60 m	
Over-Dimensional (OD) loads	4.90 m	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 4.90 m	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

## 3. Sign Installation

This Operational Instruction is based on the Australian Standard AS 1742.2 - *Manual of Uniform Traffic Control Devices Part 2: Traffic Control Devices for General Use* (AS1742.2-2009).

### 3.1 Low Clearance Regulatory Sign

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** (refer to AS1742.2-2009 clause 4.6.6.1(g)).

The sign shall be attached to the structure and over the centre of the carriageway to face approaching traffic.



R6-11

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### 3.2 Low Clearance Warning Sign

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 the table shown below.

V <sub>85</sub> (Km/h)	Distance to bridges, structures and underpasses (m)
<75	80-120
75-90	120-180
>90	180-250



W4-8

## 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** (refer to AS1742.2-2009 clause 4.6.6.1(h)). Advance warning signs are not used in this case.



R6-12

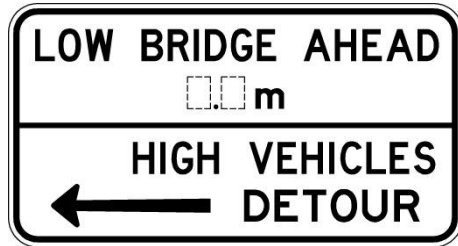
Any bridges, structures and underpass equal to or greater than 5.00 m high shall not be signed.

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)

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