

Operational Instruction

20.28

Stock Grids on Roads



Government of South Australia

Department of Planning,
Transport and Infrastructure



TRAFFIC MANAGEMENT Operational Instructions

Stock Grids on Roads - 20.28

AMENDMENT RECORD

<i>Version</i>	<i>Page(s)</i>	<i>Date</i>	<i>Amendment Description</i>	<i>Init</i>
1	All	22/07/2016		VV

This document has been prepared by the Technical Services Section. It has been approved and authorised for use by Department of Planning, Transport and Infrastructure and its authorised agents by:

Manager, Technical Services
22 / 7 / 2016

Extracts may be reproduced providing the subject is kept in context and the source is acknowledged. Every effort has been made to supply complete and accurate information. This document is subject to continual revision and may change.

For information regarding the interpretation of this document please contact:

Technical Services Section, Safety and Service Division, DPTI
Email: dpti.tassadminsupport@sa.gov.au

For additional copies or to confirm the current status of this document please check:
<http://www.dpti.sa.gov.au/standards/tass>

CONTENTS

1. Scope/Introduction4

2. Road Classification4

 2.1 Rural Arterial Roads and National Highways.....4

 2.2 Rural Local Roads4

3. New Grid Installations5

 3.1 Sealed Roads5

 3.2 Unsealed Roads5

4. Maintenance and Replacement of Grids5

 4.1 Routine Maintenance5

 4.2 Grid Replacement6

5. Fencing Adjacent to Grids6

6. Gates and Run Throughs6

7. Standards and Undertaking Works6

8. Signing for Grids on Roads7

20.28

1. Scope/Introduction

The supply and installation of a grid on any road maintained by the Department of Planning, Transport & Infrastructure (DPTI) shall be subject to the approval of the Manager, Road & Marine Assets, and to such conditions as the Manager deems necessary.

20.28

The policy for the installation and management of grids is determined by the classification of the road concerned.

2. Road Classification

All public roads are classified according to their general use or function.

2.1 Rural Arterial Roads and National Highways

Roads in rural areas whose main function is to provide a transport link between States, cities, key towns, important centres or to provide an avenue for traffic movement of an arterial nature within a town in a rural area.

These roads are maintained by DPTI.

2.2 Rural Local Roads

Roads in rural areas whose main function is to provide access to abutting property or provide a transport link between centres which are not key towns or cities.

The majority of the rural local roads in the Unincorporated Area are unsealed. The unsealed network maintained by DPTI is sub-classified into Primary Outback Roads, Secondary Outback Roads, Minor Outback Roads and Access Roads.

3. New Grid Installations

20.28

3.1 Sealed Roads

a) Incorporated Area

No new grids, gates or run-throughs will be approved unless under exceptional circumstances.

b) Unincorporated Area

The supply and installation costs for new grids shall be borne in equal parts by the applicant(s) and DPTI subject to funding being allocated.

3.2 Unsealed Roads

a) Primary, Secondary & Minor Outback Roads

The supply and installation costs for new grids shall be borne in equal parts by the applicant(s) and DPTI subject to funding being allocated.

b) Access Roads

The supply and installation costs for new grids shall be borne by the applicant(s).

4. Maintenance and Replacement of Grids

4.1 Routine Maintenance

DPTI shall undertake routine maintenance of all grids on National Highways, Rural Arterials, Primary, Secondary and Minor Roads.

The lessee/owner shall undertake routine maintenance of all grids on Access Roads. However where it can be shown that a significant volume of tourist traffic is using an access road on a regular basis consideration may be given to the maintenance of a grid by DPTI.

Routine maintenance includes such activities as inspections, clearing of grid pits and repairs to structural elements.

Maintenance of associated signage remains the responsibility of DPTI for all grids.

4.2 Grid Replacement

DPTI shall undertake the replacement of all existing grids, including associated furniture such as signs, on all roads subject to funding being allocated.

20.28

5. Fencing Adjacent to Grids

The landowner/lessee shall be responsible for the supply, installation and maintenance of all fencing, including bypass gates, abutting any grid.

6. Gates and Run Throughs

No gate shall be installed by a landowner/lessee across any public road, without the prior approval of the Manager, Road & Marine Assets.

No gate shall be locked at any time to prevent access by the public.

Run-throughs may be installed on roads in the unincorporated area with prior approval by the Manager, Road & Marine Assets. The landowner/lessee shall supply all materials and undertake all installation and maintenance of the run-through.

7. Standards and Undertaking Works

All grids erected on public roads are to conform to the current departmental standards in accordance with drawings 4054. Proprietary brand products may be used subject to approval from the Manager, Road & Marine Assets.

No works are to be undertaken in the road reserve without prior approval from DPTI. For permits to undertake works refer to;

<http://www.sa.gov.au/topics/transport-travel-and-motoring/transport-industry-services/road-construction-and-maintenance/getting-permission-to-carry-out-roadworks>

8. Signing for Grids on Roads

The GRID sign (W5-16) shall be used to warn of a stock grid on the road. All grids shall be provided with advance warning signs, guide posts and hazard markers in accordance with the diagram.

20.28

In most cases, the grid is narrower than the road formation. The guide posts are intended to delineate the pathway while the hazard markers indicate the *exact* width of the grid.



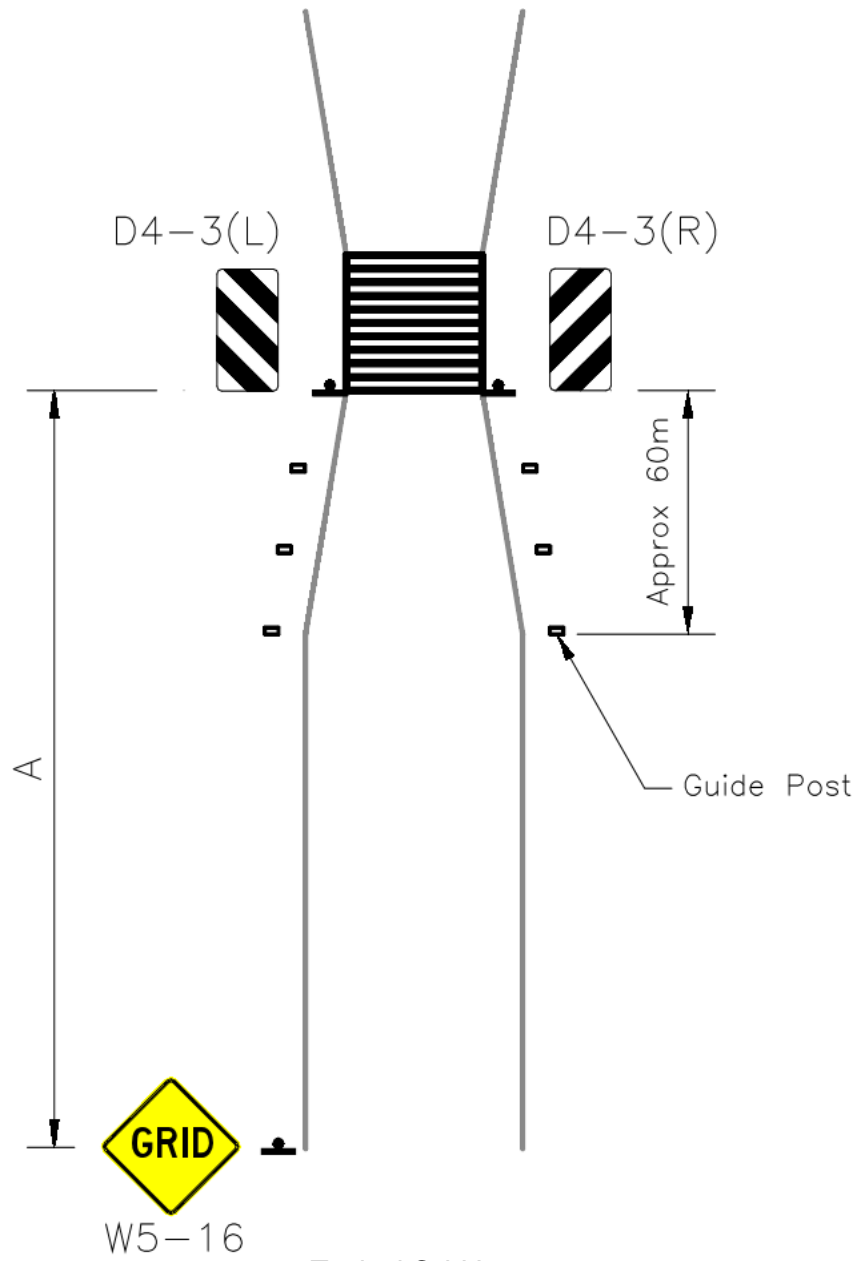
W5-16

It is important that the three guide posts and the hazard markers on the grid form a taper from the road formation edge to the narrowest point over the grid. The hazard markers should be low and placed laterally, such that the roadside edge of the marker is exactly in line with the edge of the travelled path over the grid.

Where the grid is narrower than 5.0m in width, ONE LANE (W8-16) supplementary signs should be provided below the GRID signs.



Photo 7 – Correct guide post installation at a grid



Typical Grid Layout

For dimension A refer below table.

Approach Speed V (km/h)	<40	40-60	60-80	>80
Distance A (metres)	60	100	150	220