

New Guides from Austroads Consortium



Austroads



NZ TRANSPORT AGENCY
WAKA KOTAHI



Austroads

New Zealand Government

The Consortium members

- **Representatives from:**
 - **NZ Transport Agency**
 - **New South Wales**
 - **Victoria**
 - **Queensland**
 - **Western Australia**
 - **South Australia**
 - **Tasmania**
 - **Northern Territory**
 - **Capital Territory**
 - **DOT & Regional Services**
 - **Local Government Association**



Guides, Codes and Standards

Barbossa:

First, your return to shore was not part of our negotiations nor our agreement so I must do nothing. And secondly, you must be a pirate for the pirate's code to apply and you're not. And thirdly, **the code is more what you'd call "guidelines" than actual rules.** Welcome aboard the Black Pearl, Miss Turner

~~Pirates of the Caribbean: The Curse of the Black Pearl~~

~~Wait! You're not a pirate!~~

~~Order of the Brethren...~~



The Guides – Audiences

- **Policy Makers and Strategic Planners**
 - Road Transport Planning
 - Road Safety
 - Traffic Management
- **Project Managers**
 - Project Delivery
 - Project Evaluation
- **Design Practitioners**
 - Road Design
 - Bridge Technology
 - Road Tunnels
 - Pavement Technology
- **Network and Asset managers**
 - Asset Management

The Guides – Positioning (i)

- **Augment current guides and practices**
 - **Rationalised**
 - **Updated information**
 - **Review of best practice and research**
- **Refer to Jurisdictional variations**
 - **MOTSAM**

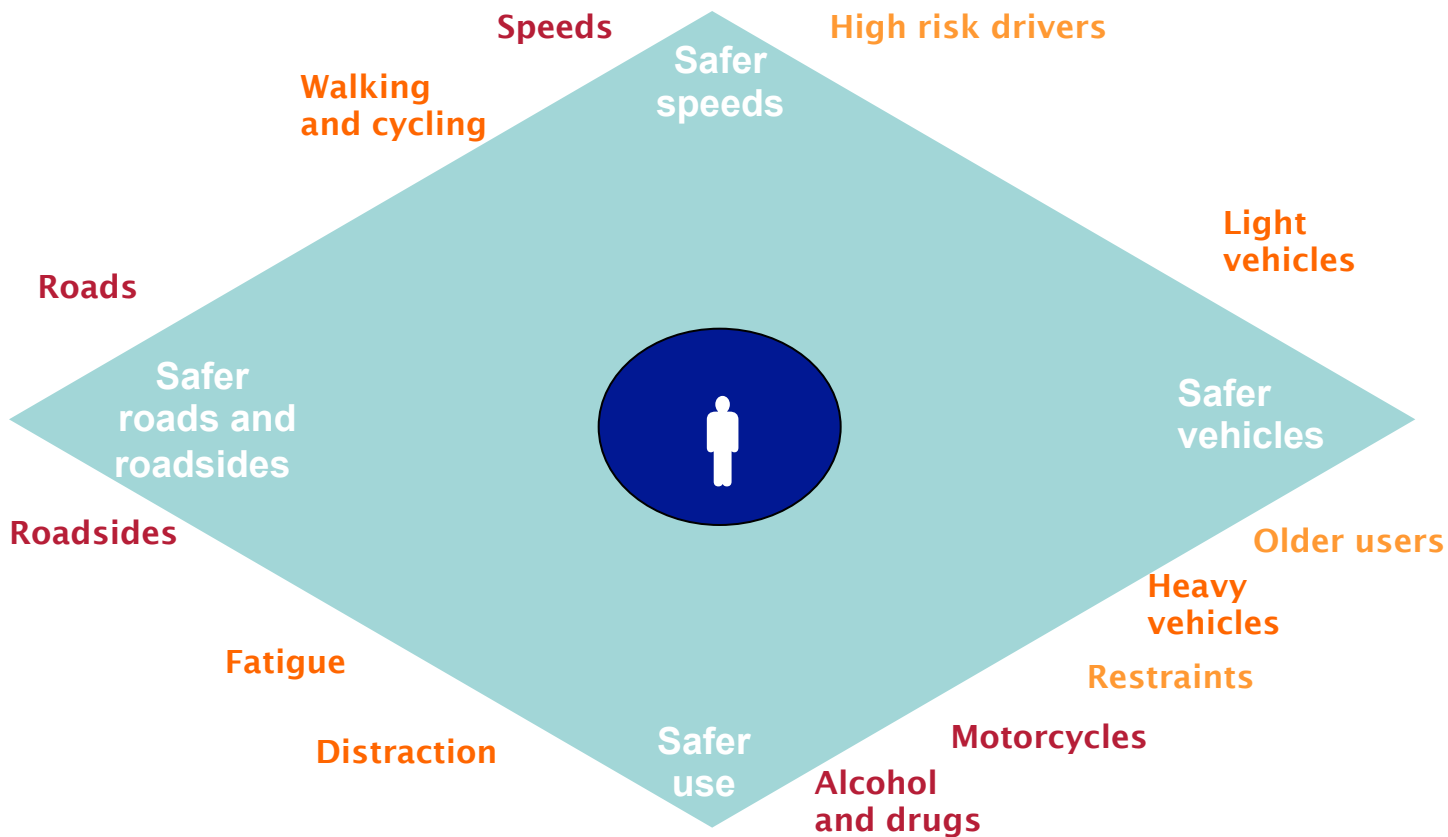
The Guides – Positioning (ii)

- **Replace current guides and practices**
 - **Rationalised**
 - **Updated information**
 - **Review of best practice and research**
- **Refer to Jurisdictional variations**
 - **MOTSAM**
- **Require Jurisdictional Supplements**
- **Phasing out of superseded guides**
 - **SHGDM (Draft)**

Providing for a Safe System

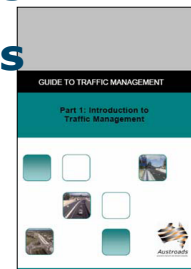
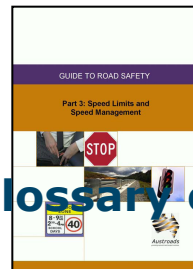
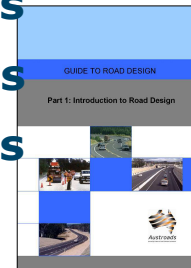
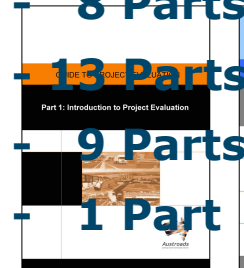
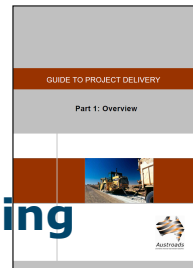
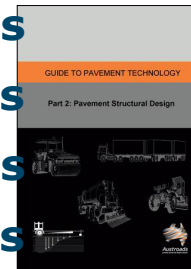
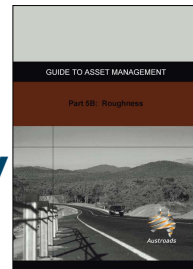
... designing, constructing and maintaining a road system (roads, vehicles and operating requirements) so that forces on the human body generated in crashes are generally less than those resulting in fatal or debilitating injury.....

Providing for a Safe System



The Guides – Summary

- Asset Management
- Bridge Technology
- Pavement Technology
- Project Delivery
- Project Evaluation
- Road Design
- Road Safety
- Road Transport Planning
- Traffic Management
- Road Tunnels (TBC)

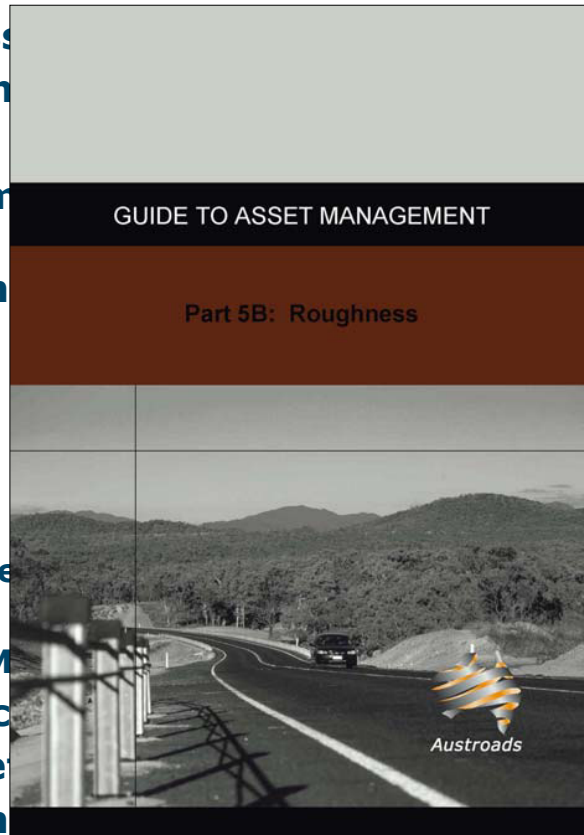


- 16 Parts
 - 7 Parts
 - 22 Parts
 - 4 Parts
 - 8 Parts
 - 13 Parts
 - 9 Parts
 - 1 Part
 - 13 Parts
 - 3 Parts

Total of 96 Parts + Glossary of Terms

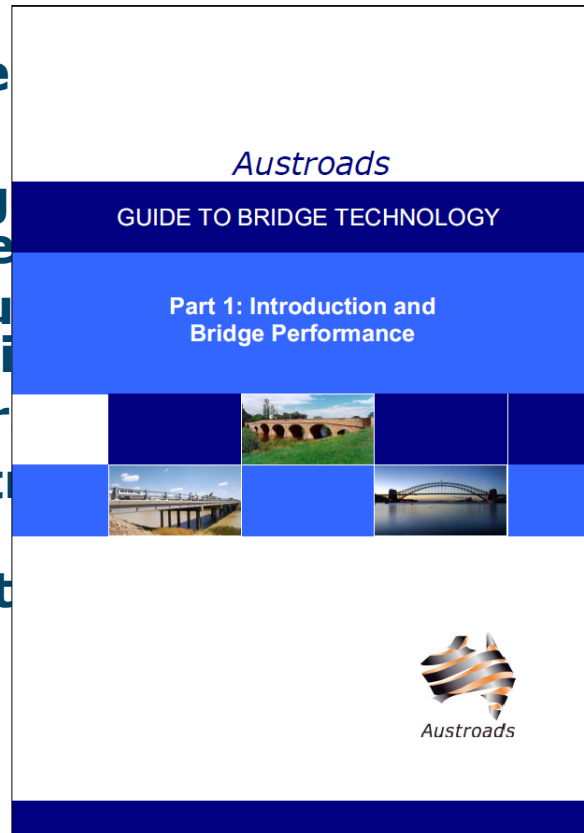
The Guides – Asset Management

- **Part 1 Introduction to Asset Management**
- **Part 2 Stakeholder/Community Engagement**
- **Part 3 Asset Strategies**
- **Part 4 Program Development and Implementation**
- **Part 5 Pavement Performance**
 - **Part 5A – Inventory**
 - **Part 5B – Roughness**
 - **Part 5C – Rutting**
 - **Part 5D – Strength**
 - **Part 5E – Cracking**
 - **Part 5F – Skid Resistance**
 - **Part 5G – Texture**
 - **Part 5H – Performance Modelling**
- **Part 6 Bridge Performance**
- **Part 7 Road Related Assets**
- **Part 8 Asset Valuation and**



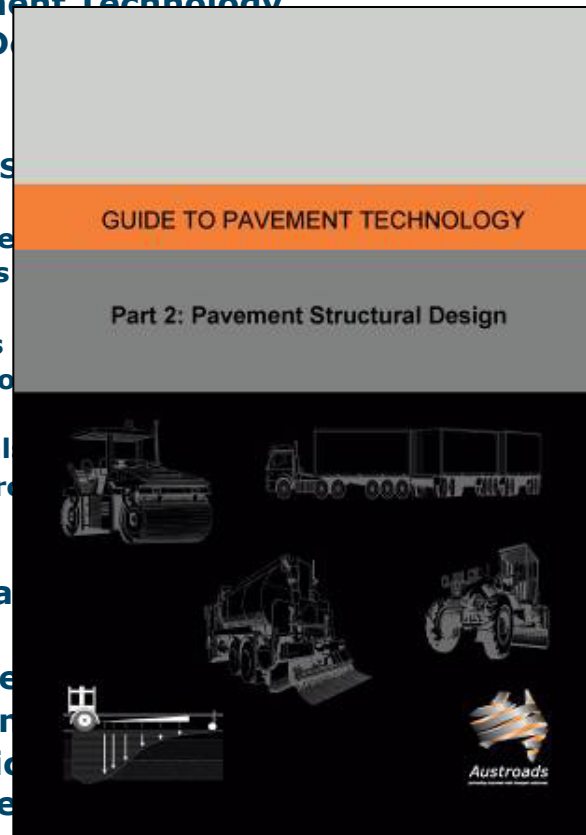
The Guides – Bridge Technology

- **Part 1 Introduction and Performance**
- **Part 2 Materials**
- **Part 3 Typical Bridge and Substructure**
- **Part 4 Design Process and Concept Design**
- **Part 5 Structural Design**
- **Part 6 Bridge Construction**
- **Part 7 Maintenance and Management**



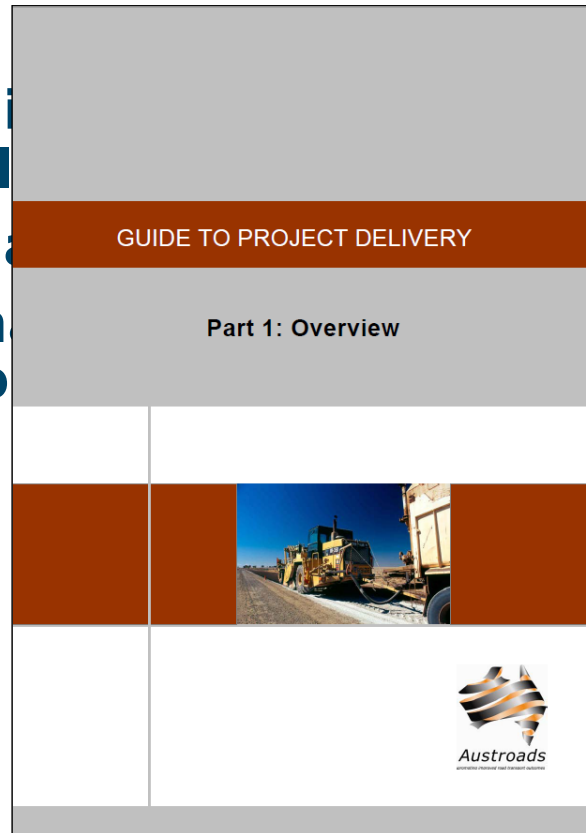
The Guides – Pavement Technology

- **Part 1 Introduction to Pavement Technology**
- **Part 2 Pavement Structural Design**
- **Part 3 Pavement Surfacing**
- **Part 4 Pavement Materials**
 - Part 4A – Granular Base and Subgrade
 - Part 4B – Asphalt
 - Part 4C – Materials for Concrete
 - Part 4D – Stabilised Materials
 - Part 4E – Recycled Materials
 - Part 4F – Bituminous Binders
 - Part 4G – Geotextiles and Geomembranes
 - Part 4H – Test Methods
 - Part 4I – Earthworks Materials
 - Part 4J – Aggregate and Sources
 - Part 4K – Seals
 - Part 4L – Stabilising Binders
- **Part 5 Pavement Evaluation and Rehabilitation**
- **Part 6 Unsealed Pavements**
- **Part 7 Pavement Maintenance**
- **Part 8 Pavement Construction**
- **Part 9 Pavement Work Practices**
- **Part 10 Sub-Surface Drainage**



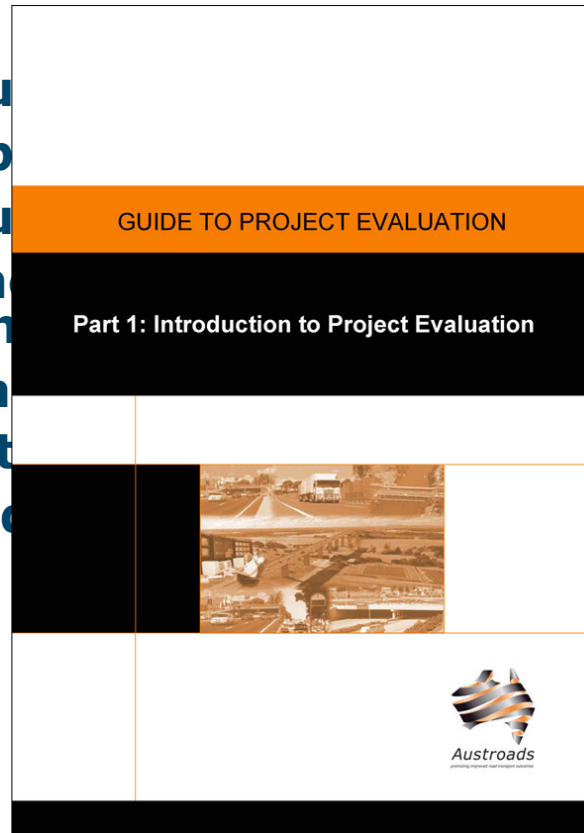
The Guides – Project Delivery

- **Part 1 Overview**
- **Part 2 Project delivery and control**
- **Part 3 Contract Management**
- **Part 4 Direct management of construction**



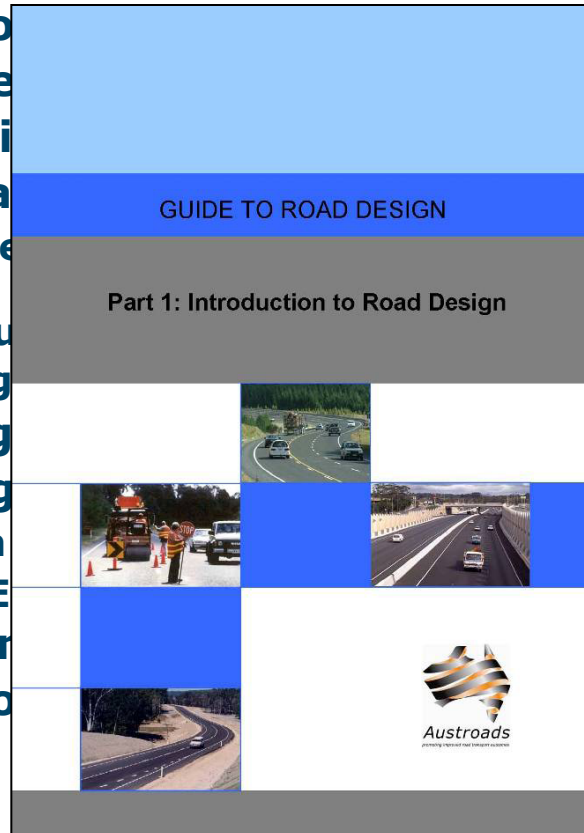
The Guides – Project Evaluation

- **Part 1 Introduction**
- **Part 2 Project evaluation**
- **Part 3 Models and p**
- **Part 4 Project evaluation**
- **Part 5 Impact on the regional economy**
- **Part 6 Distributional**
- **Part 7 Post-comple**
- **Part 8 Examples and**



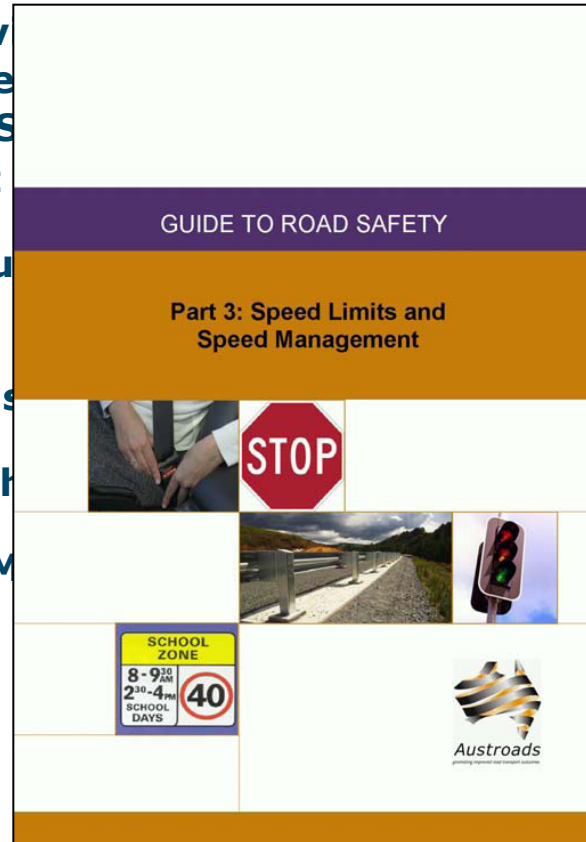
The Guides – Road Design

- **Part 1 Introduction to Road Design**
- **Part 2 Design Considerations**
- **Part 3 Geometric Design**
- **Part 4 Intersections and Junctions**
 - **Part 4A – Unsignalised Intersections**
 - **Part 4B – Roundabouts**
 - **Part 4C – Interchanges**
- **Part 5 Drainage Design**
- **Part 6 Roadside Design**
 - **Part 6A – Pedestrian and Cyclist Facilities**
 - **Part 6B – Roadside Environment**
- **Part 7 Geotechnical Infrastructure**
- **Part 8 Process and Documentation**



The Guides – Road Safety

- Part 1 Road Safety Overview
- Part 2 Road Safety Strategy
- Part 3 Speed Limits and Speed Management
- Part 4 Local Government
- Part 5 Road Safety for Rural Areas
- Part 6 Road Safety Audit
- Part 7 Road Network Crash Modification
- Part 8 Treatment of Crashes
- Part 9 Roadside Hazard Management



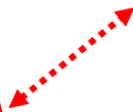
The Guides – Road Transport Planning

‘Provides a frame of reference regarding road planning principles and processes...’

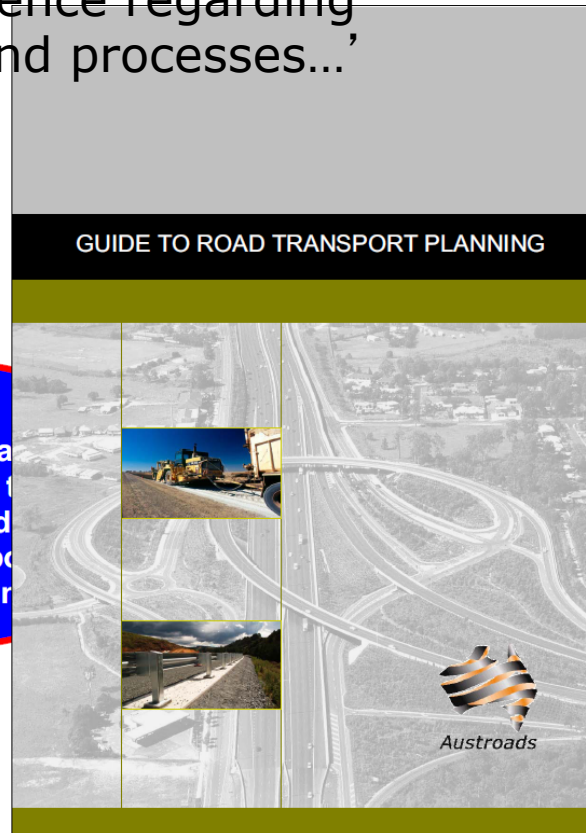
**Austrroads
Guide to
Asset
Management**



**Austrroads
Guide to
Road
Transport
Planning**

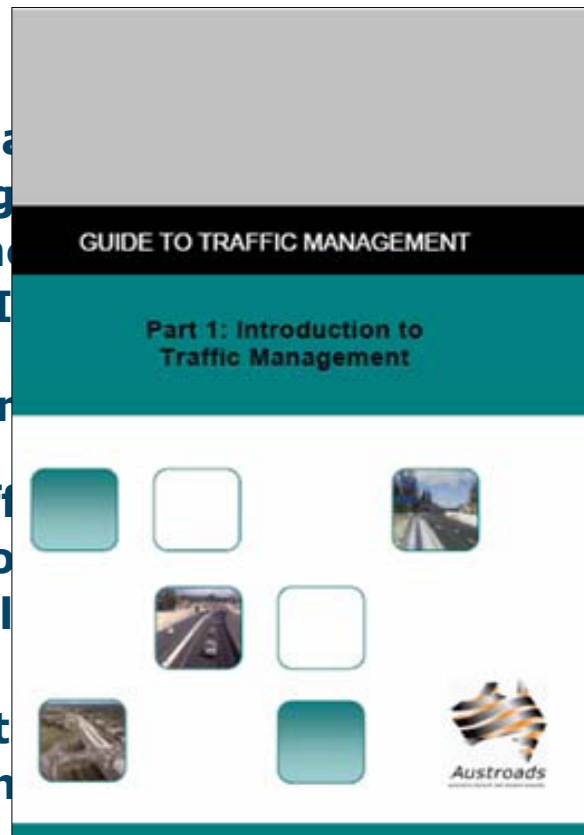


**Austrroads
Guide to
Traffic
Management**



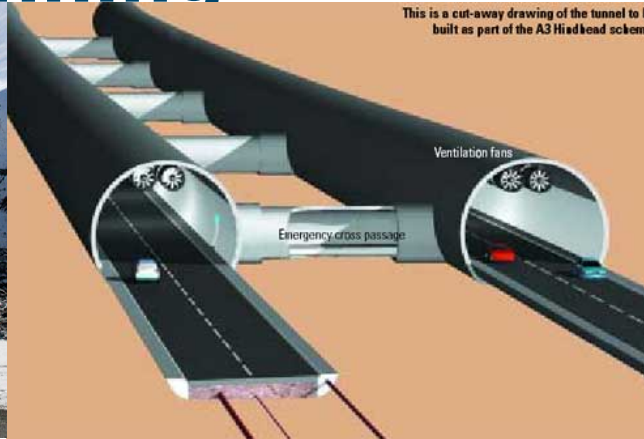
The Guides – Traffic Management

- **Part 1 Introduction**
- **Part 2 Traffic Theory**
- **Part 3 Traffic Studies and Data**
- **Part 4 Network Management**
- **Part 5 Road Management**
- **Part 6 Intersections, Interchanges and Roundabouts**
- **Part 7 Traffic Management Plans**
- **Part 8 Local Area Traffic Management**
- **Part 9 Traffic Operations**
- **Part 10 Traffic Control**
- **Part 11 Parking**
- **Part 12 Traffic Impact**
- **Part 13 Road Environment**



The Guides – Road Tunnels

- **Part 1 Planning**



1st September Status

- **Asset Management** - **11/16** Parts
- **Bridge Technology** - **3/7** Parts
- **Pavement Technology** - **19/22** Parts
- **Project Delivery** - **4/4** Parts
- **Project Evaluation** - **8/8** Parts
- **Road Design** - **4/13** Parts
- **Road Safety** - **9/9** Parts
- **Road Transport Planning** - **1/1** Part
- **Traffic Management** - **7/13** Parts
- **Road Tunnels (TBC)** - **0/3** Parts

Total of 66/96 Parts + Glossary of Terms



Information Board

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