

# Communiqué

## Austrroads Board Meeting No. 33 4 April 2019 | Melbourne



The Austrroads Board met on 4 April 2019 in Melbourne, Victoria and was chaired by Neil Scales, Director-General, Queensland Department of Transport and Main Roads.

### Strategic Projects

An update on the strategic priority projects identified by the Board is provided below.

- **Data Harmonisation** | The Road Asset Data Standard is in an implementation phase. Local government pilots will allow the councils to test the use of the data in a range of different geographies, road conditions and local government types. Testing to date includes pilots in Victoria (late 2018), NSW and Queensland (February-March 2019) and Western Australia and Northern Territory (April-May 2019). The project team intends to expand the number of Councils involved.
- **Austrroads Technical Specifications** | The development of a number of specifications and test methods is progressing well. An advisory group made up of the Chief Engineer from each jurisdiction is to be formed to lead the next stage of this project.
- **Safety at Road Worksites** | Work continues to progress well. The project is made up of six modules including a Code of Practice for Temporary Traffic Management which has 11 parts. Parts 2, 4, 5, 6 and 8 are with Network Task Force for review. Parts 3, 7, 9 and 10 are at the Industry Consultation stage. Parts 1 and 11 are well underway.
- **Congestion Management and Network Operations Opportunities** | This project is undertaking multiple streams of research to support road agencies in the optimisation of their networks, manage congestion and improve the movement of people and goods. Outputs will include: the application of artificial intelligence and machine learning to network operations; Mobility as a Service opportunities; case studies; improved guidance for the management of smart motorways; a digital summary of Austrroads congestion and network operations research and publications; and updates to the Austrroads Guides. All reports are well advanced and nearing completion.
- **Cross Section Design for Road Stereotypes and a Safe System** | The key output from this project will deliver a world-first performance-based road design standard. The project has been delayed by the development of intersection crash forecasting method. Queensland trials are now underway.
- **Infrastructure Changes to Support Automated Vehicles** | This project is investigating the investment required in physical and digital infrastructure to support the operation of connected and automated vehicles across key highways in Australia and New Zealand. Draft reports have been completed for all five project modules.
- **Austrroads Online** | The new Austrroads website was launched on 3 September 2018. The new website combines the Austrroads corporate website and publications website into a single site and provides the Austrroads Guides as an online resource. The site has been visited more than 160,000 times between November and February with the Guides online viewed 2,730 times. More than 18,000 people have now established an account on the site.

## Research Work Program

### 2018-19 Work Program Overview

There were 98 projects approved in the 2018-19 work program, with 70 projects continuing from previous financial years and 28 new projects commencing in 2018-19. Following the November 2018 Board meeting a further two projects were accelerated into the work program bringing the total number of projects to 100. The table below details the status of the Austroads projects as at 28 February 2019.

Status	Assets	Connected & Automated Vehicles	Network	Safety	Other	Total
Complete	7	2	6	6	1	22
Cancelled / Abandoned	-	-	-	-	-	-
Deferred	-	-	-	-	-	-
Active	29	7	16	25	1	78
<b>Total approved</b>	<b>36</b>	<b>9</b>	<b>22</b>	<b>31</b>	<b>2</b>	<b>100</b>

### 2019-20 – Forward Work Program

The Board approved in principle the following projects for 2019-20.

Project number	Project title
<b>Assets</b>	
AAM6200	Investment Prioritisation
AAM6201	Asset Management Decision-Making System (Proof of Machine Learning Concept)
ASP6227	Road Asset Data Standard Implementation - Stage IV
ABT6196	Design Guidelines for the Delivery of Large Cantilever and Gantry Structures
ABT6203	Structural and Real-Time Bridge Health Monitoring
APT6123	National Harmonisation of Test Methods Used in Performance Specifications
APT6204	Improved General Mechanistic Method (GMP) for Pavement Rehabilitation
APT6213	Sustainable Test for Measuring Rutting Performance of Binders in Asphalt
APD6174	Optimising Project Delivery Performance
ART6137	Use of Perceptual Countermeasure Treatments to Reduce Crash Risks in Tunnels
ART6151	Revision of Austroads Guide to Road Tunnels – Part 2: Planning, Design and Commissioning
<b>Connected &amp; Automated Vehicles</b>	
CAV6216	Road Authority Data (for) Connected and Automated Vehicles
<b>Network</b>	
NTM6186	Improved guidance on interrupted traffic flow theory
NTM6187	Effectiveness and implementation of raised safety platform
NTM6189	Passing Lane Investigation: Design, Placement And Safety
NTM6195	Trip generation rates for Australia and New Zealand
NTM6205	Opportunities to build capability in traffic management
NEF6184	Identification of best practice for professional and sustainable road transport operations in Australia and New Zealand
NEF6188	Review of mass limits for class 1 load carrying and special purpose restricted access vehicles
NEF6209	Decision making framework and tools for freight access decisions
NEF6210	Best practice approaches to freight and communities
NEG6185	Innovation and best practice in performance measurement and transport information

Project number	Project title
NEG6206	Network operation planning - case studies and capability building
NEG6207	Guidance to support its decision making on motorways, freeways and arterials
NEG6208	Guidance and readability criteria for traffic sign recognition (TSR) systems reading electronic signs
<b>Safety</b>	
SRD6219	Inclusion of recent road safety research in the Guide to Road Design – Phase 2
SRD6220	Multiple small amendments to the Guide to Road Design for delivery efficiency and to accelerate guidance to practitioners
SRD6229	Update of Guide to Road Design Part 5: Drainage - General And Hydrology Considerations (Australian Rainfall And Runoff Alignment)
SAG6221	Revision of the Guide to Road Safety - Part 6A: Implementation of Road Safety Audits in the context of the new Part 6
SAG6222	Motorcycle rider perceptive countermeasures
SAG6224	Suicide in road transport

### Research Data Management

Austrroads conducts around 100 projects each year many of which involve some type of data collection. This includes road condition information, material testings results, in-vehicle readings, and survey results. A report was provided which proposed steps to improve the way data from research projects is collected, stored and made accessible by implementing sound data management procedures. A progress report, including formalising the data collection process in projects, is to be submitted in the July 2019 Board meeting.

### National Exchange of Vehicle and Driver Information System (NEVDIS)

NEVDIS collects, collates and distributes vehicle, licence, and registration data on behalf of the eight State and Territory road authorities and the Australian Criminal Intelligence Commission.

NEVDIS services 200 million+ transactions each year. Data security is a key consideration and an implementation report of recent upgrades, including penetration testing and the Information Security Management Framework will be submitted to the July 2019 Board meeting.

### Next Austrroads Meeting

The next Austrroads Board meeting will be held on Thursday 4 July 2019 in Perth Western Australia, to be preceded by a Strategic Planning workshop on 3 July.