



Smart Freeways Policy

Main Roads is progressively introducing Smart Freeway solutions into the existing and future freeways. Our goal is to have the most efficient, productive and resilient freeway network to maximise safety, reliability and sustainability for everyone.

Objectives

Our objectives are to create a world-class Smart Freeways system for:

- reliable travel times
- efficient movement of people and freight
- improved network productivity contributing to the state's economic prosperity
- improved safety of all road users including road workers
- reducing congestion, emissions and cost of travel
- additional capacity from the existing network through targeted improvements and using appropriate technology
- improved network resilience and flexibility to meet abrupt change in demand or available capacity due to incidents
- enhanced real-time information to improve the customer travel experience
- connected and automated vehicles, aligned with national guidance.
- Smart Freeway solutions will be designed to address specific performance issues identified by network analysis and based on robust data.
- All ITS solutions will take into consideration national ITS architecture, systems engineering, whole-of-life costs and proven technologies.
- Planning and design decisions will consider the potential impacts of connected and automated vehicles as they emerge.
- All Smart Freeway designs will be subject to operational efficiency audits.
- All freeways will, as a minimum, have real-time network monitoring capability and intelligence, and provision for higher-order Smart Freeway treatments when needed.
- Customer perspective and education are essential to the solution.
- We will confirm objectives and benefits through on-going performance monitoring, evaluation and operational fine tuning.
- We will encourage innovation and development of skills and expertise through research and development trials, as well as strategic partnerships with other road agencies, industry, research institutions and universities.

Principles

This policy is underpinned by the following principles:

- Solutions will be guided by this policy and Smart Freeways Guidelines, which are aligned with best practice guidelines as appropriate.
- Smart Freeways are to be part of an integrated transport system and aligned with long-term network planning.

Peter Woronzow

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