

10th RMS Annual Bridge Conference

'Bridges – Safe & Effective Road Network' (2-3 December 2015)

Paper Summary: An Introduction to the Asset Standards Authority

The Asset Standards Authority provides an assurance service for Transport for NSW (TfNSW) across its asset base and operational remit. The TfNSW asset holding for both fleet and network infrastructure is valued at well over \$100b. The ASA's role includes standards administration, technical subject matter expertise and asset management and assurance protocols, services and advice to enable TfNSW, as a primary asset owner, to discharge its obligations efficiently and effectively across the life of the asset and meet customer requirements.

Recognising that the transport network is an integrated fusion of multiple modes and corridors, the collaborative approach between ASA and RMS is essential for a coordinated and considered approach to the development and implementation of network change and in the general stewardship of our assets.

The ASA has capabilities across many of the transport infrastructure engineering disciplines, including civil and structural engineering. In providing engineering governance and leadership, we actively address many contemporary issues. Primary among those is the issue of built-asset durability. Other relevant issues include:

- the technology for delivering durable products
- the deficiency of durability considerations at the design phase of asset life
- to the continual and persistent need for improvements in construction processes
- Simple compliance is not cutting it – need a more **assured** outcome in the application of durability.

The revised AS 5100 Bridge Design Standard (draft version) contains more stringent durability requirements. We believe that improving education and the 'self-assurance' capability of designers and constructors in particular, will support better outcomes. The ASA Standard **T HR CI 1202: Civil Infrastructure Durability**, to be published in early 2016, will support our efforts in the provision of improved durability for transport assets.

This presentation provides an introduction to the ASA and outlines our role in respect to RMS, other operators and maintainers and the industry supply chain. The presentation outlines key assurance approaches adopted by TfNSW and identifies contemporary technical issues around durability that the ASA is addressing, with approaches based on key aspects of RMS practice in this area.