

Department of Transport and Main Roads

Transport and Main Roads new harmonised asphalt specifications

Why change?

Michael Pickering, Director (Pavements Research and Innovation) | August/September 2014



Great state. Great opportunity.



Government Priorities

Four pillars of the Queensland economy

Tourism | Agriculture | Resources | Construction

The Queensland Plan

A 30-year vision for Queensland

Our values

- Customers First
- Ideas into Actions
- Unleash Potential
- Be Courageous
- Empower People

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We connect Queenslanders ...

- We get people and industry moving
- We plan, we invest
- We deliver, we manage
- We regulate
- We help, we educate



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Outline

- What is happening
- Why change?
- Benefits.

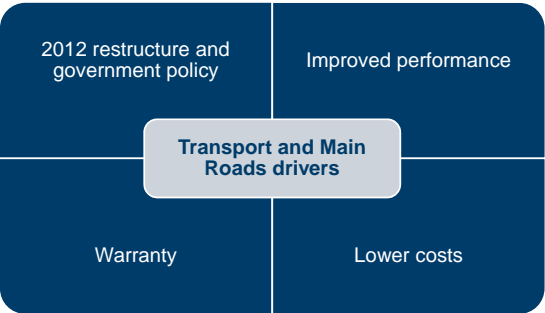
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What is happening

- Heavy duty, dense graded asphalt
- Harmonising with NSW Roads and Maritime Services (RMS) R116
- Keeping registration for:
 - Quarries
 - Asphalt suppliers
 - Mix designs.

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Why change?



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Why change?

- Industry drivers:
 - Production-based mix design
 - More consistent approach
 - Lower cost.



Expected benefits

- Mix design registration
 - Supplier fully responsible for mix design
 - Reduced cost and time
 - Test methods.



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Expected benefits (continued)

- New technologies, increased use of:
 - Reclaimed Asphalt Pavement (RAP)
 - Warm Mix Asphalt (WMA).



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Expected benefits (continued)

- Durability
 - Higher minimum binder content
 - More uniform and higher standard of compaction
 - Increased penalties.



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Expected benefits (continued)

- Performance
 - Two year warranty.



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Expected benefits (continued)

- Productivity
 - Removal of waterproofing seal below dense graded asphalt wearing surfaces.
- Consistency in approach
 - RMS unless sound technical reason to change.



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Pavements Research and Innovation

What we do

- Technical specifications, including unbound granular materials, bitumen, sealing, asphalt and concrete
- Project specific technical specifications, such as stone mastic asphalt, cement modified base, high standard granular and subgrade
- Guide notes, test methods and approved product lists
- Pavement design supplement
- Specialist technical advice
- Peer review
- Innovation assessment
- TMR/ARRB research
- Austrroads
- Registration of asphalt suppliers and mixes
- Technical training.

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Pavements Research and Innovation

Mike Pickering, Director
(Pavements, Research and Innovation),
3066 7741

- Overarching and general enquiries
- Austrroads Pavements Task Force

Peter Bryant, Principal Engineer
(Pavement Design), 3066 7743

- Pavement design
- Concrete pavements
- Cement modified pavements

Narelle Dobson, Principal Engineer
(Pavements and Materials Development),
3066 7742

- Unbound pavement materials
- Recycled materials
- Heavy vehicles

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Pavements Research and Innovation

Jason Jones, Principal Engineer
(Asphalt and Surfacing), 3066 7726

- Asphalt
- Seals
- Surfacings

Barry Rule, Principal Advisor
(Materials Testing), 3066 7719

- Asphalt supplier and mix design registration
- Bitumen and binders
- Pre-coating and anti-stripping (adhesion) agents

John Spathonis, Principal Manager
(Research and Development),
3066 6465

- Mechanical engineering
- Austrroads Technology Program Manager

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Thank you

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delivering transport for prosperity

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