

Department of Transport and Main Roads

Transport and Main Roads new harmonised asphalt specifications

Warranty, prequalification, mix design, roles and timeline

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

- Important changes within or supporting harmonisation
 - Warranty
 - Prequalification (nee registration)
 - Mix design
 - Changes in roles
 - Timeline.

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Warranty


12 months

- Surface shape

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24 months

- No rutting
- No ravelling
- No shoving or bleeding



Warranty

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Warranty (continued)

- Enacted via
 - Prequalification system
 - Deed.

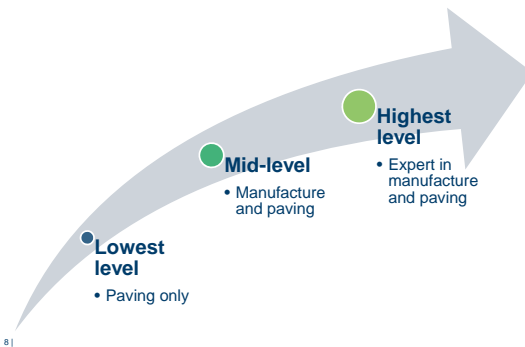
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Prequalification

- Harmonised with National Prequalification System (NPS) for civil (Road and Bridge) construction contracts
 - Consistent approach
 - One integrated system
 - Link to warranty
 - Local specialist category.

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Prequalification (continued)



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Mix design

- Mix design
 - Supplier responsible
 - Compliant designs registered.



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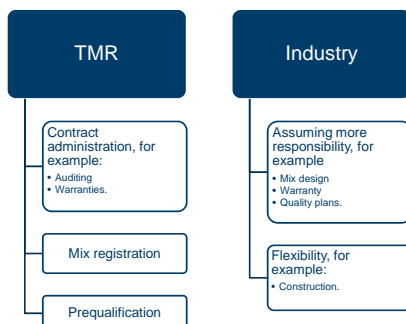
Mix design (continued)

- Acceptance based on production.



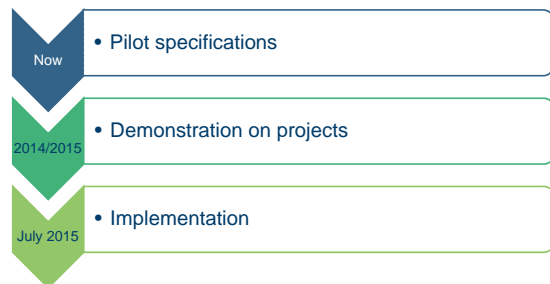
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Changes in roles



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Timeline



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A final note

- Quarry Registration System (QRS)
 - Included in new specifications
 - Quarry specific testing frequencies
 - Source rock properties only.
 - Targeting implementation from January 2015.

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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, subgrade
- Guide notes, test methods and approved product lists
- Pavement design supplement
- Specialist technical advice
- Peer review
- Innovation assessment
- TMR/ARRB research
- Austroads
- 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
- Austroads 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
- Surfacing

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
- Austroads Technology Program Manager

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Thank you