



# Bituminous Surfacing – Principles & Practice

AAPA QUEENSLAND BRANCH COURSE FOR ENGINEERS & SUPERVISORS

19<sup>th</sup> to 21<sup>st</sup> August 2014 – CCF Training Centre, 11 Hi-Tech Court, Eight Mile Plains, Q

## DRAFT PROGRAM v 05

Day 1	Tuesday 19 <sup>th</sup> August 2014	Presenter	Section
08:00 - 08:30	<b>Registration</b>		
08:30 - 08:45	<b>Opening &amp; Course Objectives</b>	Rob Vos - AAPA	Opening
08:45 - 09:15	<b>Introduction to Flexible Pavements</b> History of Pavements & Terminology	Rob Vos - AAPA	Section 1
09:15 - 10:15	<b>Bitumen, PMBs &amp; Cutback Bitumen</b>	Adrian Grbac – BP	Section 2
10:15 - 10:30	Morning Tea		
10:30 - 11:00	<b>Bituminous Emulsions</b>	Bevan Painter - SAMI	Section 3
11:00 - 11:45	<b>Aggregates</b>	Richard Murray - RPQ	Section 4
11:45 - 12:45	<b>Selection of surfacings</b>	Jaco Liebenberg - GHD	Section 5
12:45 - 13:30	Lunch		
13:30 - 14:15	<b>Asphalt mix design &amp; specification</b>	Carl Topp – Boral	Section 6
14:15 – 15:15	<b>Asphalt mixing plants &amp; recycling</b>	Steve Mole – Astec Australia / Brett Hill – Astec Australia	Section 7
15:15 - 15:30	Afternoon Tea		
15:30 - 16:15	<b>Asphalt paving &amp; compaction</b>	Chris Lange - Boral	Section 8 & 9
16:15 – 16:45	<b>Warm Mix Asphalt</b>	Robert Frederick – Fulton Hogan	Section 10
16:45 – 17:30	<b>Working safely with bituminous materials</b>	Rob Vos - AAPA	Section 11
17:30 – 17:40	<b>Discussion &amp; details on site visits</b> Induction & Safety Equipment requirements	Rob Vos - AAPA	
17:30 – 18:30	<b>Refreshment Hour</b>		



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Day 2	Wednesday 20 <sup>th</sup> August 2014	Presenter	Section
08:00 – 12:30	<b>Site Visits –Asphalt Plant</b> Asphalt plant, Asphalt paving Spray sealing/slurry	Craig Roubin, Rob Pollock, & staff of RPQ & BCC	<b>PPE</b> Hard hat, long sleeve shirt, long trousers, steel capped footwear
12:30 - 13:30	Lunch		
13:30 - 14:15	<b>Sprayed treatments – selection</b>	John Patane – Patane Civil	Section 12
14:15 – 15:30	<b>Sprayed treatments</b> - Design rates of application	John Patane – Patane Civil	Section 13
15:30 - 15:45	Afternoon Tea		
15:45 – 16:30	<b>Sprayed treatments</b> – Construction & plant operation	John Patane – Patane Civil	Section 14
16:30 – 16:45	<b>Discussion and review</b>		

Day 3	Thursday 21 <sup>st</sup> August 2014	Presenter	Section
08.30 - 10.00	<b>Fundamentals of flexible pavement design</b>	Mike Pickering – TMR / Rob Vos - AAPA	Section 15
10.00 - 10.30	Morning Tea		
10:30 – 12:30	<b>Maintenance &amp; rehabilitation</b>	Jothi Ramanuman - TMR	Section 16
12:30 – 13:15	Lunch		
13:15 – 14:15	<b>Pavement profiling &amp; stabilisation</b>	Darren Gearing – Ellis Profiling	Section 17
14:15 – 15:15	<b>Sustainability Concepts</b>	Rob Vos – AAPA	Section 18
15:15 - 15:30	Afternoon Tea		
15:30 – 16:00	<b>Innovations in Asphalt Pavement Technology</b> <b>Course review and follow-up training</b>	Rob Vos - AAPA	Section 19
16:00 - 16:15	<b>Certificate Award &amp; Closing</b>	<b>Rob Vos - AAPA</b>	