



# 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>	



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## Presenters List based on PROGRAM v 04-2

SECTION	NAME	MEMBER	ADDRESS	CONTACT
Section 1, 11, 15, 18, 19 & Site	Rob Vos	AAPA	11 Hi-Tech Court Eight Mile Plains, Q 4113 <a href="mailto:robert.vos@aapa.asn.au">robert.vos@aapa.asn.au</a>	0414 533 481
Sections 2	Adrian Grbac	BP Bitumen	PO Box 718, Hamilton, QLD 4007 <a href="mailto:adrian.grbac@se1.bp.com">adrian.grbac@se1.bp.com</a>	0410 479 164
Sections 3	Bevan Painter	SAMI Bitumen Technologies	PO Box 8284, Wynnum North, QLD 4178 <a href="mailto:bpainter@samibitumen.com.au">bpainter@samibitumen.com.au</a>	0417 003 070
Section 4	Richard Murray	RPQ	PO Box 4211, Riverview QLD 4305 <a href="mailto:richard.murray@rpq.com.au">richard.murray@rpq.com.au</a>	0438 144 259
Section 5	Jaco Liebenberg	GHD	PO Box 668, Brisbane, QLD 4001 <a href="mailto:jaco.liebenberg@ghd.com">jaco.liebenberg@ghd.com</a>	0437 867 592
Section 6	Carl Topp	Boral Asphalt	PO Box 227, Hamilton Central, QLD 4007 <a href="mailto:carl.topp@boral.com.au">carl.topp@boral.com.au</a>	0401 892 156
Section 7	Steve Mole Brett Hill	Astec Australia	PO Box 1142 Acacia Ridge QLD 4110 <a href="mailto:smole@astecaustalia.com.au">smole@astecaustalia.com.au</a> <a href="mailto:bhill@astecaustalia.com.au">bhill@astecaustalia.com.au</a>	0400 924 427 0458 019 581
Section 8&9	Chris Lange	Boral Asphalt	PO Box 227, Hamilton Central QLD 4007 <a href="mailto:crish.lange1@boral.com.au">crish.lange1@boral.com.au</a>	0401 893 319
Section 10	Robert Frederick	Fulton Hogan	PO Box 310, Beenleigh QLD 4207 <a href="mailto:robert.frederick@fultonhogan.com.au">robert.frederick@fultonhogan.com.au</a>	0438 744 065
Section 12,13 & 14	John Patane	Patane Civil	PO Box 299, Albion QLD 4010 <a href="mailto:john.z.patane@bigpond.com">john.z.patane@bigpond.com</a>	0417 717 479
Section 12 & 13	Peter Jamandijevic	Qld Transport & Main Roads	Floor 2, 35 Butterfield Street, Herston QLD 4006 <a href="mailto:peter.x.jamandijevic@tmr.qld.gov.au">peter.x.jamandijevic@tmr.qld.gov.au</a>	0417 077 035
Section 15	Mike Pickering	Qld Transport & Main Roads	Floor 2, 35 Butterfield Street, Herston, QLD 4006 <a href="mailto:mike.i.pickering@tmr.qld.gov.au">mike.i.pickering@tmr.qld.gov.au</a>	0419 658 949
Section 16	Jothi Ramanujam	Qld Transport & Main Roads	Floor 2, 35 Butterfield Street, Herston, QLD 4006 <a href="mailto:jothi.m.ramanujam@tmr.qld.gov.au">jothi.m.ramanujam@tmr.qld.gov.au</a>	0417 078 571
Section 17	Darren Gearing	Ellis Consolidated	PO Box 123, Narangba QLD 4504 <a href="mailto:dgearing@ellisconsolidated.com.au">dgearing@ellisconsolidated.com.au</a>	0438 011 767
Site Visit	Craig Roubin	RPQ	PO Box 4211, Riverview QLD 4305 <a href="mailto:craig.roubin@rpq.com.au">craig.roubin@rpq.com.au</a>	0433 930 312
Site visit	Rob Pollock	BCC	228 Curtin Ave West, Eagle Farm Q 4009 <a href="mailto:robert.pollock@brisbane.qld.gov.au">robert.pollock@brisbane.qld.gov.au</a>	0478 881 793
Course Admin in Q	Christine Everson	AAPA	11 Hi-Tech Court, Eight Mile Plains Q 4113 <a href="mailto:Christine.everson@aapa.asn.au">Christine.everson@aapa.asn.au</a>	07 3360 7940