Recent Achievements:

Airport asphalt specification published
A national Performance-based Airport Asphalt Model Specification was developed in a collaborative effort between airport companies, consultants and industry. The aim was to address the shortcomings of the dated standard recipe designs used for airport surfacing in Australia.

This AAPA national model specification is intended as a guide for asset owners in the creation of technical specifications for the supply of 14 mm maximum sized airport asphalt mixes. The design criteria in this model specification were widely consulted and are based on best current practice. The document brings together years of experience with the supply of asphalt surfacing for airports in Australia. To access the specification visit: www.aapa.asn.au/aapa-national-model-specifications

A series of AAPA TechTalks were held around the country to introduce the new specifications. The TechTalks were well attended with over 125 professionals registered.

National Technology and Leadership Committee (NTLC)

At a national level the AAPA Board has installed a National Leadership and Technology Committee (NTLC) to articulate industry direction for implementable research and development. The NTLC coordinates activities of national relevance executed by state technical committees and the various specialised NTLC subcommittees. The status of each project is as follows.

**NTLC BINDERS ACTIVITIES**
Chair: Nigel Preston

<table>
<thead>
<tr>
<th>Activity</th>
<th>Deliverable</th>
<th>Anticipated completion date</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cutter Specifications</td>
<td></td>
<td>December 2018</td>
<td>In progress</td>
</tr>
<tr>
<td>Crumb rubber modified binder specification</td>
<td></td>
<td>Unknown</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>

**NTLC ASPHALT TECHNOLOGY ACTIVITIES**
Chair: Trevor Distin

<table>
<thead>
<tr>
<th>Activity</th>
<th>Deliverable</th>
<th>Anticipated completion date</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt Work Tips</td>
<td></td>
<td>Updated worktips</td>
<td>In progress</td>
</tr>
<tr>
<td>Stone mastic asphalt for airports</td>
<td></td>
<td>April 2017</td>
<td>In progress</td>
</tr>
</tbody>
</table>

**NTLC BITUMINOUS SURFACING ACTIVITIES**
Chair: Warren Carter

<table>
<thead>
<tr>
<th>Activity</th>
<th>Deliverable</th>
<th>Anticipated completion date</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Best practice guide surface preparation for spray seals</td>
<td>AAPA Guideline</td>
<td>April 2018</td>
<td>In progress</td>
</tr>
<tr>
<td>Seal design</td>
<td></td>
<td>TBA</td>
<td>TBA</td>
</tr>
</tbody>
</table>

**NTLC PAVEMENT ENGINEERING ACTIVITIES**
Chair: Bevan Sullivan

<table>
<thead>
<tr>
<th>Activity</th>
<th>Deliverable</th>
<th>Anticipated completion date</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt overlay design</td>
<td></td>
<td></td>
<td>Completed</td>
</tr>
<tr>
<td>Intermodal and Port Pavements</td>
<td></td>
<td>TBA</td>
<td>In progress</td>
</tr>
</tbody>
</table>
In each state a committee of talented and recognised experts from the industry exists to guide the local flexible pavements industry. In addition to projects of local relevance, the technical committee in each state supports technical projects of national relevance as shown below. The status of each projects is as follows:

WESTERN AUSTRALIA ACTIVITIES
Chair: Con Rimpas

Mitigating moisture entry and it’s affect in structural asphalt layers
Developing a best practice approach to the prevention of stripping in asphalt. A guideline will look at the causes of stripping and include a decision matrix for the selection of preventative measures.

Deliverable: Worktip
Anticipated completion date: Dec 2017
Status: In progress

SOUTH AUSTRALIA ACTIVITIES
Chair: Rod McArthur

Alternative binder extraction from RAP
Developing an alternative method for binder extraction from RAP based on international best practice. The intention is to propose a more time efficient method for binder extraction from RAP. This project feeds into the NSW TLC activity on developing a national reuse of RAP guideline.

Deliverable: National Test Method
Anticipated completion date: 30 June 2017
Status: Completed

Alternative water absorption test for aggregate
Investigation of AASHTO T 354-17 - Specific gravity and absorption of aggregate by volumetric immersion method. As an efficient alternative to AS1141.5, 6.1 or 6.2

Deliverable: Test Method
Anticipated completion date: TBD
Status: In planning

QUEENSLAND ACTIVITIES
Chair: Evan Boone

Local Government Asphalt Specification
Developing a national harmonised framework for the delivery of asphalt for local government roads.
Deliverable: AAPA National Model Specification
Anticipated completion date: Draft to NTLC 31 Dec 2017
Status: In progress

Crumb Rubber asphalt specification
Working with TMR and ARRB on the development of crumb rubber modified open graded and gap graded asphalt. Once validated the intention is to develop a national model specification for this technology.
Deliverable: AAPA National Model Specification
Anticipated completion date: Dec 2017
Status: Draft Complete

NEW SOUTH WALES ACTIVITIES
Chair: Russell Crabb

RAP Management Guide
Developing a national best practice guide for reuse of RAP in asphalt.
Deliverable: Draft specification/final specification
Anticipated completion date: 30 June / 31 Dec 2017
Status: Draft Complete

RMS EME2 Specification
The NSW Committee is working with RMS to finalise a specification for EME2 (high modulus asphalt)
Deliverable: RMS specification
Anticipated completion date: June 2017
Status: In progress

VICTORIAN ACTIVITIES
Chair: Shannon Malone

Forward moving spreader
Overseeing the introduction of forward moving chip spreaders to eliminate the safety concerns associated with reversing chip spreading trucks in spray sealing operations.
Deliverable: AAPA National Model Specification
Anticipated completion date: 1 July 2017
Status: In progress

Modulus lab vs field
Investigate relationship between the resilient modulus measured in the laboratory and field. Develop guidance for pavement design practice.
Deliverable: National Specification
Anticipated completion date: 30 June 2017
Status: Completed

TASMANIAN ACTIVITIES
Chair: Andrew Virieux

Cold weather sealing
Developing a national guide for sealing under cold weather conditions.
Deliverable: Worktip
Anticipated completion date: April 2018
Status: In progress

For more information please contact: Rob McGuire, NTLC Chair | rob.mcguire@boral.com.au
Erik Denneman, AAPA Director Technology and Leadership | erik.denneman@aapa.asn.au