

# Concrete Surface Characteristics, Pavement Life Cycle Cost Analysis

*Presented by:*



**Wednesday, April 4, 2018**

**Salina Area Technical College**  
2562 Centennial Rd., Salina, KS 67401

**Thursday, April 5, 2018**

**Butler County Community College**  
715 E. 13<sup>th</sup> St., Andover, KS 67002

Join the Kansas Aggregate Producers Association – Kansas Ready Mixed Concrete Association for our April Concrete Forum educational series. Nationally recognized expert Ken Justice, P.E., National Ready Mixed Concrete Association, will present on *Concrete Surface Characteristics* and on *Pavement Life Cycle Cost Analysis*. Also, Doug Burns, LEED Green Associate, Ash Grove Cement Company, will speak to *Sustainable Benefits of Concrete Pavements*.

10:00 am	<b>Welcome &amp; Opening Remarks</b> – Jerry Younger, KAPA-KRMCA
10:15 am	<b>Concrete Surface Characteristics</b> – Ken Justice, P.E., NRMCA <ul style="list-style-type: none"> <li>• Effects of:               <ul style="list-style-type: none"> <li>○ Mix Designs</li> <li>○ Finishing</li> <li>○ Curing</li> <li>○ Jointing &amp; Sawing</li> <li>○ Fibers</li> </ul> </li> <li>• Avoiding Common Problems               <ul style="list-style-type: none"> <li>○ Field problems review – cause &amp; effect</li> <li>○ NRMCA Concrete In Practice troubleshooting guides</li> </ul> </li> </ul>
11:15 am	<b>Break</b>
11:30 am	<b>Sustainable Benefits of Concrete Pavements</b> – Doug Burns, Ash Grove Cement Company <ul style="list-style-type: none"> <li>• What is Sustainability?</li> <li>• Materials</li> <li>• Impacts of concrete pavements</li> </ul>
12:00 pm	<b>Lunch</b>
12:30 pm	<b>Pavement Life Cycle Cost Analysis</b> – Ken Justice, P.E., NRMCA <ul style="list-style-type: none"> <li>• Pavement Economics</li> <li>• Life Cycle Cost Analysis</li> </ul>
1:30 pm	<b>Q&amp;A/Discussion</b>
2:00 pm	<b>Adjourn</b>

**Please Register the Following People for the KAPA-KRMCA Concrete Forum on  
Concrete Surface Characteristics,  
Pavement Life Cycle Cost Analysis**

Name:	Company:	E-Mail Address:	4/4 (Salina)	4/5 (Andover)

**Each attendee will receive the following:**

- *Sustainable Concrete Pavements: A Manual of Practice* from National Concrete Pavement Technology Center
- *Concrete in Practice: Finishing Concrete Flatwork*, National Ready Mixed Concrete Association
- *Adopting a Life-Cycle Perspective*, MIT Concrete Sustainability Hub

***Attendees will receive a certificate for 3.5 PDH at the conclusion of the event***

**Registration Details:**

**There is no cost to attend but you must register in order to attend the event! (Registration includes lunch and materials.)**

**Register no later than Thursday, March 29, by mailing your completed registration form to:**

**KAPA-KRMCA  
800 SW Jackson St # 1408, Topeka, KS 66612**

**Or E-mail to: phansen-nagy@kapa-krmca.org**

**Registration Questions? Call Peggy @ (785) 235-1188**

**April 5 Andover Attendees:** Meeting room is just inside Student Union entrance on east side of 5000 building.

**Questions about Concrete Surfaces or Life Cycle Cost Analysis? Please Contact:**

**Kansas Aggregate Producers Association - Kansas Ready Mixed Concrete Association**

Jerry Younger, P.E., Managing Director  
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