



**Asphalt Institute Regional Engineer
Activity Report
Third Quarter 2020**

**Submitted by H. Wayne Jones, P.E.
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Greetings,

Hope this continues to find everyone healthy and still able to make the best of the difficult situation we are all in since the first quarter of 2020.

Meetings & My Activities

NCAT and the Asphalt Institute combined are conducting a research project titled *NCHRP 09-63: Calibrated and Validated National Performance-Related Specification for Emulsified Asphalt Binder*.



The objective of this research is to develop a national performance-related specification for emulsified asphalts used with chip seals, slurry seals, and microsurfacing similar to the AASHTO M-320 PG Binder Grading system. The process is to establish a series of test sections of surface treatments (chip seal, slurry seal and microsurfacing). Once projects are identified, distress surveys are done prior to the application. Then the application rates are determined during the treatment by collecting aggregate and emulsion mixture samples. AIRE Greg Harder heads up the process of picking sites and collecting the appropriate samples. And like several other AIRE's around the country, I had the opportunity to assist Greg sampling a microsurfacing project on SR-117, north of Huntsville, OH. Thanks

also goes out ODOT State Asphalt Engineer, Eric Biehl, for his assistance in providing a list of active projects and for visiting the test site and snapping the accompanying photo.

EDC: Targeted Overlay Pavement Solutions (TOPS)

Every Day Counts (EDC) Initiatives is a program where FHWA works with State transportation departments, local governments, private industry and other stakeholders to identify a new collection of innovations to champion every two years that merit accelerated deployment. This year's initiative represents the sixth EDC cycle and based on the description below, Targeted Overlay Pavement Solutions

(TOPS) is one of the proposed initiatives. Once the topic was framed at the FHWA's in-house Resource Center, a call went out to both the Asphalt and PCC industry for volunteers to help flesh out the initiative. Mark Buncher asked me to represent AI on this effort. If the group is successful and TOPS is selected as one of the EDC-6 topics, the panel will be active over a two-year period, 2021 and 2022. Initially, the entire panel met collectively in a virtual meeting to learn more about the EDC program and its past successes. Next, we were coached on how to be proponents for innovation and how to expedite the overall acceptance process of a new technology.

The next step was to split the panel into industry segments and to begin cataloging new innovative overlay technologies. The asphalt group put together a list of almost a dozen relatively new technologies to incorporate into our synthesis that describes each technology, explains the distresses it addresses, and the long-term benefits of specifying a particular technology. Sorry, since it's a draft, I am unable to share the list at this time.

After each industry completed their individual synthesis, the panel again met collectively to meld the two into a single document. Once completed, the document was submitted back to the Resource Center for consideration as an official EDC-6 Initiative. Stay tuned!!

On a personal note, that I am most proud of; the original topic was Targeted Pavement Overlay Solutions (TPOS). Realizing this name did not roll off the tongue very easily, I suggested to the asphalt team the title Targeted Overlay Pavement Solutions (TOPS). The asphalt team readily agreed and then the PCC team signed on and the new proposed EDC-6 initiative will forever be known as TOPS!



Every Day Counts
Innovation for a Nation
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A State-based model that identifies and deploys proven, yet underutilized innovations — saving time, money and resources that can be used to deliver more projects.

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Targeted Overlay Pavement Solutions (TOPS): Pavement overlays represent a significant portion of highway infrastructure dollars. State and local highway agencies can maximize this investment and help ensure safer, longer-lasting roadways by employing innovative overlay procedures that will improve pavement performance, lessen traffic impacts, and reduce the cost of pavement ownership.

<https://www.fhwa.dot.gov/innovation/everydaycounts/>

Name	Agency	Contribution to Team
Tim Aschenbrener Sam Tyson	FHWA	TOPS Team Co-Leader (Asphalt) TOPS Team Co-Leader (Concrete)
Derek Nener-Plante	FHWA Resource Center	Asphalt SME
Bob Conway	FHWA Research Center	Concrete SME
Gina Ahlstrom Chris Wagner Hans Anker	FHWA FHWA Resource Center FHWA NY Division	TOPS Team Advisors
Robert Blight Peter Wu Sheila Hines Howie Moseley Ryan Barborak	New Jersey DOT Georgia DOT Georgia DOT Florida DOT Texas DOT	State Asphalt Users
Tom Bennert Tom Scullion Buzz Powell	Rutgers University TTI Texas A&M University Auburn University	Asphalt Researchers
Wayne Jones Brett Williams	Asphalt Institute National Asphalt Pavement Assoc.	Asphalt Industry Leaders
Steve Norton Todd Hanson Andy Naranjo Jeff Uhlmeyer Eric Prieve	Connecticut DOT Iowa DOT Texas DOT Washington State DOT Colorado DOT	State Concrete Users
John Adam Tara Cavalline	National Concrete Pavement Technology Center Iowa State Univ. University of NC at Charlotte	Concrete Researchers
Leif Wathne Rich Rogers Lisa Lukefahr	American Concrete Pavement Assoc. Cement Council of Texas Texas Concrete Paving Assoc.	Concrete Industry Leaders

With the release of our new 3rd edition of *MS-22 Constructing Quality Asphalt Pavements* and the loss of face-to-face training opportunities, we have shifted our focus to develop virtual training opportunities for our one-day and multiple day training and certification seminars. As such, I have been working on or helping to update the following:

- Six hours of training for the National Pavement Expo and Conference in Nashville, TN January 20th – 22nd
- Seven hours of presentation for the WVDOH Asphalt Field and Compaction Technician Certification course next scheduled for February 17th
- Alpha testing of our online Pavement Inspector Certification Course (PIC) that we hope to debut in early 2021

- Developing an additional module for the online PIC course directed toward the Department of Defense Unified Specifications used on military airfields. We are calling it PIC-MA, and hope to release it in mid-year 2021

As always, if you need more information on any of these items, or if I can be of service in any way to you or your organization, please do not hesitate to contact me. Be healthy and safe!!

Sincerely,

Wayne Jones

Senior Regional Engineer