

TRB Concrete Materials Section
and
AASHTO
Collaboration to Promote Funding of
Concrete Research

Tara Cavalline, UNC Charlotte
Former Chair TRB AFN 20, Properties of Concrete
Member, TRB Design and Construction Group

April 23, 2015



UNC CHARLOTTE

Transportation Research Board (TRB) Concrete Materials Section

Concrete Section Chair: Mohammad Khan, PSI

Committee Code / Name		Chair
AFN10	Basic Research and Emerging Technologies Related to Concrete	John Kevern, University of Missouri – Kansas City
AFN15T	Task Force on Nanotechnology- Based Concrete Materials	Georgene Geary, GGfGA Engineering
AFN20	Properties of Concrete	Norb Delatte, Cleveland State University
AFN30	Durability of Concrete	Don Streeter, NYSDOT
AFN40	Concrete Materials and Placement Techniques	Mark Felag, RIDOT

TRB Research Needs Statements (RNS) Database

<http://rns.trb.org>

Search by:

- committee
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Goals:

- Provide centralized source to disseminate research needs to practitioners, researchers, others
- Obtain funding from external programs

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CRC - Committee Research Coordinators
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TRT - Transportation Research Thesaurus
Research Funding

An important function of the Transportation Research Board (TRB) is to stimulate research that addresses concerns, issues, or problems facing the transportation community. In support of this function, TRB Technical Activities standing committees identify, develop, and disseminate research need statements (RNS) for use by practitioners, researchers, and others. The RNS on this website have been developed by the technical committees.

Search

- To retrieve a record or records in the database, enter a word or phrase in the "Search Term" box.
- For a wild-card search, use an asterisk (*) after a partial word.
- For a boolean search, use OR, AND, or AND NOT between words or phrases.
- For the committee field, click "Lookup" to search based on your entered text.

Search Phrase

For questions about statements in the RNS database or how to access the RNS database contact: Michael DeCarmino Program Officer Transportation Research Board Phone: (202) 334-2952 Email: mdecarmine@nas.edu	For general questions or comments about the RNS database contact: Bill McLeod TRIS Manager Transportation Research Board Phone: (202) 334-1340 Email: wmcleod@nas.edu
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AASHTO Subcommittee on Materials

Technical Section 3

Committee Code / Name		Chair
SOM TS 3a	Hydraulic Cement and Lime	Mark Felag, Rhode Island DOT
SOM TS 3b	Concrete Materials and Fresh Concrete Properties	Mick Syslo, Nebraska DOT
SOM TS 3c	Hardened Concrete Properties	Steven Krebs, Wisconsin DOT



TRB / AASHTO Collaboration

1. Single RNS supported jointly by all TRB Concrete Section committees is developed
2. AASHTO “champion” identified, seeks support of AASHTO Subcommittees on Materials (SOM)
3. AASHTO SOM seeks feedback/endorsement from NCHRP personnel on RNS
4. AASHTO SOM submits final version of RNS to the AASHTO SOM Research Group
5. AASHTO Standing Committee on Research (SCOR) and AASHTO Research Advisory Committee (RAC) representatives rate all problem statements and vote ***

*** Standing Committee on Highways (SCOH)
votes on prioritization of NCHRP 20-7
(immediate need) projects

 NCHRP FUNDING 

Status Update

Code / RNS Topic		Status
NCHRP 18-17	Entrained Air Void System for Durable Highway Concrete	Funded, \$600,000 Proposals in review
NCHRP 20-7 (SCOH Voting)	Using Resistivity Measurements to Develop a Formation Factor Specification	Statement endorsed by TRB AFN Endorsed by AASHTO SOM (Ranked tied for 1 st) May 14 th vote by Chief Engineers
???	Assessment and Prediction of the Durability and Service Life of Cracked Concrete	Statement endorsed by TRB AFN Final version being edited Will be submitted AASHTO SOM

How can you help?

Make AASHTO SOM/SOC/SOBS and SCOR/RAC representatives and Chief Engineer (SCOH representative) aware of your support