

Research Notes

Program Steering Committee (PSC): Pavement

June 2014

Title: Technology Transfer Concrete Consortium

Task Number: 1662, Pooled Fund TPF-5(159)

Start Date: January 09, 2008

Completion Date: December 31, 2014

Task Manager:

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TITLE:

Technology Transfer Concrete Consortium

WHAT IS THE NEED?

State departments of transportation (DOTs) are increasingly challenged to build longer life concrete pavements that result in a higher level of user satisfaction for the public. One of the strategies for achieving longer life pavements is to use innovative materials and construction optimization technologies and practices. In order to foster new technologies and practices, experts from state DOTs, Federal Highway Administration (FHWA), academia and industry must collaborate to identify and examine new concrete pavement research initiatives. The purpose of this pooled fund project is to identify, support, facilitate and fund concrete research and technology transfer initiatives through national forums that will take place at least twice a year.

WHAT ARE WE DOING?

This pooled fund project provides the participating agencies with national forum for the technical exchange needed for collaboration and new initiatives in concrete materials and pavement related issues. The Iowa DOT serves as the lead state among 27 state highway agencies, including Caltrans, participate in this consortium.

All efforts by the TTCC will be focused towards these project activities and deliverables:

- Identify and direct the development and funding of technology transfer materials such as tech brief summaries and training materials from research results.
- Provide research ideas to funding agencies.
- Identify and instigate needed research projects.
- Develop pooled fund research projects for solutions to concrete materials and pavement related issues.
- Act as a technology exchange forum for the participating entities.

WHAT IS OUR GOAL?

Share technical knowledge and experience in the area of concrete materials and pavement. Learn and implement emerging and innovative technologies that will help us achieve better performing and longer lasting concrete pavements.

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WHAT IS THE BENEFIT?

This pooled fund provides the opportunity for the participating states to be a part of new developments in concrete paving and the implementation of new technologies, which would lead to longer life pavements through the use of innovative testing, construction optimization technologies and practices, and technology transfer.

WHAT IS THE PROGRESS TO DATE?

National forums have been held on a regular basis, twice a year in spring and fall, at various locations. Presentations, meeting minutes and project products are available at the National Concrete Pavement Technology Center's web site at:

<http://www.cptechcenter.org/technical-library/TTCC-NCC-search/>

This TPF project will be closed at the end of year 2014, and a new project will begin in the year 2015 to continue this work as the phase II study. A new TPF solicitation has been posted for this work. Caltrans decided to continue participating in this consortium, and the new task ID for the phase II participation is Task 2746.