

## TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT):           IOWA DOT          

**INSTRUCTIONS:**

*Project Managers and/or research project investigators should complete a quarterly progress report for each calendar quarter during which the projects are active. Please provide a project schedule status of the research activities tied to each task that is defined in the proposal; a percentage completion of each task; a concise discussion (2 or 3 sentences) of the current status, including accomplishments and problems encountered, if any. List all tasks, even if no work was done during this period.*

<b>Transportation Pooled Fund Program Project #</b> TPF-5(159)	<b>Transportation Pooled Fund Program - Report Period:</b> <input type="checkbox"/> Quarter 1 (January 1 – March 31) <input checked="" type="checkbox"/> Quarter 2 (April 1 – June 30) <input type="checkbox"/> Quarter 3 (July 1 – September 30) <input type="checkbox"/> Quarter 4 (October 4 – December 31)	
<b>Project Title:</b> Technology Transfer Concrete Consortium (TTCC)		
<b>Project Manager:</b> Tom Cackler	<b>Phone:</b> 294-3532	<b>E-mail:</b> tcackler@iastate.edu
<b>Project Investigator:</b> Tom Cackler	<b>Phone:</b> 294-3532	<b>E-mail:</b> tcackler@iastate.edu
<b>Lead Agency Project ID:</b> RT 0273	<b>Other Project ID (i.e., contract #):</b> Addendum 315	<b>Project Start Date:</b> 1/27/07
<b>Original Project End Date:</b> 6/30/14	<b>Current Project End Date:</b>	<b>Number of Extensions:</b>

Project schedule status:

On schedule     On revised schedule     Ahead of schedule     Behind schedule

Overall Project Statistics:

Total Project Budget	Total Cost to Date for Project	Total Percentage of Work Completed
519,000	303,408	Not Applicable: On-going Study

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
44,285		

**Project Description:**

Increasingly, state departments of transportation (DOTs) are challenged to design and 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.

The goal of the TTCC is to:

- Identify needed research projects
- Develop pooled fund initiatives
- Provide a forum for technology exchange between participants
- Develop and fund technology transfer materials
- Provide on-going communication of research needs faced by state agencies to the FHWA, industry, and CP Tech Center
- Provide guidance as part of the Track Team for the CP Road Map Mix Design and Analysis Track
- Provide assistance as requested by the CP Road Map Executive Committee on other select tracks as needed

**Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):**

Spring meeting held in Indianapolis, April 26-28<sup>th</sup> – presentations and notes are available on the CP Tech Center's website.

Theme: Accelerated Construction

- April 26th Agenda:
  - Design considerations for accelerated construction conditions
  - Construction under accelerated conditions
  - Mix considerations for accelerated construction conditions
  - Equipment innovations
  - Case Studies
- April 27th Agenda:
  - Overview of FHWA's QA/QC Program for Concrete Pavements
  - Field Tour of I70/465 Project and Purdue's Laboratory
- April 28th Agenda: State Reports
  - Each state to summarize current QC/QA requirements for pavements
  - Identify any differences in QC/QA requirements on projects with accelerated schedules
  - Summarize the requirements for allowable time between batching and placement for agitated and non-agitated concrete mixes
- Planning for Fall meeting in South Dakota, September 13-15

**Anticipated work next quarter:**

- Fall meeting in South Dakota, September 13-15

**Significant Results:**

**Circumstance affecting project or budget (Describe any challenges encountered or anticipated that might affect the completion of the project within the time, scope, and fiscal constraints set forth in the agreement, along with recommended solutions to those problems).**