

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.

Transportation Pooled Fund Program Project # TPF-5(159)	Transportation Pooled Fund Program - Report Period: Quarter 1 (January 1 – March 31), 2012 Quarter 2 (April 1 – June 30), 2012 Quarter 3 (July 1 – September 30), 2012 <input checked="" type="checkbox"/> Quarter 4 (October 4 – December 31), 2012	
Project Title: Technology Transfer Concrete Consortium (TTCC)		
Project Manager: Linda Narigon	Phone: 515-239-1471	E-mail: Linda.Narigon@dot.iowa.gov
Project Investigator: Tom Cackler	Phone: 515-294-3532	E-mail: tcackler@iastate.edu
Lead Agency Project ID: RT 0273	Other Project ID (i.e., contract #): Addendum 315	Project Start Date: 1/27/07
Original Project End Date:	Current Project End Date 6/30/13 Ongoing*	Number of Extensions: Incremental funding, PFS

Project schedule status: * Administrative Contract End Date is 6/30/13. Administrative contract, which includes work scope components determined by the TAC, is evaluated on an annual basis. Commitments are being accepted through 2015.

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
\$651,000	\$626,517	On-going activities

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$33,570		

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/Analysis Track
- Provide assistance as requested by the CP Road Map Executive Committee on other select tracks

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

- Spring meeting is being planned for Philadelphia, Pennsylvania April 2-4, 2013.
- Preliminary agenda

Tuesday, April 2 – Research and Technology Presentations

6:30 am	Complimentary full breakfast buffet for all hotel guests (location: hotel breakfast room)
7:30 - 8:00 am	Registration/coffee (Grand Ballroom)
8:00 am	Welcome – Les Toaso, PennDOT District 6 Executive
8:15 am	Research and Technology Deployment Updates – Peter Taylor <ul style="list-style-type: none">• Durability-based spec's – Peter Taylor, CP Tech Center<ul style="list-style-type: none">○ Synthesis results○ Task force report on draft TPF project
9:00 am	Constructing Concrete Roundabouts <ul style="list-style-type: none">• Colorado and Kansas – Mark Snyder, ACPA-PA
9:30 am	Dowels <ul style="list-style-type: none">• Epoxy coating spec's for dowel bars/relative merits of thicker coatings – Dave McDonald, EIG-CRSI
10:00 am	Morning Break
10:30 am	Dowels (continued) <ul style="list-style-type: none">• ACPA-Dowel alignment spec – Robert Rodden, ACPA
11:00 am	Crack repair: looking at different distresses and how/when to repair in lieu of slab replacement –
11:30 am	Cement Task Force Reports <ul style="list-style-type: none">• Performance of Type 1L cements with slag cement – John Melander, Slag Cement Association
12 noon	Lunch Break
1:00 pm	Cement Task Force Reports (continued) <ul style="list-style-type: none">• Georgia DOT evaluation of C150 and C595 1L cements – Peter Bohme, Holcim
1:30 pm	NH and RI on use of new technologies – Alan Rawson/Mark Felag
2:10 pm	Pre Cast Pavement: Ft Miller Technology - Dan Moellman
2:40 pm	FHWA Updates-Suneel Vanikar/Gary Crawford <ul style="list-style-type: none">• New cooperative agreement with the CP Tech Center• Technology deployment plans
3:10 pm	Afternoon Break
3:30 pm	MIT Update – Jim Mack, Cemex
4:00 pm	CP Tech Center Updates <ul style="list-style-type: none">• NCC web site – Peter Taylor

Wednesday, April 3

- 6:30 am Complimentary full breakfast buffet for all hotel guests (location: hotel breakfast room)
- 8:00 am Thin concrete overlays and pavements
- Plano, Texas, Thin Overlay – Mauricio Ruiz, Transtec
 - Thin Concrete Pavements – Jeff Roesler and Juan Pablo Covarrubias
 - South Africa – Peter Taylor
- 10:00 am **Morning Break**
- 10:30 am Thin concrete overlays and pavements
- MnRoad Research – Tom Burnham, MinnDOT
- 11:00 am The future for QC/QA tools
- Intro to Technology demonstrations – Peter Taylor, Jim Grove
- 11:30 am Pick up box lunches and board buses
- 12:00 noon Buses depart for construction site and district office for demonstrations

Thursday, April 4 – Research and Technology Presentations

- 6:30 am Complimentary full breakfast buffet for all hotel guests (location: hotel breakfast room)
- 8:00 am Business Meeting
- Domestic scan proposal status
 - Fall 2013 meeting in North Carolina
 - Elections: the following members' terms expire
 - AASHTO Region 1 (currently held by Scott Nazar)
 - AASHTO Region 3 (currently held by Maria Masten)
 - Chair (currently held by Brett Trautman)
 - Contractor (currently held by Matt Ross)
 - Supplier (currently held by Steve Tritsch)
- 9:00 am State practices questions: IRI ride spec – when to measure – influences of warping and curling
- Do you have a problem with warping and curling on your concrete pavements?
 - How common is the problem (if you have one)?
 - At what point do you allow the contractor to test for ride compliance?
 - As the pavement gets older, do you see the warping and curling increasing or decreasing?
 - What is your state doing to minimize warping and curling in concrete pavements?
- 10:00 am **Morning Break**
- 10:15 am State reports – continued
- 11:45 am Adjourn

Anticipated work next quarter:

- Hold the conference
- Work on Durability Synthesis

Significant Results:

See http://www.cptechcenter.org/t2/ttcc_ncc_meeting.cfm

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).