

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(233)	Transportation Pooled Fund Program - Report Period: x Quarter 1 (January 1 – March 31, 2015) Quarter 2 (April 1 – June 30, 2015) Quarter 3 (July 1 – September 30, 2015) Quarter 4 (October 1 – December 31, 2015)	
Project Title: Technology Transfer Intelligent Compaction Consortium (TTICC)		
Project Manager: Steve Megivern	Phone: 239-1936	E-mail: stephen.megivern@iowa.dot.gov
Project Investigator: David White Pavana Vennapusa	Phone: 294-1463 294-2395	E-mail: djwhite@iastate.edu pavanv@iastate.edu
Lead Agency Project ID: RT 0347	Other Project ID (i.e., contract #): Addendum 385	Project Start Date: 8/6/10
Original Project End Date: 3/15/14	Current Project End Date: 06/30/2015	Number of Extensions: Ongoing pooled fund; interim budgets

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
\$349,000	\$268,203.24	ongoing

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$6,318.96		

Project Description:

Increasingly, state departments of transportation (DOTs) are challenged to design and build longer life 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 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 and emerging technologies and systems. The purpose of this pooled fund project is to identify, support, facilitate and fund intelligent compaction research and technology transfer initiatives.

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

- TTICC – ISU team developed the 3rd workshop report compiling all the items presented at the workshop.
- IC projects map on the CEER-TTICC website has been updated. Information on several new projects have been gathered and the map is currently being updated.
- A web-meeting was held on March 6, 2015. The meeting agenda is attached. Key items from the meeting:
 - TTICC members were invited to CARCI conference hosted by Iowa State University and to be held in June 2-3, 2015.
 - Discussed 2015 TTICC meeting and was tentatively planned for October/November 2015 in KY.
 - Received updates from KY, MO, PA, CA, VA, GA, WI, OH, and IA DOT representatives.
 - Reviewed the 3rd Workshop Report.
 - Showed slides on high energy impact compaction (HEIC) and SHRP2 geotech tools website.
 - Reviewed California DOT's CIR specification.
- Contacted three state DOT (MO, GA, and AK) representatives regarding information for IC case history tech briefs.
- A new version of the *Intelligent Compaction for Soils, Aggregate, and HMA* presentation slides is provided on the CEER-TTICC website (<http://www.ceer.iastate.edu/tticc/>).

Anticipated work next quarter:

- Gather information on 3 new IC tech briefs as referenced above.
- Updates to TTICC web page.
- Planning for 2015 meeting (tentatively October in KY).

Significant Results:

- Planned for TTICC 2015 meeting.
- 3rd Workshop Report.
- Updates to webpage.

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).

TAC committee:

Technology Transfer Intelligent Compaction Consortium TPF 5(233)			
Representing	Name	Organization	Email
Iowa State Univ	David White	ISU	djwhite@iastate.edu
	Sharon Prochnow	ISU	prochnow@iastate.edu
	Heath Gieselman	ISU	giese@iastate.edu
	Pavana Vennapusa	ISU	pavanv@iastate.edu
California	Peter Vacura	Caltrans	peter.vacura@dot.ca.gov
	Haniel Chung	Caltrans	haniel.chung@dot.ca.gov
	James Lee	Caltrans	james_n_lee@dot.ca.gov
Georgia-2	Ian Rish	Georgia DOT	irish@dot.ga.gov
	Georgene Geary	Georgia DOT	ggeary@dot.ga.gov
	Alfred Casteel	Georgia DOT	acasteel@dot.ga.gov
Iowa-2	Stephen Megivern	Iowa DOT	stephen.megivern@dot.iowa.gov
	Melissa Serio	Iowa DOT	melissa.serio@dot.iowa.gov
	Peggi Knight	Iowa DOT	peggi.knight@dot.iowa.gov
	Scott Schram	Iowa DOT	scott.schram@dot.iowa.gov
	Jeffrey Schmitt	Iowa DOT	jeffrey.schmitt@dot.iowa.gov
Kentucky	Adam Ross	KyDOT	adam.ross@ky.gov
	David Hunsucker	Univ Ky	David.Hunsucker@uky.edu
	Clark Graves	Univ Ky	clark.graves@uky.edu
	Brad Rister	Univ Ky	brad.rister@uky.edu
	Kean Ashurst	Univ Ky	kean.ashurst@uky.edu
Missouri-2	William Stone	MoDOT	william.stone@modot.mo.gov
	Kevin McLain	MoDOT	kevin.mclain@modot.mo.gov
Ohio	Craig Landefeld	OhDOT	Craig.Landefeld@dot.state.oh.us
	Steve Slomski	OhDOT	stephen.slomski@dot.state.oh.us
Pennsylvania	Daniel Clark	PennDOT	danielclar@pa.gov
	Lisa Tarson	PennDOT	ltarson@pa.gov
Virginia	Edward Hoppe	VaDOT	edward.hoppe@vdot.virginia.gov
Wisconsin-2	Judith Ryan	WiDOT	judith.ryan@dot.wi.gov
	Jed Peters	WiDOT	jed.peters@dot.wi.gov
FHWA	Fred Faridazar	FHWA	fred.faridazar@fhwa.dot.gov
	Max Grogg	FHWA-Iowa	max.grogg@dot.gov

TAC meeting held September 3-4, 2014 – Harrisburg, Pennsylvania

Attendees:

Name		Organization
Alfred	Casteel	Georgia DOT
Daniel	Clark	Pennsylvania DOT
Edward	Hoppe	Virginia DOT
David	Hunsucker	University of Kentucky
James	Lee	Caltrans
Sheri	Little	Pennsylvania DOT
Kevin	McLain	Missouri DOT
Antonio	Nieves	FHWA
Ian	Rish	Georgia DOT
Adam	Ross	Kentucky Transportation Cabinet
Judith	Ryan	Wisconsin DOT
Melissa	Serio	Iowa DOT
Stephen	Slomski	Ohio DOT
William	Stone	Missouri DOT
Pavana	Vennapusa	CEER-ISU
David	White	CEER-ISU
Guests		
Bill	Ahearn	Vermont DOT
Tim	Kowalski	Hamm/Wirtgen America
Kirk	McClelland	AB Consultants
Todd	Pollock	SITECH Allegheny

AGENDA

TTICC Web Meeting: TPF-5(233)

Date: March 6, 2015 (10:00 to 11:30 pm Central)

1. Welcome
2. Discuss upcoming 2015 Meetings
 - a. CARCI Conference June 2-3, 2015 (all expenses covered) (<http://www.ceer.iastate.edu/CARCI/Index.cfm>).
 - b. TTICC – ~ Oct./Nov 2015 in Kentucky.
3. Quick review of 2014 Workshop Report.
4. Update on Tech Briefs.
5. TTICC Website Updates (<http://www.ceer.iastate.edu/tticc/>).
6. State DOT Project Updates.
7. California CIR Specification Review.
8. High Energy Impact Compaction – IC (www.geotechtools.org).
9. Other?
10. Final thoughts and follow-up action items!