

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(286)	Transportation Pooled Fund Program - Report Period: Quarter 1 (January 1 – March 31, 2014) Quarter 2 (April 1 – June 30, 2014) X Quarter 3 (July 1 – September 30, 2014) Quarter 4 (October 4 – December 31, 2014)	
Project Title: Next Generation Concrete Pavement Road Map		
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Lead Agency Project ID: RT	Other Project ID (i.e., contract #): Addendum 482	Project Start Date: 9/15/13
Original Project End Date: 12/31/14	Original Project End Date:	Number of Extensions:

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
\$265,000	\$71,829.06	50

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$42,594.94	N/A	N/A

Project Description:

This pooled fund project will carry on the work started by FHWA's initial Concrete Pavement Road Map Pooled Fund, TPF-5(185) and continue the effort to identify and prioritize needed research but will have a stronger focus on supporting the sponsoring states with technology deployment activities so that advancements in technologies can be implemented into practice.

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 with fewer resources. One of the strategies for achieving longer life pavements is to foster new technologies and practices. Experts from state DOTs, 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 concrete research, training and technology transfer needs through the CP Road Map.

Work under this task order relates to tasks 1 through 4.

1. Provide training workshops and/or webinars for each participating state on a topic of interest.
2. Develop specifications for new technologies
3. Maintain a database addressing research gaps
4. Conduct quarterly TAC

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

- August e-news and MAP Brief were distributed. MAP brief topic was "Deicing Salts and Concrete Pavements". Link to it: <http://www.cproadmap.org/publications/MAPbriefAugust2014.pdf> .
- Coordination with Georgia DOT for development of the October E-News.
- Began work on a new PCC overlay specification for use by state and local transportation agencies.
- A TAC meeting was held August 18th (minutes are attached).

Anticipated work next quarter:

- Finalize dates, locations, and topics for training events.
- Issue next new e-news newsletters and MAP Briefs. The next two MAP Briefs will focus on aggregate gradations for concrete mixtures and concrete permeability.
- Complete development of new PCC overlay specifications.
- Continue to update research database as further state interviews are completed.
- A TAC meeting will be scheduled.

Significant Results:

Opportunity for state DOTs to go to a single source to find concrete related research.

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).

No budget issues.

August 18, 2014 TAC Meeting Minutes

Attendees:

Jason Waters, Georgia DOT
Larry Ligon, Pennsylvania DOT
Janet Arellano, Pennsylvania DOT
Gina Ahlstrom, FHWA
Kevin Merryman, Iowa DOT
Todd Hanson, Iowa DOT
Kenny Seward, Oklahoma DOT
John Staton, Michigan DOT
Tom Cackler, CP Tech Center
Peter Taylor, CP Tech Center
Tony Babcock, CP Tech Center
Dale Harrington, Snyder & Associates, Inc.
Steve Klocke, Snyder & Associates, Inc.
Gary Fick, Trinity Construction

Tom welcomed the attendees to the conference call.

Training

Dale discussed the training and explained the pool fund allows for training on 12 subject matters. Dale stated John Staton indicated he would like training on 3D stringless paving. Dale asked the other states if they would contact him and let him know what training they would like so they can begin getting it scheduled for this fall. He stated the training is paid for by their state and it is available. Dale asked if they would please contact him this week to discuss the training.

Tom asked John what he was looking for on the stringless paving training. John stated they would like information on state of the practice and what the DOTs role if on quality assurance.

Tom stated the Center hosted a workshop in Missouri on 3D models that is used to support stringless paving. Tom stated John Wolisol was at the workshop in Missouri and may have some information to share with John. John stated he would like to have some of their technicians attend the training. Tom said they can get the training scheduled for them.

Dale asked Penn DOT about the training. Janet Arellano stated they will look at the flyer and get back to Dale.

Jason Waters stated he hasn't looked at the flyer either but they will look at it this week and get in contact with Dale.

Kenny Seward stated they have had most of the training however, they would like the 3D stringless paving training. Dale will contact Kenny.

Kevin and/or Todd will contact Dale on training for Iowa.

Dale asked Gina Ahlstrom if they have any need for any of the training and she will let him know.

Overlay Guide Specification

Dale went over the outline for the specification and stated the introduction provides background for overlays. There are three parts to the specification: General, Products and Equipment and Execution. The committee did not have any comments on the outline.

Introduction

Gary discussed the Introduction section of the specification and stated it explains types of overlays. Gary stated there are footnotes that give cross-reference information. No comments on the Introduction.

Steve discussed the General section and what was included. He stated some of the sections state to use the standard DOT specification requirements.

Dale asked the TAC on the samples and tests section would they like the tests listed or should it just state to use the standard DOT specification requirements. The TAC agreed they should take out the list of tests and state to use local requirements.

PART 1

Steve went over the Measurement and Payment section of the specification. Dale stated to keep in mind some of the information may not fit a particular state however it is in there for other states they may need the information. Dale asked the TAC to see if there is something that is missing or not needed.

John stated in Limitations – how it is stated makes it appear you would use geotextile every time. TAC agreed limitations will be moved to part 3. Kenny felt temperature should be addressed in part 3 and not in the limitations.

TAC asked if surface prep for unbonded overlays and milling are they the same thing. It was stated you always have to clean the surface and didn't feel this should be a separate bid item. TAC agreed to have milling listed as a bid item.

Steve continued to review the specification. He stated the enhanced curing section was added per a request from the previous TAC conference call. No TAC Comment.

Steve stated Curb and Gutter was also added for additional guidance however you could use the local specifications. The TAC stated they don't need a lot of detail as they have local standards and it is included in the paving quantity. The TAC agreed to delete Curb and Gutter from the specifications.

Steve asked the TAC if they want information on Fixtures and Adjustments. The TAC would like to see some information on joint layout. Fixtures should say follow standard specifications. Dale stated they could add a footnote with further information. TAC asked about adding the best practices for the adjustments in the footnote.

Steve asked if they would like sampling and testing as incidental. The TAC stated sampling and testing is usually incidental and not a separate item. The specification will state to follow the local specification requirements.

PART 2

Gary reviewed part 2 of the specifications. Gary stated the approach is to give a starting point or checklist. He stated the specification is to include the items that need attention.

Gary explained the footnotes show a brief explanation and a reference for further information.

The TAC would like fiber reinforcement as an optional requirement. A footnote will also be added to state it is not a requirement.

Gary stated for the Curing a footnote will be added that it is optional.

John stated for the table showing geotextile a note should be added to consult their local DOT on their requirements.

Tom asked about moving some of the Limitations to the Execution Part.

Peter asked about sawing production. Gary stated to address this in the Scheduling and conflicts with the sawing depths.

The TAC felt the guide specification was going in the right direction.

Archiving Information from NC states

Peter discussed archiving questions and stated he records the questions on a spreadsheet. They do not keep track of the responses. As they refocus the NC² contract Linda suggested it be an activity under the NC² contract. Peter stated we can ask for the responder to send a summary and include it in the tracking.

E-News Update

Steve went over the states covered to date in the E-News. He stated we are following the same format from previous E-News. The News from the Road and the section on the update from the states is included as before.

Dale encouraged the TAC to look at the MAP Briefs and E-News as they contain very good information. The next E-News and MAP Brief will come out in September. The TAC agreed the format is good.

MAP Brief Update

Peter talked about the MAP Briefs that have been done. He stated the Deicing Salts and Concrete Pavements MAP Brief was well received.

The next MAP Brief will be on Aggregate Gradation and Peter will develop an outline and then have Tyler Ley (Oklahoma State University) write the MAP Brief.

Peter stated the Life Cycle Cost Analysis is scheduled to be the last MAP Brief.

Dale asked the TAC if permeability or Air Void System should be done instead of Life Cycle Cost Analysis.

Internal Curing was also suggested as a MAP Brief topic.

The TAC felt Permeability should be done as a MAP Brief.

Tom stated the next call will be in October to review the draft specifications. We will send a Doodle Calendar to get it scheduled.

Meeting adjourned.