### Transportation Pooled Fund Program Project # TPF-5(286)

#### Transportation Pooled Fund Program - Report Period:
- Quarter 1 (January 1 – March 31, 2018)
- Quarter 2 (April 1 – June 30, 2018)
- Quarter 3 (July 1 – September 30, 2018)
- X Quarter 4 (October 4 – December 31, 2018)

#### Project Title:
Next Generation Concrete Pavement Road Map

#### Project Manager:
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#### Project Investigator:
- Peter Taylor
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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:
3/31/19

#### Project End Date:
3/31/19

#### Number of Extensions:
Pooled fund project – yearly budgets

#### On schedule: X

<table>
<thead>
<tr>
<th>Overall Project Statistics:</th>
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<tbody>
<tr>
<td><strong>Total Project Budget</strong></td>
</tr>
<tr>
<td>$635,000</td>
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#### Quarterly Project Statistics:

<table>
<thead>
<tr>
<th><strong>Total Project Expenses This Quarter</strong></th>
<th><strong>Total Amount of Funds Expended This Quarter</strong></th>
<th><strong>Percentage of Work Completed This Quarter</strong></th>
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<tbody>
<tr>
<td>$32,188.89</td>
<td>N/A</td>
<td>N/A</td>
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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.):

IMCP Manual refresh
- Editing for grammar is complete and work has started on images and references.

E-News, Map Briefs, Training and Data Base
- Investigate recent concrete pavement related research for inclusion in the database.
  - The December 2018 MAP brief provides a summary of the performance and lessons learned from the SPS-2 test sections and includes highlights from the SPS-2 Tech Days. [http://www.cproadmap.org/publications/MAPbriefDecember2018.pdf](http://www.cproadmap.org/publications/MAPbriefDecember2018.pdf)
  - Training - Webinar Training on Microfibers for Concrete Pavements. Presenters Jeff Roesler (University of Illinois Urbana-Champaign) and Amanda Bordelon (Utah Valley University)
    - This three-webinar series was sponsored by the CP Tech Center and are available on the CP Tech Center website. The series cover the following topics:
      - October 24, 2018 - Fiber Reinforced Concrete Overview
      - November 7, 2018 - Effects of Macrofibers on Behavior and Performance of Concrete Slabs and Overlays
      - December 5, 2018 - Overview of Macrofiber Software and Guidelines for Concrete Overlay Design
      - The latest CP Tech Center publications were highlighted
      - News from the Road: News from the Road highlights research around the country that is helping the concrete pavement community meet the research objectives outlined in the CP Road Map. The research projects and the summaries described herein are the products of the researchers and sponsors.

Anticipated work next quarter:
- IMCP Manual - Complete the revisions and editing for the IMCP manual.
- E-News - Develop the spring 2019 E-News

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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).

No budget issues.

TAC Members

<table>
<thead>
<tr>
<th>Name</th>
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