



## Next Generation Concrete Pavement Road Map TPF-5(286)

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### Project Deliverables

The Next Generation Concrete Pavement Road Map (Next Gen CP Road Map) pooled fund was established to identify and prioritize research needs and focus on supporting the sponsoring states with training and technical products so that advancements in technologies can be implemented.

- Provide training workshops and/or webinars for each participating state on a topic of interest**  
 The Center developed workshop material in 10 subject areas and each state could request training in one of these areas. The material in each of the program are was is customized to the needs of the state requesting the training.

State	Workshop Topic	Date to be Held
Iowa	Preservation	March 2015
Michigan	3D Stringless	February 18 & 19, 2015
Oklahoma	3D Stringless	January 27, 2015
Pennsylvania	Overlay Workshop	August 19, 2015
Georgia	Overlay Workshop	Oct. 11, 2017

- Develop specifications on new technologies**  
 The TAC identified Concrete Overlays as the priority topic. Guide Specification for Concrete Overlays can be located at:  
[https://intrans.iastate.edu/app/uploads/2018/08/overlay\\_guide\\_specifications.pdf](https://intrans.iastate.edu/app/uploads/2018/08/overlay_guide_specifications.pdf)

In addition, the Center provided technical support to the TPF member states on the development of an Internal Curing specification:

[https://intrans.iastate.edu/app/uploads/2018/09/IC\\_guide\\_spec\\_w\\_cvr.pdf](https://intrans.iastate.edu/app/uploads/2018/09/IC_guide_spec_w_cvr.pdf)

- Maintain a data base addressing research gaps**  
 The database was regularly updated using information gathered from the “E-news,” “News from the Road,” and “State’s Highlights” along with monthly updates received from the TRB and RIP databases. The database identifies ongoing research and in concrete pavements and bridge decks. An on-line searchable data base is available: <https://cptechcenter.org/ncc-projects/>

Note: The database will continue to be updated with other funding.

- **Develop CP Road Map E-News**

This bi-monthly electronic newsletter provided updates on concrete pavement research around the country. Each issue contains links to research projects, training opportunities, or new tech transfer pieces of interest to the concrete pavement community. The “Updates from the States” section of the E-News, provide an in-depth look at a specific State’s concrete pavement research program.

Updates from the States and E-News issues (43 issues) from April 2010 to March 2019 are available: [http://www.cproadmap.org/publications/e-news\\_archive.cfm](http://www.cproadmap.org/publications/e-news_archive.cfm)

- **Develop CP Road MAP Briefs**

MAP Briefs summarize specific concrete pavement technology advancements in the US and discuss products and implementation of the findings from that advancement. These minimum four-page technical briefs highlight new technologies that can be used to improve concrete paving practices.

<http://www.cproadmap.org/publications/#MAP>

Note: Funding for the E-News and MAP Briefs was moved to the TTCC pooled fund, TPF-5 (313), in 2016 and are ongoing.

- **Update the Integrated Materials and Construction Practices (IMCP) Manual.**

The IMCP manual was first published in 2006. The update reviewed the content and included the new technical advancements in practice since 2006, refreshed the language and also provided the document in an electronic format that will permit access using a tablet or other mobile devices.

[https://intrans.iastate.edu/app/uploads/2019/05/IMCP\\_manual.pdf](https://intrans.iastate.edu/app/uploads/2019/05/IMCP_manual.pdf)