Since its inception in 2005, the CP Tech Center has trained more than 15,000 people across the country and provided research results and publications to users worldwide. In 2018, CP Tech Center staff provided resources, services, and technology support to agencies and industry in 34 states.

What is the National Concrete Pavement Technology Center?
The CP Tech Center is a national hub for concrete-pavement-related technology transfer, research, and implementation.

The center’s mission is to be a catalyst for building more sustainable concrete pavements through partnerships with industry, public agencies, and academia.

What does the CP Tech Center do?
We meet the needs of the concrete paving community for resources to design, build, and maintain sustainable concrete pavements. We research issues important to the concrete paving community and provide cutting-edge information and technology in useful, accessible ways that encourage implementation.

In addition to in-house staff and researchers, we collaborate with a large pool of experts from around the country—researchers, trainers, authors—to ensure the best people are tapped to address any given need.

"None of us thought that we could pave with a mix like that...We were very pleasantly surprised. We paved six days of approximately two miles per day of PCC shoulders using the mix and it performed very well."

CRAIG HUGHES – CEDAR VALLEY
Providing support and training to agencies and industry in 34 states and 3 provinces

Whom do we serve?

Our primary audiences:

- State and local agencies, particularly through the National Concrete Consortium (NC²)
- Industry, primarily through trade associations

Our partners and collaborators:

- Federal Highway Administration
- Researchers and consultants around the United States and internationally

What issues do we focus on?

Our current focus areas are the following:

- Mixture optimization for longevity and sustainability
- Specifications
- Asset management
- Life extension—preservation and overlays
- Recycling
- Education

How do we get it done?

Working from a national long-term research plan, we collaborate with our audiences and partners to identify priority topics and specific needs for each region. To meet these needs, we conduct research, develop technologies, and provide information through various means:

- Paper and electronic manuals, guides, and technical briefs that are updated as technology is developed
- Workshops, presentations, and webinars
- Forums for information sharing and discussion
- Demonstration projects and pilot projects
- Site visits
- Expert advisory teams that assist with training and troubleshooting

What projects are we working on?

- Performance-engineered mixtures
- Internal curing
- Air void systems
- Joint optimization
- Low-cement mixtures
- Salt scaling
- Development of a pavement preservation research roadmap
- Web-based training for contractors
- Real-time smoothness demonstrations
- Building information modeling (BIM)
- Unmanned aerial systems