Today’s pavement engineers and managers are always looking for long term, low maintenance, and highly functional solutions at a reasonable whole life cost. Continuously Reinforced Concrete Pavement (CRCP) has a long track record of exceptional service in heavy duty trafficked environments.

To this end, the Federal Highway Administration and the Concrete Reinforcing Steel Institute have entered into a technology transfer agreement to develop and deliver CRCP educational tools to practicing engineers and contractors. This Workshop is part of that agreement.

The workshop objective is to present the latest information on the performance, design, and construction of CRCP. This will allow the California Department of Transportation to determine when CRCP is the most viable pavement decision and how to assure that it truly performs in accordance with the desired performance goals.

**The Faculty**

Sam Tyson, PE, FHWA (host)
Mike Darter, PhD, PE, Applied Research Associates, Inc.
Gerald Lankes, PE, Texas Concrete Paving Association
Steve Tritsch, PE, CMC Americas
Dan Zollinger, PhD, PE, Texas A&M
Mehdi Parvini, PhD, PE, Caltrans
Jeff Roesler, PhD, PE, University of Illinois

**The Program**

This Workshop presents the current practices in designing and constructing continuously reinforced concrete pavement. The Workshop Team will cover a broad range of issues including CRCP fundamentals, design features and examples, construction applications, as well as life-cycle costing. The Team will look for continuous feedback from the participants throughout the workshop. Copies of the CRCP Design and Construction Manual, along with copies of the presentations, will be provided to each participant.
The Agenda

Welcome
8:00 am  CRSI, ACPA, Caltrans  Bethany Hennings, Craig Hennings, Mehdi Parvini, PhD, PE

Managers Overview
8:10  Introduction to CRCP Workshop Series  Sam Tyson, PE
Sam will give the background to the workshop series, the objectives of this program and future efforts and solicit input from the participants as we go along.

8:20  CRCP Overview: The Project and the Product  Steve Tritsch, PE
Steve will present an overview of FHWA-CRSI Agreement and basic information CRCP. This segment is intended to give an overview for managers and a prelude of what is coming.

CRCP Performance and Design
8:55  CRCP Performance  Steve Tritsch, PE
Steve will present some great performing CRCP pavements that have been built over the last 20 years. Steve will then look at some CRCP whole life costing: cost and performance.

Break (15 min)

10:00  Fundamentals of Design CRCP  Mike Darter, PhD, PE
Mike will discuss the various methodologies available to design CRCP pavements, comparing the various AASHTO and State DOT procedures, including typical sections from key states. He will discuss steel percentages, tied shoulders, and widened lanes. Mike will also weave in how the ME Guide is used for CRCP and how it is integrated with design procedures.

Construction
11:00  Constructing CRCP  Gerald Lankes, PE
Gerald will present key factors involved in properly constructing CRCP pavements, from base condition, steel placement, concreting, jointing and finishing.

12:00  Lunch on your own

1:00  CRCP as an Unbonded Overlay  Jeff Reosler, PhD, PE
Jeff is working with Illinois DOT on using CRCP as a rehabilitation method, as an unbonded overlay. What are the design, construction, traffic, and grade issues they are considering? Jeff will touch on some work done in Texas as well.

1:45  End Treatments, Sleepers, and Transitions and Slab Support  Dan Zollinger, PhD, PE
Dan will cover the issues associated with slab transitions at headers and bridge approaches as well as slab support and the design aspects to address them. Some innovative thoughts on the future as well.

Break (15 min)

Caltrans Update
2:45  The California CRCP Story  Mehdi Parvini, PhD, PE
Mehdi will give the background and history of CRCP in CA, its performance, some of the issues relating to specification updates and what he see as the future of CRCP in the State.

3:10  Caltrans and Faculty Roundtable  Faculty
This is open mike time for all to ask questions, share thoughts, and fill in any details.

3:30 pm  Adjourn