

## Portland Cement Concrete Overlays: State of the Technology

ONE DAY, 7.5 HOURS

Latest information on design, construction, and performance of PCC overlays

### Program Content:

- **Workshop Overview and Introduction to PCC Overlays**
- **Bonded PCC Overlays**
  - Characteristics of bonded PCC overlays
  - Pavement conditions suitable to bonded PCC overlays
  - Appropriate pre-overlay repair activities
  - Critical joint design considerations for bonded PCC overlays
- **Unbonded PCC Overlays**
  - Characteristics of unbonded PCC overlays
  - Pavement conditions suitable to unbonded PCC overlays
  - Appropriate pre-overlay repair activities
  - Recommended separator layer
  - Critical joint design considerations for unbonded PCC overlays
- **Conventional Whitetopping**
  - Characteristics of conventional whitetopping
  - Pavement conditions suitable to conventional whitetopping
  - Appropriate pre-overlay repair activities
  - Recommended surface preparation activities
  - Recommended joint designs
- **Ultra-Thin Whitetopping**
  - Characteristics of ultra-thin whitetopping
  - Pavement conditions suitable to ultra-thin whitetopping
  - Appropriate pre-overlay repair activities
  - Recommended surface preparation activities
  - Three factors important to UTW performance
- **Selection of PCC Overlays**
  - Applicability and feasibility of different PCC overlay types
  - Steps in evaluating competing alternative rehabilitation treatments
  - Life-cycle cost analysis and list key input factors
  - Key non-monetary factors to consider in selection process
  - Process to consider competing alternatives
- **Summary and Wrap-Up**

### Who should attend:

State and local agencies, academia, consulting engineers, contractors, and material suppliers

### Instructors:

Neeraj J. Buch, Norbert J. De Latte, Kurt D. Smith, and Roger M. Larson

### Seminar handouts:

Portland Cement Concrete Overlays (FHWA-IF-02-045)

Handout with notes authored by the instructors

