

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 Overlavs
- 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

■ 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:

Recommended joint designs

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

