Best Practices for Cement Stabilization and Roller-Compacted Concrete Pavements

Workshop Sponsors

Cement Council of Texas

The Cement Council of Texas promotes the proper use of cement and concrete in pavements, infrastructure, buildings, homes and other construction applications. We are the non-profit trade association of portland cement manufacturers and shippers in Texas.

Cement Council of Texas

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2017 Workshops
- **Midland**: Thursday, August 24th
- **Georgetown**: Tuesday, November 7th
- **Harlingen**: Tuesday, November 14th
- **Amarillo**: Thursday, November 16th
- **Frisco**: Tuesday, December 5th
- **Tyler**: Thursday, December 7th
Cement Stabilization and RCC Improve Pavements

Stabilization of pavement base material and subgrade soils with cement can reduce construction time, lower costs, and increase pavement durability. Full-depth reclamation, subgrade soil modification, and cement-treated aggregates all can improve performance of asphalt and concrete pavements. And roller-compacted concrete (RCC) has been utilized by TxDOT, local agencies, and private developers to build concrete pavements faster, more durably, and often less expensively than asphalt alternatives.

Workshop Details

In this workshop, engineers, road agency professionals, contractors and owners, will learn current best design and construction practices for each of these construction methods. Participants will gain an understanding of when it is most conducive to use these techniques on public roads, commercial, residential, and industrial projects.

Attendees will receive a copy of the just-released 90-page "Guide to Full-Depth Reclamation (FDR) with Cement," published by the National Concrete Pavement Technology Center at Iowa State University and the Portland Cement Association. Additionally, attendees will receive a flash drive, with copies of all presentations, and a valuable selection of industry design and construction guides related to the methods being taught. Continuing education PDH certificates for 7.0 credits will be distributed at the end of the workshop.

Agenda (8:00 AM – 4:30 PM, Lunch Included)

- Soil-Cement Solutions: Cost, Time & Material Savings
- Thickness and Mix Design with Cement-Stabilized Materials
- Subgrade Stabilization: From Sands to Clays
- Full-Depth Reclamation: Recycling Roads in-Place with Cement
- Cement Treated Aggregate Base: Making Aggregate Better
- Roller-Compacted Concrete
  - Mixture and Thickness Design
  - RCC Production and Construction
  - QA/QC

RCC pavement placed on recycled FDR base for US 83 mainlanes, Leakey, TX

Cement Council of Texas Instructors

Matthew W. Singel, PE
Director, Soil-Cement/RCC Pavements
Matt promotes the proper and effective use of soil-cement and roller-compacted concrete pavement technologies to engineers, transportation agency officials, and contractors. Matt has over 25 years of related experience with the CCT, the Southeast Cement Association, road contractor E.J. Breneman, and as a project engineer. Matt holds a BS in Civil Engineering Technology from the University of Pittsburgh.

Jan Prusinski, PE, FACI
Executive Director
Jan promotes the proper use of cement and concrete for infrastructure and buildings. His 35 years of experience includes management of the Portland Cement Association’s soil-cement and roller-compacted concrete programs, directing the Slag Cement Association, and engineering design with Houston Lighting & Power and Bechtel Power Corporation. He holds a BS in Civil/Structural Engineering from the University of Michigan, an MBA from the University of Houston, and is a Fellow of the American Concrete Institute.