

Design of Concrete Slabs on Ground

ONE DAY, 7.5 HOURS

Learn from the experts about slab design

Program Content:

- **Theoretical background for current analytical procedures and design aids**
Geotechnical considerations for supporting base and subgrade
- **General discussion**
Thickness design
Slab reinforcing and detailing
- **Design examples**
Nonreinforced slabs, reinforced and structurally reinforced slabs
Post-tensioned slabs and slabs using shrinkage-compensating cement
Conventional and fiber reinforcing
Assessing performance expectations, risks and relative costs
- **Specific detailing and specification sections required for complete contract documents**
Prescriptive versus performance specification approaches
Concrete mixture design and analysis
Tolerances, surface treatments, curing and protection
Jointing and load transfer at joints
- **Contract administration**
Prebid and preconstruction meetings
Substitutions and submittals
Field observations
Reconciliation of the design with actual construction

Who should attend:

Engineers and designers will gain practical tools and information that can be used right away for slab design.

Instructors:

Robert B. Anderson, Barry E. Foreman, James H. Loper, Arthur W. McKinney, R. Gregory Taylor, and Wayne W. Walker

Seminar handouts:

ACI 360
Articles on slab design
Speaker Notes

