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:**


**Seminar handouts:**

- ACI 360
- Articles on slab design
- Speaker Notes

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