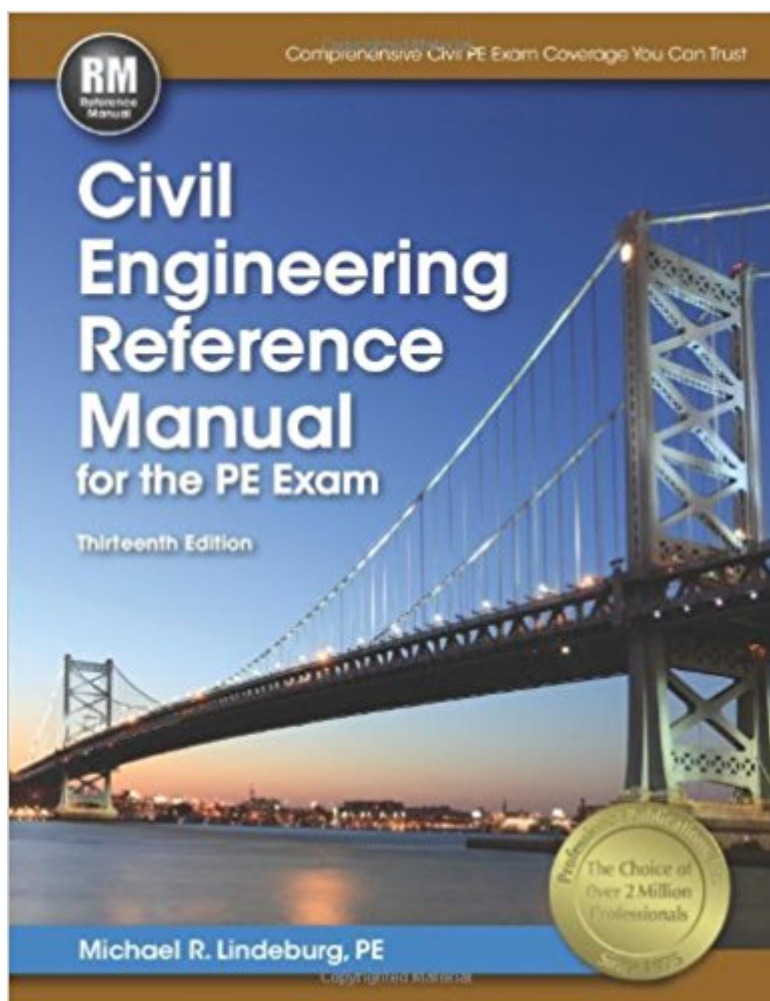


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Civil Engineering Reference Manual For The PE Exam, 13th Ed



Synopsis

The Civil Engineering Reference Manual provides a comprehensive review of all five NCEES Civil PE exam content areas: construction, geotechnical, structural, transportation, and water resources and environmental engineering. Over 500 example problems not only demonstrate how to apply important concepts and equations, they also include step-by-step solutions that show you the most efficient methods to use when solving exam problems. With more than 100 appendices from references and exam-adopted design standards it's possible to solve many exam problems using only the Civil Engineering Reference Manual.

Features of the Civil Engineering Reference Manual

- More than 500 example problems
- Over 400 defined engineering terms
- References to over 3,300 equations, 760 figures, and 500 tables
- Index includes cross-topic concepts
- Example problems use both SI and U.S. Customary units
- Consistent nomenclature in each chapter
- Coverage of both theory and practical applications
- Easy-to-read explanations
- Easy-to-use index and full glossary

Exam Topics Covered (used in main product description in Magento, and also in the separate "Topics Covered" field)

- Construction:** Earthwork construction and layout; material quality control and production; quantity and cost estimation; temporary structures; scheduling
- Geotechnical:** Earth and earth-retaining structures; shallow foundations; soil mechanics analysis; soils and materials properties; subsurface exploration and sampling
- Structural:** Loadings; analysis; materials and their mechanics; member design
- Transportation:** Geometric design

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