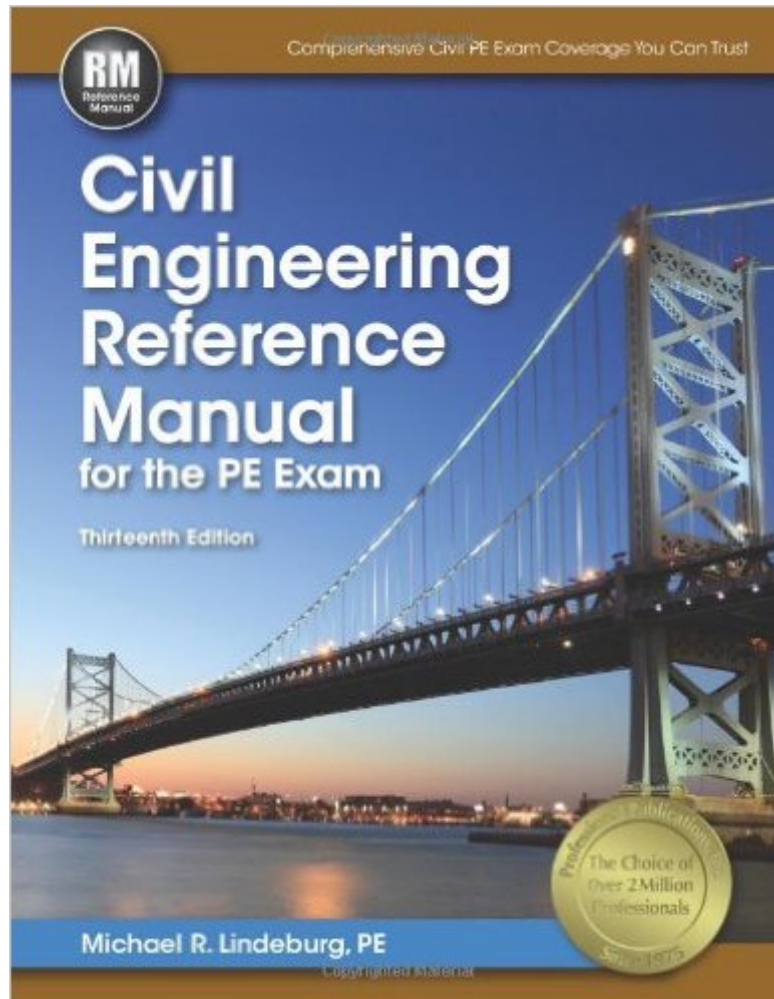


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Civil Engineering Reference Manual For The PE Exam, 13th Ed



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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