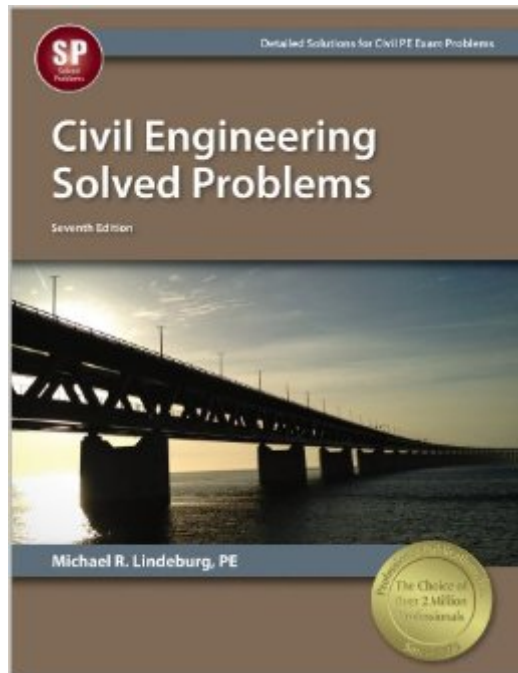


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# Civil Engineering Solved Problems, 7th Ed



## Synopsis

Detailed Solutions for Civil PE Exam Problems *Â Civil Engineering Solved Problems* includes more than 370 problem scenarios representing a broad range of Civil PE exam topics. Each scenario's associated problems demonstrate related concepts and allow you to apply your knowledge of relevant theory and equations. The breadth of topics covered and the varied problem complexities allow you to assess and strengthen your problem-solving skills, regardless of which afternoon depth exam you choose to take. Where applicable, problems and solutions also reference the exam's design standards, so you can become familiar with and identify which will be most useful on exam day. For all problems, detailed step-by-step solutions illustrate accurate and efficient solving methods. Due to the changes in codes for the 2015 NCEES PE exam, there are some updates to this edition. Though not all of PPI's products reflect the adopted editions of the new design standards, in most cases the principles change very little. While specific procedures, equations, or values may change gradually from one edition of a design or reference standard to the next, PPI's books continue to provide an appropriate overview of the design concepts presented, and will prepare you for the upcoming exams. *Â Civil Engineering Solved Problems* will help you to: effectively familiarize yourself with the exam topics successfully connect relevant engineering theories to challenging problems efficiently navigate through exam-adopted codes and standards quickly identify accurate and efficient problem-solving approaches

**Topics Covered**

**Water Resources:** Fluid Mechanics; Hydraulic Machines; Open Channel Flow; Hydrology; Water Supply

**Geotechnical:** Soils; Foundations

**Environmental:** Wastewater

**Structural:** Concrete; Steel; Timber; Masonry

**Transportation:** Transportation; Surveying

**Systems, Management, and Professional:** Engineering Economic Analysis

## Book Information

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## Customer Reviews

The problems are a lot more difficult than what is on the PE and are not structured in the same format. The solutions are also hard to follow, because they use equations that do not follow what is supplied in the CERM. I would not suggest this book for study for the PE.

Don't use this as a study material if you have less than 6 months of study. Problems are hard, convoluted and very academic. While the concepts are decent, the path to is are better fit for a college lecture than a PE review session. For starters, questions are not in multiple choices. There's a good example of how impractical this book is for test prep. Get the reference manual and the companion practice problems book only. Don't waste money on this.

Great prep material for the actual exam. These tough questions helped me get used to the type of questions on the real exam. I passed on my first time taking the PE using this book.

Although problems are long, they are presented well with steps that will prepare you for both the morning and afternoon exams. Good coverage of concepts.

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