
Codes and References Used to Prepare This Book

The minimum recommended library for the civil PE structural depth exam includes the NCEES-adopted design codes, the *Civil Engineering Reference Manual* and the *Structural Depth Reference Manual for the Civil PE Exam*. Most problems on the civil PE structural depth exam can be solved using the NCEES-adopted design codes and your knowledge of general engineering principles. As a general rule, you shouldn't bring books to the exam that you didn't use during your exam review.

The information that was used to write this book was based on exam specifications at the time of publication. However, as with engineering practice itself, the civil PE structural depth exam is not always based on the most current codes or cutting-edge technology. Similarly, codes, standards, and regulations adopted by state and local agencies often lag issuance by several years. It is likely that the codes you use in practice and the codes that are the basis of your exam will all be different.

PPI lists on its website the dates and editions of the codes, standards, and regulations on which NCEES has announced that the civil PE structural depth exam is based (ppi2pass.com/cefaq). It is your responsibility to find out which codes are relevant to the civil PE structural depth exam. In the meantime, here are the codes and standards that have been incorporated into this edition.

EXAM-ADOPTED DESIGN CODES AND STANDARDS

AASHTO: *AASHTO LRFD Bridge Design Specifications*, Sixth ed., 2012, American Association of State Highway and Transportation Officials, Washington, DC

ACI 318: *Building Code Requirements for Structural Concrete*, 2011, American Concrete Institute, Farmington Hills, MI

AISC Manual: *Steel Construction Manual*, Fourteenth ed., 2011, American Institute of Steel Construction, Inc., Chicago, IL

ASCE/SEI7: *Minimum Design Loads for Buildings and Other Structures*, 2010, American Society of Civil Engineers, Reston, VA

IBC: *International Building Code*, 2012 ed. (without supplements), International Code Council, Inc., Falls Church, VA

NDS: *National Design Specification for Wood Construction ASD/LRFD*, 2012 ed., and NDS Supp.: *National Design Specification Supplement, Design Values for Wood Construction*, 2012 ed., American Forest & Paper Association/American Wood Council, Washington, DC

PCI: *PCI Design Handbook: Precast and Prestressed Concrete*, Seventh ed., 2010, Precast/Prestressed Concrete Institute, Chicago, IL

MSJC: *Building Code Requirements for Masonry Structures* (TMS 402/ACI 530/ASCE5), 2011, and *Specification for Masonry Structures* (TMS 602/ACI 530.1/ASCE6), 2011, Masonry Standards Joint Committee

REFERENCES

The following references were used to prepare this book. They may also be useful resources for exam preparation.

American Institute of Timber Construction. *Standard Specification for Structural Glued Laminated Timber of Softwood Species* (AITC 117).

ASTM International. *Standard Specification for Hollow Brick (Hollow Masonry Units Made from Clay or Shale)* (ASTM C652). ASTM International.

Bowles, Joseph E. *Foundation Analysis and Design*. New York: McGraw-Hill.

The Masonry Society. *Masonry Designers' Guide* (MDG). Boulder, CO: The Masonry Society.

McCormac, Jack C. *Structural Analysis*. New York: Harper & Row.

National Concrete Masonry Association (NCMA). *Concrete Masonry Wall Weights* (TEK 14-13B).

Nilson, Arthur H., David Darwin, and Charles W. Dolan. *Design of Concrete Structures*. New York: McGraw-Hill.

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