FOUNDATIONS AND PILE DRIVING EXAMINATION

# of Questions	Minimum Passing Score	Time Allowed
60	42 (70%)	150 Minutes

CONTENT OUTLINE

Content Area	# Items Test
Equipment and Technique	8
Compaction	8
Excavation and Grading	9
Soil Types	8
Piles	7
Concrete Formwork	5
General Concrete	8
Safety	7

EXAMINATION STUDY MATERIALS

The reference materials listed below were used to prepare the questions for this examination. The examination may also contain questions based on trade knowledge or general industry practices. Except for Code books, you can base your answers on later editions of references as they become available. For Code questions, the examinations will be based only on the edition of the Code book that is listed.

This examination is OPEN book. The following references are allowed in the test room.

Code of Federal Regulations - 29 CFR Part 1926 (OSHA), with latest available amendments, U.S. Government Printing Office, (866) 512-1800 or https://www.osha.gov/lawsregs/regulations/standardnumber/1926
OR
Code of Federal Regulations - 29 CFR Part 1926 Selections by PSI, with latest available amendments, www.psionlinestore.com, (866) 589-3088

International Building Code, 2018, International Code Council, (800) 786-4452, www.iccsafe.org

Design and Control of Concrete Mixtures, 2011 or 2016, Steven H.Kosmatka, William C. Panarese, Portland Cement Association, 5420 Old Orchard Road, Skokie, Il 60077-1083,
847-966-6200, www.cement.org

Construction Planning, Equipment, and Methods, Robert L. Peurifoy, Clifford J. Schexnayder, Aviad Shapira, 2005 or 2010, McGraw Hill, www.mhhe.com

Pipe and Excavation Contracting, Dave Roberts, 1987 or 2011, Craftsman Book Company, (800) 829-8123, www.craftsmanbook.com

Soils and Foundations, Cheng Liu and Jack B. Evett, 2008, 7th edition.

Formwork for Concrete, 2005 or 2014, M.K. Hurd American Concrete Institute, 38800 Country Club Drive, PO Box 9094, Farmington Hills, MI 48333, www.concrete.org

Candidates are responsible for bringing their own references to the examination center. Reference materials may be highlighted, underlined, **annotated**, and/or indexed prior to the examination session. However, references may not be written in during the examination session. Any candidate caught writing in the references during the examination will have the references confiscated and will be reported to the department. Furthermore, candidates are not permitted to bring in any additional papers (loose or attached) with their approved references. Any additional materials will be removed from the references and confiscated. References may be tabbed/indexed with permanent tabs only. Temporary tabs, such as Post-It notes, are not allowed and must be removed from the reference before the exam will begin.