
AUGER AND DRY CONVENTIONAL BORING EXAMINATION

# of Questions	Minimum Passing Score	Time Allowed
60	42 (70%)	120 Minutes

CONTENT OUTLINE

Content Area	# Items Test
Boring and Tunneling	24
Sitework	8
Concrete	10
Concrete Reinforcement	5
Hoisting and Rigging	5
Safety	6
One Call	2

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/laws-regs/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

Pipe and Excavation Contracting, Dave Roberts, 2011, Craftsman Book Company, (800) 829-8123, www.craftsman-book.com/products

Jacked Tunnel Design and Construction, 1998, Marco D. Boscardin, American Society of Civil Engineers, 1801 Alexander Bell Drive, Reston, VA 20191-4400, (800) 548-2723, www.asce.org

Standard Construction Guidelines for Microtunneling, 2001, American Society of Civil Engineers, 1801 Alexander Bell Drive, Reston, VA 20191-4400, (800) 548-2723, www.asce.org

Code of Practice for Tunnels Under Construction, 1991, Dames and Moore,
www.workcover.nsw.gov.au/NR/rdonlyres/BA459A8D-D048-4FE1-B144-7EFC36D27FB6/0/cop_tunnels_10.pdf

Cost Estimating for Underground Transit: Too Dangerous to "Guesstimate", 1997, Romero, Victor S. Romero & John M. Stolz, Jacobs Associates, 500 Sansome Street, Suite 700, San Francisco, CA 94111, (415) 434-1822,
www.jacobssf.com

Design and Control of Concrete Mixtures, 17th edition, 2021, Steven H. Kosmatka, William C. Panarese, Portland Cement Association, 5420 Old Orchard Road, Skokie, IL 60077-1083, 847-966-6200, www.portcem.org

Instructional Manual for Training and Certification of Field Personnel for Unbonded Post-Tensioning, 3rd Edition, 2003, Post-Tensioning Institute, 8601 North Black Canyon Highway, Suite 103, Phoenix, AZ 85021, (602) 870-7540,
www.post-tensioning.org

Placing Reinforcing Bars, Recommended Practices, 2011, 9th edition, Author- Concrete Reinforcing Steel Institute, Publisher- Concrete Reinforcing Steel Institute, 933 North Plum Grove Rd, Schaumburg, IL 60173, Phone (800) 328-6306, www.crsi.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.