



CONTRACTORS STATE LICENSE BOARD LICENSE EXAMINATION STUDY GUIDE



EARTHWORK AND PAVING (C-12)

Content of the Examination

The Earthwork and Paving (C-12) Examination is divided into four major sections:

1. Planning and Estimation (23%)

- Plans and specifications
- Job site conditions
- Estimating
- Project layout
- Materials and equipment

2. Earthwork and Grade Control (35%)

- Grade control
- Soils and geology
- Excavation and trenching
- Fill and grading

3. Paving (22%)

- Roadways, driveways, and parking lots
- Specialty paving
- Demolition and pavement repair
- Related paving activities

4. Safety (20%)

- Job site safety
- Environmental impact
- Traffic control

Percentages are approximate

Test Site Policy

This is a closed-book examination. No reference materials may be used during the examination. All materials brought to the examination site must be left in an unmonitored area at your own risk.

Test Strategy

This is a multiple-choice examination with four choices per question. Examination questions are written to provide only one BEST answer. Some questions require mathematical computation. A calculator will be provided.

There is no penalty for guessing. If you are unsure about a particular question, it is better to try to answer the question than to leave the question blank.

Plenty of time is provided to answer all examination questions, so be sure to read each question and its four choices completely and carefully before selecting the BEST possible answer to the question.

Sample Questions

Below are three typical examination questions.
The correct answer is underlined.

1. An aggregate base weighing 1.5 tons per cubic yard will be laid 12" deep on a 1,000-foot road, 24 feet wide. How many tons of aggregate will be required?
 - a. 889 tons
 - b. 1,333 tons
 - c. 1,999 tons
 - d. 3,999 tons
2. How should a contractor proceed when a concrete load has arrived on a job site and the material comes out of the chute in lumps?
 - a. Add water.
 - b. Add retardant.
 - c. Reject the load.
 - d. Place it immediately.
3. What is the allowable lippage between pavers?
 - a. 1/2"
 - b. 3/8"
 - c. 1/4"
 - d. 1/8"

All questions are written and reviewed by licensed contractors who are actively working in the trade

Resources

Publisher information for reference books and code is provided below. Other sources for reference books may be found online.

California code books can be viewed online:
www.dgs.ca.gov/bsc

2022 California Building Code. California Code of Regulations, Title 24. International Code Council.

PHONE: (800) 786-4452
INTERNET: www.iccsafe.org

The Asphalt Handbook: MS-4. Asphalt Institute.

PHONE: (859) 288-4960
INTERNET: www.asphaltinstitute.org

California Manual on Uniform Traffic Control Devices. 2019 revision. State of California Department of Transportation (Caltrans).
PHONE: (916) 654-2852
INTERNET: www.dot.ca.gov/manuals

Excavation and Grading Handbook, Revised. Craftsman Book Company.
PHONE: (800) 829-8123
INTERNET: www.craftsman-book.com

Moving the Earth: The Workbook of Excavation. McGraw-Hill Professional.
PHONE: (877) 833-5524
INTERNET: www.mhprofessional.com

Permeable Interlocking Concrete Pavements. Interlocking Concrete Pavement Institute.
PHONE: (703) 657-6900
INTERNET: www.icpi.org

Caltrans Standard Plans. State of California Department of Transportation (Caltrans).
PHONE: (916) 654-2852
INTERNET: www.dot.ca.gov

Caltrans Standard Specifications. State of California Department of Transportation (Caltrans).
PHONE: (916) 654-2852
INTERNET: www.dot.ca.gov

State of California General Industry & Electrical Safety Orders (Cal/OSHA) and State of California Construction & Electrical Safety Orders (Cal/OSHA). 2022. California Code of Regulations, Title 8. Mancomm.
PHONE: (877) 626-2666
INTERNET: www.mancomm.com
VIEW ONLINE:
www.dir.ca.gov/dosh/LawsAndRegulations.htm

Publisher information is current as of 11/22