



# State of Louisiana

STATE LICENSING BOARD FOR CONTRACTORS

## HEAVY CONSTRUCTION STUDY SHEET

The classification of Heavy Construction includes the work of all of the following sub-classifications:

Clearing, Grubbing, and Snagging  
Dams, Reservoirs and Flood Control Work other than Levees  
Dredging  
Electrical Transmission Lines  
Fencing  
Foundations and Pile Driving  
Industrial Piping  
Industrial Plants  
Industrial Ventilation  
Landscaping, Grading, and Beautification  
Oil Field Construction  
Oil Refineries  
Railroads  
Transmission Pipeline Construction  
Tunnels  
Wharves, Docks, Harbor Improvements and Terminals

### CONTENT OUTLINE

The following is an outline of the subject areas that will be covered in the exam:

<u>Subject Area</u>	<u>Percentage</u>
<b>Structural Steel</b>	<b>12%</b>
<b>Pilings and Foundations</b>	<b>12%</b>
<b>Rigging and Hoisting</b>	<b>12%</b>
<b>Site Preparation</b>	<b>11%</b>
<b>Concrete</b>	<b>11%</b>
<b>Industrial Piping</b>	<b>9%</b>
<b>Industrial Equipment</b>	<b>9%</b>
<b>Transmission Piping</b>	<b>8%</b>
<b>Electrical Distribution</b>	<b>8%</b>
<b>Earthmoving, Dams, and Harbors</b>	<b>8%</b>

The examination is made up of 80 multiple-choice questions which are equally weighted. You will have four hours to complete this examination. This is a *CLOSED BOOK* exam. You will be provided with a calculator and pencils for use during the examination.

## Reference List

This reference list is just a representative sample of the materials available which contain relevant information. There are a number of other similar books on the market containing similar information. The reference materials listed below should be helpful to candidates in preparing for this examination. These materials may NOT contain all of the information needed to be competent in this trade or to pass the examination. We try to keep this reference list current and consisting of industry-standard materials. However, due to circumstances beyond our control, some of these references may go out of print or be unavailable, or the web link may change. Please contact the publisher, a bookstore, a book distributor, or library for these or similar reference materials. If any reference is out of print or unavailable, your local library may be able to obtain these references for your use through the services of Inter-Library Loan.

**Principles and Practices of Commercial Construction**; Andres, Cameron K. and Smith, Ronald C.; Pearson Prentice Hall; Upper Saddle River, NJ.

**Hanford Site Hoisting and Rigging Manual**, DOE-RL-92-36; U. S. Department of Energy, Hanford Site; Hanford, WA; 2007.

Available at:

<http://www.hanford.gov/?page=555&parent=0>

**Safety and Health Regulations for Construction; Code of Federal Regulations, Title 29, Part 1926**; U. S. Department of Labor, Occupational Safety and Health Administration; Washington, D.C.; 2005.

Available at: <http://www.wbdg.org/ccb/OSHA/1926.pdf>

**Design and Control of Concrete Mixtures**; Portland Cement Association; Skokie, IL.

**Pipe and Excavation Contracting**; Roberts, Dave; ; Craftsman Book Co., Inc.; Carlsbad, CA.

**Excavation and Grading Handbook**; Capachi, Nick; Craftsman Book Co., Inc.; Carlsbad, CA