

Department of Examinations and Assessment

Louisiana State Licensing Board for Contractors

LSLBC

Foundations and Pile Driving

Classification Description:

Refers to the driving, casting, jetting, vibrating, or drilling of structural and sheet piles for buildings, bridges, wharves, docks, cofferdams, caissons, seawalls, etc., and the construction, installation or repair of the same. Includes augered pressure grouted piling, pressure grouting, preplaced aggregate concrete underlayment, slurry walls, slabs, foundation walls, tremies, and all other types of deep and shallow foundations. Allows a contractor to raise and level buildings and houses.

Foundations and Pile Driving is a **closed book** examination with 40 multiple-choice questions which are equally weighted.

You will have two hours to complete this examination. A calculator will be provided for use during the examination.

References

The examination for 7-19 Foundations and Pile Driving is set at the level of knowledge, skill, and abilities expected for individuals entering the field as contractors for this work. Often the best preparation is training through a mentor or through a company or organizational training program, or a higher educational or vocational educational training program, etc., along with actual experience. Below is a representative sample of the references available on this subject at the time this list was compiled which may be helpful in preparation for the examination and for work in the field.

The Contractor's Guide to Quality Concrete Construction, Third Edition; American Society of Concrete Contractors and the American Concrete Institute; Farmington Hills, MI; 2005.

Pile Construction; Army Field Manual 5-134; US Army Engineer School; Fort Belvoir, VA; 1985. Available at:
<https://www.globalsecurity.org/military/library/policy/army/fm/5-134/fm5-134.pdf>

Above the Flood: Elevating Your Floodprone House; FEMA P-347; Federal Emergency Management Agency; Washington, DC; 2000. Available at:
<https://www.fema.gov/media-library/assets/documents/725>

OSHA Technical Manual; SECTION V: CHAPTER 2; "EXCAVATIONS: HAZARD RECOGNITION IN TRENCHING AND SHORING"; U. S. Department of Labor, Occupational Safety and Health Administration; Washington, DC; 2005. Available at:
https://www.osha.gov/dts/osta/otm/otm_toc.html

Louisiana Underground Utilities and Facilities Damage Prevention Law”; Louisiana Revised Statutes, Title 40, Chapter 8, Part VIII, and Sections 40:1749.11 to 40:1749.27. Available at: http://www.dnr.louisiana.gov/assets/OC/pipe_div/DamagePrevention/Statutes.pdf

Trenching and Excavation Safety, OSHA 2226-10R 2015; U S. Department of Labor, Occupational Safety and Health Administration; Washington, DC; 2015. Available at:
<https://www.osha.gov/Publications/osha2226.pdf>

Elements of Surveying, TM 5-232,;Department of the Army; Washington, DC; 1971. Available at: <https://ia801004.us.archive.org/1/items/TM5-232/TM5-232.pdf>.