

Department of Human Resources & Examinations

Louisiana State Licensing Board for Contractors

LSLBC

2.2 Earthwork, Drainage, and Levees

Land clearing, grubbing, snagging, and draining. Also includes earthmoving, grading, digging, cutting, filling, backfilling, compaction, trenching, excavation, and spreading of soil materials. Also includes the construction of ditches, canals, ponds, and levees. May involve the installation of ditch linings, erosion control, wing walls, culverts, drains, and catch basins. Also involves ground freezing and the use of piezometers, sumps, and any other apparatus used in the removal or isolation of ground water. In addition, may involve the installation of various geotextile products for separation of water or soils. Earthwork, drainage and levees is a subclassification of Highway, Street, and Bridge Construction.

Introduction



Earthwork, Drainage, and Levees is a closed book examination with 30 multiple-choice questions and a minimum passing score of 70. You will have **two hours** to complete this examination.

This bulletin contains only a representative sample of the many good references available on the subject at the time the list was compiled. It is not a comprehensive listing. Please note that it is *not* necessary to read all of the books in order to pass the examination. Rather, this list is intended to suggest what types of references might be useful in helping to acquire the basic knowledge needed to perform this type of 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.

We try to keep this list current with books in print, but some books go out of print from time to time. These books may be available in your local library's collection or through the services of Inter-Library Loan. If still in print, these books may also be available through your local bookstore or by contacting the publisher. All references available via the internet are followed by the appropriate website address for obtaining the reference. From time to time, website addresses may change and no longer be available. In such cases, please search for the appropriate new website address or contact the publisher or a library to obtain a copy.

References - Books

Estimating Excavation; Chapters 1, 8 and 9; Burch, Deryl; Craftsman Book Company; Carlsbad, CA.

References - Courses

Earthwork Series: Excavation; by the Transportation Curriculum Coordination Council (TC3) of the American Association of State Highway and Transportation Officials.

References - Videos

Excavation and Trenching Safety; by Marko Kaar
<https://www.youtube.com/watch?v=GmPSW2cx6n8>



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