

# Department of Human Resources & Examinations

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## Louisiana State Licensing Board for Contractors

LSLBC

### **4 Municipal and Public Works Construction**

*The installation, maintenance, or repair of the infrastructure of water, sewer, gas, and storm water treatment and/or distribution systems for municipalities. It also includes power plants, electrical transmission lines, and underground electrical conduit. This classification is limited to only these scopes of work as specified.*

# Introduction



Municipal and Public Works Construction is a *closed book* examination with 100 multiple-choice questions which are equally weighted. You will have **four 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.

## Content Outline

Content Domain	%
Sewer and Storm Drains (Construction, Installation and Treatment)	15
Water (Sanitation, Transmission and Distribution)	13
Gas Transmission and Distribution	8
Electrical and Telecommunications	6
Site Preparation (Piles, Foundations)	7
Excavation, Trenching, Grading, and Paving	10
Building Construction / Demolition and Rehabilitation	8
Project Management	11
Mechanical Piping and Equipment	9
Safety (OSHA, DHH, ASTM, ANSI, Etc.)	13

## References

Excavation and Grading Handbook, Revised; Capachi, Nick; Craftsman Book Company; Carlsbad, CA; 2007.

Water Transmission and Distribution; Fourth Edition; American Water Works Association; Denver, CO; 2010.

Pipe and Excavation Contracting, Revised; Roberts Dave and Atcheson, Dan; Craftsman Book Company; Carlsbad, CA; 2011.

Handbook of PVC Pipe Design and Construction, Fifth Edition; Chapters 10-12; PVC Pipe Association; Industrial Press; New York; 2013.

ASME B31.8-2003: Gas Transmission and Distribution Piping Systems; American Society of Mechanical Engineers; New York; 2004. Available at:  
<https://ia800705.us.archive.org/29/items/gov.law.asme.b31.8.2003/asme.b31.8.2003.pdf>

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Louisiana Administrative Code, Title 51, Parts XII and XIII. Available at:

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[http://lsucc.dps.louisiana.gov/pdf/Title\\_17\\_UCC.pdf](http://lsucc.dps.louisiana.gov/pdf/Title_17_UCC.pdf)

PNNL Hoisting and Rigging Manual. PNNL – 18129; Sections 1.0 to 11.5.10; Pacific Northwest National Laboratory; U.S. Department of Energy; Richland, WA; 2008. Available at:

[https://www.pnnl.gov/main/publications/external/technical\\_reports/PNNL-18129.pdf](https://www.pnnl.gov/main/publications/external/technical_reports/PNNL-18129.pdf)

The Piping Guide for the Design and Drafting of Industrial Piping Systems; Whistance, Dennis J. and Sherwood, David Rl; Construction Trades Press; Clinton, NC; 2008. Available at:

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Polyethylene Piping Systems Field Manual for Municipal Water Applications; Plastics Pipe Institute; Irving, TX; 2009.

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Fall Protection in Construction; U S. Department of Labor, Occupational Safety and Health Administration; Washington, DC; 2015. Available at:

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Permit-Required Confined Spaces; U S. Department of Labor, Occupational Safety and Health Administration; Washington, DC; 2004. Available at:  
<https://www.osha.gov/Publications/osha3151.pdf>

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Personal Protective Equipment; U S. Department of Labor, Occupational Safety and Health Administration; Washington, DC; 2015. Available at:  
<https://www.osha.gov/Publications/osha3151.pdf>

Guidelines for the Selection and Installation of Underground Nonmetallic Raceways, TCB 2-2017; National Electrical Manufacturers Association; Rosslyn, VA; 2017.

Contractor's Guide for Installation of Gasketed PVC Pipe for Water/ Contractor's Guide for Installation of Gasketed PVC Pipe for Sewer; PVC Pipe Association; Industrial Press, Inc.; South Norwalk, CT; 2019.



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