Department of Human Resources & Examinations

Louisiana State Licensing Board for Contractors

LSLBC

S.8 Horizontal Directional Drilling

The construction, installation, maintenance, or repair of pipelines using trenchless technologies including horizontal directional drilling, hydro vacuum excavation, air vacuum excavation, or road boring technologies. Includes technologies which pull the pipe through. Does not include the construction, installation, maintenance, or repair of pipelines using jack and bore technologies (dry, wet, or slurry), micro tunneling, pipe bursting, slip lining, cured-in-place pipe, pigging, pipe cleaning and similar technologies.

Introduction



Horizontal Directional Drilling is a closed book examination with 100 multiple-choice 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 <u>not</u> 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.

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References

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<u>Horizontal Directional Drilling (HDD) Good Practices Guidelines –</u> 4th Edition; North American Society for Trenchless Technology; Cleveland, OH; 2017. Available at: https://www.nastt.org/resources/bookstore/

<u>Trenchless Construction and Rehabilitation Methods</u>, Fourth Edition; Tom Isley et. al., editors; National Utility Contractors Association; Arlington, VA; 2004.

<u>Horizontal Directional Drilling: Utility and Pipeline Applications;</u> Willoughby, David A.; McGraw-Hill; New York; 2005.

<u>Trenchless Technology: Pipeline and Utility Design, Construction, and Renewal</u>; Najafi, Mohammad, and Gohkale, Sanjiv; McGraw-Hill; New York; 2005.

<u>Trenchless Technology Piping: Installation and Inspection</u>; Najafi, Mohammad; McGraw-Hill; New York; 2010.

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<u>Guidelines for Use of Mini-Horizontal Directional Drilling for Placement of High Density Polyethylene</u> <u>Pipe</u>, TR-46; Slavin, Larry; The Plastics Pipe Institute; Irving, TX; 2009.

<u>Permits - HCPs in Development: NiSource Multi-Species Habitat Conservation Plan</u>; Shafer, John; Appendix J, "Horizontal Directional Drilling"; U.S. Fish & Wildlife Service; Bloomington, MN; 2013.

<u>Avoiding Underground Utilities During Horizontal Directional Drilling Operations, Safety and Health Information Bulletin</u>, SHIB 03-13-2018; Occupational Safety and Health Administration; Washington, DC; 2018. Available at: https://www.osha.gov/dts/shib/shib031318.pdf

<u>Louisiana Underground Utilities and Facilities Damage Prevention Law;</u> 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

<u>CGA Common Ground Alliance Best Practices 15.0</u>; Common Ground Alliance; Alexandria, VA; 2018. Found at: http://commongroundalliance.com/damage-prevention/toolkits/best-practices-toolkit

<u>Louisiana Regulations for Trucks, Vehicles and Loads</u>, 2013, 24th Edition; Louisiana Department of Transportation and Development; Baton Rouge, LA; 2013. <u>http://perba.dotd.louisiana.gov/welcome.nsf/RegBook2013.pdf</u>

<u>Training Requirements in OSHA Standards</u>, OSHA 2254-09R 2015; p. 164; Occupational Safety and Health Administration; Washington, DC; 2015. Available at: https://www.osha.gov/Publications/osha2254.pdf

<u>Title 49, Code of Federal Regulations</u>, Subtitle B, Chapter III, Subchapter B, Parts 395, 396; U. S. Government Printing Office; Washington, DC; 1028. Available at: https://www.fmcsa.dot.gov/advisory-committees/mcsac/publications

<u>Louisiana Administrative Code</u>, Title 51, Part XII, Sections 115, 247. Available at: http://www.doa.la.gov/pages/osr/lac/books.aspx

<u>Louisiana Administrative Code</u>, Title 55, Chapter 21.

<u>Louisiana Administrative Code</u>, Title 73, Part 1, Sections 301, 301, and 503.D.

References Continued

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

<u>Manual on Uniform Traffic Control Devices</u>, 2009 Edition with Revisions 1 and 2 from 2012; pp. 551-560, Table 6-C; Federal Highway Administration; Washington, DC; 2012. <u>mutcd2009r1r2edition.pdf (dot.gov)</u>

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