

PROCURING THE SERVICES OF A PROFESSIONAL ENGINEER

One of the most important procedures for ensuring proper maintenance of the dam is procuring the services of a professional engineer. This document is designed to answer the most commonly asked questions about hiring an engineer and to provide a list of engineers who have requested to be placed on a list.

Why do I need an engineer?

All dams will deteriorate with time. Periodic inspection, proper maintenance, and occasional repair and rehabilitation are inevitable. In addition, downstream development may have resulted in a change in the hazard classification and a need to upgrade the dam. An owner needs the expertise of an engineer to perform inspections or evaluate and undertake corrective measures at a dam.

An engineer can investigate the problem and recommend a course of action which may include the design of corrective measures and the preparation of construction plans and specifications, hydrologic and hydraulic analysis, breach analysis, and inundation mapping for emergency action plans. The engineer also can assist in selecting a contractor and can provide valuable construction inspection services.

Finally, §299.4 of 30 Texas Administrative Code Chapter 299, the Dam Safety Program rules, requires use of an engineer.

What type of engineer should I hire?

It is essential to select someone with a Texas Professional Engineer license, who is competent in the field of dam safety. Important criteria to look for in a prospective engineer include the following:

- A professional engineer licensed in Texas;
- A knowledge of the Texas Dam Safety rules and regulations (30 Texas Administrative Code Chapter 299);
- Specific experience in the problem area; e.g., hydrology, hydraulics, structural, or geotechnical engineering; and
- An engineering company with an active Texas Board of Professional Engineers Firm Registration number. Check the [PE Board](#)¹ web site for verification.

How do I choose an engineer who is best for my needs?

The best way to select an engineer is through a qualification based approach, which is the approach public entities must use based on rules of the Texas Board of Professional Engineers. This means that the knowledge, experience, and ingenuity of the engineer are the determining factors in making the selection. This strategy is advantageous when the owner is uncertain about the exact problem or the best solution to the problem.

When basing your selection on qualifications, several engineering firms submit their technical qualifications, experience with similar projects, reputation with existing clients, and other factors pertaining to the specific project. The owner then selects the most qualified firms to make brief presentations outlining a cost-effective and innovative approach to the problem. Based upon these presentations, the owner selects the most qualified engineer to develop a scope of work.

When agreement on the scope of work is achieved, the engineer and the owner negotiate a price that is fair and reasonable to both parties. If an agreement cannot be reached, negotiations start with the second ranked engineer. In this selection process, price is the main factor, but only after the most qualified engineer has been identified.

A private owner can also use a fee-based selection process, meaning that the engineer's fee is the only determining factor in making the selection. This process is advantageous when the owner knows exactly what is needed and can clearly define the scope of work before meeting with the engineer. However, the owner may not get the best option for the project and may select an engineer that is not qualified to do the work.

What does an owner need to do?

An owner needs to:

- Request references from the engineer.
- Contact the references to discuss the engineer's performance.
- If possible, look at other projects completed under the engineer's design.
- Maintain an open line of communication with the Texas Dam Safety Program to verify that the rules will be met with the proposed work.
- Become knowledgeable in the basics of dam safety and the applicable rules.
- Carefully consider the selection of an engineer. A little extra work to ensure retaining the right engineer may save money in the future.
- Request options, if possible, for addressing the problem at the dam.

[TCEQ Dam Safety Program Web Site²](#)

Dam Engineers that have requested to be listed

The following is an alphabetical list of engineers that have requested to be placed on the list. The TCEQ does not **pre-certify, recommend, or endorse** any of the following engineers. An owner is not obligated to hire an engineer on this list. Any licensed Texas professional engineer experienced and familiar with dam construction and design and TCEQ rules can be used.

The following list is in alphabetical order by engineering firm:

Adams Consulting Engineers, Inc., Tyler office
Dam Safety contact: David C. Riddle, Ph.D., P. E.
903/324-8400 david.riddle@adamsengineering.com

AECOM, Austin office
Dam Safety Contact: Jeff Irvin, P.E.
512/419-6523 jeff.irvin@aecom.com

AECOM, Dallas office
Dam Safety contact: Chula Ellepola, P. E.
214/741-0505 chula.ellepola@aecom.com

Amec Foster Wheeler, Dallas office
Dam Safety contact: Hector Gonzalez, P. E.
469/828-4160 hector.gonzalez2@amecfw.com

Amec Foster Wheeler, Topeka, Kansas office
Dam Safety contact: Larry Sample, P. E.
785/272-6830 larry.sample@amec.com

Arcadis, Austin office
Dam Safety contact: Fred Blumberg, P. E.
512/584-4242 fred.blumberg@arcadis-us.com

Baird, Hampton & Brown, Inc., Grapevine office
Dam Safety Contact: Konstantine Bakintas, P. E.
817/251-8550 ext 301 kb@BHBInc.com

Baird, Hampton & Brown, Inc., Fort Worth office
Dam Safety contact: Trace Strevey, P. E.
817/338-1277 tstrevey@BHBInc.com

Baird, Hampton & Brown, Inc., Weatherford office
Dam Safety contact: Shannon L. Nave, P. E., CFM
817/596-7575 Shannon@BHBInc.com

Black & Veatch, San Antonio office
Dam Safety contact: Phillip Cook, P. E.
210/404-1330 cookp@bv.com

Bridgfarmer & Associates, Inc., Dallas office
Dam Safety contact: Tzu-Jui (Megan) Tang, P. E.
972/231-8800 tang@bridgfarmer.com

BGE, Inc., Dallas office
Dam Safety contact: Dorian French, P. E., RPLS, D.WRE
469/621-3111 dfrench@bgeinc.com

BGE, Inc., San Antonio office
Dam Safety contact: Luis Alday, P. E., CFM
210/581-3605 lalday@bgeinc.com

Bullock, Bennett & Associates, Bertram office
Dam Safety contact: Dan Bullock, P. E.
512/355-9198 dbullock@bbaengineering.com

CDM Smith, Inc., Dallas office
Dam Safety contact: Jeff Van Pelt, P. E.
214/346-2856 vanpeltjd@cdmsmith.com

CivilTech Engineering, Inc., Cypress office
Dam Safety contact: Melvin G. Spinks, P. E.
281/304-0200 mghspinks@civiltecheng.com

CP&Y, Inc., Austin office
Dam Safety contact: Wesley Young, P. E., CFM
512/349-0700 wyoung@cpyi.com

CP&Y, Inc., Longview office
Dam Safety contact: Walter (Terry) Winn, Jr., P. E.
903/553-0500 twinn@cpyi.com

Crespo Consulting Services, Inc., Austin office
Dam Safety contact: L. Stephen Stecher, P. E.
512/343-6404 sstecher@crespoinc.com

David Harris Engineering and Assistance, LLC, Elizabeth, Co. office
Dam Safety contact: David Harris, Ph.D., P. E.
303/748-9163 davidwharris@concast.net

Dewberry, Denton/DFW office
Dam Safety contact: Jake Lesue, P. E., CFM
940/735-3345 jlesue@dewberry.com

Dunaway Associates, Austin office
Dam Safety contact: Richard Frithiof, P. E., CFM
512/717-6311 rfrithiof@dunawayassociates.com

Enprotec/Hibbs & Todd, Abilene office
Dam Safety contact: Scott Hibbs, P. E.
325/698-5560 abilene@e-ht.com

Freese and Nichols, Inc., Austin office
Dam Safety contact: Victor M. Vasquez, P. E.
512/617-3142 vmv@freese.com

Freese and Nichols, Inc., Fort Worth office
Dam Safety contact: John Rutledge, P. E.
817/735-7284 jl原因@freese.com

Freese and Nichols, Inc., Houston office
Dam Safety contact: Cody Cockroft, P. E.
712/600-6832 cmc@freese.com

Gary Burton Engineering, Inc., Tyler office
Dam Safety contact: Gary L. Burton, III, P. E.
903/561-6984 gburton@gbei-tx.com

Givler Engineering, Inc., San Antonio office
Dam Safety contact: David Givler, P. E.
210/342-3991 ext 204 givler@givlerengineering.com

Gregory Geotechnical, Stillwater, OK. office
Dam Safety contact: Garry Gregory, Ph.D., P. E., D.GE.
505/747-8200 ggregory@gregeo.com

Halff Associates, Inc., Austin office
Dam Safety contact: Mike Moya, P. E., CFM, Vice President
512/777-4550 mmoya@halff.com

Halff Associates, Inc., Fort Worth office
Dam Safety contact: Andrew Ickert, P. E.
817/764-7523 aickert@halff.com

Halff Associates, Inc., Richardson office
Dam Safety contact: Jeffrey J. Alvarez, P. E., CFM
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Henley-Johnston & Associates, Inc., Dallas office
Dam Safety contact: James F. Phipps, P.E.
214/941-3808 jphipps@hja-eng.com

HDR Engineering, Inc., Austin office
Dam Safety contact: Cris Parker, P. E.
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Huitt-Zollars, Inc., Dallas office
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214/871-3311 jho@huitt-zollars.com

Huitt-Zollars, Inc., Fort Worth office
Dam Safety contact: Larry Rogers, P. E.
817/335-3000 lrogers@huitt-zollars.com

Huitt-Zollars, Inc., Houston office
Dam Safety contact: Gregory R. Wine, P. E.
281/496-0066 gwine@huitt-zollars.com

Jacob & Martin, LTD., Abilene office
Dam Safety contact: Kenneth B. Martin, P. E.
325/695-1070 kbm@jacobmartin.com

Jacobs Engineering Group, Inc., Dallas office
Dam Safety contact: Jack Furlong, P. E., D.WRE.
214/583-8201 jack.furlong@jacobs.com

Jacobs Engineering Group, Inc., Fort Worth office
Dam Safety contact: Thomas Davies, P. E.
817/347-5398 thomas.davies@jacobs.com

Jones & Carter, Inc., Houston office
Dam Safety contact: Craig Kalkomey, P. E.
713/777-5337 cwkalkomey@jonescater.com

Jones-Heroy & Associates, Lampasas office
Dam Safety contact: Jason S. Jones, P. E.
512/556-2300 jasonj@jones-heroy.com

KBGE, Austin office
Dam Safety contact: Chad Kimbrell, P. E.
512/439-0400 chad@kimbrellbruehl.com

Kimley-Horn & Associates, Dallas office
Dam Safety contact: Brad Pickering, P. E., CFM
972/770-1300 brad.pickering@kimley-horn.com

Kimley-Horn & Associates, Los Colinas office
Dam Safety contact: Misty Christian, P. E., CFM
214/420-5600 misty.christian@kimley-horn.com

Koogler Associates, Houston office
Dam Safety contact: James Koogler, P. E.
713/305-5371 jkoogler@kooglerassociates.net

KSA, Longview office
Dam Safety contact: Chris Aylor, P. E.
903/236-7700 caylor@ksaeng.com

KSA, Tyler office
Dam Safety contact: Lynn Hitt, P. E.
903/581-8141 lhitt@ksaeng.com

LJA Engineering, Inc., Austin office
Dam Safety office: Tom Mountz, P. E.
512/439-4717 tmountz@ljaengineering.com

LNV, San Antonio office
Dam Safety office: Alan Thompson, P. E.
210/822-2232 athompson@lvinc.com

McLendon Hydrology and Engineering, LLC, Fort Worth office
Dam Safety contact: David W. McLendon, P. E., CFM
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M&E Consultants, Heidenheimer office
Dam Safety contact: Dennis Medlin, P. E.
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M. Evans Consulting, Big Spring office
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M&S Engineering, Spring Branch office
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Nathan D. Maier, Dallas office
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O'Brien Engineering, Dallas office
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OCCAM/EC, Houston office
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Pierce Chandler, Rockwall office
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Purkeypile Consulting, LLC, Eureka Springs, Ark. Office
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RPS Group, Austin office
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Schnabel Engineering, Dallas office
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Stokes & Associates, Inc., Henderson office
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Velvin & Weeks Consulting Engineers, Inc., Athens office
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281/440-3787 ayung@walterpmoore.com

W&M Environmental Group, Houston office
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Z Professional Services, Southlake office
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¹ <http://www.tbpe.state.tx.us>

² <https://www.tceq.texas.gov/field/damsafetyprog.html>