Dan Brown and Associates, PC
Geotechnical and Foundation Engineering,
Specialists in Deep Foundation Construction, Design, and Testing

Dan Brown and Associates, PC (DBA) is a consulting engineering firm specializing in geotechnical and foundation engineering, with emphasis on problem solving relating to foundation engineering and slope stability problems. Dr. Dan Brown, P.E., D.GE founded DBA in 2004 to serve the niche of deep foundation specialist to designers, contractors, and owners. He recruited Dr. Steve Dapp, P.E. to start the firm with headquarters outside of Chattanooga, Tennessee. The company has continued to grow since, adding three more principals (Mr. Paul Axtell, P.E, Mr. Tim Siegel, P.E., D.GE, and Mr. Robert Thompson, P.E., D.GE), and two part-time senior associates, including Dr. Erik Loehr, P.E. at the University of Missouri. In 2011 and 2012, two more senior personnel joined the firm: Dr. John Turner, P.E. (drilled foundations) and Mr. Barry J. Meyer, P.E. (deep foundations), adding to the firm's expertise portfolio. A summary of the key staff of DBA is attached.

The main area of focus for DBA is deep foundation systems – structural elements installed deep into the ground to support structures. Most of DBA's work is related to large bridges and other transportation structures, although some recent projects have included hospitals, hotels, and industrial facilities. Although DBA is well known for their expertise in drilled shaft foundations, they also are sought for their knowledge and experience with driven piles, micropiles, augercast piles, other deep foundation systems, and ground improvement systems.

During his over 24 years on the faculty at Auburn University, Dr. Brown became known as one of the top experts in the field of deep foundation design and construction, particularly with drilled shaft foundation systems. His research in both axial and lateral loading, as well as constructability, has advanced the state of the art. He and Dr. Turner coauthored "Drilled Shafts: Construction Procedures and LRFD Design Methods" published by the FHWA in 2010, more commonly referred to as "the FHWA drilled shaft manual". Dr. Brown was also the lead author of the 2007 FHWA publication on augered piles "Design and Construction of Continuous Flight Auger Piles".

Within the field of drilled shaft construction, DBA has significant experience in the design and construction of post grouted drilled shafts, being considered a leader in the design and installation of post grouted drilled shafts. Dr. Dapp is one of the leaders in the development of the current post grouting design and installation procedures. Both Dr. Dapp and Dr. Brown have given lectures and technical presentations on post grouted drilled shaft design and construction, as well as authoring significant publications on this technology. DBA also has significant experience with post grouting on many major bridge projects across the United States. A list of our post grouting experience is attached.

Another area of focus for DBA is slope stability – analyzing ground slopes, either natural or man-made, to determine if they are stable (won't slide). Analyzing failed slopes is a large part of this work, including designing repairs for failed slopes. DBA has expertise and experience in using a variety of systems for slope stabilization or repair, including soil nails, micropiles, and rock anchors.