



NATHAN E. GLINSKI, E.I.  
Project Engineer



### Professional Experience

Joined DBA 2012

Total years of experience: 8

Graduate Research/Teaching Assistant, Department of Civil Engineering, Georgia Institute of Technology (2011-2012)

Internship, DBA (Summer 2010/2011)

### Education

M.S., Civil Engineering (Geotechnical), Georgia Institute of Technology, 2012

B.S. Civil Engineering, Georgia Institute of Technology, 2011

### Professional Licensure and Certifications

Engineer Intern in Georgia

### Fields of Expertise

Design, construction, and load testing of deep foundations, including specialty foundations

Design and analysis of retaining structures

Design, construction and testing of ground improvement techniques such as aggregate piers, rigid inclusions, compaction grouting.

Site investigation and in-situ testing

Experienced with common geotechnical computer tools such as LPILE, GROUP, PYWALL, Slide, Settle3D, spColumn.

Experienced with drafting and detailing using AutoCAD LT and AutoCAD 3D.

### Major Projects

**Montgomery Multiplex at Cramton Bowl** – Montgomery, Alabama (2019 -2020) – Project Geotechnical Engineer involved with the design and field observation of compaction grouting ground improvement. Tasks included development of project specifications and bid package, development of compaction grouting program, field observation of grouting operations, coordination with contractor to refine program and data synthesis/report.

**Summit Holdings Office Building** – Lakeland, Florida (2019-2020) – Project Geotechnical Engineer involved with the design of an aggregate pier ground improvement system. Tasks included design of aggregate pier system and modulus test program, interpretation of test results, client interaction and general project management.

**Selmon Expressway West Extension** – Tampa, Florida (2018-2019) – Project Geotechnical Engineer involved with installation of augercast pile foundations for temporary shoring structures. Tasks included observation of installation and grouting procedures in difficult geotechnical conditions, coordination with drilling contractor to minimize risk to schedule and cost while maintaining high standards of quality.

**Purple Line Light Rail Transit System** – Washington D.C. Metro Area (2016-2018) – Staff Geotechnical Engineer involved with retaining structure design and analysis for 16 miles of light rail line. Performed analysis on several wall types including Mechanically Stabilized Earth, Soldier Pile (with Tiebacks), Soil Nail, and Gravity-Type Retaining Walls.

**The Exchange at Mission Bay** – San Francisco, CA (2015-2016) – Staff/Field Geotechnical Engineer involved in the design and construction of small diameter drilled shafts in highly variable subsurface conditions. Tasks included analysis of drilled shaft groups, lateral analysis, shaft structural design and field observations/calculations.

**Indianapolis Power and Light** – Petersburg IN (2015) – Staff/Field Geotechnical Engineer involved with load test program for Augured Pressure Grouted (APG) pile foundations supporting a new wastewater treatment plant.

**BNSF Railway Ground Improvement** – La Crosse, WI (2015) – Staff/field Geotechnical Engineer involved with on-site observation of timber piling/load transfer platform system installation.

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**Highway 53 Relocation Project** – Virginia, MN (2014) – Staff/Field Geotechnical Engineer involved in the execution and observation of a load test program for Minnesota’s highest bridge to be constructed over the Rouchleau Pit.

**Tellico Canal Bridge** – Loudon Co., TN (2013-2014) – Staff/Field Geotechnical Engineer for the drilled shaft foundation construction, including site investigation. Constructed by Seaboard Foundations.

**Sellwood Bridge over Willamette River** – Portland, OR (2013) – Staff/Field Geotechnical Engineer for construction of drilled shaft foundations supporting a concrete arch bridge spanning the Willamette River. Oversaw all construction processes as well as made on site determinations of shaft lengths based on subsurface conditions and rock quality.

**Lucile Packard Children’s Hospital** – Palo Alto, CA (2012) – Performed load test program, in conjunction with Applied Foundation Testing (AFT), for a major hospital expansion to be supported on augered, cast-in-place piles.

**New Hospital and Medical Office Building** – Owensboro, KY (2010) – Observe installation and testing for \$5M ground improvement program to mitigate liquefaction and reinforce beneath shallow foundations.

**Foothills Parkway Bridge 2** – Blount County, TN (2010) – Staff/Field Geotechnical Engineer -- Observed rock anchor and micropile installation for a 950 foot long elevated scenic roadway in mountainous terrain.

### Professional Memberships

American Society of Civil Engineers (ASCE)  
Geo-Institute (GI) of the ASCE

### Selected Publications and Presentations

Glinski, N.E., Axtell, P.J., and Lopez, M. (2016). “Sellwood Bridge: Foundation Engineering to Optimize Construction,”  
*Proceedings: The 33th International Bridge Conference*, IBC 16-53. National Harbor, MD.