



#### EDUCATION

- Yonsei University, South Korea
  - Bachelor of Science, Civil Engineering, 2004
- University of Texas at Austin
  - Master of Science, Geotechnical Engineering, 2007

#### PRACTICE AREAS

- Retaining Walls and Shoring
- Foundation Engineering
- Slope Stability
- Distressed Geo-Structure Assessment and Underpinning
- Soil Settlement and Expansion

#### REGISTRATIONS

- Professional Engineer in TX
- Project Management Professional

#### PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers - Geo-Institute

#### CONTACT

ylee@wje.com  
972.550.7777  
www.wje.com

#### EXPERIENCE

Yonghoon Lee has geotechnical engineering experience in diverse transportation, civil infrastructure, commercial, and industrial development projects in various locales. Mr. Lee's technical specialties include geotechnical site investigation and design, construction observation, and forensic assessment of geo-structures, including retaining walls and shoring, slope stability, foundations and underpinning, and issues related to compressible and expansive soil.

#### REPRESENTATIVE PROJECTS

##### Retaining Walls and Shoring

- Aledo Independent School District - Aledo, TX: Condition assessment of geogrid-reinforced, mechanically stabilized earth (MSE) retaining wall for specification compliance
- U.S. 90 Temporary Shoring Feasibility - Liberty County, TX: Alternative technical concept review of temporary shoring
- Costco Woodbury - Woodbury, MN: Plans, specifications, and estimate for stacked concrete block MSE walls \*
- City of Tulsa - OK: Plans, specifications, and estimate for stacked concrete block MSE and gravity walls \*
- McCaslin and U.S. 36 - Louisville, CO: Geotechnical investigation and design of soil nail walls \*

##### Foundation Engineering

- SH 236 Bridge at Leon River - Moody, TX: Geotechnical design of temporary bridge foundation and sheet pile shoring
- U.S. 183A Extension - Williamson County, TX: Geotechnical peer review of drilled shaft construction in karstic condition
- Interstate Highway Bridge - TX: Geotechnical design of remedial drilled shaft due to noncompliant construction (confidential)
- CVR Refinery - Coffeyville, KS: Geotechnical design recommendations for drilled piers, auger cast piles, and helical piers \*
- Lackland Air Force Base Medical Training Facility - San Antonio, TX: Geotechnical design recommendations for footings with subgrade improvement, drilled piers, and slab-on-grade construction \*

##### Slope Stability

- SH130 Bridge Abutment Slope Evaluation - Buda, TX: Condition assessment and stability analyses of existing bridge abutment slopes
- Major Highway Slope Failure Investigation and Remediation - Dallas, TX: Geotechnical evaluation of failed slope and affected sign structure; slope remediation using soil nails and regrading (confidential)
- McInnish Park Slope Failure - Carrollton, TX: Failure assessment and remedial alternative design \*
- Kessler Boulevard Slope Failure - Sherman, TX: Failure assessment and remedial alternative design \*
- Johnson County Gateway Design Build - KS: Design of reinforced earth slope, rock slope, and MSE walls \*

##### Distressed Geo-Structure Assessment and Underpinning

- Emerald Hills Rehab Center - North Richland Hills, TX: Condition assessment and remediation of distressed slab-on-ground of existing medical facility
- Warehouse Building - Irving, TX: Geotechnical study of movement of slab-on-ground and exterior tilt-up walls of existing building adjacent to slope (confidential)
- Blue Skies of Texas Mission Building - San Antonio, TX: Condition evaluations of foundation and slab movement related to expansive clay soils
- Copperfield Elementary - San Antonio, TX: Condition evaluations of foundation and slab movement related to expansive clay soils
- Montgomery Bell Academy - Nashville, TN: Geotechnical assessment of failed slab-on-ground due to groundwater
- Austin Bergstrom International Airport - Austin, TX: Condition assessment of MSE walls and stabilization design using soil nails and ground anchors \*
- Dallas North Tollway Retaining Wall - Collin County, TX: Inventory development of retaining walls and assessment of MSE walls \*
- President George Bush Turnpike at Dickerson Parkway - Carrollton, TX: MSE wall condition assessment, performance monitoring using inclinometers, and stabilization design \*

\* Projects prior to WJE