WJE

Yonghoon Lee | Senior Associate

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

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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 - Liberty County, TX: Alternative technical concept review of temporary shoring
- FM3349 Temporary Shoring - Williamson County, TX: Design of soldier piles with lagging and lateral bracing
- U.S. 183A Phase III - Leander, TX: Design of modular block MSE retaining walls for highway frontage roads
- Parkway Retaining Wall - Houston, TX: Assessment of failed modular block MSE retaining wall

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
- Garage Structure - Frisco, TX: Investigation of drilled pier settlement for a garage structure
- DFW International Airport Terminal Renovation – Dallas-Fort Worth, TX: Design of remedial micropile foundation system for defective drilled shaft foundation

Slope Stability
- SH130 Bridge Abutment - Buda, TX: Condition assessment and stability analyses of existing bridge abutment slopes
- Major Highway - Dallas, TX: Geotechnical evaluation of failed slope and affected sign structure; slope remediation using soil nails and regrading
- N. Cockrell Hill Road - Dallas, TX: Slope failure assessment and remediation design using shear keys
- Ronald Kirk Pedestrain Bridge Abutment - Dallas, TX: Distressed slope assessment and design of slope stabilization using soil nails
- Hillcrest Bridge Abutment - Dallas, TX: Distressed slope assessment and design of slope stabilization using gabion basket wall with soil nails

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
- 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
- Warehouse Building - Memphis, TN: Geotechnical assessment of floor slab settlement
- 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 *

Indicates with previous firm

WJE | ENGINEERS ARCHITECTS MATERIALS SCIENTISTS