

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 Wall and Shoring
- Foundation Engineering
- Slope Stability
- Distressed Geo-Structure Assessment and Underpinning
- Soil Settlement and Expansion
- Public Transportation
- Commercial and Industrial Development

REGISTRATIONS

- Professional Engineer in TX
- Project Management Professional

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers
- Geo-Institute

CONTACT

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EXPERIENCE

Yonghoon Lee has practiced geotechnical engineering for more than eleven years on diverse types of civil infrastructure, commercial, and industrial development projects in various locales. Mr. Lee's technical specialties include 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. Mr. Lee's experience includes preparation of plans, specifications, and opinions of probable cost for new earth retention systems or retrofit of existing retention systems.

REPRESENTATIVE PROJECTS

Retaining Wall and Shoring

- Costco Woodbury - Woodbury, MN: Plans, specifications, and estimate for stacked concrete block MSE walls*
- General Motors Body Shop Temporary Shoring - Arlington, TX: Design of temporary soldier piles*
- Costco Davenport - Davenport, IA: Plans, specifications, and estimate for stacked concrete block MSE walls*
- City of Tulsa MSE and Gravity Walls: Plans, specifications, and estimate for stacked concrete block MSE and gravity walls*
- Soil Nail Wall McCaslin and US-36 - Louisville, CO: Geotechnical investigation and design of soil nail walls*

Foundation Engineering

- CVR Refinery - Coffeyville, OK: 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*
- Melissa High School and McKillop Elementary School Additions - Melissa, TX: Geotechnical design recommendations for drilled piers and slab on grade with subgrade improvement*
- Magellan Gas Storage Tanks - Frost, TX: Geotechnical design recommendations for concrete ring foundation*

Slope Stability

- McInnish Park Slope Failure - Carrollton, TX: Failure assessment and remedial alternative design*
- Kessler Boulevard Slope Failure - Sherman, TX: Failure assessment and remedial alternative design*
- Slope Failures at Hunt Street and Fallon Drive - Sherman, TX: Failure assessment and remedial alternative design*
- Johnson County Gateway Design Build - Johnson County, KS: Design of reinforced earth slope, rock slope, and MSE walls*

Distressed Geo-Structure Assessment and Underpinning

- President George Bush Turnpike at IH-635 Wall A Condition Assessment and Stabilization - Dallas County, TX: Condition assessment of MSE wall and stabilization design using soil nails*
- Austin Bergstrom International Airport Wall Distress Investigation - Austin, TX: Condition assessment of MSE walls and stabilization design using soil nails and ground anchors*
- Dallas North Tollway Retaining Wall Inventory and Condition Assessment - Collin County, TX: Inventory development of retaining walls and assessment of MSE walls*
- President George Bush Turnpike at Dickerson Pkwy MSE Wall Investigation - Carrollton, TX: MSE wall condition assessment, performance monitoring using inclinometers, and stabilization design*

Public Transportation

- Southern Gateway Design Build - Dallas, TX: Extension and Widening of IH-35E and US-67*
- Cimarron IH-25 Design Build - Colorado Springs, CO: Design of MSE walls for widening of IH-25*
- SH-20 Realignment - Tulsa, OK: Design of MSE walls and Cast-in-Place concrete walls*

*Projects prior to WJE