



Akhil S. Katari, EIT
Geotechnical Engineer

Education

BS, Civil Engineering, Ohio State University, 2017

Registrations/Certifications

Engineer in Training: Ohio

Experience Summary

Mr. Katari is a Geotechnical Engineer (EIT) with 3 years of experience working on various projects, including overhead transmission lines, natural gas facilities and compressor stations, wind and solar farms, substation expansion and rebuild, roadway expansion, and commercial development and construction. In addition, Mr. Katari has assisted in preparing geotechnical reports and executing calculations (slope stability analysis, foundation bearing capacity, settlement, earth pressures, etc.).

His field and laboratory experience includes supervising borehole drilling and performing soil and rock classifications, field electrical resistivity testing, conducting various CoMET services, including construction oversight, concrete sampling and testing, laboratory testing (moisture content, grain-size distribution, Atterberg limits, Proctor compaction [moisture-density], hydrometer test, unconfined compression test, and concrete compression), inspecting reinforcing steel for use in concrete structures, and compaction testing with a nuclear density gauge. Akhil is proficient in ArcGIS, AutoCAD, gINT, SLOPE/W (GEOSLOPE), MathCAD, Settle3D, and MFAD software. In addition, Mr. Katari has working knowledge in four-probe electrical resistivity, infiltration, pile load, and pressuremeter testing.

Project Experience

Geotechnical

I-635 LBJ EAST EXPANSION PROJECT | TEXAS

As Field Coordinator, led a team of engineers and geologists performing geotechnical drilling activities, coordinating with drilling subcontractors, utility personnel, and highway administration representatives. Responsible for submitting daily and weekly progress reports to the client, boring logs, laboratory test requests, and other health and safety documentation. Performed pavement design calculations per TxDOT standards and drafted various design documents using ArcGIS, gINT, and MicroStation. (Kleinfelder, 2019 to 2020)

MADISON LOOP 69 kV TRANSMISSION LINE | OHIO

Conducted a geotechnical exploration program and performed field electrical resistivity testing. Assisted with the geotechnical evaluation report, developed soil parameters for foundation design, and compiled design summary sheets. (Kleinfelder, 2018)

HILLSBORO – HUTCHINGS 138kV TRANSMISSION LINE REBUILD | OHIO

Performed a site investigation, subsurface exploration, and assisted in preparing geotechnical reports and calculations. (Kleinfelder, 2020)

EQUITRANS PIPELINE LANDSLIDE EVALUATIONS | WEST VIRGINIA

Assisted with field geotechnical investigations and oversaw construction activities for several slip repairs. Prepared slope stability models and earthwork quantity calculations. (Kleinfelder, 2018)

LINE 224 REBUILD | VIRGINIA

Oversaw site geotechnical investigations, prepared geotechnical reports, and developed parameters for foundation design use. (Kleinfelder, 2020)

SULFUR CITY THIRD PARTY GEOTECHNICAL EVALUATION | WEST VIRGINIA

Provided construction oversight for a substation pad. (Kleinfelder, 2021)

CROSSLAND SUBSTATION EXPANSION | OHIO

Site Engineer responsible for geotechnical drilling activities, electrical resistivity, and double-ring infiltration testing. Prepared bearing capacity calculations, settlement estimates, and presented recommendations on mat slabs and drilled pier foundations. (Kleinfelder, 2020)

COTTONTAIL SOLAR FARM DUE DILIGENCE | PENNSYLVANIA

Responsible for identifying and evaluating various geohazards for a solar farm based on field observations and compiling maps using publicly available GIS data. (Kleinfelder, 2019)

BIG LEVEL WIND CONSTRUCTION PROJECT | PENNSYLVANIA

Site Engineer responsible for construction material testing and oversight. (Kleinfelder, 2019)

CATOCTIN SUBSTATION EXPANSION | THURMONT, MARYLAND

Responsible for geotechnical drilling oversight. Assisted with the project feasibility desktop study, preliminary foundation design, and geotechnical exploration. (Kleinfelder, 2020)

Professional Affiliations

American Society of Civil Engineers (ASCE), Member

Employment History

CURRENT EMPLOYER	TIERRA GROUP INTERNATIONAL, LTD.
POSITION	Geotechnical Engineer
YEARS	2021 to Present
EMPLOYER	KLEINFELDER, INC.
POSITION	Staff Geotechnical Engineer
YEARS	2018 to 2021
EMPLOYER	CTL ENGINEERING, INC.
POSITION	Laboratory/Engineering Technician
YEARS	2016 to 2018
EMPLOYER	LARSEN & TOUBRO LTD.
POSITION	Construction Site Engineer
YEARS	2014

Language Proficiency

English: Fluent
Hindi: Native