

HELENSCHMIDT GEOTECHNICAL, INC.
STATEMENT OF QUALIFICATIONS

Helenschmidt Geotechnical, Inc. (HGI) is a full service geotechnical consulting firm. Our project experience includes geotechnical hazard remediation, commercial and residential development, public works projects, seawall design and construction, and seismic analysis and retrofit. **HGI** maintains an in-house soil testing laboratory, advanced geotechnical engineering software, computer aided drafting and technical illustration software, and an extensive geologic reference library.

HGI's staff specializes in investigation, analysis and mitigation of geotechnical hazards. **HGI** has performed numerous slope stability review and mitigation design assignments for the Cities of San Diego, San Juan Capistrano, Rancho Palos Verdes and Encinitas. **HGI's** stabilization design of the Soledad Mountain Road Landslide in La Jolla, California received an "Award of Excellence" from the American Society of Civil Engineers and an award for "Project of the Year" by the American Public Works Association. We provide a full spectrum of geotechnical services, and specialize in the following areas:

Foundation Design

- Earth retention structures
- Small to large building foundations
- Foundations on steep or geologically complex terrain
- Deep foundation systems

Hazard Studies

- Mapping of geology, geologic hazards, fault features and distress documentation
- Hazard and geologic map development for planning purposes
- Subsurface characterization and remedial design

Design Services

- Civil design services for grading and construction of stabilization projects
- Coastal development including site stability, bluff/shoreline retreat and seawall design
- Plan submittal and permitting assistance
- Engineer's construction cost estimating, and bid and contract assistance
- Construction observation and testing

Landslide Remediation

- Advanced analysis tools for evaluation of stability for natural and man-made slopes
- Detailed investigation/characterization of site features and creative hazard mitigation design
- Rapid response and development of emergency mitigation measures for active landslides

Expert Witness Services / Failure Analysis

- Investigation of causative factors for soil movement and distress to structures
- Advanced instrumentation for evaluation and monitoring of distress and ground movement
- Diligent recognition, characterization and analysis of site features
- Preparation of court exhibits for presentation of technical information

Peer Review

- Geotechnical Consultant and/or Third-Party Reviewer for public agencies and developers
- Geotechnical review of geologic/geotechnical investigations for discretionary permitting
- Supplemental consultation during project construction
- Monitoring and response protocol for properties impacted by adjacent construction activities

HGI provides geotechnical services for multidisciplinary teams including government officials, regional planners, attorneys, architects and engineers, and other design professionals. We are adept at providing concise, readily understandable geotechnical data in graphical and verbal formats to audiences ranging from design professionals to agencies and community groups.

City of San Diego Emerging Local Business Enterprise (ELBE) 12HG0648, State of California Small Business Enterprise (SBE Micro) 1141280, EIN 20-1461755, DUNS 168950157, NAICS Codes 541380,541310, 541330, UNSPSC Codes 811015, 811157, 411139, 411140, 411141