



Aric Hotaling, P.E.

Senior Engineer

Mr. Hotaling is a geotechnical engineer with over twelve years of experience delivering various projects across the United States and Canada in both private consulting and public service. He is a Licensed Professional Engineer (PE) with strong project management experience, multidisciplinary collaboration skills, and a commitment to safety and regulatory compliance. He has served in diverse roles, adapting to varying project requirements and organizational needs. He has a strong foundation in geotechnical applications and modeling and is proficient in the latest industry software. He is committed to leveraging advanced engineering principles and technologies to enhance project efficiency and sustainability.

EXPERIENCE

Education

B.S., Geological Engineering,
Montana Tech, 2013

Professional Registrations

Montana: No. 59793
Idaho: No. 6671572
Washington: No. 25024121

Certifications

APNGA Portable Nuclear
Gauge Safety & US DOT
Hazmat Certification
OSHA 30-hour Training

Strengths

Leadership
Strategic Planning
Project Management
Problem Solving
Process Improvement
Risk Management

Engineering Expertise

Foundation Design
Ground Improvement
Geotechnical Risk
Assessment
Slope Stability
Earth Retaining Structures
Seismic Hazard Evaluation
Rock Engineering
Settlement Analysis
Pavement Design

Contact

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- Log rock cores and conduct underground geological mapping to support mine operations and development
- Prepare geotechnical proposals, cost estimates, and corresponding technical reports for infrastructure and environmental projects
- Coordinate and perform field investigations, including logging of geotechnical borings (drilling and rock coring) and geophysical surveys (seismic refraction and resistivity), and implement digital tools to improve data collection efficiency
- Conduct laboratory testing and analysis of soil samples, interpreting results to inform engineering design
- Foundation design for bridges, buildings, tanks, pump stations, culverts, towers, and retaining walls, including shallow and deep foundation systems (driven piles, drilled shafts, micropiles, and helical piers) in challenging soil conditions like swelling clays and hydro-collapsible sands
- Perform slope stability modeling and analysis for existing failures, proposed repositories, landfills, and engineered slopes, and develop mitigation strategies and repair designs
- Design paved and unpaved roads for municipalities, forest service facilities, highways, and remote access sites
- Design pavement sections for general aviation and commercial airport taxiways, runways, ramps, and aprons
- Conduct inadvertent return analyses for HDD pipeline borings
- Review third-party engineering reports and specifications, and prepare technical documentation for contract bid packages
- Manage projects from proposal through final submittal and construction oversight, including supervision of junior engineering staff