

Peter A. Stauffer | Principal



EDUCATION

- University of Colorado
 - Bachelor of Science, Civil Engineering, 1978
- University of Texas at Austin
 - Master of Science, Geotechnical Engineering, 1986

PRACTICE AREAS

- Foundations and Retaining Walls
- Mine Development
- Water Resource Dams and Canals
- Earth Retention and Slope Stabilization
- Transportation

REGISTRATIONS

- Professional Engineer in CO and WY

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers, co-chair, biennial continuing education seminars
- Colorado Association of Geotechnical Engineers, Board of Directors
- International Society of Soil Mechanics and Foundation Engineering
- United States Society on Dams

CONTACT

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EXPERIENCE

Peter Stauffer has more than thirty-four years of experience in geotechnical engineering, including field and laboratory investigations, engineering analysis and design, preparation of construction documents, and construction phase services. Mr. Stauffer has worked on a wide range of projects including foundations; transportation facilities; single-family subdivisions; commercial and industrial buildings; water treatment plants; investigation of damaged structures; static and seismic stability evaluations; landslide analysis and design of stabilization measures; earth and earth-rock dams; roller-compacted-concrete dams; and mine facilities and tailing impoundments. He has managed projects ranging from small geotechnical investigations to large multidiscipline design and construction projects overseas. Mr. Stauffer is skilled in the identification and implementation of innovative and cost-effective solutions to client problems.

REPRESENTATIVE PROJECTS

Foundations and Retaining Walls

- United States Postal Service - Rocky Mountain Region: Geotechnical engineering and foundation design *
- Commercial Buildings - Gillette, WY: Geotechnical and forensic engineering services for three buildings that experienced differential settlement *
- Signature Centre - Golden, CO: Geotechnical investigations, foundation remediation design, and forensic engineering *
- Residential/Commercial Properties - Front Range, CO: Foundation investigations, design and construction recommendations, and construction phase services *
- Construction Defects Litigation: Consultation and expert witness involving structures damaged by swelling and collapsing soils *

Mine Development

- Morenci, Chino, Tyrone, and Ajo Mines - AZ and NM: Design and construction of new tailing impoundment, stability and erosion control evaluations, and geotechnical studies *

* Projects prior to WJE

- Mount Emmons Project - CO: Construction phase services for water storage ponds, water treatment plant, and tailing dams reclamation *
- Toquepala and Cuajone Mines - Peru: Management of development of new tailing disposal facility *
- Kennecott Utah Copper Mine - Salt Lake Valley, UT: Geotechnical, seismicity, and hydrology studies; design of new tailing impoundment *

Water Resource Dams and Canals

- Button Rock Dam - Longmont, CO: Direction of geologic and geotechnical studies *
- New Waddell Dam - Maricopa County, AZ: Deformation studies *
- Kansas Power & Light - Topeka, KS: Geotechnical investigation and resident engineer for repair of failed earth dam *
- Hog Park Dam - Carbon County, WY: Resident geotechnical engineer during construction *
- North Village Reservoir - Crested Butte, CO: Geotechnical investigations and landslide evaluation at right abutment *
- Upper Highline Dam - Mesa County, CO: Geotechnical investigations; instrumentation and monitoring

Earth Retention and Slope Stabilization

- Telluride Airport Landslide - Telluride, CO: Field investigation, laboratory testing and analysis, and expert witness services *
- Keystone Ski Area - CO: Geologic and geotechnical investigations and slope stability analyses to evaluate landslide area above Mountain House development *
- RidgeGate Subdivision - Lone Tree, CO: Engineering geological and slope stability assessment *
- 4th Street Bridge - Pueblo, CO: Geological engineering and slope stability analyses for southwest abutment *
- County Landfill Landslide - SD: Installation of inclinometers, review of monitoring data, and recommendations for modifications to landfill operations *

Transportation

- I-15 - Salt Lake City, UT: Technical assistance in evaluation of foundation treatment alternatives for new embankment sections *