

**Kristi K. Bumpas, PE, LEED AP**

PROJECT ENGINEER / PRESIDENT  
RED ROCK CONSULTING, LLC

**PROFESSIONAL EXPERIENCE**

Ms. Bumpas is a project engineer responsible for geotechnical engineering projects and business development. She has extensive experience in soils testing and evaluation, pavement testing and evaluation and project management. Areas of focus include mitigation of expansive soils (including sulfate soils), pavement design and sustainable design through innovative geotechnical applications and foundation recommendations.

**REPRESENTATIVE PROJECT EXPERIENCE**

- **Valley Hope Treatment Center Expansion - Cushing, OK**  
Conducted a geotechnical engineering investigation in for an approximate 3,000 square foot triple story addition with a basement level. The project also included asphalt and concrete pavement recommendations.
- **SMC Surgery Center Expansion - Stillwater, OK**  
Conducted a geotechnical engineering investigation in expansive soils for an approximate 1,500 square foot single story addition. The project also included asphalt and concrete pavement recommendations.
- **New Medical Campus – Midwest City, OK\***  
Conducted geotechnical engineering investigation for an approximate 100 acre site with multiple 3 to 6 story office and medical buildings, two parking garages and associated parking and drives. This project included pressuremeter testing of the bedrock materials to provide a more cost effective drilled pier design.
- **Logan Medical Center Clinic – Guthrie, OK\***  
Conducted geotechnical engineering investigation for the construction of a single story 10,209 square foot building. The project also included asphalt and concrete pavement recommendations.
- **Dr. Hall's Office - Stillwater, OK\***  
Conducted a geotechnical engineering investigation for an approximate 5,000 square foot office building with associated parking and drives located on existing fill material.

\* Project was completed under previous employment

**EDUCATION**

Bachelor of Science, Civil Engineering,  
Oklahoma State University

Masters Courses, Geotechnical Engineering,  
Oklahoma State University

**REGISTRATION**

Oklahoma PE

Texas PE

**AFFILIATIONS**

American Society of Civil Engineers,  
Past President

ASCE Geo Institute, Oklahoma Chapter  
Secretary, Founder

American Council of Engineering Companies

Society for Marketing Professional Services

Edmond Chamber of Commerce

**WORK HISTORY**

Red Rock Consulting, LLC  
Project Engineer, 2009 - Present

Shepherd Geotechnical Engineering, Inc.  
Project Engineer, 2007 – 2009

Shepherd Engineering Design Co., Inc.  
Project Manager, 2005 – 2007

Professional Services Industries, Inc.  
Project Manager, 2003 – 2005