

# Subsurface Constructors

Ground Improvement

## Memorial East Hospital



Memorial East Hospital in Shiloh, Illinois was constructed to serve growing healthcare needs in St. Clair County in the St. Louis region. Before construction could begin, the site required extensive ground improvement, and Subsurface Constructors installed 1,345 [vibro stone columns](#), allowing the soils to support a maximum bearing pressure of 5,500 pounds per square foot. The site consists of lean clay, clayey sand and very stiff clay.

### Project details:

**Owner:** Memorial Hospital

**Geotechnical Engineer:** SCI Engineering

**General Contractor:** Holland/Pepper J.V.

**Structural Engineer:** HDR

**Services Provided:** Ground improvement, stone columns

**Year:** 2013

**Location:** Shiloh, Illinois