

# Subsurface Constructors

Deep Foundation

## Metal Coatings Company



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## Load Test Performed to Determine Capacity of Existing Augercast Piles

A St. Louis-based metal coatings company recently decided to expand their manufacturing facility in Granite City, IL. Since a new crane bay was part of the expansion, they needed to know if the existing [augercast pile](#) could carry the additional load of the new wall. Using old pile installation records, it was determined that the existing augercast piles were 18-inch diameter to a depth of 45 feet.

Subsurface Constructors was hired to install a test pile to confirm that it could handle the required [geotechnical service](#) load capacity of 160 kips. In fact, the test pile was loaded to 450 kips with about a half-inch of movement, thus verifying the load carrying capacity of the existing piles. Subsurface then completed the project by installing 62 augercast piles for support of the new building.

### Project details:

**Year:** 2022

**Location:** St. Louis, Missouri