

## PROJECT > ODOT I-270 Trench Construction

Non-Shrink Precision Grout, Non-Shrink General Purpose Grout  
Columbus, OH



### PROJECT DESCRIPTION:

The Ohio Department of Transportation (ODOT) is constructing the state's first traffic trench to accommodate two northbound express lanes on Route 23 near the Interstate 270 interchange. Designed to alleviate traffic congestion, the mile-long trench is 36 feet wide and as deep as 30 feet below ground level in some areas, so anchoring the walls and bridges is a critical part of the project. GeoBuild is using QUIKRETE® Non-Shrink Precision Grout and QUIKRETE® Non-Shrink General Purpose Grout to install thousands of soil pins and base plates to support

the one-foot thick reinforced concrete wall. This traffic trench is part of a \$80 million ODOT project.

QUIKRETE® Non-Shrink Precision Grout is a high-strength, Portland cement-based grout with a 25 minute working time, making it ideal for use in applications where multiple anchors are required. Non-Shrink Precision Grout achieves 12,500 PSI compressive strength in 28 days and a pull-out strength exceeding 35,000 PSI.

QUIKRETE® Non-Shrink General Purpose Grout is a high-strength Portland cement-based material with expansive additives designed for grouting steel columns, bearing plates, pre-cast concrete and anchoring applications. Non-Shrink General Grout achieves 9,000 PSI compressive strength in 28 days.

**CONTRACTOR:** GeoBuild

### QUIKRETE® PRODUCTS:

- 50 lb QUIKRETE® Non-Shrink Precision Grout: 4,725 bags
- 50 lb QUIKRETE® Non-Shrink General Purpose Grout: 8,442 bags

### PROJECT START DATE:

June 2014

### PROJECT COMPLETION DATE:

December 2014

*Non-Shrink Precision Grout, Non-Shrink  
General Purpose Grout >>*

