



## Glenmont Subway Station

Wheaton, MD

Schnabel Foundation Company constructed this 65-foot-deep excavation for the Glenmont Subway Station in soils that were a mixture of silty sands, decomposed rock and rock. To support the excavation, Schnabel installed over 150,000 square feet of lagging, and 1,500 tiebacks and rock bolts. The soldier beams were installed in pre-drilled holes extending in places up to 25 feet into bedrock. A combination of mini-piles, hollow-stem auger, rock, pressure-injected ties, and soil nails were used to support the lateral loads.

The busy six-lane Georgia Avenue was kept open during the entire construction project by constructing two temporary bridge decks where the tunnel crosses beneath Georgia Avenue. The ability to use each system to its maximum advantage resulted in significant cost savings to the Owner and minimized the disruption of traffic on the adjacent road which carries rush-hour traffic into and out of the Washington, DC metropolitan area.

This type of individually tailored approach is just one of the reasons to use Schnabel Foundation Company on your next excavation support project.

Owner: Washington Metropolitan Transit Authority  
 Washington, DC

General Contractor: Blake Construction Company, Washington, DC

Excavation Support Contractor: Schnabel Foundation Company, Washington, DC

<http://www.schnabel.com>

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