Underpinning of Buildings

Matt Niermann, P.E.
Schnabel Foundation Company

Abstract: Underpinning is the act of extending the foundation of an existing building to a deeper stratum. This presentation will describe several methods of underpinning. Considerations for method selection, design, construction, and safety will be presented and discussed. In addition, a relatively new method of underpinning will be introduced.

Speaker Bio: Matt is the VP of R & D for Schnabel Foundation Company in Sterling, Virginia. He received his BS and MS degrees in civil engineering from the University of Illinois at Urbana-Champaign. Matt has over 20 years of experience in the design and construction of earth retaining structures, specialized foundations, and ground improvement.