The World's Largest-Diameter Soil Tunnel
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Abstract:
This article discusses the design of the Mt. Baker Ridge Tunnel and how it has offered a unique opportunity for advancing the state-of-the-art tunnel design, construction, and contracting. It explains specific aspects of this soil tunnel such as the “stacked drift” approach. It also explains the steps forward that U.S. contracting techniques took.

Keywords: stacked drift; flexible liner; WSDOT; Vashon Stade Period of the Frasier Glaciation; Existing Tunnels; Test Adits; Tunnel Bore; Cut-and-Cover Structures; Construction Monitoring; Contract Provisions.