



TUNNELING SEMINAR on WEDNESDAY NOV 28<sup>TH</sup>  
at NOON in BB 125  
(LUNCH PROVIDED)

## **Overview of Design and Construction of Large Tunnels**

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The increased cost of constructing and maintaining above-ground infrastructure and importance of environmental sustainability for transportation and water conveyance projects has led to increased consideration of underground tunnels by Owners and Engineers to facilitate these projects. This presentation will serve as an overview of the design and construction considerations for large tunnel structures.



Mr. Todd Kilduff earned his Bachelor's Degree from the Ohio State University in 1996 and Master's Degree from the Virginia Polytechnic Institute in 2000 focusing on Geotechnical Engineering. He worked as a Geotechnical Consultant on several major civil underground projects in the New York City Metropolitan Area for the firm of Mueser Rutledge before going to work as a Project Manager for the General Contractor EE Cruz, a firm that specializes in the construction of major civil underground construction projects. He has developed expertise in the

design and construction of underground utilities and transportation projects utilizing various cut and cover and trenchless technology applications. He currently is employed for the design firm of Brierley Associates in Denver, a firm that specializes in the design of large and small diameter tunnels in rock and soft ground. He has provided geotechnical expertise on several significant projects such as the Second Avenue Subway, 7-Line Extension, East Side Access and the Harlem River Tunnel in New York; Laguna Beach Interceptor and Caldecott 4th Bore in California.