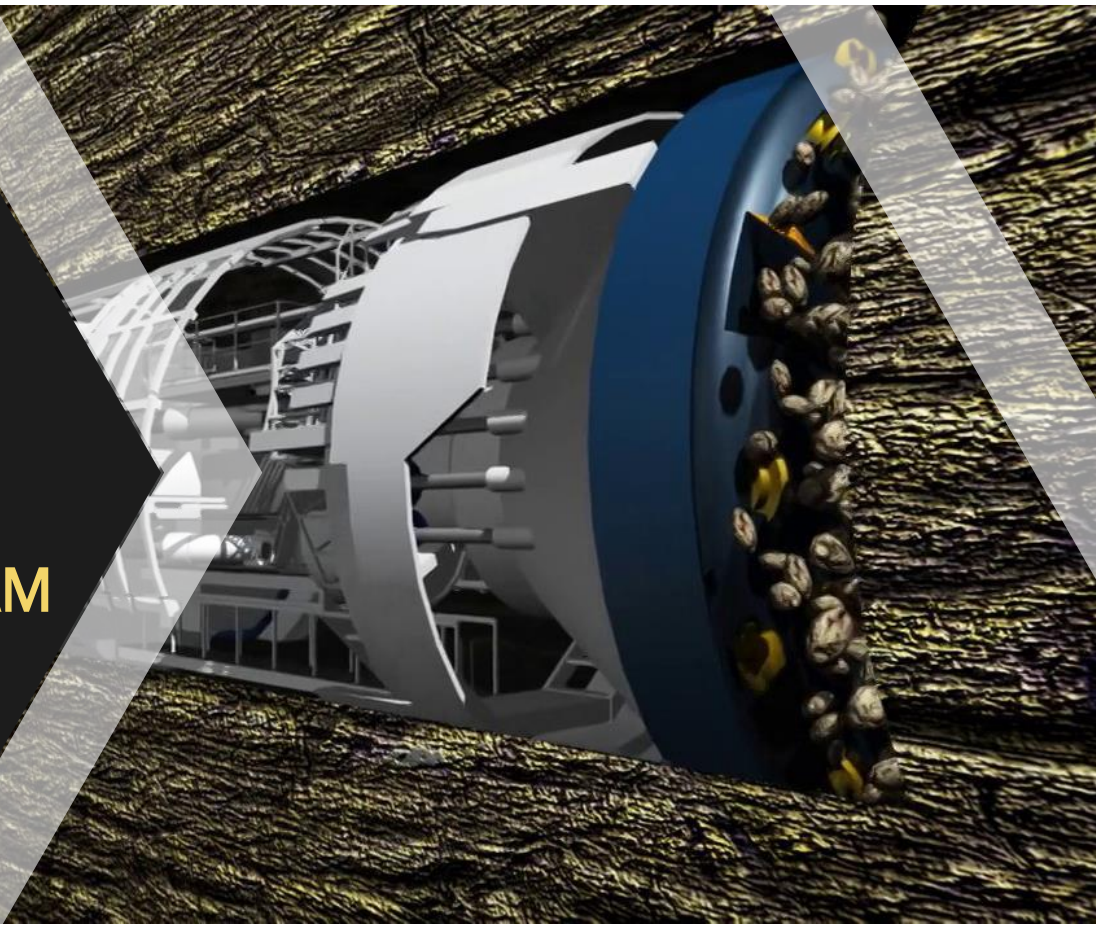




Farid Sariosseiri

3 APR | 11:30 AM
EB 510



GEOTECHNICAL DESIGN CONSIDERATION AND CONSTRUCTION OF DEEP SHAFTS – CASE STUDY

Abstract

Deep access shafts are typically constructed for launching and receiving Tunnel Boring Machines (TBMs). In most projects, subsurface conditions including geological settings and groundwater conditions dictate the shaft types and construction methods. This presentation provides a case history of the Brightwater conveyance system tunnel shafts that were constructed in various subsurface conditions ranging from alluvium to glacially over-consolidated deposits. The presentation provides an overview of subsurface conditions at each shaft location followed by design considerations and construction techniques utilized.

Biography

Farid Sariosseiri is a Lead Associate geotechnical engineer in the Portland office of Delve Underground. He has 25 years of geotechnical engineering experience involving a wide variety of projects from preliminary design phase through construction and closeout. His project experience includes site characterization, deep excavations, design and construction of pipelines, axially and laterally loaded deep foundations, retaining structures, seepage and slope stability, and landslide rehabilitation. Farid is currently the project manager for several large diameter pipelines.