

CEE 595F – Geotechnical Engineering Seminar

Friday, October 4, 2019 | 11:00 AM, Newmark Lab 3310



Geotechnical Challenges of Re-routing a River in a Contaminated Urban Environment

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Abstract: The Port Lands Flood Protection project is a \$1.2 Billion flood protection project that involves re-routing the mouth of a river on the Toronto waterfront. To facilitate this construction, Geosyntec was tasked with the design of environmental protections, dewatering, and excavation support, including a $\frac{3}{4}$ -mile long, 130-foot-deep secant pile wall. Jim Hansen will present the design process and early construction challenges for this unique, high-profile project.



Speaker Bio: Jim Hansen, P.E. (UIUC B.S. 2007, M.S. 2008) is a Project Engineer in Geosyntec's Oak Brook, Illinois office. Jim has over 10 years of experience in geotechnical engineering pertaining to the investigation, analysis, and design of infrastructure and development projects. He has worked on projects involving static and seismic slope instability, deep and shallow foundation design, deep excavations, temporary dewatering, retaining walls, and seismic hazards for numerous buildings, bridges, highways, levees, slopes, and embankments.