

Douglas Madsen, P.Eng. CEng FICE

Vancouver Tunnels Group Leader

Hatch

Douglas Madsen has 34 years' international civil/geotechnical engineering experience in Canada, Hong Kong and Europe implementing tunnels and transportation infrastructure. He was Chief Civil Engineer for Metrolinx on Toronto's LRT program; and is currently the Vancouver Tunnels Group Leader for Hatch. His experience includes the £485M Birmingham Relief Motorway, Dublin Metro North, Hong Kong MTR Tunnels, Bosphorus Railway in Turkey, \$1.2B Finch West LRT and \$5.3B Eglinton Crosstown LRT projects, involving multi-disciplinary design management, value engineering and utility SUE.

He has extensive experience implementing large transportation projects and underground infrastructure in urban areas and working with clients such as Metro Vancouver, Metrolinx, Toronto Transit Commission, Network Rail and Highways Agency UK, London Underground and Hong Kong Government through his project delivery roles. Douglas co-authored the LRT Design Criteria Manual for Metrolinx.