



EDMONTON SECTION

Canadian Society for Civil Engineering

CSCE DINNER MEETING

Thursday February 21, 2008

A joint meeting with the North American Society for Trenchless Technology (NASTT) Northwest Chapter

“Seymour Capilano Twin Tunnels Project”

Presented by:

Don Phelps, P. Eng, M. Eng., Vice President and Tunnels Deputy Practice Manager, Hatch Mott MacDonald

Abstract

The Greater Vancouver Water District is implementing the Seymour Capilano Filtration Project as part of the Drinking Water Treatment Program to improve the availability and quality of drinking water to its customers. The key element of the project is the construction of the Seymour-Capilano Twin Tunnels. The project involves the construction of a Seymour Shaft approximately 180m deep and 12.0 m in diameter at the eastern limit of the project. From the Seymour Shaft, the twin tunnels run approximately 7.2km in length, mined using two 3.5m diameter tunnel boring machine, towards the two Capilano shafts approximately 275m deep and 3.5m in diameter at the western limit of the project.

Don Phelps, the Vice President and Tunnels Deputy Practice Manager for the Western Canada and Northwest USA division of Hatch Mott MacDonald will be sharing his insight based on his vast experience, and in particular the Seymour Capilano Twin Tunnels project. His presentation will focus on the involvement of Hatch Mott MacDonald during planning, detailed designs, construction management and resident engineering inspection of the project.

DINNER MEETING DETAILS

DATE: *Thursday, February 21, 2008*
LOCATION: *University of Alberta Faculty Club*

Cocktails & Registration - 5:30
Dinner - 6:30
Presentation - 7:30
Closing Remarks - 8:30

Student Members - \$10.00
Student Non-members- \$15.00
CSCE and NASTT Members - \$20.00
Non-members - \$30.00

Please assist us in forecasting attendance via our voice mail at 405-4757 or e-mail at info@csceedmonton.org at least two days prior to the meeting.



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Don Phelps, P. Eng.

Mr. Phelps is a Vice President and Hatch Mott MacDonald's Deputy Practice Manager - Tunnels for NW US and Western Canada. He has 35 years of experience in design and construction of heavy civil and underground space projects with features such as shafts, tunnels, underground rail stations and complex portal structures. His experience includes cut-and-cover; hard rock, slurry and Earth Pressure Balance Tunnel Boring Machines (EPB-TBM); New Austrian Tunneling Method / Sequential Excavation Method (NATM / SEM); and drill and blast excavation methods in a wide range of ground conditions. As a Senior Project Manager, Don is highly respected for his skills in managing complex geologic and environmental issues and excels in the management of multidisciplinary teams and at integrating and coordinating the diverse disciplines and internal and external staff that are inherent to large heavy civil design projects. Don uses risk management, internal and external review boards, and value engineering extensively during the design process to deliver quality projects on time and within budget.