



愛城華人工程師學會

EDMONTON CHINESE ENGINEERS SOCIETY

c/o ASSIST Community Services Centre,

9653 – 105A Avenue,

Edmonton, AB T5H 0M3

Web site: www.eces.cc

FEBRUARY 2010 TECHNICAL DINNER MEETING

When: February 08, 2010
6:00 PM (Networking)
6:30 PM (Dinner)

Where: 2nd Floor, 9431 Jasper Ave., Edmonton AB
Mirama Restaurant

Topic: **“The University of Alberta Deep Sewer Hand Tunnel Construction”**

A deep sewer system was constructed in 2007-2008 to service future development in the Aberhart Hospital area in Edmonton. The project owned by University of Alberta was designed by Stantec Consulting Ltd. and constructed by Design & Construction section of Drainage Services, City of Edmonton. The project involved: excavation of a 138m long Hand Tunnel (approximately 14m deep), installation of 1.5m of combined sewer (storm and sanitary) into the tunnel and construction of a drop structure at the upstream end. Hand tunneling was determined as the best option for this project given the nature of the flowing sand in the area. The connection to an existing 2.1m deep combined sewer at 114 Street and 83 Avenue intersection was performed underground, without disrupting traffic, with no temporary shaft at this location.

The Drainage Design and Constriction, City of Edmonton has over 50 years of expertise in tunneling, well established tunnel excavation methodology and experienced crew.

Speakers: **Binod Rajbhandari, Ph.D., P.Eng.,**
Senior Engineer, Design & Construction, Drainage Services,
City of Edmonton

Cost: **\$20 (member)** / **\$15 (student member)**
\$25 (non-member) / **\$20 (student non-member)**
– Prices include GST & gratuities

Includes technical presentation and Chinese dinner

Contact: Please register with **Michael Kan, P.Eng.** at
<mailto:technology@eces.cc>
