

CALGARY



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2009/2010 PROGRAM

September 17, 2009 Site Tour

Sponsored by Mathews Development and
Ledcor Construction

Encana Tower - "The Bow"

by Adrian Todeila, P.Eng.

Abstract:

The Bow contains many unique features: first curved diagrid system in North America; use of composite pipe columns; use of a hybrid lateral system (braced tube with coupling frames); largest monolithic pour for a commercial building raft foundation; and the use of top-down construction techniques, just to enumerate a few.

The presentation will describe the various steps in the life of the project, starting with the goal setting process, the conceptual design, the evolution of the structural system and the associated challenges which the engineers had to overcome to allow the concept to become reality.

The uniqueness of some of the details and the solutions chosen to construct them will be presented, to illustrate the complexity of the project not only from a design point of view but also from a constructability perspective. Once completed, the Bow will become the largest commercial office development in western Canada.

About the Speaker:

Adrian is a structural engineer who holds the position of associate with the firm HalcrowYolles, which he joined in 2000. Adrian's experience as a teacher and practitioner encompasses structural design, project management, construction and contract management. He has provided leadership on a variety of projects and has successfully completed over 80 construction projects covering all sectors of activity.

NOTE: Attendees must provide their own Personal Protection Equipment (hardtoe boots, hardhat, vest, safety glasses). ONLY PERSONS WITH PPE WILL BE ALLOWED ON THE TOUR

Meeting Spot:

The Regis Hotel - 124 7th Avenue SE (across from the Center Street LRT station, east of the Legion building)

Site Tour Schedule

5:00 PM – Registration (Free)
5:30 PM – Pizza & Pop, Presentation
6:30 PM – Site Tour
8:30 PM – Closing Remarks

Other Upcoming Events:

Thursday October 15, 2009

East Village Development
by Chris Ollenberger, P.Eng., Calgary Municipal
Land Corporation
Partner: UDI

Thursday November 19, 2009

Fish Creek Park Flood Restoration – A Suitable
Application of Stress Ribbon Bridges
by Gerd Birkle, P.Eng., Stantec Consulting Ltd.
Partner: ACI

Also: Annual Student Popsicle Stick Bridge
Competition & AGM of CSCE Calgary Section

Thursday January 21, 2010

Wind Energy – An Industry Update
by Peter Bubik, P.Eng., PB Power Inc.
Partner: CGBC

Thursday February 18, 2010

Solar Decathlon
by David Silburn, SAIT Polytechnic
Partner: AAA

Also: Annual Graduate Student Poster Contest

Thursday March 18, 2010

Construction Shoring
by Douglas Pelly, P.Eng., Golder Associates Ltd
Partner: CGS

Thursday April 15, 2010

Hydrotechnical Engineering
by Willem Veldman, P.Eng., Matrix Solutions Inc
Partner: CEA

Please register your attendance
online at

www.cscecalgary.ca
at least one day prior to event.

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