



CANADIAN
DESIGN-BUILD
INSTITUTE

National Design-Build

CONFERENCE 09

Fundamentals of Design-Build

SEPTEMBER 16, 2009

A full-day interactive tutorial which is part of CDBI's continuing professional development program. An in-depth introduction to design-build that is a must for practitioners, owners, decision-makers and those wanting greater knowledge of this growing project delivery practice.

SEPTEMBER 17 & 18, 2009

Perfect Partnerships to Weather the Storm

As a result of current economic uncertainty, owners of construction projects are looking for "best value" solutions to meet their needs. Adversity can induce creativity, and creativity can be stronger in a team environment. Design-Build provides a perfect vehicle for owners, designers, and contractors to partner together as a team to develop resourceful, and efficient methods of achieving excellent large, medium, and small projects.

Join us in Chicago for two days of information packed sessions exploring innovative solutions that are vital in addressing today's construction issues.

Learn all this and more at one comprehensive conference with an invaluable innovative focus. Come hear from some of Canada and USA's leading Design-Build practitioners!

CHICAGO



Fundamentals of Design-Build

WEDNESDAY, SEPTEMBER 16, 2009

- 8:00 AM Registration Open**
Continental Breakfast
- 8:30 AM Opening Remarks and Introduction**
- 8:45 AM SESSION 1**
– **Overview of Alternatives:**
Comparative Overview;
Design-Build Variants and Supplements.
- 9:40 AM SESSION 2**
– **Procurement and Award:**
Owner's Statement of Requirements;
Evaluating and Administrating Proposals; Award Process.
- 11:25 AM SESSION 3**
– **Teaming Strategies:**
Role Definition; Team Definition;
Team Selection; Financial Structure;
Administrative Structure; Corporate Structure.
- 12:15 PM Networking Lunch**
- 1:15 PM SESSION 4**
– **In-Depth Analysis of Contractual Risks:**
Review of common contract conditions; Risk Analysis; Design Performance, physical, financial and time risks; Other legal considerations.
- 2:30 PM SESSION 5**
– **RFQs and RFPs:**
Analyzing RFQ's; Responding to RFQ's; Responding to RFP's;
Interpreting Owner's Statement of Requirements; Developing Proposal Designs.
- 3:30 PM Round Table Discussion: Critical Issues for Successful Delivery of Design-Build Projects:**
Paradigm shifts from traditional methods; Quality Management; Bridging Consultants; Errors and Omissions insurance; Proposal fees; Copyright; Draw-Build, Other concerns ...
- 4:00 PM Wrap-up and Concluding Remarks**

Perfect Partnerships to Weather the Storm

DAY 1

THURSDAY, SEPTEMBER 17, 2009

- 8:00 AM Registration and Continental Breakfast**
- 9:00 AM Opening Remarks and Introductions**
John Neilson, Canadian Design-Build Institute (CDBI) Chair, & Roy Timms, Conference Chair
- 9:15 AM SESSION 1 – Key Note Address – Michael Walsh, Kaizen Consulting**
TAPPING THE POWER OF TEAMS
In design-build projects, teamwork plays an essential part in the success of any significant project. In this presentation, we will identify the elements of strong teams, and how to build your team in order to maximize effectiveness, harmony and profit for all involved.

Michael Walsh, founder and president of Kaizen Consulting, has been helping small business owners achieve profit growth and excellence in their fields since 1995. Michael's core belief is that businesses must be designed to achieve their owners' personal goals. With an advanced understanding of business models and structures, he takes the guesswork out of building a high-functioning company. His expertise stretches across business disciplines.
- 10:15 AM SESSION 2 – Betsy Downs & James Dyer**
EARLY COST ESTIMATES: BENEFITS OF COMMUNICATION AND COLLABORATION
Participants will learn how architects, engineers and builders must collaborate before the building is designed. The design team uses its knowledge of the client's program and project goals, code and zoning requirements, phasing requirements, temporary provisions, site issues and building systems to communicate building issues that affect construction costs. The builder uses its knowledge of construction means, its cost database and cost trends to assign realistic costs to the components of the intended design. This dialogue in pre-design phases not only assists in producing accurate estimates of cost, but also informs the design team of the cost impact of their decisions.
- 11:30 AM SESSION 3 – Nolan Heuchert & Stephen Panciuk**
EXPLORING RISK AND INSURANCE ISSUES ASSOCIATED WITH BUILDING INFORMATION MODELING (BIM) AND INTEGRATED PROJECT DELIVERY (IPD)
A review of the use of BIM and IPD activity within the design and construction sector and the potential risks which firms need to be aware of for their businesses. An overview of the insurance implications and potential risk mitigation measures will be reviewed.
- 12:30 PM SESSION 4 – Luncheon Presentation – Tom Goldsborough**
TEAM FOR A MEGA PROJECT; MANITOBA HYDRO HEAD OFFICE
From the very outset the discussion at the MH executive level included investigating how to constitute an effective team and remain in a position to have continuous input in the development process. The decision making process for both the approach and the programming and construction process was clearly developed with the participation of all team members.

The building, a model of energy efficiency, uses passive techniques and integrates many environmental systems to beat the Model National Energy Code by 60%. The full design team, including the managing contractor met regularly from day one to deal with all issues. Effort was put into this collaboration and methods used will be described. The extreme Winnipeg climate presented some additional challenges. Design ideas such as the concrete mass of the building acting as a temperature stabilizer, the atria as super large plenums and "lings", and the 100% fresh air supply through raised floors are a few examples. Have you heard of a solar chimney? The project review will describe this modern application of a well know ancient principle.
- 2:00 PM SESSION 5 – Michael Clifford & Dean Mullett**
MANAGING IN A DOWNTURN
Today's business environment has changed, likely forever. We will share with you our insights, ideas and solutions from a business, financial and tax perspective based upon the experiences of over 4,000 PricewaterhouseCoopers professionals worldwide who focus on the engineering and construction industry. We can help you because we understand this industry and the businesses and people who make a living from it.

Perfect Partnerships to Weather the Storm

DAY 1 CONTINUED

THURSDAY, SEPTEMBER 17, 2009

3:00 PM SESSION 6 – Gary Bale & Santino Pirillo

156TH STREET / HIGHWAY 1 UNDERPASS DESIGN-BUILD PROJECT

The presentation provides a detailed summary of the \$16.5M 156th Street/Highway 1 Underpass Project, located within the City of Surrey. The project consists of two 4 lane bridges on Highway 1 (TCH) and a 4 lane underpass crossing beneath the Highway, involving complex detour and construction staging, design and construction of urban arterial roads and extensive utility coordination and relocation.

4:00 pm – 6:00 pm CDBI Networking Reception

Come relax and indulge in delicious refreshments while mingling with your fellow delegates & speakers. Bring your business cards!

DAY 2

FRIDAY, SEPTEMBER 18, 2009

8:30 AM Registration and Continental Breakfast

9:00 AM CDBI Annual General Meeting (all delegates welcome)

9:30 AM SESSION 7 – John Davies

A CASE FOR DISPUTE BOARDS

One of the biggest impediments to the successful use of a dispute resolution mechanism is the dogged adherence by Owners to insist on the employment of their own consultants to solve ongoing disputes during construction while at the same time expecting these same consultants to be their advocate when the contractor/design-builder submits a claim.

Dispute boards offer alternatives that allow the consultants to remain engaged during construction but not involved in the process of claims resolution. In other words, the consultants are utilized for their special (and licensed) skills to steer the project to a technically sound completion without the need to become embroiled in the dispute resolution process.

10:15 AM SESSION 8 – Martin Sell

DESIGN-BUILD FOR K-12 SCHOOLS

Martin Sell, AIA, NCARB has successfully developed Architect Led Design-Build projects throughout the United States. He is the past chair of the AIA's Design-Build Knowledge Committee and authored the introductory chapter of "The Architect's Guide to Design-Build Services", published jointly by AIA and John Wiley. Marty's presentation will focus on his Architect Led Design-Build experience on more than \$500,000,000 of K-12 projects, ranging in project size from \$500,000 to \$40,000,000, all completed in the upper Midwest.

11:30 AM SESSION 9 – Gerald W. Russ

CONTRACTING IN THE NEW ECONOMY

Over the past number of years, Governments of every level, domestically and internationally, have focused on the dire straits of their current Infrastructure. This focus has been on Bridges that have collapsed, Water Treatment plants that did not function, or the lack of quality Healthcare facilities to treat their citizens. The deficit for Infrastructure in Canada alone stands at a number north of \$200 Billion. At the same time, the shortfall in the USA is estimated to be over \$1.5 Trillion.

Design-Build, as a Construction Model, is the only contracting model universally accepted for this type of work. History has shown that not one stakeholder has ever deviated from this procurement model. That being said, practitioners of Design-Build are looking at potentially the largest Construction opportunity in history. The question is simple, are the Design-Builders prepared and ready to take on this opportunity or are they not going to be able to respond.

12:30 PM Design-Build Luncheon – The CDBI Design-Build Award of Excellence

Presentation of the CDBI awards, recognizing excellence in Canada's design-build industry.

1:30 PM Wrap-up and Concluding Remarks

John Neilson, CDBI Chair, & Roy Timms, Conference Chair

PLEASE NOTE:

Final tutorial, conference program and speakers faculty subject to change.



CDBI Organized Tour

FRIDAY, SEPTEMBER 18

4:00 – 5:30 PM

Architectural Boat Cruise

(Boat departs at 4PM a short distance from the Hotel)

Join us on an exciting journey as we tour the Chicago River and view the impressive landmarks of modern American architecture. This memorable 90-minute architectural cruise features exciting views and descriptions of Chicago's most famous architecture, landmarks and history and is one of your best choices for experiencing Chicago!

CDBI has arranged a **group discount of \$27 US.**

CDBI reserves the right to cancel this activity if not enough participants.

For more information on the cruise please visit

www.chicagoline.com

2009 Speakers Faculty

includes:

Doug Aris
EllisDon Design-Build Inc.
Mississauga, ON

Gary Bale
BA Blacktop
Vancouver, BC

Michael Clifford
PricewaterhouseCoopers LLP
Toronto, ON

John Davies
JGD Resolutions
Ottawa, ON

Betsy Downs
OWP/P
Chicago, IL

James Dyer
Berglund Construction
Chicago, IL

Tom Goldsborough
Manitoba Hydro
Winnipeg, MB

Nolan Heuchert
Wylie-Crump Limited
Vancouver, BC

Neil McFarlane
McFarlane Construction
Edmonton, AB

Dean Mullett
PricewaterhouseCoopers LLP
Toronto, ON

John Neilson
CEI Architecture Planning Interiors
Victoria, BC

Steve Panciuk
Encon Group Inc.
Ottawa, ON

Santino Pirillo
McElhanney Engineering Services Ltd.
Vancouver, BC

Gerald Russ
Aon Reed Stenhouse Inc.
Toronto, ON

Martin Sell
MSA Integrated Project Delivery
Beaver Dam, WI

Michael Walsh
Kaizen Consulting
Vancouver, BC



The Tutorial & Conference will be recognized by the Gold Seal Program. The one day Tutorial (1 credit) and the 2 day Conference (2 credits) counting for a total of 3 credits toward one of the special industry course requirements under the certification program.

For more information:
www.goldsealcertification.com

VALUABLE REFERENCES

Each delegate will receive material valued at over \$300 including:

- Conference reference manual and/or Tutorial Booklet an excellent reference source after the conference.
- CDBI Practice Manual Series:
 - 100 "Introduction & General",
 - 200 "Procurement & Award",
 - 210 "RFP Guide",
 - 300 "Responding to RFQs and RFPs", and
 - 310 "Conceptual Estimating".
- Document 14-2000 "Design-Build Stipulated Price Contract" and Document 15-2000 "Design-Builder/Consultant Contract".

The **CDBI Awards of Excellence** are presented annually to recognize excellence in Canada's design-build industry and to acknowledge design-build teams whose projects contribute to the growth and stature of the design-build profession. Award recipients demonstrate the highest standards and principles in the design-build industry and the business community in pursuit of excellence.



HOTEL

The Hyatt Regency Chicago Hotel is the official hotel for this CDBI conference. Connected to the 83 acre indoor Illinois Center complex, this Four Diamond downtown hotel is ideally situated within the Magnificent Mile. Immerse yourself in our "city within a city," as this downtown hotel links you to Blues, Jazz, irresistible cuisine, Grant and Millennium Parks, Lake Michigan beaches, Navy Pier and Michigan Avenue.

A limited number of rooms have been reserved on a first come first served basis for CDBI delegates at a special guaranteed rate of **\$239US** when booked on or **before August 18th, 2009**. Please contact the hotel directly and mention 'CDBI Conference' to receive this special rate.

Hyatt Regency Chicago Hotel

151 East Wacker Drive
Chicago, Illinois 60601 USA

Telephone: (312) 565-1234
or 1-800-233-1234

www.chicagoregency.hyatt.com

All conference/tutorial events take place at the hotel.

Airports: Eighteen miles to O'Hare and twelve miles to the Midway airport.



CDBI NATIONAL DESIGN-BUILD CONFERENCE

SEPTEMBER 16-18, 2009

REGISTRATION FORM

Send in your form by mail, fax or register online at www.cdbi.org/register

Delegate Information *(please print)*

Name: _____ Title: _____

Company: _____

Address: _____ City: _____ Prov. _____ Postal Code: _____

Business Phone: () _____ Fax: () _____ E-mail: _____

Are you a member of CDBI? Yes No Is this your first CDBI Conference? Yes No

Do you have any food allergies or special dietary requirements? Please specify: _____

Registration Fees *(please check one only)*

	Before August 18/09	After August 18/09
CDBI Member	Tutorial only \$360 US <input type="checkbox"/>	\$440 US <input type="checkbox"/>
	Conference only \$740 US <input type="checkbox"/>	\$820 US <input type="checkbox"/>
	Tutorial & Conference \$980 US <input type="checkbox"/>	\$1040 US <input type="checkbox"/>
Non-Member	Tutorial only \$500 US <input type="checkbox"/>	\$580 US <input type="checkbox"/>
	Conference only \$940 US <input type="checkbox"/>	\$1020 US <input type="checkbox"/>
	Tutorial & Conference \$1180 US <input type="checkbox"/>	\$1250 US <input type="checkbox"/>

Registration Fee: \$

CDBI Organized Tour: Architectural Boat Cruise

of Boat Cruise ticket(s) _____ X \$27 US: \$

TOTAL CONFERENCE FEE: \$

CHECK ONE OF THE METHODS OF PAYMENT. Payment must be received prior to the conference. Payable in US funds.

Cheque payable to the Canadian Construction Association

MasterCard VISA Credit Card No. _____ Exp. Date: _____ / _____

Cardholder Name: _____ Signature: _____



A Special Committee
of the Canadian
Construction Association



MAIL or FAX your registration
and payment to:

Canadian Construction Association
75 Albert Street, Suite 400
Ottawa, Ontario K1P 5E7
Fax: (613) 236-9526



For further INFORMATION contact:

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www.cdbi.org



CANCELLATIONS: Refunds, less a \$75 administration fee, will be granted for cancellations received before August 18, 2009. No refunds will be provided after this date. CDBI accepts no responsibility for any other costs incurred. No credit or refund will be provided to registrants regarded as "no shows".