



## YPG Quarterly Newsletter

### (Project Delivery Models and Consultants' Role) Summer 2015

Although we know that every engineering project has a defined start and finish line, the roadmap from project inception to project completion typically varies depending on the project delivery model used. Some of these different delivery models are design-bid-build, design-build, and integrated project delivery.

Traditionally projects have been delivered using a design-bid-build model, where the Owner hires a consulting firm to design the project and then contracts a construction team through the tender process to build the completed design. Generally, the consulting team is retained by the Owner to administer the construction contract and be the Owner's representative on site. On the other hand, the design-build model allows the Owner to contract with only one entity that is then responsible for both design and construction of the project. With this model, the contractor assumes the prime role in coordinating with the Owner and ensures coherence between construction methods and design.



Recently the need to efficiently deliver projects has seen the rise of the integrated project delivery (IPD) model. The American Institute of Architects defines IPD as *"a project delivery approach that integrates people, systems, business structures and practices into a process that collaboratively harnesses the talents and insights of all participants to optimize project results, increase value to the owner, reduce waste, and maximize efficiency through all phases of design, fabrication, and construction."* IPD is a value-based approach where team success is tied to project success. See the following link for more information on IPD: [http://info.aia.org/siteobjects/files/ipd\\_guide\\_2007.pdf](http://info.aia.org/siteobjects/files/ipd_guide_2007.pdf).

In looking at these different project delivery models, it is important to understand that not one is suitable for all situations and that each has its advantages and limitations. We must also understand that it is us as members of the consulting engineering industry who play a crucial role in the success of project delivery, regardless of the model used.

This newsletter aims to explain design-bid-build and design-build project delivery models, and the consultants' role within each model. As well, the newsletter discusses engineering duty of care to third parties extending beyond contractual agreements.

We hope you enjoy this newsletter. Please feel free to get in contact with us for more information or to get involved! You can find us on Facebook, Twitter, or through email at [info@acec-bc.ca](mailto:info@acec-bc.ca).

*Tijana Smiljanic, ACEC-BC YPG Past Provincial Chair*

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## **The Design-Bid-Build Method of Project Delivery**

**Neil A. Cumming, FACI, P.Eng., Levelton Consultants Ltd.**

Historically, most engineering projects have been delivered through a contracting model in which the Owner contracts with a design team to prepare a design, and once the design is complete, then contracts with a construction team to build what has been designed. This has come to be known as the Design-Bid-Build method of project delivery. In more recent times, the delivery model has been modified to assign both design and construction responsibilities to a single entity (Design-Build), and in some cases to include project financing and operations and maintenance (DBFO, or in some cases Public-Private Partnership). Each project delivery model has its advantages and limitations, and none is suitable for all situations. Indeed, the appeal to some public sector agencies of the DB and P3 models has resulted in their use in some inappropriate situations.

In the D-B-B model, the Owner enters into a contract with a prime consultant, whose role is to lead the design team in the preparation of a design that meets the Owner's expectations and can be successfully implemented. The design team typically consists of an architect or a lead engineering consultant, supported by subconsultants for the specialty disciplines. These commonly include geotechnical, electrical, mechanical, structural, environmental, and others as needed. The subconsultants can be engaged directly by the prime consultant, or individually by the Owner and assigned to work under the direction of the prime consultant. The contracting approach is important; if the subs are engaged by the prime consultant, the prime assumes contractual liability for their performance and their work, whereas if engaged by the Owner, contractual liability for the subs' work is assumed by the Owner. For this reason, many prime consultants prefer to work with subs who are engaged directly by the Owner.

The primary advantage of the D-B-B model is that the Owner has a high degree of control over the selection of the design team, and can provide direction to the design team as the design develops. The designers and the Owner can collaborate to reach a final design that meets the Owner's requirements for functionality, aesthetics, budget and schedule. When the Owner is ultimately satisfied with the design, it can be issued for tender and construction. This is in contrast with the DB and P3 models, where the Owner must stipulate their expectations and requirement regarding design features at an early stage of the project, but has much less control over the substance and form of the design.

During the construction phase of a D-B-B project the Owner has separate contracts with the design team and the construction team. With no direct contractual link between the Consultants and the Builders, success requires a high degree of communication between the various players. The Consultant's role in this scenario can be complex and demanding, both technically and legally. In most design and construction contracts the roles of the various parties are described in detail. Consultants are commonly working under an ACEC 31 *Agreement Between Client and Engineer*, which describes the role and responsibilities of the consultants. These typically include preparation of a design that accords with the Owner's requirements, the applicable building codes and design standards, and industry standards. The Consultant will often assume authority and responsibility for contract administration, review and acceptance of the work, approving payment certificates, and certification of substantial and final completion. The consultant is often the initial interpreter of the contract and specifications in the case of a dispute. Most construction contracts, notably the CCDC series, will also stipulate the roles and responsibilities of the Consultant, and are designed to be compatible with the ACEC series. If other forms of contract are used, a high degree of care and review is required to ensure that the roles and responsibilities of all parties are properly defined, and that the various contracts are compatible with each other.

The traditional D-B-B method of project delivery is preferred when the Owner wishes to retain a high degree of control over the selection of the design team, the design they produce and the project scope. The Owner then has the opportunity to work collaboratively with the design team to achieve their design objectives. In this scenario, however, the opportunity for the design and construction teams to collaborate to optimize the design in terms of cost and schedule is diminished.

## **The Consultant and Delivery through Partnership**

*David Collings, Collings Johnston Inc.*

Simply put, a packaged delivery model is one where a company coordinates multiple disciplines of a construction project. This can add the responsibility of design to that of construction (a design-build or DB). It can further add long-term operation or maintenance of the asset (design-build-operate-maintain or DBOM). If adding financing responsibilities to the mix, it morphs into public-private partnership (P3 or DBFOM). These terms are commonly used in the infrastructure industry here in western Canada.

However, it quickly gets confusing when you move industries or countries. For instance, engineer-procure-construct (EPC) is similar to a DB, but used more commonly in the resource and energy industry. A private finance initiative (PFI) is the UK's term for a P3.

But enough of boring terminology. Of greater interest is the dynamic these delivery models create between organizations and how they adapt to the move away from traditional design-bid-build contracting. The owner cedes much of its former project responsibilities to a private partner. The contractor is elevated from a pure "doer" role (building stuff) to coordinating the engineer and driving innovation between construction methods and design. The concessionaire provides the overall leadership, financing and input into long term life-cycle costing.

The most profound role change is to the engineer. Research in BC has found that consulting engineers participating in P3s and DBs need to alter business practices to keep up. Engineers will need to adopt less hierarchical and more decentralized organizations. This makes sense because of a fundamentally changed role. Their client shifts from an owner to a contractor; they operate in a more dynamic "fast-tracked" environment with a higher degree of complexity (more relationships between diverse and often international partners).

To illustrate this, picture yourself as an engineer embarking on a new P3 assignment. Your team is awarded the job and immediately backhoes start pushing dirt around. You are expected to produce construction drawings at light-speed and at the same time innovate and dream up new ground-breaking ideas. Wouldn't it be nice to speak directly with the project manager and other engineers, and avoid all the usual bureaucracy? How else would you know that your new idea is going to work for everyone else on the project? Imagine waiting for head office approval of a new idea while a construction crew is waiting for your drawing?

Perhaps the most exciting change for consulting engineers is the abundance of new opportunities within the DB/P3 project. These complex projects need all parties to understand the technical challenges, while many may lack the expertise to do so. Hence owners, contractors, concessionaires, banks and lenders all hire engineers within their team. As the industry evolves and dabbles with progressive new ways of getting things built, consulting engineers will be relied on to address the problems of the entire industry, not just produce designs.

## **Shifting Risks through Contract: A Reminder for Consulting Engineers**

**Matthew G. Swanson & Bill M. Woodhead, Borden Ladner Gervais LLP**

Engineers, like other professionals, are responsible for performing their duties in accordance with their contractual agreements. However, engineers may also have a duty of care to various third parties not under contract. When a breach of this duty of care causes injury or loss to a third party, the party suffering such injury or loss may have a claim of negligence against an engineer. While unable to completely eliminate the risks of negligence claims, engineers may be able to reduce their liability through their professional service contracts.

Engineers have been found to have a duty to warn of impending damage to persons and property to ensure that their designs do not create hazards to members of the public. In a case heard in the British Columbia courts, an architect hired a structural engineer to review a soil structure of two test pits. Upon his review, the engineer notified the architect that further deep soils test were required. The architect rejected this recommendation and the completed building incurred damage from substantial and uneven settlement. The engineer in question was found to be negligent as he failed to notify the owner of the risk involved in proceeding without the deep soils test. The British Columbia Court of Appeal found that this duty was independent of the engineer's contract with the architect.

Engineers have been also found to owe a duty of care to contractors where errors in design cause losses. The Supreme Court of Canada explained this duty by stating that typical bidding periods are too short to expect the bidding contractors to conduct a thorough review of the specified design and duplication of such review work by each bidder would be cost-prohibitive. However, the court also stated the engineering firms can limit their common law duty to contractors by including an adequate disclaimer of responsibility in the contract.

Although engineers cannot completely eradicate the risk of every negligence claim, they can attempt to reduce their exposure within their contracts. Limitation of liability clauses are used to set a maximum liability for an engineer to their client for any claim including breach of contract or negligence. It is advisable to attempt to cap liability to the amount of professional insurance available. Engineers also often include in their contracts a clause which limits any damages suffered to direct damages and excludes consequential damages such as loss of profit and loss of use. Engineers may also wish to seek an indemnity from their client for any claims suffered related to items specifically excluded from the contractual scope of work.

These cases noted above show that engineers must take care in defining their services. When risks become apparent, they may have a duty to warn third parties. To the extent possible, engineers should attempt to disclaim responsibility and reduce liability to the extent possible within their contracts.

*This article is provided for general information only and may not be relied upon as legal advice.*

Matthew G. Swanson is a partner at Borden Ladner Gervais LLP (BLG). Matthew practices in the area of commercial litigation with a particular emphasis on contract and construction disputes.

Bill M. Woodhead is an associate lawyer at BLG. Bill practices as a solicitor in the areas of corporate commercial law and construction law.

## **Professional Development Committee**

**Mark Byram, P.Eng., Chair Professional Development Committee**

The Professional Development Committee exists to promote the ongoing professional development of staff of ACEC-BC member firms. The function of the Committee includes:

1. Develop professional development program including a professional development framework for ACEC-BC Member Firms coordinated with what is provided at the Young Professionals level.
2. Support in-house PD programs.
3. Liaise with APEGBC CPD Committee.

The past year has been a very productive year in bringing PD events to ACEC-BC members. The group has been fortunate to partner with several high caliber presenters to deliver a professional development program that explores some of the finer points of the business of consulting engineering. The following events were provided to the membership:

- Business Development for Engineers, Ralph Kison
- How To Effectively Manage Risk, Panel Speakers, organized by Andrew Bay
- Indicators for Business Success (managerial techniques, focused on critical success factors & key performance indicators), Ron Coleman
- Economic Review and 2015 Forecast, Jock Finlayson
- Business Development for Engineers 1.0, Ralph Kison
- Writing Winning Proposals, Kate Cockrill
- Effective Agreements 1.0 (ACEC-Canada), Design Firm Seminars (DFS) / Ben Novak
- Business Development 2.0 (Personal Branding), Ralph Kison
- Why don't they do what I want? Tools for effective delegation (formerly Achieving Accountability), Bellrock Benchmarking, Leonard Firkus

Upcoming events include:

- Effective Agreements 2.0 (ACEC-Canada), Design Firm Seminars (DFS) / Ben Novak

This year's program included an inaugural PD event on Vancouver Island which along with the other events was very well received. The success of the program has been achieved through the hard work of ACEC BC staff and the Committee members. Collaboration with groups such as APEG BC and the Vancouver Island Construction Association has provided value to the program. In the coming year the group will continue to exploring partnerships with affiliate groups and strive to build on the success of the past year.

Committee Members: Mark Byram P.Eng., Joel McAllister, P.Eng. Selina Fong, P.Eng. Siobhan Robinson, E.I.T. Scott Campbell, P.Eng.

## **ACEC Canada - Young Professional Network**

ACEC Canada Young Professional Network (YPN) aims to bring together representatives from provincial and territorial ACEC young professional (YP) groups to facilitate communication and information sharing between provinces, and to provide guidance and recommendations to ACEC Canada regarding issues affecting YPs. This year the group had four meetings via teleconference, along with an in-person meeting at the ACEC Canada Annual Summit and National Convention, held in Niagara Falls, Ontario.

Some of this year's achievements include the update of Terms of Reference and adaptation of the Social Media Policy. The group also assisted in development of the YP business program at the ACEC Summit, including organization of technical tour - Canadian Niagara Powerhouse and award-winning Forbay Bridge, and networking events. The YPN also provided opportunity for provincial and territorial groups to present on the activities and goals of their respective groups at the summit, while members of the YPN also participated in the panel discussion session "Who will Lead the Transformation?" where they offered YP perspective on how firms can create a business culture that will foster the necessary leadership skills to ensure long-term success.

## **ACEC BC - Committee Updates**

ACEC-BC committees help members deal with issues in procurement, contracts, proposals and legislation in four industry sectors: Transportation, Municipal, Building as well as Resource and Energy. ACEC also regularly meets with specific liaison groups to reach the needs of individual clients.

ACEC-BC YPG is represented on most of the committees. YPG members are present at the meetings, report back important information, and voice any concerns that the Young Professionals in our industry may have concerns about. Below is an update on activities for several of the committees.

### **Municipal Engineering Committee**

*YP Representative: David Ellis (Associated Engineering)*

The ACEC-BC Municipal Engineering Committee (MEC) organizes mixers for various municipalities to share highlights from recent projects as well as outline upcoming work. The mixers also provide an opportunity for municipality staff and consultants to mingle in an informal setting. This past year was very successful - with a busy end to the year! Highlights include the following mixers:

- |                        |                   |
|------------------------|-------------------|
| • Richmond / Delta     | October 8, 2014   |
| • Burnaby / New West   | October 22, 2014  |
| • North Shore          | February 25, 2015 |
| • Tri-Cities           | February 26, 2015 |
| • Fraser Valley        | March 4, 2015     |
| • Okanagan             | April 15, 2015    |
| • Langley / White Rock | April 28, 2015    |
| • Metro Vancouver      | May 5, 2015       |
| • Surrey               | May 20, 2015      |

The MEC has a subcommittee that is currently working on a Municipal Toolkit for Quality Based Selection (QBS). Additionally, the MEC is looking forward to collaborate with the Business Practice Committee in the new year regarding QBS.

## Transportation Committee

*YP Representative: Joey Chiu (McElhanney)*

The ACEC-BC Transportation Committee represents member firms in both the Public and Private sectors and is represented in several initiatives including:

- Committee-at-Large
- Subcommittee for Engineering Adaption for Climate Change (SEACC)
- TransLink Committee
- ACEC-BC MoTI Liaison Committee

The Transportation Committee continues to review MoTI's eRISp procedures and is pushing for greater transparency in project awards and shortlisting. In addition, the Committee continues to monitor for the proper usage of As-and-When contracts and helped with the success of the ACEC-BC Transportation Conference in January.

The Subcommittee for Engineering Adaption for Climate Change (SEACC) is represented by 2 geotechnical, 2 structural, 2 civil, and 2 hydro technical engineers who work with the Ministry in order to identify vulnerable infrastructure and offer suggestions on how projects are to adapt to climate change in the future.

The TransLink Committee has a strong focus on the Mayor's Plan with ACEC-BC supporting a Yes vote in the Transportation Plebiscite.

The ACEC-BC MoTI Liaison Committee discussed issues regarding the transition from CAiCE to Civil3D as well as the Ministry's Bridge Management Information System. In addition, a Ministry reorganization of their directors was a topic of conversation for the committee as well as the possible refinement of the Engineer of Record guidelines.

## Resources and Energy Committee

*YP Representative: Zahra Pirani (WorleyParsons)*

The objectives of the ACEC BC Resource and Energy Committee include the following:

- Build a strong relationship based on learning and information exchange.
- Proactively keep each other informed of interests and issues.
- Promote the interests of ACEC-British Columbia member firms to Resource and Energy firms and government that use or can influence the use of our services.
- Focus the committee effort on BC Hydro and the Provincial Government; committee will become involved with private firms only if the need arises from our member firms.
- Engage the Provincial Government in a proactive discussion to better utilize consulting engineers on projects.

BC Hydro has been the major focus of the committee. The underlying principle when ACEC-BC is dealing with BC Hydro is to maximize the benefit to ACEC-BC Member firms when working/bidding with BC Hydro. This would include maximizing work contracted, making a fair and non-onerous bidding process, having terms and conditions that are fair (good) for consultants, having a steady stream of services required, providing long range forecasts of service requirements, and maximizing potential profits and revenue of ACEC BC member firms. The Provincial government is the other focus of the committee. Additionally, to build on last year's efforts, additional focus is being placed

on mining, as well as LNG and the pipeline industries.

Some highlights from the past year include:

- Breakfast Talk with Bryan Cox, VP, MABC was held on October 23, 2014
- Kinder Morgan Trans Mountain mixer was held on December 2, 2014
- Woodfibre LNG mixer was held on December 10, 2014
- BC Hydro Mixer was held on March 24, 2015

### Membership Affairs Committee

*YP Representative: Natasha Orlitzky (WSP Canada)*

The objective of the Membership Affairs Committee is to retain, attract and engage member firms. The committee reviews applications for membership, ensuring the caliber of professionalism is maintained.

We were pleased to welcome seven new Corporate Members in 2014-15:

- MHPM Project Managers
- Stratice Consulting (Tim Stanley)
- Brown and Caldwell (application just received)
- BAP Acoustics Ltd.
- Black & Veatch
- SKC Engineering Ltd.
- West Coast Road Testing & Consulting Ltd.

We are into our second year of offering a new category of membership - Associate Member. This non-voting membership category is open to firms with offices in British Columbia that supply services to engineering consultants. Affiliate membership may include, but is not limited to: financial institutions, insurance companies, legal firms and drafting supply companies. We are pleased to advise that we have two new companies as Associate members. In 2014-15 we welcomed the following organizations:

- B&B Contracting Group
- Jardine Lloyd Thompson Canada

A huge thank-you to all those on the committee for their continued support and commitment.

### Business Practice Committee

*YP Representative: Graeme McAllister (Levelton Consultants Ltd.)*

The ACEC BC Business Practice Committee works to monitor the emerging issues which effect member firms with the goal of improving member firm business interests. The committee also works to improve the business interests of member firms by preparing position statements and informative documents, and liaises with key client groups.

Recent accomplishments of the Business Practice Committee include the development of the Budgeting Engineering Services Guidelines document and the 2015 ACEC BC Engineering Fee Guidelines. The Business Practice Committee is currently working on the development and implementation of standard agreements.

## **Fundraising at ACEC BC Golf Tournament**

On Wednesday May 13<sup>th</sup>, volunteers from the Young Professionals Group (YPG) attended the ACEC-BC Golf Tournament in hopes of raising money for two very special charities. Our very own YP members Joey Chiu, Katherine Dennert, and Rozina Merchant organized three different fundraising games at the golf tournament.

At the first ACEC-BC hole, Armtec graciously brought in their staff, swag, and contraptions to help raise money for charity. One lucky winner took away a \$250 gift card courtesy of Armtec. Because one can never golf enough, another lucky winner took away a round of golf for 4 courtesy of BFL CANADA Insurance Services. In addition to that, Armtec also helped raise \$740 at the hole!

At the second ACEC-BC hole, BFL CANADA Insurance Services sponsored a hole-in-one prize and tried to give away a whopping \$25,000 in cold hard cash. Although some players had close shots, they will unfortunately have to try their luck again next year! There was something to smile about, however. We raised \$260 for charity!



Last but not least was a popular 50/50 draw. All golfers were given a chance to buy 50/50 tickets, and the bigger the jackpot grew, the quicker the tickets sold! At the end of the day, the grand total collected was \$680. The winner of the 50/50 draw (who would like to stay anonymous) was generous enough to donate 100% of the winnings back to charity. Thank you!

All in all, a total of **\$1680** was raised for charity. Now you might be wondering which charities we keep referring to. The two charities that we raised money for were Scientists and Innovators in the Schools (Science World) and GEERing Up! (UBC). We thank all our sponsors and generous donors for their support. See you next time!

## **2015 Breakfast Seminars**

Below is a partial list of upcoming Breakfast Seminars for the ACEC BC YPG. Please note that this information could change in the future, so please visit the [Events Calendar](#) for updates!

### **Vancouver Island Group**

22-July-2015	Speaker: Lynn Graham Topic: What does it take to write well at work?
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## **Social Media**

To get information regarding upcoming YPG seminars and events please find us at your favourite social media outlet.



Like us on Facebook: <http://www.facebook.com/acecbc>,



Follow us on Twitter: @acecbc,



Join our group on LinkedIn: ACEC British Columbia Young Professionals Group, or



Check out our webpage: <http://www.acec-bc.ca/young-professionals>.

## **Young Professionals Group 2014 - 2015 Annual Report**

*Tijana Smiljanic, ACEC BC YPG Provincial Committee Chair*

Building on the foundation established by previous committees, the Young Professionals' Group (YPG) enjoyed another very successful year of effectively implementing its mission. This year the group aimed to increase participation across all ACEC-BC member firms at the YPG events, to provide networking opportunities for young professionals (YPs) in client groups, and to engage in more charity work. The provincial and regional (Lower Mainland, Vancouver Island, Okanagan, and Thompson-Nicola) committees featured many new faces who brought increased energy and fresh ideas; coupled with experienced returning members, the group had the right formula to achieve these objectives.

With the goal of reaching out to YPs at all locally represented member firms, the Lower Mainland group focused on finding a "company champion" at each member firm who would liaise with the committee and keep their member firm informed about YPG events and initiatives. At the start of the year, the group developed a document that outlined the initial and long term responsibilities of a company champion, which was used in the recruitment process. This year, with a collective effort, the Lower Mainland group was able to increase the company champion list to 29 members, while also obtaining information about member firm's internal policy on ACEC-BC from 20 companies. Building on the Lower Mainland group's success with this initiative, other regional groups will be looking to develop similar company champion lists for their local member firms.

This year again, YPG partnered up with young professionals/U40 groups of the Vancouver Regional Construction Association (VRCA) and the Vancouver Island Construction Association (VICA). The YPG attended VRCA's annual "Ugly Christmas Sweater Party" in Vancouver and the joint "Ping Pong Championship" event was organized with VICA's U40 group in Victoria. Even more opportunities for networking with YPs from client groups were provided in the Lower Mainland region by organizing two additional joint events: "Urban Golf" with the Chartered Professional Accountants of BC - Young Professionals Forum and "Whisky Tasting and Pub Social" with the Canadian Bar Association - Young Lawyers Group. In Kelowna, the Okanagan Committee hosted a collaborative social event with the Okanagan YP Collective and Investors Group. Attendees learned how to make the most of their earnings with this "Tax Me If You Can" event. The Okanagan group is also working hard to organize a boat cruise event in late June, in collaboration with the Young Lawyers, the Young Accountants, and the technology sector of Kelowna.

To achieve the goal of engaging in more charity work, YPG developed a fundraising initiative proposal and presented it to the ACEC-BC Board. The Board's approval of the proposal allowed the YPG to raise money for "Geering Up UBC Engineering & Science for Kids" (Geering Up) and Science World's "Scientists and Innovators in the Schools" (SIS) programs. Fundraising activities included an obstacle challenge and a 50/50 draw at the annual ACEC-BC Lower Mainland golf tournament. Before the end of the year, the YPG is looking to partner with Investors Group to organize a social event; proceeds from the event will be donated to Geering Up and SIS.

Offering high quality breakfast seminars to empower YPs within BC also remains the top priority for the YPG. Seminars offer networking and soft skills development opportunities to YPs in the areas of communication, legal competency, leadership, and project delivery, as well as providing YPs with tools and lessons that they can apply to actively advance their careers. This year, the four regions will offer 15 breakfast seminars before the end of the term. The topics covered thus far range from "Expanding your Influence: How to Connect and Engage with Anyone", through "Professional Engineering in the Design/Build and Public Private Partnerships Market" to "Career Development Tips and How Design Becomes Infrastructure".

Realizing that certain YPG initiatives require a long term commitment, spanning over multiple committee terms, a draft “3 Year Plan” has been developed. The plan aims to act as a guidance document for YPG to support committee members, facilitate succession, and provide long term direction for the group.

Highlights of the YPG’s many achievements over the course of this year include:

- Updating documents (including Mandate, Terms of Reference, Roles and Responsibilities, and YPG Structure) to reflect current practices of the group.
- Updating YPG Executive Manual to reflect ACEC-BC strategic priorities and provide a framework for the YPG.
- Issuing three newsletters, which acted as a learning and information sharing tool for the YPG. Topics covered included introduction to YPG activities, lessons on client-consultant contracts, and project delivery models. We thank all contributors for their high quality input.
- Organizing three social events in Vancouver, including Kingston Tap House Pub Night Networking, BC Lions Game Social event, and Curling Night and Pub Social.
- Organizing three successful pub nights and one Curling Night in Victoria.
- Continuing outreach initiatives and promotion of the association in Lower Mainland by YPG members attending BCIT/ASTTBC/APEGBC Industry Pub Night, two UBC/APEGBC Student & Industry Nights, UBC Engineering Career Fair, and BCIT CSCE Professional Night.
- Continuing outreach initiatives and promoting the Association on Vancouver Island by YPG members attending Camosun College’s Trade and Technology Career Fair, Camosun College Civil Engineering Club event, and APEGBC/UVic Student & Industry Night (where two YPG members presented their career paths).
- ACEC-BC Board approval of a budget increase proposal for YPG outreach initiatives. With the increase in budget YPG will be able to support outreach initiative activities, such as attending industry nights, without requiring Board approval each time. Part of the funds will also be used to acquire branded merchandise that will be handed out at various events to increase ACEC-BC brand recognition among YPs.
- Supporting ACEC-BC’s government relations initiative. A YPG representative attended the MLA Luncheon in Victoria, while several YPs attended the Spring Reception that followed.
- Engaging of YPs in Nanaimo by organizing a breakfast seminar in March. Following the seminar, the Port Authority of Nanaimo kindly gave a tour of their new facilities and also took the YPs on a boat tour of the harbour.
- Increasing community engagement by initiating YPG volunteering at the Science World SciTech camp for the summer of 2015.
- Increasing the Volunteer Bank list for Lower Mainland group to 59 volunteers.
- Drafting a “3 Year Plan” for the YPG to provide a clear, long term vision.

The group is continuing to build on the foundation established in previous years, in order to ensure the strengthening of our committee throughout the province, and I would like to thank all Provincial and Regional Committee members for their hard work, focus, and commitment. In particular, a big thank you to Mark Byram for insight throughout his time as committee member.

The support provided by the ACEC-BC staff has been invaluable. On behalf of the YPG, I would like to thank Lia Spidlen who provided a link between YPG and ACEC-BC and was instrumental in this year’s success. A special thank you also to Armtec and BFL CANADA Insurance Services for their

support of YPG at the ACEC-BC Lower Mainland golf tournament.

YPG is also represented on most of the ACEC-BC committees. YPG members are present at the meeting, report back important information, and voice any concerns that the YPs in our industry may have. So, a big thank you to all of our committee representatives for their time and dedication.

I would like to welcome next year's committee and young professional committee representatives and wish them continued success in the 2015-2016 year.

### **Provincial Committee**

<i>2014-2015 Outgoing Committee</i>		<i>2015-2016 Incoming Committee</i>	
Chair	Tijana Smiljanic	Chair	Siobhan Robinson
Past Chair	Mark Byram	Past Chair	Tijana Smiljanic
Vice Chair	Zahra Pirani	Vice Chair	Graeme McAllister
Communications	Graeme McAllister	Communications	Joey Chiu
Professional Development and Education	Siobhan Robinson	Professional Development and Education	Imran Gehlen
Lower Mainland Chair	Siobhan Robinson	Lower Mainland Chair	Zahra Pirani
Vancouver Island Chair	Caroline Silins	Vancouver Island Chair	Caroline Silins
Okanagan Chair	Natasha Orlitzky	Okanagan Chair	Natasha Orlitzky
Thompson-Nicola Chair	Andrew Chand	Thompson-Nicola Chair	Vacant
ACEC Canada YPN representative	Tijana Smiljanic	ACEC Canada YPN representative	Tijana Smiljanic

### **Regional Committees**

#### **Lower Mainland**

<i>2014-2015 Outgoing Committee</i>		<i>2015-2016 Incoming Committee</i>	
Chair	Siobhan Robinson	Chair	Zahra Pirani
Past Chair	Vacant	Past Chair	Siobhan Robinson
Vice Chair	Zahra Pirani	Vice Chair	David Marchand
Communications	Vacant	Communications	Gabriene Hansen (not yet confirmed)
Professional Development and Education	Imran Gehlen	Professional Development and Education	Dani Delaloye (not yet confirmed)
Networking	David Marchand	Networking	David Ellis (not yet confirmed)
Volunteer Management	Joey Chiu	Volunteer Management	Katherine Dennert
Student Outreach	Katherine Dennert	Student Outreach	David Walker (not yet confirmed)
Community Involvement	Rozina Merchant	Community Involvement	Rozina Merchant

*Vancouver Island*

<i>2014-2015 Outgoing Committee</i>		<i>2015-2016 Incoming Committee</i>	
Chair	Caroline Silins	Chair	Caroline Silins
Past Chair	Mark Byram	Past Chair	Mark Byram
Vice Chair	Craig Appelman	Vice Chair	Craig Appelman
Communications	David Palmer	Communications	David Palmer
Networking	David Palmer	Networking	Vacant
Student Outreach	Max Scruton	Student Outreach	Max Scruton

*Okanagan*

<i>2014-2015 Outgoing Committee</i>		<i>2015-2016 Incoming Committee</i>	
Chair	Natasha Orlitzky	Chair	Natasha Orlitzky
Vice Chair	Stephen Horsman	Vice Chair	Stephen Horsman
Communications	Jade Jordan	Communications	Jade Jordan
Networking	Cory Sivell	Networking	Cory Sivell
Volunteer Management	Nathan Rosin	Volunteer Management	Nathan Rosin
Student Outreach	Jonathan Lowe	Student Outreach	Jonathan Lowe

*Thompson-Nicola*

<i>2014-2015 Outgoing Committee</i>		<i>2015-2016 Incoming Committee</i>	
Chair	Andrew Chand	Chair	Vacant

*Young Professional Committee Representatives*

<i>2014-2015 Outgoing Committee Representatives</i>		<i>2015-2016 Incoming Committee Representatives</i>	
ACEC Canada YPN	Tijana Smiljanic	ACEC Canada YPN	Tijana Smiljanic
Municipal Engineering	David Ellis	Municipal Engineering	David Ellis
Business Practice	Graeme McAllister	Business Practice	Graeme McAllister
Transportation	Joey Chiu	Transportation	Joey Chiu
Building Engineering	Graham Lovely	Building Engineering	Graham Lovely
Resource and Energy	Zahra Pirani	Resource and Energy	Zahra Pirani
Membership Affairs	Natasha Orlitzky	Membership Affairs	Vacant
Professional Development	Mark Byram	Professional Development	Mark Byram