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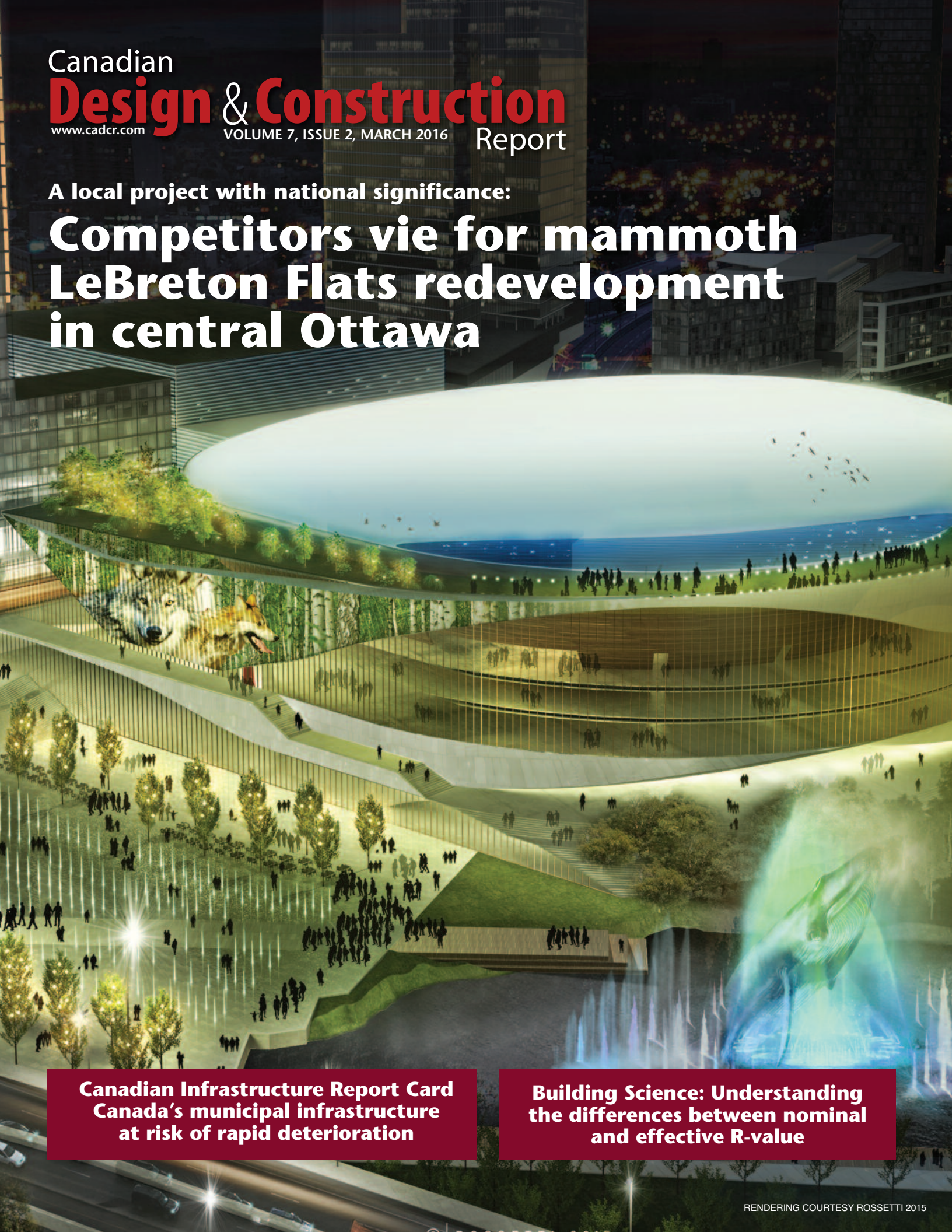
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VOLUME 7, ISSUE 2, MARCH 2016

Report

A local project with national significance:

## Competitors vie for mammoth LeBreton Flats redevelopment in central Ottawa



**Canadian Infrastructure Report Card**  
Canada's municipal infrastructure  
at risk of rapid deterioration

**Building Science: Understanding**  
the differences between nominal  
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# Editor's viewpoint



Can you connect?

The single most effective opportunity building message I can share is that community and association participation and leadership will elevate your career and business, though (perhaps ironically), you cannot expect to succeed if you go about your community service with selfish intent.

The good news is you don't have to sell your soul, or engage in activities and associations against your values and principles.

If you have interests in business development (sales), the best associations and groups, not surprisingly, will include those serving your clients. Accordingly, if you work with residential builders, you would engage with relevant home builders' associations.

Truly selfless community service, even if the initiatives are not directly industry related, also provides incredible rewards. I've noticed how many of the most successful business owners are also determined philanthropists. If you don't have lots of money, you can still contribute time. (And leaders spend plenty of money and time at these selfless endeavors.)

If you have worthy causes or association initiatives you would like to see recognized, let me know. You can email me at [buckshon@cadcr.com](mailto:buckshon@cadcr.com).

Mark Buckshon

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# Canada's municipal infrastructure at risk of rapid deterioration

Canadian Design and Construction Report staff writer

One-third of Canada's municipal infrastructure is at risk of rapid deterioration: that is the key finding of the 2016 Canadian Infrastructure Report Card (CIRC).

Informing the Future: The 2016 Canadian Infrastructure Report Card assessed the state of municipal roads and bridges, public transit, buildings, sport and recreation facilities, stormwater, wastewater and potable water infrastructure. The results indicate that much of Canada's municipal infrastructure is at a critical juncture.

"This isn't complicated," Canadian Construction Association (CCA) president Michael Atkinson said in a statement. "Homeowners know you need to stay on top of repairs if you want to avoid larger bills down the road. If you see a small crack in your foundation, you fix it now. You don't wait until water is pouring into your basement."

Investments in repair and upkeep are needed in the short term to prevent a rapid decline in the condition of municipal assets, according to survey findings.

Furthermore, the report uncovered that reinvestment rates in Canada's municipal infrastructure are not meeting target rates, despite continued efforts on the part of municipal governments. If this trend continues, the overall cost for infrastructure repair will

increase substantially from where they stand today, a CIRC news release says.

The CIRC project is the continuation of a collaboration struck in 2012 between the CCA, the Canadian Public Works Association, the Canadian Society for Civil Engineering and the Federation of Canadian Municipalities. The 2016 edition also received support from the Canadian Urban Transit Association, as well as the Federal-Provincial/Territorial Sport, Physical Activity and Recreation Committee. Technical support and advice was provided by the Canadian Parks and Recreation Association.

The 2016 CIRC survey gathered more detail on inventory, condition and replacement value than the survey developed for the 2012 edition. There was a marked increase in the number of questions answered by participants. There was therefore an improvement in the availability and quality of data that informed the findings of this new report. As a result, the 2012 and 2016 CIRC report should be viewed as separate snapshots in time.

"The report shows that we have an opportunity to improve quality of life for Canadians, strengthen the economy and save money over the long term. That should be all the motivation we need to act now," said Nick Larson, chair of the Canadian Society of Civil Engineers Infrastructure Renewal Committee.



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# Understanding the differences between nominal and effective R-value

By Tyler Simpson

Special to Canadian Design and Construction Report

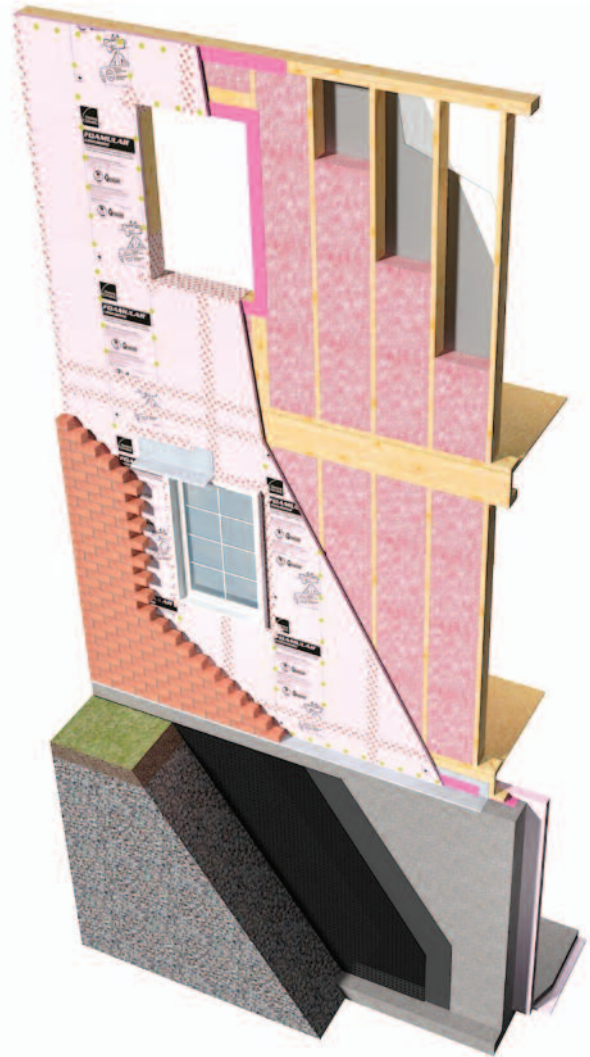
The 2015 National Building Code (NBC) now refers to “effective R-value” as opposed to “nominal R-value.” This change in language will impact residential construction in Canada. Nominal R-value took into account the thermal resistance of the insulation layer only, typically batt insulation placed between the studs. Effective R-value, on the other hand, takes into account the cumulative value of thermal resistance for all materials within the assembly.

The NBC’s authors have chosen to adopt the isothermal planes (series parallel) method for calculating effective R-values. This method breaks assembly components into two groups during calculation:  $R_{\text{parallel}}$ , which refers to all components that have parallel path of heat flow (assembly containing both framing members and cavity insulation), and  $R_{\text{series}}$ , all continuous layer materials that overlay the framed cavity (materials such as exterior/interior air films, cladding, air space, exterior insulated sheathings or uninsulated exterior sheathings, and gypsum board). This cumulative approach factors in what the assembly was constructed of and indicates the actual thermal resistance of the entire assembly.

The main reason why the language has changed is thermal bridging. Thermal bridging occurs when a conductive material creates a path for heat flow to bypass the insulation layer, for instance a wood or steel stud. This shortcut significantly reduces the R-value of the insulation layer, lowering the overall performance of the assembly. For example, a 2x6 at 16” on-centre wood stud wall with R24 batt insulation has an effective R-value of 18.35 (a 23.5 per cent loss of R-value). Adjusting the assembly to steel studs further lowers the effective R-value to 11.88 (a 50.5 per cent loss of R-value).

To minimize this loss of R-value, an insulated sheathing material needs to be placed on the exterior side of the framing members. When exterior insulated sheathings are installed they reduce thermal bridging in assemblies, allowing homes to lessen transfer of heat loss in winter and heat gain in summer, decreasing overall energy consumption.

NBC changed to effective R-values to ensure a portion of the total insulation of the assembly is placed outside of the framing members. The obvious advantage, as stated above, is lessening of heat loss or gain. However, there are supplementary benefits. When placing insulation outside of the framing member it allows the cavity to experience warmer temperatures. This increase in temperature has a twofold effect on the durability of the assembly. Firstly, increasing the cavity temperature moves the dew point from its traditional location inside the cavity to the outer surface of exterior insulated sheathing, where moisture can be drained in a properly detailed rainscreen. This limits the amount of moisture that sensitive cavity materials, such as wood or gypsum board, may encounter. Furthermore, small amounts of moisture from condensation that may form on the coldest days of the year will normally dry up due to the increased cavity temperature, before it has a chance to deteriorate the assembly.



How much insulation is necessary outside of the framing members to reduce condensation? It all depends on geographic location, but most parts of Canada will need R10 to R15 to limit condensation in the assembly.

To help the industry with effective R-value calculations, the Canadian Wood Council has developed a data bank of pre-calculated assemblies that the user can search through to find a match for their preferred method of construction. You’ll find them at: [CWC.ca/Resources/Wall-Thermal-Design](http://CWC.ca/Resources/Wall-Thermal-Design). The breakdown of selected assembly will include the thermal resistance of each component, effective R-value of entire assembly, effective R-value of entire assembly with advanced framing, and a simulated durability analysis.

An alternative tool that can be utilized is the Owens Corning effective R-value calculator (Visit: [Insulation.OwensCorning.ca/Builders/Calculators/Thermal-Project-Calculator](http://Insulation.OwensCorning.ca/Builders/Calculators/Thermal-Project-Calculator)). The tool allows calculations for roof and ceilings below attics, roofs and cathedral ceilings, walls above grade, foundation

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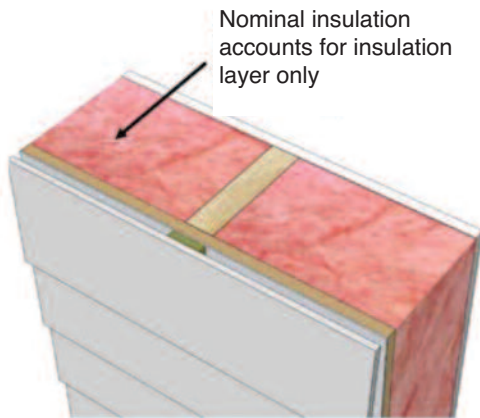
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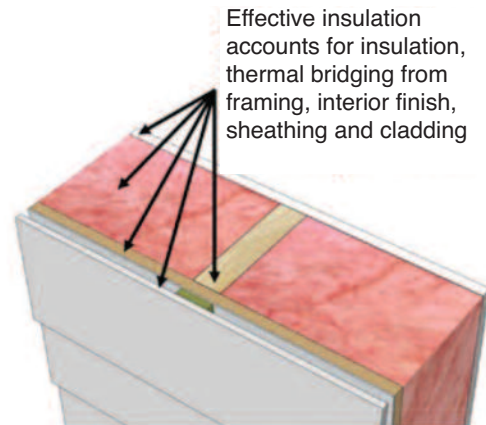




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fective R-value of the assembly. A detailed report of the calculation can be downloaded that provides thermal resistance for each component and the entire assembly. The report can be used during permit application as it is recognized and accepted by building departments across Canada.

It is a substantial adjustment in the construction industry when moving language from nominal to effective R-val-

ues. This change however, will allow the construction of more durable assemblies that lead to less associated health risks for the occupants, and the twofold effect of minimizing thermal bridging will lessen utility bills while allowing occupants to experience a more comfortable home.

*Tyler Simpson is technical manager, Ontario, for Owens Corning.*

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# Multipurpose event centre at Alberta resort demonstrates advantage of tension fabric rigid steel frame structures



## *Canadian Design and Construction Report special feature*

Near Edmonton, the Venue at the River Cree Resort and Casino is a 29,680 sq. ft. multipurpose event center. The recently opened building, featuring mezzanine seating and concert hall quality acoustics, is an illuminating example of the properties of tension fabric rigid steel frame structures. The Venue offers all the amenities of a conventionally constructed building, demonstrating the versatility and performance of the system.

Legacy Building Solutions designed, engineered, and manufactured the structure on a fast track construction schedule, minimizing downtime for the popular resort. The Edmonton, Alberta based company also acted as construction manager for the project.

Clad in durable polyethylene fabric, the 140 ft. by 200 ft. building with 12 ft. by 60 ft. and 12 ft. by 80 ft. lean-tos is home to a variety of entertainment, commercial, and business gatherings. The main floor has a seating capacity of 2,200 for stage productions and 1,200 when 8-person round tables and chairs are set up for conventions. Tied in to the rigid steel frame of the building, a mezzanine can hold 300 people in VIP boxes; two stairways provide access and egress.

Inherently modular, the building system is customizable in plan and elevation. A 40 ft. by 200 ft. foyer structure forms the public entrance to the hall. Adjoining the main building,



the lean-tos house a green room and bar. A 10 ft. by 18 ft. overhead door gives direct access from the rear loading dock to the backstage area, streamlining the set up and breakdown of bulky equipment; another 10 ft. by 18 ft. door is located on the sidewall, facilitating an easy move in for trade show displays on the main floor.

While theatrical buildings often have a sloped floor, the River Cree structure has a flat floor. This allows the facility to host meetings and trade expos, which require the installation of tables, kiosks, and booths. To preserve the quality of the audience experience during stage shows, the platform was raised from the standard 42 inch height to 48 inches, maintaining sightlines throughout the column free space. Such functional flexibility allows the resort to book a full yet varied schedule of events, maintaining a steady revenue stream.

Of particular interest is how the tension fabric structure enhances the performance of HVAC systems, both passive and active. After working with the facility, Terry Smith, P. Eng. of Edmonton based TWS Engineering Ltd. said: "The fabric structure at River Cree provided many HVAC efficiencies that (can) exceed many traditional construction methods."

The weather tight fabric panel attachment system - proprietary to Legacy Building Solutions- is key to this capability. "The unique construction methods used for this structure allowed for minimal air leakage through the wall assembly as well as at the building's fenestrations," Smith said.

"This lets the building be adequately ventilated without the need to introduce excessive outside air. Tighter control of the building's operating conditions was also achieved, which permits the structure to operate more efficiently, with minimal air quality issues and lower than average building heating requirements."

In addition, the building's structure and materials have been designed to stand up to the infamous Chinook winds that gust through the area at speeds in excess of 60 mph.

At the Venue, the acoustics - a critical aspect of any performance venue - have passed muster by both musicians and the neighbours. A previous building on the site (since demolished) had drawn complaints from the community about noise leaking during concerts. With its batt insulation and interior fabric liner, the new structure channels crisp, clear sound throughout the hall, but not beyond its walls.

"The interior fabric skin of this structure allowed for minimal reverberation within the venue," noted Smith. "This provides the client with high quality acoustic attenuation in the entertainment space."



The liner also works to deaden the sound generated by the mechanical systems that are mounted on or adjacent to the main structure. The building's acoustic properties were further refined by a special noise absorbing admix that was added to the concrete before the floor slab was poured.

The entertainment venue is the first stage of the project at River Cree Resort and Casino. Further additions are in the works.

#### About Legacy Building Solutions

Legacy Building Solutions is a design-build manufacturer of fabric structures on a rigid steel frame. The international company is based in South Haven, Minnesota.



# Estate planning with your registered investments



*By Richard W.R. Yasinski CFP  
Special to the CDCR*

My mother passed away at age 91. She was a very practical individual and asked me before she died the best way to pass along her estate to my two sisters and me. She did not want one penny to be spent on taxes or probate that did not need to be. Following my recommendations, she sold her house and put all the money in a joint account with my younger sister. She rented an apartment and lived comfortably on her government pensions and a small withdrawal from the joint investment account.

When she passed away the \$10,000 in her joint bank account and the money in the joint investment account passed

to my younger sister as she was “joint account holder with right of survivorship.” My sister divided up those assets and gifted them to my older sister and I as my mother had wished. No probate process was required or fee paid. The taxable income on the joint investment account had to be realized to date of death and a small amount of tax was paid with her final tax return. It was the simplest estate process I’ve ever been involved in.

Note this strategy worked because all the siblings got along and trusted my younger sister – it would have been a mess if we didn’t. Also, recent court cases suggest my mother should have put her wish in writing regarding the joint account otherwise these assets may have been considered probatable. However, this does illustrate how estate planning

can make life easier and less costly to your heirs. Most of us need to consider many more things regarding passing along our estates but can still benefit from doing a bit of estate planning – and a large part of our estate is typically held in our registered investments.

Anyone with a registered account (RSP, LIRA, RIF, LIF, TFSA) who is married and has children or another individual named in their will, needs to consider naming them as primary and/or secondary beneficiaries vs. including “estate” as a beneficiary. When your estate is named as a beneficiary, those assets are subject to probate fees, now called estate administration tax. I say “consider” because this may not be ideal in all situations – especially if any of the beneficiaries or trustees do not get along or where potential conflicts exist as can occur in blended families. If any of the latter situation exist consult a competent estate lawyer – you will be saving your heirs a great deal of pain and frustration.

All registered investment accounts (and pensions) have the option of naming a primary beneficiary and secondary beneficiary who would receive the funds directly after death of the owner. The primary advantage of naming an individual is that the funds are not held up, tax and/or probate fees can be avoided.

Probate is a court process that primarily ensures the validity of a will and confirms the authority of the estate trustee or executor to administer an estate’s asset distribution as indicated by the will. If a will requires probate, the value of all assets in the estate must be documented, the probate fees calculated and submitted with documents filed (typically by a lawyer) with the estate’s court. The assets are held and typically cannot be withdrawn until the probate certificate has been issued by the court. A will must be probated if the deceased individual was the sole owner of the assets or was an owner of a portion of an asset as a tenant in common (such as can be with real estate) or if required by anyone or an institution holding assets registered for that individual.

Registered assets can be quite significant, especially when one is close to retirement. Registered assets of \$500,000 to \$750,000 if left to an estate would be subject to probate fees of \$7,000 to \$11,000. And they will be held in limbo until the probate certificate has been issued by the court. Leaving assets directly to an individual avoids probate and simplifies the process – but care must be taken as not all situations are right for this strategy.

A surviving spouse should (in most cases) be named as the primary beneficiary of all registered accounts. This allows the surviving spouse to roll the registered account assets (including TFSAs) into her/his registered assets tax and probate free. However, the secondary beneficiary is often by default the estate and it is here where children or other individuals can be named to ensure assets flow directly to them.

When naming anyone other than the spouse as primary or secondary beneficiary, all of the assets in the account go directly to those beneficiaries. Note that no tax is deducted, nor is probate charged. This can create a problem if there are insufficient assets in the remaining estate to pay the tax that will be assessed on the registered assets. At death the market value of all registered assets are taken into income and considered taxable in the year of death. For someone who died having earned taxable income of \$75,000 to date of death with \$500,000 market value of RSPs, this means their final tax return would show taxable income of \$575,000. Currently that would result in \$247,581 owing in income taxes. If there are


insufficient funds available in the estate, CRA will go after the trustee and beneficiaries to pay the tax.

Another strategy for young couples with children under 18 that is possible is to name their children as primary or secondary beneficiaries of their registered assets. If both spouses pass away, the children receive these funds in trust tax free for their care. Couples who want to avoid probate and tax on the funds or want the surviving spouse to have some funds to help care for the children could name their children as partial beneficiaries on registered accounts and flow tax free funds to trust accounts in the children’s name. There can be complications with this strategy if the office of the children’s lawyer is involved because they may limit access to the funds and require the funds to be held in trust until age 18 when the funds must be paid to the children. Working with a competent estate lawyer and financial planner will help minimize the complications and risks.


Registered investment accounts can be an effective tool to minimize estate administration costs – they can also cause pain, frustration and delays if not used properly. Consulting an estate lawyer and/or competent financial planner is recommended in all but the simplest of family situations.

*Thanks to Donna Neff, my estate lawyer, for her help.*

*Richard Yasinski is an independent financial planner with his own firm, Financially Sound Inc., in practice in Ottawa since 1996. He can be reached by email at [ryasinski@financiallysound.ca](mailto:ryasinski@financiallysound.ca) or by phone at (613) 271-9994 ext. 101.*




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A local project with national significance

# Competitors vie for mammoth LeBreton Flats redevelopment in central Ottawa



Who will win the multibillion dollar opportunity to redevelop potentially 22.6 hectares of LeBreton Flats – a crucial parcel of land in central Ottawa owned by the federal government’s National Capital Commission (NCC)?

If the NCC can keep things under wraps, we will need to wait until early next year to find out.

However, the two competing proposals, Devcore Canderel DLS Group (DCDLS) and Rendezvous LeBreton Group have the support of big name and well-funded businesses, and (with the diverse scope and scale of the alliances), we’ll likely hear rumors and indications of the decision once its reviewers complete the evaluation and its board of directors reviews the recommendation in March.

No one is saying how much the project will cost, though Ottawa Senators’ owner Eugene Melnyk gave an indication of its scale when he said the estimates to remediate the site are at least \$170 million. Some reports have indicated the development could be in the \$3.5 billion range.

Representatives of DCDLS said they would like to buy the land from the NCC at fair market value, while RLG representatives, observing that the financial details are supposed to remain under wraps, suggested there could be a variety of options including a possible 99-year lease for some or all of the land.

Both proponents suggest that, as well as an NHL arena, the Ottawa Public Library could relocate to the site, and they advocate for a mixture of residential, commercial, entertainment and community services tied in with the Light Rail Transit (LRT) Phase 2 hub and stations.

You could see the tension crackle at a February news conference when Melnyk rebuffed DCDLS’s proposal for an arena and an invitation to negotiate with the Senators to relocate there if their proposal is successful.

“What are they doing?” Melnyk asked. “I haven’t even talked to these people . . . good morning, I have no interest in selling, and no interest in playing in someone else’s arena. It’s also not practical.”

However, the RLG’s proposal suggests that, while the Senators expect to be major players in the huge development, the team realizes that other partners will need to develop the key residential, commercial and institutional components of the potentially 22.6 hectare area. (The NCC has opened 9.3 hectares for development, and has “asked proponents for their development planning outlook on a larger area, referred to as option lands, consisting of an additional 12.3 hectares,” it says in background materials.)

(Conceivably, if DCDLS wins the proposal, the negotiations with the Senators could go beyond just providing stadium access or the opportunity to build the arena and central entertainment complex. The overall parcel could be segmented – as RLG has indicated in its own proposal – to allow additional profitable business development opportunities from other partners, such as Senators’ Sports and Entertainment. However, Melnyk doesn’t want that sort of thinking to gain any traction while the competition to lead the project is in high gear.)

The main RLG partner, Trinity Development Group, would oversee much of the commercial and mixed use development, with other players including Windmill Developments, Brigil, and Mattamy Homes. Other participants include Morley Hoppner, Tomlinson, PCL and GBA (Graham Bird Associates).

Architect Barry Hobin led the RLG presentation when the NCC invited the two proponents to demonstrate their plans on Jan. 26. RLG has other significant architectural supporters including Rossetti, KPMB Architects, Perkins + Will, and Schmidt/Hammer/Lassen Architects.

However, DCDLS also is well-funded and connected. Devcore, based in Gatineau, says it currently has 12 projects in development and nine under construction in Ontario and Quebec, while Canderel has a national background in real estate investment, development and management. Other players include the DLS Group (led by Quebec magnet Andre Desmarais,) and Guy Laliberte, founder of the Cirque du Soleil. Local representation is provided by William Sinclair, co-founder and former president of JDS Uniphase, and the Mierins family’s Ogilvie Realty. Mierins Automotive Group owns and operates eight car dealerships in the Ottawa area.

The NCC says an evaluation committee with architect A.J. Diamond (Diamond Schmitt Architects), planner and land economist Mark Conway (N. Barry Lyon Consultants) and senior staff members from the NCC will evaluate the proposals, based on rated requirements totaling 140 points.

The proposals have some similarities, in part because the NCC, in its request for proposals, suggested certain elements need to be included in the project, including public anchor uses and sustainability. Aboriginal concerns are also important, and the Algonquin Nation is to be consulted before the NCC makes its decision.

The NCC invited public feedback at its website until Feb. 9 and reports it has received hundreds of submissions.

Public responses indicate that both proposals have some support and some detractors. About 1,000 people showed up at the Canadian War Museum on Jan. 26 when the public was invited for two days to listen to developers’ presentations and ask questions.

The main distinction between the two proposals is the mix of attractions and community amenities.

DCDLS, for example, proposes an auto museum (World Automotive Experience), an aquarium, a skateboard park, and an auto museum, as well as a new public French school, day-care, YMCA and an “air pavilion” providing a simulated sky-diving experience.

The central feature of its proposal is the Canadenisis Walk, described as a “four season linear park stretching the entire length of the development to showcase Canada’s wildly diverse and poignantly beautiful eco-zones across the country.” The developers propose the site will be a key point on the Trans Canada Trail. It will also have a 6,000 sq. ft. bandshell and what it describes as “Canada’s first multimedia museum, the Canada Communications Centre (CCC).” There is also a proposal for a Science & Innovation Pavilion/Planetarium.

The RLG proposal on the other hand has less obviously public features, but includes consideration of how to handle the old aqueduct on the site and the problem of the LRT potentially bisecting it. RLG’s proposal creates two levels, building above the LRT with the aqueduct on the lower level.

One innovative feature of the RLG’s “IllumiNATION” plan is the plans for the development of Abilities Centre Ottawa, “an accessible to all multiuse sports facility providing unique programming that promotes healthy active living, rehabilitation and recreation, and that will meet the diverse needs of a diverse community, including persons with disabilities and activity limitations.”

# Taking measure of a massive infrastructure investment

A quantity surveyor speaks to the cost consultant's role in the P3 projects coming from Trudeau's \$125 billion infrastructure promise



By Art Maw

Special to *Canadian Design and Construction Report*

We are well into the first year of Justin Trudeau's new Liberal government, one that has promised a \$125 billion investment into infrastructure over the next 10 years. It's too soon yet to see any concrete results of that pledge, but already plans are underway and I expect many of them to hit the market for bidding in 2017. It's an exciting time for the country, and also a time when quantity surveyors will play a role to ensure Canada keeps its reputation for financial judiciousness.

Quantity surveyors - the cost consultants for the construction industry - will play a crucial role over these next ten years to make sure that this massive investment is responsibly managed. These professionals are relied upon at all levels - federal, provincial, and municipal - and trusted because we are the building industry's "honest broker."

When it comes to infrastructure projects, in the past several years, we have seen an increase in use of the public-private partnership (P3) model, and I believe that will continue for much of the federal developments to come over the next decade. Canada has in fact been a global leader of this type of infrastructure financing. In the P3 model private companies are responsible for the initial funds for development and take on more of the financial risk, which results in public infrastructure projects being initiated and completed within a shorter timeframe. And because quantity surveyors work with both the public and private aspects of P3 projects - and don't build or invest in anything themselves - it is especially true in this case that they will be the responsible "honest broker" to help fulfill the current vision for Canada.

For P3 projects, the quantity surveyors working with the government side of the project are consulted to figure out what the budget should be. At a high level, this means examining the environmental assessment and engineering and design documents to assess the full range of costs, including the physical construction work; soft costs such as design, consulting, and financing; and social costs, which are the economic impact of projects on things like a population's health. In the P3 environment, the other thing a quantity surveyor must factor in is the concession period during which the private investor agrees to maintain and operate whatever is



being built. These building lifecycle costs can run up to 30 years. All of these considerations then go into building the tender document to create a workable and accurate framework for bids from the private side of the P3 equation. A body at the federal, provincial, or municipal level may want to repair an asset or build a new one, but until a quantity surveyor gets involved, the value of the project is unknown.

Of course, once that value is determined by a quantity surveyor, the government body may need to lower the scope due to current budgets, while leaving the door open to completing the project later. Breaking a project down into phases that are independently functional is thus going to be a crucial activity for the upcoming infrastructure projects. We saw an example of this in Ottawa, when the LRT project needed to be broken down into two economically feasible parts. The first phase, which focused on serving the core, is currently underway and phase two, which is now being developed, will extend the line further out into the suburbs. The value of the entire project was around \$5 billion, but the initial budget wouldn't have allowed it to be built at one time.

The quantity surveyor's work for the private sector of the P3 equation is the mirror of the role for the public sector - we help the consortiums develop the bids that fit within the framework provided by the government. Of course, some conditions may change during the process. The recent drop in the Canadian dollar, for instance, means that materials that are exclusively sourced in the U.S.—stainless steel and structural steel sections, for instance—are going to eat up more of the budget. Either alternative materials will need to be located, or else other parts of the budget will need to be trimmed in order to accommodate the higher cost.

The Canadian Institute of Quantity Surveyors - the professional association that oversees the Professional Quantity Surveyor designation - was formed in 1959. It wasn't too long after that that we saw the last infrastructure spend on the scale of what Trudeau has promised. This major commitment by the federal government is more than welcome, and I speak for all my quantity surveying peers when I say that we are excited to play our role in this infrastructure renewal.

*Art Maw, a Professional Quantity Surveyor (PQS) designated by the Canadian Institute of Quantity Surveyors, is president of Hanscomb Limited.*



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### BRITISH COLUMBIA

#### BC HydroSite C holds job fairs: Will contractor use temporary foreign workers?



BC Hydro has announced job fairs in several B.C. communities as Peace River Hydro Partners ramps up to create 10,000 person years for the mammoth northern B.C. construction project.

Site C will create 10,000 person years of employment during its construction, and various skilled positions - including, but not limited to, boilermakers, carpenters, drillers, crane operators, pipe fitters, and truck drivers - are needed to complete it.

There was a local controversy when Peace River Hydro Partners posted a job for a human resources assistant, with job description responsibilities including "assisting in the Temporary Foreign Worker (TFW) Processes," as well as creating a monthly temporary foreign worker report, Peace River News reported. "The employee will work for Peace River Hydro Partners, which last year won a \$1.5 billion contract to build the dam's main civil works."

The job posting was quickly amended to remove the foreign worker designation but B.C. NDP Hydro critic Adrian Dix said the post raises questions about hiring practices on Site C.

"It's pretty plain that BC Hydro is highly sensitive, from a communications point of view, to the issue of temporary foreign workers," Dix told Peace River News. "Just as they're concerned about the issue of Alberta license plates (on site) and who will get the jobs on Site C."

"They clearly are going to be using the Temporary Foreign Worker program extensively, they're hiring someone here, a human resources assistant, to manage the reports and the processes related to that."

"The new job posting doesn't change anything," Dix added.

"This person will still presumably

have to create the monthly temporary foreign worker report and still have to assist in the temporary foreign worker processes."

#### \$15 million Polygon Gallery under construction in North Vancouver



The new \$15 million Polygon Gallery in North Vancouver is now under construction and on track to open in 2017. Patkau Architects has designed the structure, supported by a lead gift of \$4 million from Polygon Homes and the Audain Foundation, with additional funding from the federal and provincial governments and the City of North Vancouver (\$2.5 million each).

"We are very excited that construction is underway, and cannot wait to welcome people to the new gallery in 2017," said gallery director Reid Shier. The gallery, formerly known as Presentation House, will provide residents and visitors with the opportunity to experience Canadian and international art exhibitions, as well as participate in engaging public events and art education programs.

#### Site preparation underway for Vancouver's Arbutus Shopping Centre

Site preparation is underway at Van-



couver's Arbutus Shopping Centre for one of the largest redevelopment projects in the history of the city's west side neighbourhood, VanCity Buzz reports.

Construction will start in the spring on the eight-storey first phase at the seven-acre mall site.

DIALOG Architecture designed the

Larco Investments project. (Larco owns West Vancouver's Park Royal Shopping Centre.)

The initial Block A portion will have 215 residential units, with 115 market rental units and city owned 100 non-market units. There will be ground floor office, restaurant and retail including a relocated and expanded Safeway store.

VanCity Buzz says that there are four phases to the project, which was approved by Vancouver City Council in 2011. "At complete build out, the redevelopment will have 269,000 sq. ft. of commercial space and 508 residential units in four buildings ranging between six to eight storeys," the website reports.

Arbutus Shopping Centre was constructed in the 1970s as a part of the Arbutus Village residential community. Redevelopment planning started in 2008 and proponents received a development permit for the first phase last fall.

### ALBERTA

#### Calgary: Bird Construction to build Seton Recreational Facility

The City of Calgary has awarded Bird Construction Inc. a fixed price contract to construct the Seton Recreational Facility in southeast Calgary.

The 30,940 sq. ft. building will offer leisure, sports, arts, cultural and recreational amenities for individuals and families, as well as competitive sport venues for groups and organizations. Several features include: a 50 m. 10-lane competition pool, a leisure pool, two multipurpose ice rinks, three gymnasiums and a 2,325 sq. m. library. Construction will commence shortly with an expected completion date scheduled for the fall of 2018.

"We are excited to be awarded to build the new facility situated in the heart of a vibrant urban centre in southeast Calgary," said Ian Boyd, Bird's president and CEO. "Projects like the Seton Recreational Facility and the soon to be completed, Quarry Park Recreational Centre are vital to our communities and Bird is proud to be successfully delivering them to the City of Calgary and ultimately, the communities that they serve."

## Edmonton: TransEd Partners consortium awarded Valley Line LRT Stage 1 project



TransEd Partners - a consortium including EllisDon, Bechtel, Bombardier and Fengate Capital Management - has achieved financial close on the Valley Line LRT Stage 1 project. The city selected TransEd Partners in late November as the preferred proponent to design, build, finance, operate, maintain and supply vehicles for the project, EllisDon said in a news release.

The Valley Line LRT Stage 1 project is a Public-Private Partnership (P3) that includes a five-year design-build stage and a 30-year operation and maintenance (O&M) term. The contract is valued at \$1.8 billion in net present value.

The LRT project is a significant part of the City of Edmonton's transportation plan. The multi-phased, 27 km urban route will ultimately create 25 new stops and three stations, serving an estimated 100,000 daily commuters. The line will run southeast to west from Mill Woods to Lewis Farms, crossing through Edmonton's downtown core.

Stage 1 encompasses 13.1 km with 11 stops including an additional two-storey station between Mill Woods and 102 St., connecting commuters with the Capital Line and Metro Line at Churchill Station. The project is currently on schedule for construction to begin in 2016.

"This is a good day for the City of Edmonton," said Stephen Damp, EllisDon's executive vice president. "We are excited to get started and to deliver a world class system."

EllisDon is currently undertaking a number of major transportation related infrastructure projects across Canada. This includes the Ottawa Confederation Line LRT, Eglinton Crosstown LRT and the York Viva Bus Rapid Transit Expansion.

## SASKATCHEWAN

### Building Permits Update

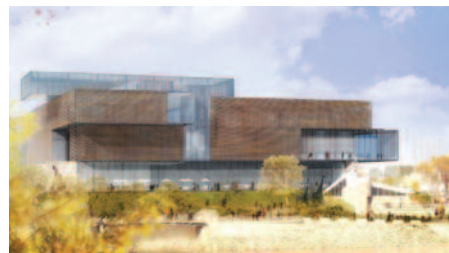
Saskatchewan building permits reached \$165.1 million in December, an increase of 11 per cent from \$148.7 million in November and nearly 18 per cent over the \$140 million in permits issued in December 2015, Statistics Canada has reported.

However, December permits are down about half from \$325.6 million in October 2015, the federal agency said, as reported in the Regina Leader-Post.

Residential building permits declined 12.3 per cent to \$76 million in December from \$89.6 million in November. Saskatchewan was the only province to see a decrease in residential construction permits during the period, the report said.

Non-residential construction permits increased nearly 44 per cent to \$89.1 million in December from \$62.1 million in November. However, this represented a sharp decline from the \$250.7 million in permits issued in October 2015.

### Construction of the Remail Modern in Saskatoon makes progress despite budget overruns



CBC TV has reported that the Remail Modern gallery project should be completed by the fall of 2016, with costs expected to be between \$2.5 and \$4.5 million greater than the approved budget of \$84.6 million, according to Saskatoon's standing policy committee on environment, utilities and corporate services.

EllisDon is building the \$10 million structure.

"The report states that opportunities for funding the shortfall are currently being explored to complete the project," CBC says. "This includes reducing the amounts spent on furniture, fixtures and equipment needed to open the gallery."

Options for private funding are also being discussed. The building is scheduled to open in early 2017. It was originally scheduled to be open this year.

## MANITOBA

### BuildForce Canada projects requirement for 12,000 tradespeople in next decade



BuildForce Canada projects that more than 12,000 more tradespeople will be needed over the next 10 years to fill vacancies within the province's booming construction industry.

The industry led organization which compiles labour market data and analysis for Canada's construction industry, says that as many as 4,000 workers will be needed to fill new positions expected to be created as a result of the ongoing construction boom.

In addition, up to 8,200 others will be required to replace retiring baby boom era workers, it added.

"The local construction industry is benefiting from Manitoba's more diverse economy. From power line work to homebuilding and renovation, there are opportunities for skilled tradespeople in construction," says BuildForce executive director Rosemary Sparks.

"With more than 20 per cent of the construction workforce retiring this decade, employers can't afford to ease up on recruitment," Sparks added. "Hiring more young people remains an industry priority."

In its *2016-2025 Construction and Maintenance Looking Forward* forecast report, BuildForce says Manitoba's 10-year construction expansion isn't expected to peak until sometime in 2018.

"A gradual rise in commercial and industrial building construction and growing demand for maintenance work also creates new jobs in almost every year of the scenario," the report says. It predicts up to 2,600 new jobs will be added over the next 10 years on the non-residential side of the industry, and up to 1,500 on the residential side over the next few years.

As well, home renovation and maintenance work are also expected to another 900 new positions over the forecast period, it adds.

## Winnipeg – Construction of 19-unit affordable housing building begins with \$10 million provincial social enterprises loan

Construction of a three-storey, 19-unit affordable housing building commenced in February at a symbolic sod turning event at an empty lot at 150 Austin St. N. in Winnipeg's North Point Douglas neighbourhood.

"This is so exciting. We're getting 19 new homes for inner city people," said Sel Burrows, chair of the North Point Douglas Residents Committee.

Austin Family Commons is a "dream," said Burrows, because the project combines both beautiful design with input from the local community.

Manitoba Housing is paying for the construction of the affordable housing units, CBC reported.

At the sod turning event, Minister Saran announced the government has created a new \$10 million fund that will help pay for loans to "employment focused social enterprises."

Construction is expected to be completed in early 2017.

## ONTARIO

### CMPX 2016 sold out



The CMPX (Canadian Mechanical and Plumbing Exposition) 2016 show floor is totally "sold out" to the maximum occupancy allowed by the fire marshall's office, says a show spokesman. The show opens Wednesday March 16 and runs

through March 17 and 18, totally filling the 200,000 sq. ft. Metro Toronto Convention Centre North Building on Front St.

"CMPX . . . has consistently been a sold out show, time after time, filling more than 200,000 sq. ft. of display space, hosting more than 550 exhibiting companies, presenting more than 1,000 separate exhibit booths and attracting more than 13,000 attendees," said show chairman Gerry Cellucci of Yorkland Controls.

"CMPX continues to be the biggest HVACR and plumbing show in Canada and it has achieved an unmatched track record over the past 40 years," he said. "The show theme is, 'one show – the entire industry' and that is a powerful attraction to exhibitors and attendees alike. CMPX has proven to be the most effective way to meet with the entire mechanical industry, all under one roof, for three exciting days of networking, education and new technologies."

The show is jointly presented by The Heating, Refrigeration and Air Conditioning Institute of Canada (HRAI) and the Canadian Institute of Plumbing and Heating (CIPH).

## Ottawa Hospital co-ordinating procurement advisory committee with industry leaders

The Ottawa Hospital is assembling an advisory committee of architectural, engineering and construction community leaders to suggest improvements and changes to prevent a recurrence of the procurement scandal that has resulted in negative publicity for the hospital and civil lawsuits against two former hospital employees.

Names suggested for the committee reportedly include John DeVries, president and general manager of the Ottawa Construction Association (OCA), Robert Merkley of Merkley Supply Ltd., and architect Barry Hobin.

## Earlier story: Ottawa Hospital launches lawsuit alleging construction irregularities

"It is in Cameron Love's 'court' (no tennis pun intended but I like it) to final-

ize and announce," DeVries said. (Love is the hospital's executive vice president and chief operating officer.) "I was involved in putting together a group of leaders and possibly one or two may not (be) on the final group so at this point I can't tell you who I suggested as it may embarrass someone if they are not on the final group."

A hospital spokesperson said in a statement that "last month in a memo to our stakeholders and the community we confirmed that we are enhancing our procurement processes, controls and bidding practices."

"As part of our review, we will consult local industry experts and vendors to ensure even more effective controls and the highest standards of ethical behaviour in our bidding and procurement procedures," the hospital statement said.

Industry sources report that the problems only came to the surface in the past year when a former hospital employee accelerated his acceptance of hospitality and travel gifts from suppliers and contractors. "It was under the radar for many years when he took, say, two trips a year," said the observer. Then, in the final year, his expense paid vacations accelerated to the point that red flags were raised, the observer said.

## QUEBEC

### Expo Grands Travaux in Montreal April 22 and 23

Montreal's Olympic Stadium will play host to tons of heavy iron as the massive Expo Grands Travaux returns this spring.

The show on April 22 and 23 will have more than 300,000 sq. ft. of space. More than 15,000 visitors attended the last show and most of the major industry players are participating, show organizers say in a news release.

Online visitor registration has only been open a short time and registrations are already rolling in, the organizers say.

"With exhibit sales nearly sold out and the influx of preregistered visitors to date, Expo Grands Travaux is shaping up to be a banner event," says a news release.

Expo Grands Travaux allows visitors to connect with hundreds of exhibitors showing off heavy equipment at the forefront of the industry. The lineup will also include a focus on winter manage-

ment equipment, featuring truck and loader mounted plows and snow blowers, salters, sanders, deicers, spreaders, and all the other equipment, products, services, and technology used for moving and removing snow and ice.

Registration is available at the show's website: [www.ExpoGrandsTravaux.ca](http://www.ExpoGrandsTravaux.ca).

## Montreal approves \$100 million to build new Île-Bizard bridge

The City of Montreal's executive committee has approved spending \$100 million to build a new bridge between Île-Bizard and the island of Montreal, the Montreal Gazette reports. The funds will also be used to reinforce the existing Jacques-Bizard Bridge, which is the only road connection to the island.

In October, Montreal Mayor Denis Coderre announced \$21.8 million of the bridge work costs will come from the city's \$1.1 billion three-year capital works budget.

Municipal council must approve the project, and then the city needs to create a preliminary design, which should be completed this summer. Planning, approvals and public consultations, as well as a call for tenders, would happen by 2018, followed by construction in 2018, 2019 and possibly 2020.

The new bridge will be built right next to the existing span, the Gazette reports. Work to reinforce the existing bridge should begin this summer.

Île-Bizard–Ste-Geneviève borough Mayor Normand Marinacci said the existing bridge's final fate hasn't been decided yet. "We would prefer to keep it for emergencies, for the cycling path and for pedestrians," he said. Utilities for Île-Bizard were also installed underneath the bridge, and these would be expensive to move if the existing span was demolished.

The Jacques-Bizard Bridge, built in 1966, has three lanes, a bike lane and a sidewalk. Nearly 30,000 vehicles drive over it every day. The new bridge could have four lanes, "which will have the effect of significantly reducing congestion episodes due to maintenance work or incidents," Lionel Perez, the executive committee member responsible for infrastructure, said in a press release.

## NEW BRUNSWICK

### Saint John councillors celebrate signing of \$216 million contract for new water treatment system

Saint John councillors have celebrated the signing of a \$216 million contract for the design, construction and operation of a new water treatment system by a public-private partnership.

"Welcome to a council meeting that is 230 years in the making," announced Saint John Mayor Mel Norton before reading a lengthy proclamation on the water deal which was promptly approved by council.

Port City Water Partners, a consortium of eight companies led by Brookfield Financial Securities LP, includes Spain's Acciona Aqua, North America Construction, SIMO Management Inc., two engineering and consulting firms: AMEC Foster Wheeler, and Stantec, and two local Irving owned companies: FCC Construction and Gulf Operators.

The project will feature a water treatment plant with a capacity for 75 million litres per day along with the construction or replacement of 20 km of piping.

Norton said he expects the federal and provincial governments to pick up "roughly" 50 per cent of the construction costs, although that has yet to be finalized.

A municipal report released to city council says the final funding agreement with the federal Crown corporation P3 Canada will be concluded "over the next few weeks" based on the eligible costs of the project. The report says the \$216 million price tag is \$40 million less than an estimate in March 2013.

### Fredericton: Proposed Millidgeville development may be expanded

The retail developer behind a pharmacy proposal in Saint John's Millidgeville neighbourhood plans to add more businesses to the site in future.

Plaza Retail REIT of Fredericton has an agreement with the municipality to purchase land at University and Millidge Avenues, CBC has reported.

The fire department currently uses much of the property as a training centre. Plaza Retail has applied to re-designate the land from a residential to a retail

classification to allow the pharmacy construction.

CBC says in 2014 another developer, Cobalt Properties, dropped plans for a larger shopping centre in the same area after strong objections from neighbours who were concerned about potential noise, lighting and traffic.

The current development proposal includes a half acre parcel, also owned by the city, that is covered by a covenant restricting its use to park or green space. That covenant can only be lifted by a private act of the legislature, and a spokesperson for Plaza Retail reaffirmed this week the company intends to apply to have it lifted, a process expected to take as long as a year.

On application documents made public by the city this week, the parcel is labelled "future development."

## NOVA SCOTIA



### Membertou arena, shopping complex construction moves ahead

The Cape Breton First Nation's community of Membertou is expanding its business opportunities with two major projects, one to open this summer and the other in 2018, CBC has reported.

Construction started in the summer of 2015 on a \$19 million sports complex with two NHL sized rinks, a wellness centre and a walking track.

"Right now, the roof is being completed and the fitness centre is under construction and the interior is well under way," Membertou senior adviser Dan Christmas told CBC. "We're hoping to open in late June early July, and begin commissioning the ice sometime in the month of July."

Christmas said preliminary construction will start this summer on a major retail complex, Churchill Crossing, with a mix of big box stores, smaller retailers and other facilities. Road access to the location is already complete.

### Greater Halifax Partnership reports mixed data on Halifax construction market

The Conference Board of Canada is projecting a Gross Domestic Product growth of three per cent in GDP for Halifax in 2016 following on the heels of a positive year for the municipality's economy, according to the quarterly economic report released by the Greater Halifax Partnership.

The report says housing starts increased by 57 per cent as of November 2015, compared to the same period in 2014, driven by historic levels of multi-unit construction.

From January to November, construction began on 2,000 apartment style units, the third highest year on record.

However, construction of single unit housing continued its multiyear slide falling 20 per cent to the end of November compared to the same period in 2014.

On the non-residential side, the annual value of construction grew 21 per cent in 2015. Growth was driven in particular by commercial projects such as the Nova Centre and expansions at Dartmouth Crossing. Strength in the construction sector is expected to continue in 2016.

### PRINCE EDWARD ISLAND

#### Summerside Inspire Learning Centre construction underway

Work has started on Summerside's new Inspire Learning Centre, a three-storey building to replace the current library and double its scale.

The renovations for the project at the former downtown post office include a new elevator and energy efficiency upgrades.

The facility will include a library, multipurpose meeting rooms, work stations and community space for business and entrepreneurial development and lifelong learning.

The Rotary Club of Summerside is raising \$2 million for the project, which has received an \$800,000 grant from the Atlantic Canada Opportunities Agency (ACOA).

### NEWFOUNDLAND AND LABRADOR



#### NLCA Outlook

The Newfoundland and Labrador Construction Association (NLCA) expressed a positive outlook at the start of its annual conference in Corner Brook, despite tough financial times in the province. "There's challenges, but we see it as being positive and moving forward," NLCA chair Ed LeGrow told CBC News. "We've been through turbulent waters before, and I'm sure we can maintain our status quo."

LeGrow says the association is growing with close to 700 members and the conference was a sold out event.

There is concern however, about the construction delay of the Corner Brook hospital.

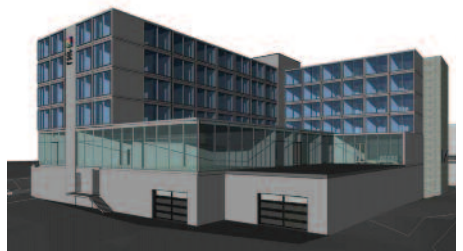
"We all know we have been waiting on the hospital. It is very important," Sandy Murphy, the NLCA's western director, was quoted as saying. "We also know right now it's up in the air while the

government restructures. We are very anxiously waiting as a construction industry to see what the result will be."

The hospital delay also has resulted in a slowdown in new housing construction in Corner Brook, as new developments hinge on that project.

LeGrow says overall the construction industry is still humming along. "We're still coming off a lot of larger projects and there are new projects on the horizon. It's just a matter of setting priorities with the money that's available," he said.

#### Construction starts at new Alt Hotel in downtown St. John's after historic vault removed



Construction has started for the new Alt Hotel in downtown St. John's with the removal of one of the city's last historical vaults.

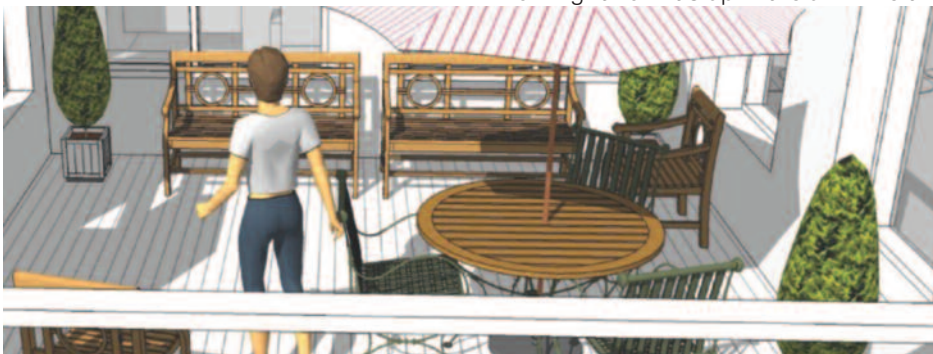
CBC reports that the brick and stone vault, on the grounds of the Marshall Brothers cellar (from the 1800s), was the only remaining structure on the site that once housed a warehouse, post office and the former Marshall Brothers store.

Montreal based Groupe Germaine will now start building the hotel on the corner of Water St. and Job's Cove near the east end of Harbour Dr.

The four-storey, 148-room hotel should be completed in 2017.

The company said in a statement it plans to move ahead with "respectful architectural planning" to ensure the outline of the former cellar "will be incorporated into the hotel's exterior landscaping and paving making it a celebrated feature and effectively allowing the old and the new to coexist in harmony."

In addition, the hotel will include a "feature wall" to display materials excavated from the cellar, as well as historical pictures and text.



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## Ontario architect Allan Teramura leads RAIC

Allan Teramura, an Ottawa architect advocating for healthy and sustainable Aboriginal communities, has been named as the 77th president of the Royal Architectural Institute of Canada (RAIC) at a formal ceremony in January.



The national organization has about 5,000 members.

About 120 guests attended the Jan. 15 investiture ceremony at the Wabano Centre for Aboriginal Health in Ottawa. Award winning Canadian author Joseph Boyden delivered the keynote address.

Guests included RAIC members, the RAIC board of directors, representatives from Parliament Hill, government departments and First Nations' communities, as well as allied professionals with an interest in the built environment.

"As architects, I think we would all agree that losing traditional building crafts and knowledge of ways of organizing physical space can be as corrosive to a society as the loss of a spoken language," Teramura said in his investiture speech.

"The built environment in Indigenous communities tends to be discussed in terms of housing issues, but in my view the problem is compounded by the absence of cultural identity, and this is seldom discussed," he said.

"At a time when talk of reconciliation is growing, our profession is in a position to – and, therefore, is obligated to – look at ways to help address injustices, not by imposing our ideas, but by listening and promoting the professional competencies that already exist in Indigenous communities."

Teramura sees similarities between

the living conditions on reserves to the internment camps where Japanese-Canadians, including his grandparents and parents, were forcibly placed during the Second World War.

"They are a technological solution for housing, not intended to be permanent. You realize you're dealing with something that is not a normal community, but a camp. A camp is a settlement with no future by definition."

Teramura received the President's Medal from the 2015 president Samuel Oghale Oboh of Edmonton. During his tenure, Oboh was instrumental in the signing of agreements between the RAIC and several international architectural associations, as well as many of the Canadian architectural regulatory bodies. He also represented Canada at the COP21 Conference in Paris where he brought the RAIC's voice to the global discussion of climate change.

"Architects are well positioned to assist Canada to achieve its targets in terms of greenhouse gas emissions," says Teramura of continuing Oboh's work on this key issue. "The building sector is ready and able to do its part."

### About Allan Teramura

Born and raised in Winnipeg, Teramura wonders if he ever considered an alternative profession to architecture; his father was in construction, and his older brother is also an architect. He studied at the University of Manitoba where he earned a Bachelor of Environmental Studies degree and received the University Gold Medal.

Subsequently, he attended the Carleton University School of Architecture, graduating in 1990 with a Degree with High Distinction. He was also the recipient of the Research Thesis Prize and the RAIC Student Medal for highest overall academic standing.

Teramura went on to work as an intern architect with the award winning Vancouver firms of Patkau Architects and Henriquez Partners, and later in Ottawa with Brisbin Brook Beynon Architects and GRC Architects.

In 2001, he joined Watson MacEwen Architects as an associate and joined the RAIC the next year. In 2009, he became a partner and Watson MacEwen Teramura Architects was established.

His recent projects include the restoration of the Tropical Greenhouse at

the Central Experimental Farm in Ottawa, conservation work at the Amherst and Halifax armories, ongoing work on Centre Block on Parliament Hill, as well as various strategic planning studies in the Parliamentary Precinct.

From 2011 to 2015, Allan served as the RAIC regional director for Ontario East, North, and Nunavut. He has volunteered as a member of the City of Ottawa's Local Architectural Conservation Advisory Committee and sat on the board of the Ottawa Region Chapter of the Canada Green Building Council.

He is a member of UNESCO's International Council on Monuments and Sites. In 2015, Teramura was the RAIC's lead representative on an application for a legal injunction to halt the construction of the proposed Memorial to Victims of Communism in the Judicial Precinct of Ottawa.

## CFBA acclaims Dan Reymer, Bart Kanters for second year

The Canadian Farm Builders Association (CFBA) has acclaimed president Dan Reymer and vice president Bart Kanters for their second year in office.

In a statement, the association said the two leaders were greeted warmly by the board at its annual general meeting and conference on Jan. 29 in Stratford.

"As a founding CFBA member, it is very gratifying to see two outstanding individuals like Dan and Bart commit their time and talents to our association," said director Gary van Boldersen. "The CFBA is in very good hands with their unselfish leadership."

The CFBA represents numerous stakeholders within the agricultural and farm building communities and works to promote and advance the construction and standards of Canadian farm buildings.

## Paul Brydges first landscape architect as Landscape Ontario president

Paul Brydges became the first practicing landscape architect to hold the position of president of Landscape Ontario





(LO), officially beginning his two-year mandate at the horticultural association's annual general meeting Jan. 13.

A graduate of the University of Guelph's landscape architect program in 1994, Brydges serves as the principal and senior architect at Brydges Landscape Architecture in Guelph.



The theme of his tenure will be "drawn together," which Brydges says illustrates the importance of collaboration amongst LO members for the betterment of the profession.

"The daily driving force and message in our design office are that of teamwork and relationships," Brydges wrote in the January issue of LO magazine. "As landscape architects, our biggest role is and should be that of a coach. We listen to our clients' needs, wants and wishes and blend the realistic with the fantastic. This is the same platform that LO is built upon in so many respects."

"Our biggest hurdle in achieving and maintaining our modern landscape is to overcome the shortage of qualified team members and also the perception of our profession as mowers of lawns and

shovellers of snow; those days are generations gone," he said. "If we can look at ourselves in the proper light and realize through education and years of on the job training that we are professionals, we can change our market perception. That is how we are going to bring young profes-

sionals into the profession, as well as interest students to move into programs that will qualify them for the careers."

Brydges was elected by the LO provincial board of directors last fall after serving in a variety of roles on the board, including most recently as its second vice president after stints as the design sector representative and as a volunteer with the LO Canada Blooms garden design team.

LO executive director Tony DiGiovanni said in a news release: "President Paul has a powerful and profound message that provides clarity about how our sector enhances lives by what we do and who we are. He wants to remind all of us that we are much more than an industry; we are a profession. Together we contribute to making the world a better

place. Landscape Ontario looks forward to helping Paul communicate this message internally and externally. Paul is also the first practicing landscape architect at the helm of our organization. It reminds us that all sectors in our wonderful profession are interrelated and interdependent. Our profession is better together."

The Landscape Ontario 2016 provincial board includes: Paul Brydges, president; Warren Patterson, first vice president; David Wright, second vice president; Dave Braun, past president; Lindsay Nightingale, treasurer; Gerwin Bouman, growers; Mark Humphries, snow and ice; Steve Macartney, irrigation; Brian Marsh, grounds; Alan White, lawn care; Peter Guinane, contractors; Michael Van Dongen, garden centre; Stephen Schell, interior; James Solecki, lighting; Blake Tubby, member at large; Gregg Salivan, member at large; Michael Pascoe, London chapter; Brian Baun, Durham chapter; Thomas Blatter, Waterloo chapter; Donald Tellier, Windsor chapter; Chris Burns, Ottawa chapter; Margot Burns, Georgian Lakelands chapter; Terry Childs, Upper Canada chapter; and Tim Cruickshanks, Golden Horse-shoe chapter.

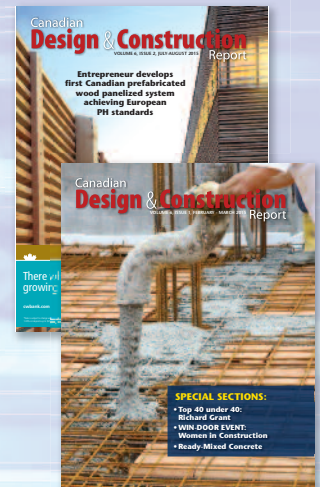
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Canadian  
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Report

# NASCC: The Steel Conference in Orlando April 13 to 15

## Networking and education about steel construction concepts, techniques and products

*Canadian Design and Construction Report*

The annual North American Steel Construction Conference (NASCC) in Orlando from April 13 to 15 will attract thousands of visitors and more than 200 exhibitors to learn about the latest steel construction concepts, techniques and products.

"The planning committee spends a lot of time not just determining topics but also selecting the top experts to speak," said Scott Melnick, vice president of the American Institute of Steel Construction (AISC), which sponsors the event. "Our sessions range from highly technical subjects – such as a discussion of stiffness reduction within the direct analysis method for composite design – to business

topics, such as staff retention in construction employment. We offer more than 125 sessions."

Melnick says the event provides powerful networking opportunities. Last year's conference attracted a record breaking 4,582 attendees involved in the design and construction of steel buildings and bridges. "It's the perfect place to talk with structural engineers, steel fabricators, steel detailers and erectors," he said. "We're even starting to get some general contractors and architects."

Exhibitors will demonstrate "everything from bolts to structural engineering software," he said.

"If you're a steel fabricator, the steel conference is better than a candy store. All of the major equipment suppliers are there and they all have their big machinery up and run-





ning. You can walk the show and compare machines and really get a feel for what you might next want to purchase for your shop. Likewise, structural engineers and detailers can talk with and see demos of the major software offerings.”

Melnick suggested three “must attend” programs and activities at the conference:

### David Zweig

“This year’s general session features David Zweig, author of *Invincibles*,” he said. “In addition to being a great speaker, his topic should really resonate with our attendees, especially the structural engineers.”

### The conference dinner

The conference dinner is always a highlight, Melnick said. “This year we’re expecting a fantastic evening and we’re renting out three adjacent venues including a Blues club, a country music venue and a piano bar. There’ll be great food, great entertainment and 1,500 of your closest friends to talk to.”

### The most powerful session

“If I had to pick one session to attend, I’d go with ‘Lessons I wish I had known starting out: The engineer edition’. This fast paced 90-minute session features five top engineers each presenting for eight minutes and then a rollicking question and answer session. We offered a similar session last year and it was standing room only.”

This year, the Steel Conference is co-located with the World Steel Bridge Symposium, offering 21 sessions specifically for bridge designers and highway officials. Sessions range from “Accelerated Bridge Construction” to “Advanced Analysis Techniques for Design and Erection.” The conference also incorporates the Structural Stability Research Council’s Annual Stability Conference.

For information about conference registration and the event program, visit [www.aisc.org/nascc](http://www.aisc.org/nascc).



# What is the Dowco Group?

Dowco Consultants Ltd.

SDE Steel Detailing and Consulting Services Philippines Inc.

RISA Technologies Private Ltd.

## A LEADING STRUCTURAL STEEL DETAILING ORGANIZATION

Dowco has been providing steel detailing and consulting services since its inception in 1970. During this period the company has grown from a modest three-person outfit to one spanning five locations across three countries, with 250+ employees and growing.

## CULTURE OF INNOVATION AND COLLABORATION

Dowco's cultural heritage is one where pursuit of innovative technologies has realized close relationships with our clients and provided the highest value possible for each project. Above all else, Dowco is dedicated to developing and maintaining integrity and trust between its clients and throughout the industry.

We strive to provide all our clients with solutions to ensure each and every project is delivered on time and within budget. As part of your team we offer our expertise and organizational capabilities to overcome any challenges, making your experience with us as efficient and professional as possible.

## OUR GLOBAL PRODUCTION TEAM

Utilizing the latest in collaborative technologies we bring each of our locations together acting as one cooperative and cohesive unit. This facilitates the allocation of specialized people, at the right time, no matter the location. Our current technologies and processes are such that scaling a project to meet schedules can be achieved quickly and efficiently.

*Some Say It Can't Be Done - We Think Different*

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Virtual Model Coordination & Management - Online Industry Certified Training - Expert

# Dowco reaches for the future with digital speed steel detailing

## International business builds on North American knowledge, experience



*Canadian Design and Construction Report staff writer*

The steel construction detailing business is experiencing a global revolution, and the changes have both increased the service delivery speed and integration potential for owners, designers, contractors and fabricators, says Brian Pyper, executive vice president of Dowco Consultants Ltd.

"Clients know we've been in the business for decades," he said from the company's head office in suburban Vancouver, B.C. "There's a good reason for Dowco's longevity. We have highly skilled people utilizing the latest technologies and processes to increase the ability to communicate and collaborate effectively and efficiently with clients."

Pyper remembers the days just a quarter century ago when detailers worked with drafting tables, paper and slide rules.

No one then could have predicted the industry today – a globalized business with hundreds of employees onshore and offshore working simultaneously in a globally integrated virtual environment, leading to comprehensive and extremely responsive details and instructions that support both Building Information Modeling (BIM) and efficient steel fabrication.

Today, we take what would have been the two-dimensional model on paper, and convert it into a virtual model in the three-dimensional environment. And there's lots of talk about the multiple dimensions of cost, and schedule that incorporates the 3D structural model into the entire project cycle from earliest design to the actual building operations."

Structural detailers have always been important for the steel industry. The process of turning high level conceptual designs from architects and engineered design drawings and specifications into workable shop and construction drawings to generate the actual structural components requires specialized talents and skills, such skills that can only be acquired through time and experience.

The importance of effective detailing cannot be understated, Pyper says. High quality detailing ensures efficient fabrication practices and constructability minimizes potential design and construction conflicts. This of course saves significant time and money during the higher labour intensive areas such as fabrication and construction.

"A detailer must understand every phase each component takes through the life cycle of a project, from the early design drawings through the late stages of project comple-

tion and beyond. The detailer needs to know whether each assembly and its components can be fabricated, and whether the bolts and welds specified are sufficient, if and how the steel can be shipped, and/ or whether members clash on site, and/or whether the steel will be architecturally exposed. These and many more questions must be answered by the steel detailer to ensure the project passes from concept to reality in the most economical method for the client.”

The detailing business evolved in the middle part of the last decade, when (with the Internet) offshore businesses began entering the world market, with lower labour costs. Dowco initially responded by working with some offshore contractors. Pyper says however, the company decided the best approach would be to actually own and run its own offshore production operations directly.



Today, Dowco has offices in India and the Philippines, but unlike its offshore competitors, it also maintains a substantial employment base at its offices in the Vancouver and Toronto areas.

“We have North American knowledge and experience you can only get through time,” Pyper says. “You cannot gain this experience in books or through online courses. In our industry it is all about having the years in business in experience and skills.”

Accordingly, Dowco has some 90 employees in Canada. Meanwhile, its offshore labour force helps the company remain competitive on pricing – and because Dowco pays better wages than the offshore norm, it attracts the best talent everywhere in the world.

This has spurred rapid growth for Dowco.

“About 18 months ago, we were at 100 people, by the end of the year, we had 220 and by the end of this year, we will have 300 employees,” Pyper said. “Through organic growth and planned strategic acquisitions we’re looking at, we want to be as big as some of our large Chinese and Indian competitors.”

This workforce size expansion has been coupled with rapidly improving technology. Files can now be worked on collaboratively in real-time, avoiding delays and potential errors. The offshore and Canadian labour force combination enables Dowco to offer 24-hour service, and exceptionally rapid turnaround for fabricators. With enough depth and scale in its labour, it can also take on the largest projects without stress.

The future includes more BIM integration and co-ordination, while continuing the North American steel detailing trade. “We’re trying to keep to our vision to continuously promote structural steel detailing in North America,” he said.

Technology will continue to evolve to be better and faster as the digital revolution continues. “We’re working to develop a global business with a unique multinational culture, based on the concept that when the work gets done, it gets done right, and on time.”

For more information, see [www.dowco.com](http://www.dowco.com).

# Greenbrook delivers speed, quality and economical detailing for steel fabricators and contractors

*Canadian Design and Construction Report special feature*

Greenbrook Engineering Services has achieved enviable results in delivering high quality, rapid, and competitive detailing and BIM coordination for steel fabricators and contractors.

"Detailing has finally been viewed as a critical piece of work in the construction value chain, rather than as something you have to live with," says Greenbrook president Murli Balu.

"Before it was a paper and fax based technology, with printed documents," he said. "Now there are various software tools that can provide the same results, and using the Internet as a means of communication, it is a lot faster and more economical."

Greenbrook fits well into this model. Most of the company's skilled employees work from a delivery center in Bangalore, India, but Balu and other key technical representatives are based much closer to their clients (Greenbrook's office is in Middlesex, NJ.)

The technology has sped up service – tasks that could take days now can be completed in minutes – and reduced costs. (Balu says Greenbrook has been able to reduce its

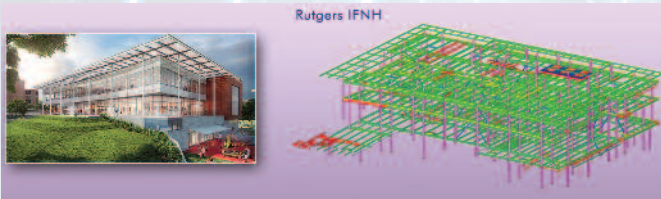


fees by about 18 to 20 per cent over the past six years.)

"Our competitive advantage is we've got greater access to talent and cost savings," he said

As for the future, "we are moving more and more into a virtual construction environment to ensure that field fit and jobsite co-ordination among various trades is extremely smooth."

For more information about Greenbrook, see [www.greenbrookengineering.com](http://www.greenbrookengineering.com).



GREENBROOK Engineering Services is a professionally managed company promoted by people who have pioneered Knowledge Processing Outsourcing in the construction industry. We are a steadily growing company serving the entire construction value chain. We provide Architectural Drafting, Walk-throughs, Material Take-offs, Connection Design, 3D Modeling, Building Information Modeling (BIM), Steel Detailing and Offshore Derrick Modeling. Our customers include Architects, Structural and Mechanical Engineers, Steel Fabricators, Offshore Derrick Suppliers and Design Build Firms.

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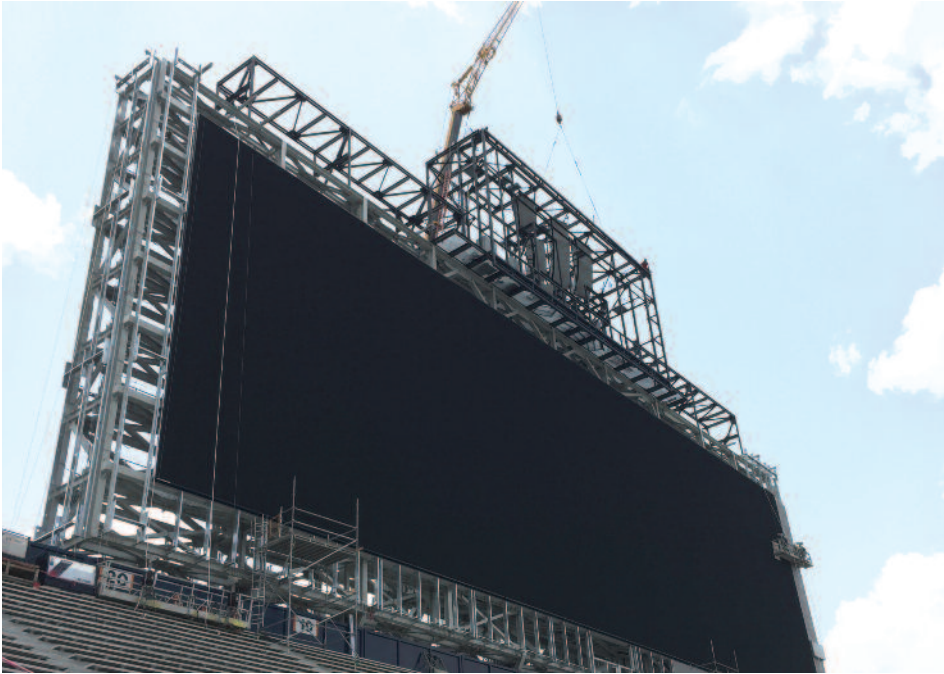
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## TECHFLOW:

# Achieving detailing success through strength, experience and technology



### *Canadian Design and Construction Report special feature*

Techflow Inc. has achieved success in steel detailing through its strength, expertise and technology, says Birmingham, Alabama based executive vice president Joel Hicks.

"Strength is in the numbers – we have more than 350 detailers in five offices in India along with our U.S. office in Trussville, AL (a suburb of Birmingham)," Hicks says.

"Our detailers go through rigorous

training, continuing education and certification and are backed by experienced team leaders and managers in India and our project and management support staff in the U.S."

Hicks is president of the National Institute of Steel Detailing (NISD) and says he has been working with other organizations to develop new training tools for BIM certification and detailer training to improve the industry.

He says that over the past few years, the industry has shifted to an environment where many fabricators are using



overseas detailers. "There is a need for the manpower and lower labour costs, but this has its inherent challenges of communication barriers, non-familiarity with U.S. and AISC standards, as well as time differences. Our business model alleviates these challenges and allows for better communication with fewer problems and faster turn around, while still taking advantage of the lower prices."

"Our U.S. office handles all customer contact and job setup and management to ensure adherence to customer and industry standards," Hicks said. "We are always on call for our clients, with a high level of experience both in our overseas offices and here."

"Our project managers average well over 20 years experience in detailing and engineering. We utilize the latest technology on the leading software platforms with dedicated crews using Tekla Structures, SDS/2 and BoCad." The business has achieved NISD certification and actively participates in AISC and ISD committee work and programs.

Hicks says Techflow also contributes effectively in new work flows, including Building Information Modeling and Integrated Project Delivery (IPD). "We are working to revolutionize the way projects are done," he said. "We can work with the design team during the design phase and develop the detailing model integrated with the design model. This eliminates any of the issues that come up when the detailing is done as a follow-on trade."







Techflow, Inc. & Techflow Engineers (I) Pvt. Ltd. has emerged as a global leader in steel detailing. We have been breaking the boundaries of geographical limits and developing at lightening speed. Building upon our deep roots in India (Navi Mumbai), we have stretched across the globe establishing our offices in the U.S. in order to better serve the U.S. market, giving a much needed manpower boost to the steel fabrication industry.

Our commitment to quality has provided a high level of trust with our clients. Worldwide, our customers believe in us and have entrusted Techflow with detailing their most challenging and complex steel structures. They depend on Techflow to stand up to the challenges of maintaining their expectations for quality and adherence to industry and client specific standards. Through this trust and execution we have strengthened our business base and customer relations to a new level.

Our project list includes some of the most recognized and notable structures, some of which required a unique approach to the job, utilizing the latest technology and workflows while maintaining a time honored approach to quality. For all your steel detailing and coordination, BIM management, estimating and consulting needs, whether for the commercial, industrial or sports and entertainment markets, you can depend on Techflow.



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# BC Ready-Mixed Concrete Association to become Concrete BC as association implements game changing initiatives



*Canadian Design and Construction Report staff writer*

The BC Ready-Mixed Concrete Association (BCRMCA) works to be active and proactive, taking on game changing initiatives at provincial, national and international levels.

One of the biggest outward changes the association is implementing in 2016 will be a name change, reflecting something being undertaken by several other regional ready-mixed associations as well. The association will be rebranded as Concrete BC.

BCRMCA president Charles Kelly says the move will provide clarity and represents the ready-mixed associations' broader voice.

"Our membership isn't just ready-mixed concrete any more but includes cement companies, ICF manufacturers, suppliers and pump organizations for instance," Kelly says. "The name changes you'll see will bring in the word concrete to make who we are and what we're representing much clearer."

Kelly, like many now who have similar responsibilities across the country, does not come from an industry background. He says this is a critical change many associations are embracing. "The previous leaders of associations came from the technical side, which at the time made sense. Today though, the work of the association is about marketing challenges, it is about advocacy and government relations. That means a new perspective and a different skill set is required."

These marketing challenges will be addressed with the coming name change. Other efforts already underway include a Concrete Council of Canada seminar series called Material Selection Matters. "These sessions were led by Dr. John Straube, a PhD in structural engineering, widely regarded as a building science guru."

Kelly says Straube, who is considered material neutral, looked at a range of materials in the seminars, examining their strengths and weakness and how they work together. "Really, you can't build anything without concrete, wood and steel in some combination and that's what needs to be understood."

Another initiative is the concrete pump competency project. Kelly says industry consultations revealed that 100 per cent of members felt the status quo of no requirement to test for pump operator competency was not sustainable and 80 per cent viewed a need to regulate certification. The initiative began with the development of high competency standards and a set of assessment tools to measure this.

Kelly says the written test and safety training manual have been updated and 23 pilot projects have been completed with the new assessment tools. The next stage will be building a business case to look at the best way to roll out the program. "I'll be presenting this before the Canadian Ready Mixed Concrete Association (CRMCA) in May and we hope to have something formal in place later this year."

In identifying and supporting what Kelly calls widespread challenges, BCMCA takes a regional approach that is also international. "I participate in NRMCA (U.S. based National Ready Mixed Concrete Association) and work closely with the Portland Cement Association."

He says he also collaborates closely with colleagues in Washington and Oregon, using memberships in each other's associations and joint meetings to identify issues specific to common geography beyond political borders.

"We also participate, with our colleagues in Alberta, in PNWER (Pacific North West Economic Region). This year, with the Cement Association of Canada standing as a platinum sponsor at the PNWER Summit in Calgary in July, we'll have the opportunity to advance education through

sessions on concrete related issues including resilience and sustainability." Next year the summit will be in Portland, Oregon.

He says it is important for the industry to develop regionally coherent messages and that, working with partners in both the U.S. and Canada, these messages and marketing strategies will be more effectively developed.

Also this year BCMCA has launched, with the CRMCA, a national partnership to establish Environmental Product Declarations (EPDs) for Canadian ready mixed manufactures. The project will be completed before October 2016, when LEEDv4 is implemented.

For more information on BCMCA (soon to be Concrete BC) and its activities, visit <http://www.bcrmca.ca>.



# Alberta Ready-Mixed Concrete Association leads industry initiatives in safety, quality and opportunity building



## *Canadian Design and Construction Report special feature*

Representing more than 93 per cent of the concrete producers in Alberta, the Alberta Ready-Mixed Concrete Association (ARMCA) is supported by producer, associate and affiliate members as the industry's provincial voice. The association has been advocating for the industry for more than 50 years.

Executive director Robin Bobocel has been travelling throughout the province since his appointment last April, learning about members' needs and concerns, and their pride. "Across the board I am hearing about dedication to quality and the pride at the basis of this industry."

For instance, he says he has heard evidence of the industry stepping up to self-police, ensuring everyone is operating as they should. "When an accident occurs related to the industry, the first thing I hear from my members is: 'Is everyone okay,' and then,



**Robin Bobocel**

"What can we do to make sure that doesn't happen again," he said. "Safety and co-operation aren't just buzzwords in our industry, they're core principles for how we operate."

He says there is a widespread understanding that the industry is stronger in unity and that if one leg falters, everyone suffers. "You must appreciate this is a capital intensive industry. Between fixed and long-term assets, people who are in the business are in for the long haul so it isn't just about a storefront closing if there are problems."

Bobocel has also received a members' mandate to increase awareness of concrete's sustainability, resiliency and flexibility. "Concrete is everywhere and involved in virtually every project in one form or another. However, it is a component that is easily overlooked," he said.

This ties in well to Bobocel's other mandate. With his background as a lobbyist, the association's board of directors has instructed him to become more active in public policy.



Among the challenges already identified is the quality of finishing work impacting the final product quality. "We'll be looking at raising the skill level of finishers through a certified concrete finishing program that in the end, will benefit the consumer and project owner."

Excited by the new federal and provincial governments and their commitments to infrastructure spending and sustainability, Bobocel will also use his lobbying skills here. "Sustainability is at the forefront of the provincial government agenda and we are ready to go to the table with answers and solutions."

With respect to the federal government's promised infrastructure spending he says, realistically, he has no idea what or how much might be directed to Alberta. However, knowing that concrete is involved in virtually every project to some degree, he is confident this investment will benefit the industry.

Other efforts will be made to extend and expand partnerships with other ready mixed associations across the country. "We'll also look outside our own interests to groups like the Canadian Home Builders' Association. By building alliances we leverage resources including knowledge and best practices, making us all better and stronger."

These alliances are not limited to Canada. Bobocel participates in the Pacific Northwest Economic Region (PNWER) with public and private representatives from Alaska, Idaho, Oregon, Montana, Washington, B.C., Alberta, Saskatchewan, the Yukon and the Northwest Territories.

Bobocel says this year's PNWER summit in Calgary in July will provide an opportunity to present a Concrete 101 outline and share with participants concrete's story of resilience and sustainability. "This year we'll begin the engagement, hopefully raising the bar in knowledge and technical language to start and then we can grow from there."

Bobocel says the industry as a whole is committed to safety and quality; both of which require skilled labour. "From the batch mixing person to the driver delivering the product, there needs to be skill and a commitment to safety."

He says the industry prefers to be proactive, creating its own initiatives for the environment and sustainability for instance. That same principle applies to safety as the industry begins its efforts towards a pump safety certification pro-

gram. "There aren't a lot of restrictions or conditions now on who can operate these pumps and they're heavy and potentially dangerous pieces of equipment if not operated properly."

At the association's annual general meeting in May, he says members can expect to hear some exciting announcements about changes to the organization and a new direction and strategic plan. This, he says, has been part of his effort to meet with and hear from members. "As the association changes and evolves, it is important to have the members engaged, to know our strengths and weaknesses so we can make changes that will benefit us all."

For more information about ARMCA, visit [www.armca.ca](http://www.armca.ca).



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# Born in hard times, open shop movement association has thrived through effective advocacy and solid benefits and services



*Canadian Design and Construction Report staff writer*

Merit Alberta's success and history reflects the progress and achievements of the open shop labour movement.

The association has more than 1,450 members who have lived through the province's boom and bust resource cycles. Today's economic conditions are not great – yet Merit Alberta's history traces back to even more challenging times in 1985, when 15 contractors met to consider their futures.

“Construction was pretty well at a standstill and any work going on was being built union free,” the Merit Alberta website reports. “Workers had few benefits, wages were low and profit margins were non-existent. It was time for companies to focus on the needs of their workers.”

“From that dilemma, the idea of an industry-wide, portable benefit plan for open shop workers was born and, not long afterward, an organization to run it and, in time, to expand to other areas,” said Line Porfon, vice president of government relations. “Today there are more than 60,000 people enrolled in the benefit programs.”

Indeed, Merit Alberta’s benefits represents one of its biggest advantages. The hour bank program allows life insurance, disability, health, dental and other benefits to be transferred between businesses (and outside of Alberta through the national program), providing individual workers and their families resources and services formerly only available in the unionized sector. These benefits are supplemented by additional programs for office and supervisory workers, and there are optional retirement and discount savings opportunities as well.

The hour bank benefit plan, developed in Alberta to accommodate the transient nature of construction employees between companies, is now offered in other provinces. The program has conferred a significant advantage to Merit Alberta members and may be of special value in the current economy, where some members will need to leave the province to find employment.

The hour bank’s portability enables workers to “depend on their benefit coverage continuing uninterrupted as they followed available work from region to region,” the association says.

Merit Alberta has also taken a leadership in skills training with financial support for local school districts introducing construction trades exposure programs. Merit also offers post secondary and apprenticeship scholarships for the children of members, as well as tuition reimbursement programs for apprenticeship courses.

As well, the association co-ordinates training programs for workers and employers on topics such as scaffolding, leadership development for supervisors, rigging and hoisting and project management.

The benefits services creates a pragmatic advantage for Merit Alberta membership as individual businesses could not hope to create the same benefits level and portability if they tried to emulate these services themselves – but there are deeper values behind the association.

“Of the original small group, about two-thirds could have been described as philosophically committed to open shop and the others were more pragmatic,” says president Malcolm B. Kirkland. “The philosophical group was, for many

years, the mainstay of the association and probably it was largely due to their commitment that the group continued beyond the first year.”

Historically, the construction industry was highly unionized. Half a century ago, upwards of 75 per cent of construction throughout Canada and the U.S. was completed by workers affiliated with building trade unions. “The union sector offered a highly skilled and efficient workforce at competitive market rates. Building unions were considered the only option, especially if large workforces needed to be in place over short time periods and in particular for industrial construction,” Kirkland said.

“However, massive changes occurred in the industry beginning in the late ‘50s and early ‘60s in the USA and the late ‘70s and early ‘80s in Canada,” he says. “These changes were in part a response to escalating costs of building union and excessive work disruptions and jurisdictional disputes. The transition was made easier through increased management skills and growing capacity of open shop firms. The changes in some areas have been gradual yet in provinces like Alberta, they occurred virtually overnight.”

“Open shop member companies and their employees are some of the most productive and safe in the construction industry,” Kirkland said.

Porfon says current Merit Alberta priorities focus on its member firms and their employees in six core areas including:

- **Government relations:** To influence factors affecting the Alberta construction industry with government and regulatory agencies;
- **Employee relations services:** Expert industry advisory services on legislative, regulatory and policy frameworks, including communicating industry issues and trends;
- **The extensive group benefits services;**
- **Workforce development:** Helping construction workers to acquire the skills they need in a variety of areas including apprenticeship training, skills upgrading and supervisory training.
- **Stakeholder community engagement:** Collaborating with industry partners on initiatives and projects reflecting the industry’s current and future needs;
- **Affinity programs:** Developing access to a suite of services that add value to member companies and employees.

For more information, see <https://www.meritalberta.com>.

# Calgary based McIntyre Crane & Rigging Ltd. provides personalized service and responsiveness



*Canadian Design and Construction Report special feature*

Calgary based McIntyre Crane & Rigging Ltd. offers a full range of equipment and services to meet clients' demands. As a smaller, open shop contractor, the company provides personalized service.

Dallas McIntyre, company founder and president, says that with time, McIntyre has added equipment that "allows us to be a bit better at dealing with all our clients' needs. We can now transport larger loads as well as set bigger loads or higher and further away with our 100 tonne crane."

While there are larger companies who offer similar services, McIntyre says the clients he deals with appreciate a more personal service level. He says they also understand that safety, quality and commitment reflect individuals, not the company size. "Our commitment is to treat people the way we want to be treated, to find solutions and then get the work done and to do what we say we are going to do."

McIntyre employs 10 and all of his clients have direct access to him directly. "My card has my personal cell phone number on it and I can be reached on it 24/7. Dealing this directly clients are never caught up in red tape or finding the right person to speak with."

He says he and his staff all do the best job they can and says they hold themselves accountable. While the company must have policies and procedures in place to protect clients, employees, and the general public, he says staff are given the authority to treat each client as an individual and each job or project as its own.

This does not mean the company lacks expertise or experience in creating its policies and procedures. Rather, McIntyre says his company has built its safety manuals, not only from its own operating procedures but also off of the policies of larger companies McIntyre works for. "This gives us the advantage of all the best of the best policies, procedures and practices to incorporate into our safety culture."



His clients, he says, also appreciate dealing with a local company because they know profits stay local and are reinvested locally also. "This is key to the strength of our own economy. Many large corporations take their profits out of the province or country."

He says all of this relates to the customer centric focus often found in smaller companies who work harder to impress clients and keep them coming back.

McIntyre's clients include HVAC companies, commercial roofing businesses and others who work with powerlines and communication towers. "We also load out for transport companies. We are really quite diverse; we go anywhere and can tackle almost anything. You name it and we have been there."



He says, for instance, the company will take on projects in transporting and industrial moving. This may include craning a unit onto a truck trailer, delivering it to the site, offloading it and then moving it inside a building into a specified location for a fixed cost. "Over the years I have moved many fun items including 200-year old fireplaces, crematoriums and such."

McIntyre Crane & Rigging has a variety of equipment for sale or rent including skidsteers, spreaders, gravel buckets, rigging and outrigger mats. It can provide industrial moving and man basket services and has worked across the province.

For more information, visit <http://www.mcintyrecrane.ca>.



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WOMEN BUILDING FUTURES

# Laying the foundation for women in construction





ALL PHOTOS COURTESY OF WOMEN BUILDING FUTURES

*Canadian Design and Construction Report special feature*

Established in 1998, Alberta based Women Building Futures (WBF) is a leading force in initiatives to recruit, train and retain women in construction trades and occupations.

WBF CEO JudyLynn Archer, says the skilled trades shortage is real, it is coming and it will present a significant challenge for the Canadian economy. She says the challenge though is not just getting people into these positions, but doing so in a way that educates individuals about what is involved and then preparing and supporting them to stay.

Over the past decade, she says WBF has seen a huge turnaround in women's participation in construction, in part be-

cause of awareness of the looming shortage, and in part because organizations have decided to invest more in developing Canada's local workforce, specifically, women. Companies such as Mammoet, Suncor, TransCanada as well as labour organizations such as CLAC and the Building Trades of Alberta have recognized the value in hiring WBF graduates and have partnered with WBF to position their organizations as 'WBF Employers of Choice.'

Despite this progress, she says the trades are not spoken of enough in the context of women, and still it is a conversation not had early enough with girls. That early introduction, as well as supporting women's decisions along the way, is crucial.

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"The key challenges around getting women into the skilled trades are very similar, in many ways, to anyone entering any career for the first time – you do not know what to expect, you do not know the rules of the road, the norms, the culture, the job expectations, you may not understand or have the necessary skills and competencies, and you likely don't know the protocols for communication."

"The same is true of any industry that is predominantly one gender because its culture may be confusing and not immediately understood by the other gender," Archer says. "Think of the first male teachers or the first waves of male nurses."

She says WBF addresses this issue in three ways: by helping women make a well informed decision before entering trades training or employment; by providing training specifically designed to help women meet safety and productivity standards starting on their first day at work; and by helping women practice strategies proven to help them thrive in this work environment.

The organization also provides direct support for employers on best practices for hiring and retaining tradeswomen (coaching and training).

"WBF focuses on making sure that its graduates are well prepared to be safe and productive on the job site, starting day one. At the end of the day, this focus addresses the concerns both for women and their employers."

Archer says employers with whom WBF works need and want workers who are available locally and who can be safe and productive. Though that sounds like an open call, she says it is also important to appreciate that this kind of work and work environment is not for everyone.

"Individuals most likely to succeed share certain traits – they tend to be quick learners and eager to learn, they enjoy being physically active and fit, they enjoy challenges and teamwork, and appreciate the sense of pride that comes from a tough job well done."



She says having the right attitude and the right work ethic are equally high on the list of key competencies. "The best thing an employer can do is to hire women who demonstrate readiness either because they've had previous experience on the job or they've successfully completed a rigorous training program (such as at WBF) that focuses on the key success competencies and take some best practice training from WBF."

For example, she says WBF readiness courses such as Workplace Culture Awareness can make all the difference in terms of success.

It is well documented that differences between the way men and women communicate and problem solve can be harnessed to create strong, multi-talented, cross skilled teams.

"We love this industry and we know that it is a first choice career and lifestyle option for women. The career path opportunities are endless, and this is an industry that pays its workforce some of the highest wages in Canada."

She says for women who want a career that will open doors to opportunity, who like to make great money, have a great lifestyle (travel, home purchase, shopping, being fit and physically active), and spend their workday mentally engaged, construction presents an extremely viable career choice. "Our advice for everyone is the same - do your research. This industry isn't for every man or woman. Find out if it's for you before making a commitment or investment."

For those who do fit the bill, the opportunities are endless.

"Also, apprenticeship is a process where you 'earn while you learn' so if you plan well you should be able to finish all your technical training without accumulating debt," she said. "Within four years you can achieve full certification and begin growing your career in earnest." Canada's changing demographics is creating opportunity at all levels. Companies are looking for people who want to learn, grow and advance their career.

"At end of the day, the critical driving force is need," she said. "As 26 per cent of the industry retires, more of these roles will go to women. There has never been a better time in the history of our country for women to enter the world of construction."

For more information about Women Building Futures, visit <http://www.womenbuildingfutures.com>.



# The third option

## CLAC and PCA develop collaborative and flexible model for construction industry labour relations



### *Canadian Design and Construction Report special feature*

Two co-operating union and employer associations believe there is a third option for construction industry labour/management relationships: avoiding the jurisdictional rigidity and adversarialism of the traditional building trades model, while allowing workers the benefits and advantages that accrue from a modern and collaborative collective bargaining approach.

Employers associated with the Progressive Contractors Association of Canada (PCA) and union leaders representing the Christian Labour Association of Canada (CLAC) believe their model, which focuses on labour-management collaboration and workplace flexibility, while ensuring workplace health and safety, benefits and fair wages, has succeeded and is gaining traction across the country.

"We've developed the model over six decades," says CLAC executive director Dick Heinen. "It's very successful.

We're seeing other unions are finally realizing that the future is with partnership rather than adversarial relationships. The mainstream unions today are recognizing that they get a whole lot further if they act collaboratively."

PCA president Paul de Jong said the old model resulted in a polarized construction economy. Most large industrial construction projects were built by contractors associated with the traditional craft unions. In contrast, smaller residential and commercial construction projects were undertaken by construction firms where employees did not belong to a union.

Many of these non-union employers acknowledged their employees' right to unionize, but wanted to avoid "costly and energy draining adversarial struggles with the building trade unions" – and so appreciated the more broad minded ideas behind CLAC, which "has more of a partnership mindset, with a co-operative labour relations philosophy," de Jong said. "CLAC has an appreciation of the broader ecosystem where business takes place."

This new labour-management model has proven successful in mobilizing large labour force requirements for places such as the Ft. McMurray oil sands, numerous large infrastructure projects, and more recently, the mammoth Site C BC Hydro project.

"We've had projects where we can crew up 2,000 or 2,500 workers for a single project," he said. Here the interdisciplinary systems combined with collective bargaining ensure effective mobilization. Transferrable CLAC negotiated benefits coupled with responsible wage packages ensure that tradespeople receive incomes comparable to their craft union counterparts. Yet with greater interdisciplinary work flexibility, coupled with a higher apprentice to journeyman ratio, employers can be competitive on costs.

"We believe in a multi-skilled wall to wall approach where people are doing whatever needs to be done to get the projects done," said CLAC's Heinen. "We're going to have up-skilled sites, with multi-skilling – and there is evidence this doesn't affect safety. Our jobs are as safe or safer than any other jobs out there."

CLAC has training centres throughout the country "which focus on safety, a core part of the training curriculum."

PCA and CLAC, meanwhile, co-operate on apprenticeships to resolve the challenges of an aging labour force. "Our member contractors deliberately invest in apprentices," de Jong says. "The traditional union apprentice to journeyman ratio is 15 to 25 per cent; our ratios are as high as 30 to 40 per cent." As well, PCA contractors have been creating jobs for Aboriginal community members as well as providing opportunities for women in construction.

PCA's biggest challenges are in jurisdictions where labour laws create a closed door environment, requiring municipalities and other agencies to work only with contractors associated with the traditional building trades. This monopoly type structure, of course, raises costs and discourages innovation and competitiveness.

"Although there have been some improvements in how construction has been done, in most ways construction as it is done today hasn't changed from decades ago," de Jong says. "We need to find ways to bring increased productivity and innovation to the industry."

"How can we facilitate a smarter dialogue, in which construction project owners more effectively engage their stakeholders?" he asked.

In the ideal environment, the engineering company should meet with the contractor before work starts, reviewing constructability concepts, seeking higher productivity, and reducing costs through effective collaboration, he said. This co-ordinated business model is enhanced when contractors can negotiate flexible working arrangements with their labour union partner.

"You can't take one element out by itself," de Jong says. "You need to collaborate all across the value chain to compete and to have stronger investment in the projects."

Of course, no one either in PCA or CLAC is immune from broader economic cycle challenges. There have been layoffs in the Ft. McMurray area, although the collaborative and interdisciplinary attitude to workforce mobilization has advantages in harder times as well as when the economy is booming. In the oil sands, for example, CLAC members can adapt to maintenance roles and contractors may share geographical mobility options with their co-operatively unionized employees.

"Some workers may be willing to be mobile and work in different provinces," de Jong said. "Employers create tremendous loyalty when they continue their workers' employment through tough times. They want to keep their work force. When the lights eventually come back on in Ft. McMurray, those guys are willing and able to work."

Meanwhile, Heinen says as he prepares to retire – he has been associated with CLAC since 1968 – the union has "become more self-consciously member focused and we have been self-consciously doing a better job in servicing and working with our members."

"We've also increased our profiles with the employers," he said. "We have ramped up the education program for staff and representatives. We've become more professional."

He says CLAC's success indicates a continuing membership growth in the range of 10 per cent a year. There may be some bumps along the way, but "infrastructure money will spur the business," and the future is bright for the union, Heinen says.



## CQN Advantage:

# Contractor management software avoids the negative qualities of third party verification services

*Canadian Design and Construction Report special feature*

Automated contractor and supplier prequalification management systems have recently become controversial flash points in Canada's contracting community, especially where owners rely on third party verification systems (which also charge fees to contractor and subtrade participants) for safety and compliance confirmations.

However, how would the story change if there is a contractor qualification management system that avoids the negative issues, yet provides administrative and management efficiencies? The Contractor Qualification Network (CQN) Advantage "is a less expensive, more practical approach" to meeting purchasers' needs in an environment where "contractor assessment is a multistage process that requires increasingly more due diligence the closer to ultimate contractor selection the process gets," says CQN president Patrick Robinson. "Systems that force all of the work into the prequalification stage are doing it inefficiently and too expensively."

It is ideal for contractors working within the Certificate of Recognition (COR) safety compliance system – which has become increasingly important as owners such as the City of Toronto require it for an increasing number of projects.

CQN Advantage™ allows owners and general contractors to customize the prequalification questions to suit their requirements. There isn't a one size fits all model; questions for a subcontractor that may be required to visit a job site only occasionally can be different from a key, continuously present contractor.

"The product design is based on the needs of the purchaser and their subcontractor groupings," Robinson said. "There are no subcontractor fees and we, as a third party, don't administer the approval process. This saves administrative time and costs, avoids forcing redundant requirements on the contractors, and "contractor assessment remains in the domain of the general contractor, as it always was prior to (third party) registries entering the marketplace."

Robinson provided some examples of how the CQN Advantage system meets "specific client needs with flexible product design and fit for purpose business solutions."

A large petroleum services contractor wanted automation to deploy custom subcontractor questionnaires meeting the Canadian Association of Petroleum Producers Contractor HSE



Contract Requirements Guide (that is, a questionnaire that had no duplication of any item covered off by the COR process.) This capability was at the top of the purchasing decision making criteria for this general contractor.

A small communication design and engineering company that also provides project and construction management services had a business requirement to provide its client with proof of a viable prequalification process that would, in turn, allow it to provide construction management services. "CQN Advantage provided them a transparent, turnkey contractor management solution," Robinson said.

A large power distributor required an industry specific questionnaire for aircraft (fixed and rotary wing) services contractors. "They worked with their contractors to build out a custom, fit for purpose questionnaire and document submittal that contained germane industry specific criteria," he said.

"CQN Advantage reflects an effective evolution of third party contractor management systems from high cost, registry controlled questionnaires and approval systems, to more flexible and economical user self-serve approaches," Robinson said. "We've achieved the advantages these online services provide, without much of the cost, limitations and irritation."

For more information about CQN Advantage, visit [www.cqnadvantage.com](http://www.cqnadvantage.com) or email [info@cqnadvantage.com](mailto:info@cqnadvantage.com).

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**ITEM: Make Up Air Replacement** AHA2015022B  
CALGARY, AB CAN  
AB(DIVISION 06)  
201600401961 v2  
Action stage: Bidding  
Bid date: 01/19/2016 @ 02:01 PM MST  
Valuation: C (200K to <300K)  
Project delivery system: Design-Bid-Build  
Owner type: State  
Project Overview  
Project type: Apartments/Condominiums 1-3 Stories.  
Report type: ITEM Only  
Sub project count: 0  
First publish date: 01/06/2016  
Prior publish date: 01/06/2016  
Publisher: Dodge Data & Analytics  
Type of Item: ALTERATION.  
Item Code: Air Condition/Temper Sys-Cent. Elec Work. Ventilating Sys.  
Item Category: HVAC/DUCTWORK. ELECTRICAL.  
HVAC/DUCTWORK.  
Status: Bids to Owner by January 19 at 2:01 PM (MST)  
Status project delivery system: Design-Bid-Build  
Publish date: 01/15/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Consultant: Alberta Purchasing Connection  
P.O. Box 1333 EDMONTON  
AB T5J 2N2  
Phone: 780-644-5726  
E-mail: apc.help@gov.ab.ca, https://vendor.purchasing-connection.ca  
Engineer: Alberta Social Housing Corporation  
Andy Hau, Technical Advisor  
Suite 280, 6715 ? 8 St. CALGARY  
AB T2V 7E7  
Phone: 403-297-4317 Fax: 403-297-6138  
E-mail: andy.hau@gov.ab.ca Company Name : Alberta Social Housing Corporation  
Owner (Public): Alberta Social Housing Corporation  
Andy Hau, Technical Advisor  
Suite 280, 6715 ? 8 St. CALGARY  
AB T2V 7E7  
Phone: 403-297-4317 Fax: 403-297-6138  
E-mail: andy.hau@gov.ab.ca Company Name : Alberta Social Housing Corporation  
Notes: DEWB43 - Pre-bid meeting January 12 at 11:00 AM (MST) - Source requests all bid documents be obtained through their channels only - Documents for this project will not appear in the Dodge Global Network  
Plans available from: Owner (Public)

**Items: Replace Make up Air**  
108 Street Neighbourhood Rehabilitation 15031  
100 Avenue to 101 Avenue  
FORT SASKATCHEWAN, AB CAN  
AB(DIVISION 11)  
201500419518 v9  
Action stage: Bid Results  
Bid date: 05/21/2015 @ 02:00 PM MDT  
Valuation: G (750K to <1M)  
Project delivery system: Design-Bid-Build  
Target start date: 07/01/2015  
Target complete date: 10/01/2015  
Owner type: Local Government  
Project Overview  
Project type: Paving, Sidewalk/Parking Lot. Landscaping. Sanitary Sewer. Water Line.  
Report type: Project  
Sub project count: 0  
First publish date: 01/28/2015  
Prior publish date: 01/04/2016  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Status: Bids in and under review - Contract award anticipated within 30-60 days - Bids May 21  
Status project delivery system: Design-Bid-Build  
Publish date: 01/15/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Consultant: Alberta Purchasing Connection  
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Engineer: City of Fort Saskatchewan  
Joey Farebrother, Eng. Coordinator

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E-mail: jfarebrother@fortsask.ca,  
http://www.fortsask.ca/ftsk\_Business/ftsk\_Doing\_Bu  
Company Name : City of Fort Saskatchewan Email ID : jfarebrother@fortsask.ca Internet Addr : http://www.fortsask.ca/ftsk\_Business/ftsk\_Doing\_Bu  
Owner (Public): City of Fort Saskatchewan  
Joey Farebrother, Eng. Coordinator  
11121 - 88 Avenue (James E. Graham Building) FORT SASKATCHEWAN  
AB T8L 2S5  
Phone: 780-992-6296 Fax: 780-992-1375  
E-mail: jfarebrother@fortsask.ca,  
http://www.fortsask.ca/ftsk\_Business/ftsk\_Doing\_Bu  
Company Name : City of Fort Saskatchewan Email ID : jfarebrother@fortsask.ca Internet Addr : http://www.fortsask.ca/ftsk\_Business/ftsk\_Doing\_Bu  
Notes: DEWB73 The list of Prospective bidders is not available from regular sources - if you are GC bidding on this project please call -1-888-836-6623  
Bonds: 10% Bid Bond.  
Plans available from: Owner (Public)  
Additional features: 108 Street (100 Avenue to 101 Avenue) Neighbourhood Rehabilitation - 2015

**2014 Annual Asphalt Patching** 850T01201408  
At 17 Sites  
TABER, AB CAN  
AB(DIVISION 02)  
201400467800 v18  
Action stage: Bid Results  
Bid date: 04/02/2014 @ 02:00 PM MDT  
Valuation: D (300K to <400K)  
Project delivery system: Design-Bid-Build  
Target start date: 07/01/2014  
Target complete date: 08/01/2014  
Owner type: Local Government  
Project Overview  
Project type: Paving.  
Report type: Project  
Sub project count: 0  
First publish date: 03/19/2014  
Prior publish date: 01/04/2016  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Status: Bids in and under review - Further action pending Owner's decision to proceed - Bid April 2  
Status project delivery system: Design-Bid-Build  
Publish date: 01/15/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Consultant: Alberta Purchasing Connection  
P.O. Box 1333 EDMONTON  
AB T5J 2N2  
Phone: 780-644-5726  
E-mail: apc.help@gov.ab.ca, https://vendor.purchasing-connection.ca  
Engineer: Town of Taber  
Greg Birch  
A4900 - 50 Street TABER  
AB T1G 1T1  
Phone: 403-223-3541  
E-mail: cao@taber.ca, http://www.taber.ca/bids.aspx  
Email ID : cao@taber.ca Internet Addr : http://www.taber.ca/bids.aspx  
Owner (Public): Town of Taber  
Greg Birch  
A4900 - 50 Street TABER  
AB T1G 1T1  
Phone: 403-223-3541  
E-mail: cao@taber.ca, http://www.taber.ca/bids.aspx  
Email ID : cao@taber.ca Internet Addr : http://www.taber.ca/bids.aspx  
Notes: DEWB73 - The list of Prospective bidders is not available from regular sources - if you are GC bidding on this project please call -1-888-836-6623  
Plans available from: Owner (Public)  
Additional features: The work/services to be undertaken generally involve, but are not necessarily limited to: Existing granular Sub-base preparation Placement and supply of 75mm granular base Placement and supply of City of Lethbridge Type III asphalt for 17 sites within the Town of Taber.

**2014 Sidewalk Construction - Repairs**  
1090-PUB-T14-135  
Site not specified  
RED DEER, AB CAN

AB(DIVISION 08)  
201400511921 v17  
Action stage: Start  
Bid date: 05/07/2014 @ 02:00 PM MDT  
Valuation: \$910,077  
Project delivery system: Design-Bid-Build  
Target start date: 06/01/2014  
Owner type: Local Government  
Project Overview  
Project type: Paving, Sidewalk/Parking Lot. Site Development. Landscaping.  
Report type: Project  
Sub project count: 0  
First publish date: 05/01/2014  
Prior publish date: 01/04/2016  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Status: Contract awarded - work to begin within 30-60 days - Bids to Owner May 7  
Status project delivery system: Design-Bid-Build  
Publish date: 01/15/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Consultant: Alberta Purchasing Connection  
P.O. Box 1333 EDMONTON  
AB T5J 2N2  
Phone: 780-644-5726  
E-mail: apc.help@gov.ab.ca, https://vendor.purchasing-connection.ca  
Engineer: City of Red Deer  
Shelly Flahr, Corp. Contract Spec  
2nd Floor 4914-48 Avenue RED DEER  
AB T4N 3T4  
Phone: 403-342-8273 Fax: 403-341-6960  
E-mail: purchasing@reddeer.ca, http://www.reddeer.ca  
General Contractor: Olds Concrete Service Ltd  
5801 48 Ave OLDS  
AB T4H 1V1  
Phone: 403-556-2979 Fax: 403-556-2995  
Owner (Public): City of Red Deer  
Shelly Flahr, Corp. Contract Spec  
2nd Floor 4914-48 Avenue RED DEER  
AB T4N 3T4  
Phone: 403-342-8273 Fax: 403-341-6960  
E-mail: purchasing@reddeer.ca, http://www.reddeer.ca  
Notes: DEWB73 An optional pre-tender meeting April 30 at 9:00 AM (MDT) at the Civic Yards, Bldg 300, 7721 ? 40 Avenue, Red Deer, Alberta in Conference Room C201-202 to help familiarize the Bidders with the site and work - The list of Prospective bidders is not available from regular sources - if you are GC bidding on this project please call -1-888-836-6623  
Bonds: 10% Bid Bond.  
Plans available from: Owner (Public)  
Additional features: The Work is comprised of the removal - disposal and replacement of sidewalks - curb and gutter - sidewalk crossings and curb ramps; including waste excavation - subgrade and gravel base course preparation - and supply and placement of topsoil - seed and/or sod. The Work is also comprised of grinding - grouting - and sawcutting of sidewalks - sidewalk crossings and curb ramps.

**Janvier Sewage Lagoon Upgrade** QU3475  
Janvier Sewage Lagoon  
WOOD BUFFALO, AB CAN  
AB(DIVISION 16)  
201400482319 v13  
Action stage: Bid Results  
Bid date: 03/31/2015 @ 02:00 PM MDT  
Valuation: \$3,219,745  
Project delivery system: Design-Bid-Build  
Target start date: 06/01/2015  
Owner type: Local Government  
Project Overview  
Project type: Sewage Treatment Plant.  
Report type: Project  
Sub project count: 0  
First publish date: 04/02/2014  
Prior publish date: 12/01/2015  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Status: Low Bidders previously reported - Award anticipated in 60 days - Bid March 31  
Status project delivery system: Design-Bid-Build  
Publish date: 01/15/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Architect: MMM Group Limited  
Wilfred David

8026A Franklin Avenue FORT MCMURRAY  
AB T9H 5K3  
Phone: 780-743-3977 Fax: 780-743-3981  
E-mail: DavidW@mmm.ca Email ID : DavidW@mmm.ca  
Consultant: Alberta Purchasing Connection  
P.O. Box 1333 EDMONTON  
AB T5J 2N2  
Phone: 780-644-5726  
E-mail: apc.help@gov.ab.ca, https://vendor.purchasing-connection.ca  
Owner (Public): Regional Municipality of Wood Buffalo  
Laurie Gaudet  
9909 Franklin Avenue FORT MCMURRAY  
AB T9H 2K4  
Phone: 780-743-7844 Fax: 780-743-7999  
E-mail: meridel.graves@woodbuffalo.ab.ca,  
http://www.woodbuffalo.ab.ca/  
Company Name : Regional Municipality of Wood Buffalo Internet Addr : http://www.woodbuffalo.ab.ca/  
Notes: DEWB84  
Bonds: 10% Bid Bond. 50% Performance Bond. 50% Payment Bond.  
Plans available from: Consultant  
Additional features: Janvier Sewage Lagoon Upgrade  
Plans available from: Owner (Public)  
Additional features: Cold Milling - Crack Repair - Asphalt Concrete Pavement - Side slope Improvement and Other Work 9:06 - N. of Jct. Hwy. 838 to Jct. Hwy. 27/Hwy. 56 Cold Milling - Asphalt Concrete Pavement and Other Work RSF 707 - Morrin Vehicle Inspection Station - Adjacent to the N.B.L. of Hwy. 9 - S. of Jct. Hwy. 27/Hwy. 56 at km 20.655 Cold Milling - Crack Repair - Asphalt Concrete Pavement and Other Work 56:08 - S. of Jct. Hwy. 10 to Jct. Hwy. 10 at the Town of Drumheller

### Atlantic

**12 wing Shearwater - Three - 744 Style RHUs** Recapitalize 309957  
39 Harvard Drive  
SHEARWATER, NS B0J 3A0 CAN  
NS(HALIFAX)  
201400681180 v15  
Action stage: Bid Results  
Bid date: 11/20/2014 @ 02:00 PM AST  
Valuation: F (500K to <750K)  
Project delivery system: Design-Bid-Build  
Target start date: 12/01/2014  
Owner type: Military  
Project Overview  
Project type: Custom Homes. Military Facility.  
Report type: Project  
Sub project count: 0  
First publish date: 10/24/2014  
Prior publish date: 01/04/2016  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Status: Bids in and under review - Further action pending Owners decision to Proceed - Bid November 20  
Status project delivery system: Design-Bid-Build  
Publish date: 01/15/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Architect: Defence Construction Canada  
Veronica Mendoza, Administration  
6231 Engineer's Way Building 7, 2nd Floor HALIFAX NS B3K 5M6  
Phone: 902-407-8261 Fax: 902-426-5507  
E-mail: Veronica.Mendoza@dcc-cdc.gc.ca Email ID : Veronica.Mendoza@dcc-cdc.gc.ca  
Consultant: MERX  
Customer Support, Consultant  
38 Antares Drive Ottawa  
ON K2E 7V2  
Phone: 613-727-4900 Fax: 888-235-5800  
E-mail: merx@merx.com, http://www.merx.com  
Bidders must be registered with MERX to order documents and submit a bid. MERX is the sole source for documents. Register at www.merx.com.  
Owner (Public): Defence Construction Canada/Atlantic Regional Offi  
Atlantic Regional Office  
1597 Bedford Highway Bedford  
NS B4A 1E7  
Fax: 902-426-8342  
E-mail: info@dcc-cdc.gc.ca, http://www.dcc-cdc.gc.ca/  
Company Name : Defence Construction Canada/At-





## Dodge upcoming project reports

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**Dodge Analytics 613-727-4900 ext 4902 or 4953.**  
E-mail: mcgraw-hill@merx.com Web: www.construction.com

lantic Regional Offi Internet Addr : <http://www.dcc-cdc.gc.ca/>  
Notes: DEWB73 A site visit November 4 at 10:00 AM (AST) at 39 Harvard Drive, Shearwater, NS - DEFENCE CONSTRUCTION CANADA (DCC) ? #HX15603 - The Plans and Specifications (P&S) for this opportunity may be ordered from MERX by logging on their website: [www.merx.com](http://www.merx.com) or by calling 1 (800) 964-MERX (6379). The P&S are also available for viewing at [Local Construction Association] - Please note that the tender results for this project are available from the Bid Opening Office 902-407-8397 - The list of Prospective bidders is not available from regular sources - if you are GC bidding on this project please call -1-888-836-6623  
Plans available from: Consultant  
Addenda film date: 11/14/2014  
Addenda receive date: OV/2-14-N  
Additional features: supply of labour, material, supervisory and equipment necessary to recapitalize 3 ? 744 Style RHUs, Halifax, Nova Scotia

### 2009 Street Improvements - Part D MA8706

Various Locations  
MARYSTOWN, NF CAN  
NF(DIVISION 02)  
201400582325 v16  
Action stage: Bid Results  
Bid date: 08/01/2014 @ 02:00 PM ADT  
Valuation: \$529,169  
Project delivery system: Design-Bid-Build  
Target start date: 08/01/2014  
Owner type: State  
Project Overview  
Project type: Paving.  
Report type: Project  
Sub project count: 0  
First publish date: 07/14/2014  
Prior publish date: 01/07/2016  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Status: Low & only bidders - 2 bids received - Award expected in 2 weeks - Bids to Owner August 1  
Status project delivery system: Design-Bid-Build  
Publish date: 01/15/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Engineer: exp Services Inc.  
Mr. Bill Melendy, Project Manager  
60 Pippy Place Suite 200 ST JOHN'S NF  
A1B 4H7  
Phone: 709-579-2027 Fax: 709-579-7115  
E-mail: [william.melendy@exp.com](mailto:william.melendy@exp.com), <http://www.exp.com>  
Owner (Public): Department of Municipal & Provincial Affairs  
Tendering & Contracts, Deputy Minister  
Confederation Bldg, East Block P O Box 8700 ST JOHNS NF  
A1B 4J6  
Phone: 709-729-3786 Fax: 709-729-6729  
E-mail: [Tenders@gov.nf.ca](mailto:Tenders@gov.nf.ca), <http://www.gov.nf.ca>  
Notes: DEWB82 Bid amount in USD  
Bonds: 10% Bid Bond. 50% Performance Bond. 50% Payment Bond.  
Plans available from: Owner (Public)

### Additional features: 2009 Street Improvements- Part D

Various Locations  
SUSSEX, NB CAN  
NB(KINGS)  
201400608507 v13  
Action stage: Bid Results  
Bid date: 08/13/2014 @ 02:00 PM ADT  
Valuation: F (500K to <750K)  
Project delivery system: Design-Bid-Build  
Target start date: 09/01/2014  
Owner type: Local Government  
Project Overview  
Project type: Paving.  
Report type: Project  
Sub project count: 0  
First publish date: 08/11/2014  
Prior publish date: 11/16/2015  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Status: Bids in and under review - Further action pending Owners decision to Proceed - Bids August 13  
Status project delivery

system: Design-Bid-Build  
Publish date: 01/15/2016  
Key Contacts and Bid Documents  
Submit bids to: Engineer  
Engineer: exp - Formely Prodele Design Inc  
Reception  
40 Henri Dunant Street Moncton NB E1E 1E5  
Phone: 506-857-8889 Fax: 506-863-1100  
E-mail: [prodell@nbnet.nb.ca](mailto:prodell@nbnet.nb.ca), <http://www.exp.com/en/home>  
Owner (Public): Town of Sussex  
Mr. S. M. Hatcher  
524 Main Street SUSSEX NB E4E 3E4  
Phone: 506-432-4540 Fax: 506-432-6116  
<http://www.sussex.ca/>  
Company Name : Town of Sussex Internet Addr : <http://www.sussex.ca/>  
Notes: DEWB82  
Bonds: 10% Bid Bond. 50% Performance Bond. 50% Payment Bond.  
Plans available from: Owner (Public)  
Additional features: Work under this Contract includes supply of all labour, materials, equipment, and incidentals necessary for the Asphalt Resurfacing 2014 project located in Sussex, NB including asphalt resurfacing of Broad Street, Cedar Avenue, Carriage Lane and Brookview Crescent. Related work generally includes cold milling, miscellaneous roadway repairs and asphalt resurfacing

### 2014 Sidewalks Installation 201481

Rue Amirault Street, and Central Street DIEPPE, NB CAN  
NB(WESTMORLAND)  
201400474321 v15  
Action stage: Bid Results  
Bid date: 04/07/2014 @ 11:00 AM ADT  
Valuation: F (500K to <750K)  
Project delivery system: Design-Bid-Build  
Target start date: 05/01/2014  
Owner type: Local Government  
Project Overview  
Project type: Sidewalk/Parking Lot.  
Report type: Project  
Sub project count: 0  
First publish date: 03/26/2014  
Prior publish date: 11/16/2015  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Status: Bids in and under review - further action pending owner decision to proceed - Bid April 7  
Status project delivery system: Design-Bid-Build  
Publish date: 01/15/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Engineer: Crandall Engineering Ltd  
Reception  
400 - 1077 St George Blvd MONCTON NB E1E 4C9  
Phone: 506-857-2777 Fax: 506-857-2753  
E-mail: [info@crandallengineering.ca](mailto:info@crandallengineering.ca), <http://www.crandallnb.com/>  
Owner (Public): City of Dieppe  
Jocelyne Richard, Purchasing Agent  
333 Acadie Avenue DIEPPE NB E1A 1G9  
Phone: 506-877-7900 Fax: 506-877-8910  
E-mail: [jocelyne.richard@dieppe.ca](mailto:jocelyne.richard@dieppe.ca), <http://www.dieppe.ca/>  
Company Name : City of Dieppe Internet Addr : <http://www.dieppe.ca/>  
Notes: DEWB73  
Bonds: \$14,000 Bid Bond.  
Plans available from: Engineer - USS 100 deposit.  
Additional features: Sidewalk Installation - Amirault, Aime and Centrale Streets

### 2014 Storm Sewer - Street Improvements Phase 2

149239B  
Various Locations  
GRAND BAY-WESTFIELD, NB CAN  
NB(KINGS)  
201400502902 v16  
Action stage: Bid Results  
Bid date: 05/07/2014 @ 11:30 AM ADT  
Valuation: F (500K to <750K)  
Project delivery system: Design-Bid-Build  
Target start date: 05/01/2014  
Owner type: Local Government

Project Overview  
Project type: Paving, Site Development, Storm Sewer.  
Report type: Project  
Sub project count: 0  
First publish date: 04/23/2014  
Prior publish date: 11/17/2015  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Status: Bids in and under review - Further action pending Owner's decision to Proceed - Bids May 7  
Status project delivery system: Design-Bid-Build  
Publish date: 01/15/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Engineer: Dillon Consulting Limited  
Reception  
274 Sydney Street ST JOHN NB E2L 0A6  
Phone: 506-633-5000 Fax: 506-632-9010  
Owner (Public): Town of Grand Bay-Westfield  
Mrs Sandra Gautreau, Town Manager  
609 River Valley Drive PO Box 3001 Grand Bay-Westfield NB E0G 1W0  
Phone: 506-738-6420  
Owner's Agent (Public): Town of Grand Bay-Westfield  
J. Douglas Hartford  
609 River Valley Drive PO Box 3001 Grand Bay-Westfield NB E5K 4V3  
Phone: 506-738-6400 Company Name : Town of Grand Bay-Westfield  
Notes: DEWB43 - The list of Prospective bidders is not available from regular sources - if you are GC bidding on this project please call -1-888-836-6623  
Bonds: \$25,000 Bid Bond.  
Plans available from: Owner (Public)  
Additional features: The Work consists generally of the supply and installation of 1500 square metres of pavement reinforcement; adjusting existing precast concrete structures; supply, placement and compaction of approximately 1950 tonnes of hot-mix asphalt; supply, placement and compaction of 270 tonnes of shoulder material; and site restoration

### Ditching Graveling Guardrail Drainage Structures

60149118  
HANTS COUNTY, NS CAN  
NS(HALIFAX)  
201500674990 v4  
Action stage: \*  
Construction  
Bid date: 11/25/2015 @ 02:00 PM EST  
Valuation: \*  
\$1,728,202  
Project delivery system: Design-Bid-Build  
Target start date: 01/01/2016  
Owner type: State  
Project Overview  
Project type: Paving, Highway Signs/Guardrails, Storm Sewer.  
Report type: Project & ITEM  
Sub project count: 0  
First publish date: 11/13/2015  
Prior publish date: 12/01/2015  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Type of Item: NEW TRADE.  
Item Code: Asphalt, Concrete Work excl Foundns, Concrete-Asphaltic, Concrete-Ready Mixed, Guardrail-Hwy-All Types, Paving Materials-Bituminous, Guardrail-Hwy Furn & Install.  
Item Category: HIGHWAY SUPPLIES, MASONRY/CONCRETE, HIGHWAY SUPPLIES, MASONRY/CONCRETE, PLASTERING/DRY-WALL, HIGHWAY SUPPLIES, HWY SIGNS/RAILS.  
Status: Contract awarded - Construction underway ?  
Bids November 25  
Status project delivery system: Design-Bid-Build  
Publish date: 01/15/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Engineer: Nova Scotia Public Tenders Office  
Jane MacConnell  
1660 Hollis Street Ste 502 - Centennial Building HALIFAX, NS B3J 1V7  
Phone: 902-424-5288 Fax: 902-424-0622  
E-mail: [macconja@gov.ns.ca](mailto:macconja@gov.ns.ca), <http://www.gov.ns.ca>  
Email ID : [macconja@gov.ns.ca](mailto:macconja@gov.ns.ca) Internet Addr : <http://www.gov.ns.ca>

General Contractor: Cumberland Paving & Constructing Ltd  
8-833 Sackville Dr LOWER SACKVILLE NS B4E 1S1  
Phone: 902-865-2111 Fax: 902-597-2616  
Owner (Public): Nova Scotia Public Tenders Office  
Procurement  
1660 Hollis Street Ste 502 - Centennial Building HALIFAX, NS B3J 1V7  
Phone: 902-424-3333 Fax: 902-424-0622  
E-mail: [ptenders@novascotia.ca](mailto:ptenders@novascotia.ca)  
<http://novascotia.ca/tenders/tenders/ns-tenders.aspx>  
Owner's Agent (Public): Nova Scotia Public Tenders Office  
Mike Deering  
1660 Hollis Street Ste 502 - Centennial Building HALIFAX, NS B3J 1V7  
Phone: 902-860-5624 Fax: 902-424-0622  
E-mail: [ptenders@novascotia.ca](mailto:ptenders@novascotia.ca) Company Name : Nova Scotia Public Tenders Office  
Notes: DEWB73  
Plans available from: Owner (Public)  
Additional features: Ditching, graveling, guardrail, drainage structures and asphalt concrete repaving (end product specification) for one project in Hants County

## British Columbia

Birch Avenue Paving 364671  
Birch Avenue  
100 MILE HOUSE, BC V0K 2E0 CAN  
BC(CARIBOO)  
201400469960 v16  
Action stage: Bid Results  
Bid date: 04/03/2014 @ 02:00 PM PDT  
Valuation: F (500K to <750K)  
Project delivery system: Design-Bid-Build  
Target start date: 11/01/2014  
Owner type: Local Government  
Project Overview  
Project type: Paving.  
Report type: Project  
Sub project count: 0  
First publish date: 03/21/2014  
Prior publish date: 10/26/2015  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Status: Bids in and under review - Further action pending owner's decision to proceed - Bid April 3  
Status project delivery system: Design-Bid-Build  
Publish date: 02/11/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Engineer: District of 100 Mile House  
Philip Strain, Director of Finance  
385 South Birch Avenue P.O. Box 340  
100 MILE HOUSE BC V0K 2E0  
Phone: 250-706-8440 Fax: 250-395-3625  
E-mail: [pstrain@dist100milehouse.bc.ca](mailto:pstrain@dist100milehouse.bc.ca), <http://www.100milehouse.com/>  
Company Name : District of 100 Mile House Email ID : [pstrain@dist100milehouse.bc.ca](mailto:pstrain@dist100milehouse.bc.ca)  
Owner (Public): District of 100 Mile House  
Philip Strain, Director of Finance  
385 South Birch Avenue P.O. Box 340  
100 MILE HOUSE BC V0K 2E0  
Phone: 250-706-8440 Fax: 250-395-3625  
E-mail: [pstrain@dist100milehouse.bc.ca](mailto:pstrain@dist100milehouse.bc.ca), <http://www.100milehouse.com/>  
Company Name : District of 100 Mile House Email ID : [pstrain@dist100milehouse.bc.ca](mailto:pstrain@dist100milehouse.bc.ca)  
Notes: DEWB73  
Plans available from: Owner (Public)  
Additional features: Cold Mill approximately 13,000 sq.m of existing asphalt to a depth of 50mm - Supply and place approximately 13,000 sq.m of 50mm hot-mix asphalt concrete paving

### Fire Hall 14 Localized Repairs PS20141138

2804 Venables St  
VANCOUVER, BC V5K 4 CAN  
BC(GREATER VANCOUVER)  
201500403103 v8  
Action stage: Bid Results  
Bid date: 01/29/2015 @ 03:00 PM PST  
Valuation: F (500K to <750K)  
Project delivery system: Design-Bid-Build  
Target start date: 02/01/2015  
Owner type: Local Government  
Project Overview

Estimate codes: B: \$100,000-\$199,999; C: \$200,000-\$299,999; D: \$300,000-\$399,999; E: \$400,000-\$499,999; F: \$500,000-\$749,999; G: \$750,000-\$999,999; H: \$1,000,000-\$2,999,999; I: \$3,000,000-\$4,999,999; J: \$5,000,000-\$9,999,999; K: \$10,000,000-\$14,999,999; L: \$15,000,000-\$24,999,999; M: \$25,000,000-\$49,999,999; N: \$50,000,000-No Maximum

## Dodge upcoming project reports

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**Dodge Analytics 613-727-4900 ext 4902 or 4953.**  
E-mail: mcgraw-hill@merx.com Web: www.construction.com

Project type: Fire/Police Station.  
Report type: Project  
Sub project count: 0  
First publish date: 01/07/2015  
Prior publish date: 08/13/2015  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Status: Bids in and under review - Contract Award possible within 30-60 days - Pre-qualified GC bids January 29  
Status project delivery system: Design-Bid-Build  
Publish date: 02/11/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Architect: City of Vancouver  
Donna Lee  
453 West 12th Avenue 1st Floor, City Hall Vancouver BC V5Y 1V4  
Phone:604-871-6054 Fax:604-873-7057  
E-mail: donna.lee@vancouver.ca, http://vancouver.ca  
Email ID : purchasing@vancouver.ca Internet Addr : http://vancouver.ca  
Owner (Public): City of Vancouver  
Purchasing Services  
453 West 12th Avenue 1st Floor, City Hall Vancouver BC V5Y 1V4  
Phone:604-873-7263 Fax:604-873-7057  
E-mail: purchasing@vancouver.ca, http://vancouver.ca  
Internet Addr : http://vancouver.ca  
Notes: DEWB82 Source requests all bid documents be obtained through their channels only - Documents for this project will not appear in the Dodge Global Network  
Plans available from: Owner (Public)  
Additional features: FIRE HALL #14 LOCALIZED REPAIRS

Asphalt Surfacing Highway 6 23924M0000  
Hwy No.6 (Burton to Fauquier &, Local Area Side Roads)  
COQUITLAM, BC CAN  
BC(GREATER VANCOUVER)  
201600431665 v1  
Action stage: Bidding  
Bid date: 03/08/2016 @ 02:00 PM PST  
Valuation: F (500K to <750K)  
First issue bid stage IND: Y  
Project delivery system: Design-Bid-Build  
Target start date: 04/01/2016  
Owner type: State  
Project Overview  
Project type: Paving, Site Development, Storm Sewer.  
Report type: Project  
Sub project count: 0  
First publish date: 02/11/2016  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Status: Bids to Owner March 8 at 2:00 PM (PST)  
Status project delivery system: Design-Bid-Build  
Publish date: 02/11/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Engineer: Ministry of Transportation and Infrastructure  
Helen Evans  
310 - 1500 Woolridge Street (South Coast Regional Office) COQUITLAM BC V3K 0B8  
Phone:604-527-2221  
E-mail: Helen.Evans@gov.bc.ca, http://www.th.gov.bc.ca/  
Email ID : Helen.Evans@gov.bc.ca Internet Addr : http://www.th.gov.bc.ca/  
Owner (Public): Ministry of Transportation and Infrastructure  
Helen Evans  
310 - 1500 Woolridge Street (South Coast Regional Office) COQUITLAM BC V3K 0B8  
Phone:604-527-2221  
E-mail: Helen.Evans@gov.bc.ca, http://www.th.gov.bc.ca/  
Email ID : Helen.Evans@gov.bc.ca Internet Addr : http://www.th.gov.bc.ca/  
Notes: DEWB40  
Plans available from: Owner (Public)  
Additional features: work consists of Signing; Traffic Management and Control; Quality Management; 16 mm Asphalt Medium Mix Aggregate Production; Cold Milling Misc. Areas; Remove and Replace CRB; Shoulder Widening; Supply and Spray Tack Coat;

Level Course and Top Lift Asphalt Paving; Side Road Overlay Paving; Construct Pavement Drainage; Shouldering; Pavement Markings; Site Cleanup and Restoration

Macdonald Park Turf Installation 15015  
Macdonald Park  
VICTORIA, BC CAN  
BC(CAPITAL)  
201500450803 v5  
Action stage: Bid Results  
Bid date: 03/17/2015 @ 04:00 PM PDT  
Valuation: D (300K to <400K)  
Project delivery system: Design-Bid-Build  
Target start date: 09/01/2015  
Target complete date: 09/01/2015  
Owner type: Local Government  
Project Overview  
Project type: Park/Playground, Site Development, Landscaping.  
Report type: Project  
Sub project count: 0  
First publish date: 02/27/2015  
Prior publish date: 11/04/2015  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Status: Bids in and under review - Contract award anticipated within 30-60 days - Bids March 17  
Status project delivery system: Design-Bid-Build  
Publish date: 02/11/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Engineer: City of Victoria  
Leah Hamilton, Buyer  
City Hall No. 1 Centennial Square VICTORIA BC V8W 1P6  
Phone:250-361-0273 Fax:250-361-0214  
E-mail: purchasing@victoria.ca Company Name : City of Victoria  
Owner (Public): City of Victoria  
Leah Hamilton, Buyer  
City Hall No. 1 Centennial Square VICTORIA BC V8W 1P6  
Phone:250-361-0273 Fax:250-361-0214  
E-mail: purchasing@victoria.ca Company Name : City of Victoria  
Notes: DEWB82 Pre-bid meeting on March 12 at 10:00 AM (PDT) at Simce Steet Parking Lot Victoria, BC - The list of Prospective bidders is not available from regular sources - if you are GC bidding on this project please call -1-888-836-6623  
Plans available from: Owner (Public)  
Additional features: To supply, transport, and install big roll turfgrass on the MacDonal Park Field at MacDonal Park in James Bay, Victoria. The field will be ready for turf installation. Grading, levelling and RotaDairon renovation will be completed by August 31, 2015. The approximate size of the field is 240,000 square feet.  
Nanaimo Park Playground Upgrade PS20140896  
2390 E 46th Avenue  
VANCOUVER, BC V5S 1A1 CAN  
BC(GREATER VANCOUVER)  
201500431815 v4  
Action stage: Bid Results  
Bid date: 03/10/2015 @ 03:00 PM PST  
Valuation: F (500K to <750K)  
Project delivery system: Design-Bid-Build  
Target start date: 04/01/2015  
Owner type: Local Government  
Project Overview  
Project type: Park/Playground.  
Report type: Project  
Sub project count: 0  
First publish date: 02/09/2015  
Prior publish date: 11/18/2015  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Status: Bids in and under review - Award expected in 30-60 days - Bids March 10  
Status project delivery system: Design-Bid-Build  
Publish date: 02/11/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Engineer: City of Vancouver - Purchasing Services  
Philip Lai, Buyer  
453 West 12th Avenue 1st Floor, City Hall Vancouver BC V5Y 1V4  
Phone:604-871-6836 Fax:604-873-7057  
E-mail: purchasing@vancouver.ca, http://vancouver.ca

Email ID : purchasing@vancouver.ca Internet Addr : http://vancouver.ca  
Owner (Public): City of Vancouver  
Purchasing Services  
453 West 12th Avenue 1st Floor, City Hall Vancouver BC V5Y 1V4  
Phone:604-873-7263 Fax:604-873-7057  
E-mail: purchasing@vancouver.ca, http://vancouver.ca  
Internet Addr : http://vancouver.ca  
Notes: DEWB82  
Bonds: 10% Bid Bond, 50% Performance Bond, 50% Payment Bond.  
Plans available from: Owner (Public)  
Construction Document Links: Nanaimo Park Playground Upgrade  
Plans/Specs  
Additional features: The Work generally includes replacing the existing play equipment and surfacing, but is not limited to: ? Remove and dispose of off-site all existing play equipment and gravel surfacing Construction site to be securely fenced off by the contractor until Final Acceptance by the Board. (See Specification section 02050); ? Re-grade site to created berms; ? Install drainage lines in playground and connect to existing CB - Install sand play area with water spigot - Install new play equipment - Install boulders and log features; ? Install concrete edging - Install resilient surface wood chip surfacing - Install growing medium and plant material; and Provide secure fencing on the site until final completion of the work

## Manitoba

\*Agassiz Youth Centre Powerhouse Upgrades 353951  
2 River Road  
WINNIPEG, MB R2M 3Y9 CAN  
MB(DIVISION 11)  
201600402681 v3  
Action stage: \*  
Construction Documents  
Bid date: Valuation: H (1M to <3M)  
Target bid date: 02/01/2016  
Project delivery system: Design-Bid-Build  
Owner type: Local Government  
Project Overview  
Project type: Prison/Jail, Electric Substation.  
Report type: Project & ITEM  
Sub project count: 0  
First publish date: 01/06/2016  
Prior publish date: 01/07/2016  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Item Code: Boiler Installation, Heating Boilers, Pipe-All Types for Utilities, Piping-Brine,Ice Rink,Pwr,Proc, Planting, Pumping Sys-Water or Sewage.  
Item Category: PLUMBING/FIRE PROTECTION, PLUMBING/FIRE PROTECTION, SEWER/WATER PIPE, PLUMBING/FIRE PROTECTION, LANDSCAPE MATLS, WATER/SEWGE PLNT EQUIP.  
Status: Prequalifications from Prime Contractors closed to Architect on January 15 - Proposal schedule to short-listed proponents to be determined  
Status project delivery system: Design-Bid-Build  
Publish date: 01/18/2016  
Key Contacts and Bid Documents  
Submit bids to: Architect  
Architect: KGS Group  
865 Waverley, 3rd floor Winnipeg MB R3T 5P4  
Phone:204-896-1209 Fax:204-896-0754  
E-mail: kgs@ksgroup.com, http://www.ksgroup.com/  
Consultant: MERX  
Customer Support, Consultant  
38 Antares Drive Ottawa ON K2E 7V2  
Phone:613-727-4900 Fax:888-235-5800  
E-mail: merx@merx.com, http://www.merx.com  
Bidders must be registered with MERX to order documents and submit a bid. MERX is the sole source for documents. Register at www.merx.com.  
Owner (Public): Manitoba Finance Accommodation Services Division  
Kara Savage, Contracts Clerk  
7th Floor, 136 Market Avenue WINNIPEG MB R3B 0P4  
Phone:204-945-3707 Fax:204-948-3091  
E-mail: Kara.Savage@gov.mb.ca, http://tgs.gov.mb.ca/ctsold/tenders.aspx  
Notes: CRCN03 - NOTE: Registration to MERX Cana-

dian Public Tenders << https://www.merx.com/>> is required. You must be listed on the MERX Detailed Tracking Report (DTR) to Bid this project - The work will take place while the facility is still in operation. Therefore the selected contractor will be required to obtain and submit criminal record checks for all personnel that will be on site. Site personnel must also follow the required facility sign-in and security protocols during construction.  
Plans available from: Consultant  
Addenda receive date: AN-/205-J  
Additional features: Powerhouse upgrades at the Agassiz Youth Centre a corroboratively facility for young offenders - replacement of the two existing natural gas fired steam boilers - condensate receiver - boiler feed water pumps - ancillary equipment and piping in the Powerhouse

ITEM: Boiler Replacement (ACC - Victoria Campus) 002098-B1  
1430 Victoria Avenue East  
BRANDON, MB R7A 2A9 CAN  
MB(DIVISION 07)  
201500686874 v5  
Action stage: \*  
Bid Results  
Bid date: 01/15/2016 @ 02:00 PM CST  
Valuation: \$1,000,001 - 5,000,000  
Project delivery system: Design-Bid-Build  
Owner type: State  
Project Overview  
Project type: College/University.  
Report type: ITEM Only  
Sub project count: 0  
First publish date: 12/03/2015  
Prior publish date: 01/13/2016  
Publisher: Dodge Data & Analytics  
Type of Item: ALTERATION.  
Item Code: Boiler Replacement.  
Item Category: PLUMBING/FIRE PROTECTION.  
Status: Bids in and under review - Award possible within 30 to 60 days - Bid January 15  
Status project delivery system: Design-Bid-Build  
Publish date: 01/18/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Architect: SMS Engineering Ltd  
Darell Steinke  
770 Bradford St WINNIPEG MB R3H 0N3  
Phone:204-789-2323 Fax:204-772-2153  
Owner (Public): Manitoba Finance Accommodation Services Division  
Kara Savage, Contracts Clerk  
7th Floor, 136 Market Avenue WINNIPEG MB R3B 0P4  
Phone:204-945-3707 Fax:204-948-3091  
E-mail: Kara.Savage@gov.mb.ca, http://tgs.gov.mb.ca/ctsold/tenders.aspx  
Owner's Agent (Public): Manitoba Infrastructure & Transportation  
Contract Services  
1700 Portage Avenue WINNIPEG MB R3J 0E1  
E-mail: ASDContractServices@gov.mb.ca, http://tgs.gov.mb.ca/ctsold/tenders.aspx  
Notes: CRCN03  
Bonds: 10% Bid Bond.  
Plans available from: Owner's Agent (Pu)  
Items: Boiler Replacement  
\*Ste. Rose Primary Health Design/Build 340981  
603 First Avenue East  
Ste. Rose, MB R0L 1S0 CAN  
MB(DIVISION 17)  
200900578259 v6  
Action stage: \*  
Start  
Bid date: 10/08/2015 @ 02:00 PM CDT  
Valuation: \$1,000,000 - 5,000,000  
Project delivery system: Design/Build  
Target start date: \*  
03/01/2016  
Owner type: State  
Special conditions: LEED Intended  
Project Overview  
Project type: Hospital.  
Report type: Project  
Sub project count: 0  
First publish date: 06/23/2009  
Prior publish date: 10/09/2015

Estimate codes: B: \$100,000-\$199,999; C: \$200,000-\$299,999; D: \$300,000-\$399,999; E: \$400,000-\$499,999; F: \$500,000-\$749,999; G: \$750,000-\$999,999; H: \$1,000,000-\$2,999,999; I: \$3,000,000-\$4,999,999; J: \$5,000,000-\$9,999,999; K: \$10,000,000-\$14,999,999; L: \$15,000,000-\$24,999,999; M: \$25,000,000-\$49,999,999; N: \$50,000,000-No Maximum



## Dodge upcoming project reports

In co-operation with Dodge Analytics, the Canadian Design and Construction Report provides information on upcoming projects in the region. New project reports and information on projects in the planning stages are updated daily for McGraw-Hill Construction Dodge subscribers. Data copyright 2016 Dodge Analytics. Reprinted with permission.

**Dodge Analytics 613-727-4900 ext 4902 or 4953.**  
E-mail: mcgraw-hill@merx.com Web: www.construction.com

Publisher: Dodge Data & Analytics  
 Type of Work: Additions, Alterations  
 Status: Design/Build firm selected - Construction possible within 30 to 60 days - Bid October 8  
 Special conditions: LEED Intended  
 Status project delivery system: Design/Build  
 Publish date: 01/18/2016  
 Key Contacts and Bid Documents  
 Architect: Scott Howard Contracting Ltd.  
 Scott Howard, Owner  
 Box 5002 MORDEN  
 MB R6M 1Y9  
 Phone:204-332-3030 Fax:204-822-8046  
 E-mail: scott@shcontracting.ca, http://www.shcontracting.ca/  
 Email ID : scott@shcontracting.ca Internet Addr : http://www.shcontracting.ca/  
 Consultant: MERX  
 Customer Support, Consultant  
 38 Antares Drive Ottawa  
 ON K2E 7V2  
 Phone:613-727-4900 Fax:888-235-5800  
 E-mail: merx@merx.com, http://www.merx.com  
 Bidders must be registered with MERX to order documents and submit a bid. MERX is the sole source for documents. Register at www.merx.com.  
 General Contractor: Scott Howard Contracting Ltd.  
 Scott Howard, Owner  
 Box 5002 MORDEN  
 MB R6M 1Y9  
 Phone:204-332-3030 Fax:204-822-8046  
 E-mail: scott@shcontracting.ca, http://www.shcontracting.ca/  
 Email ID : scott@shcontracting.ca Internet Addr : http://www.shcontracting.ca/  
 Owner (Public): Prairie Mountain Health  
 Richard Ott - Director, Capital Planning  
 150 McTavish Ave. East Brandon  
 MB R7A 2B3  
 Phone:204-578-4581 Fax:204-578-4930  
 E-mail: ROtt@pmh-mb.ca, http://brandonrha.mb.ca  
 Email ID : otr@brandonrha.mb.ca Internet Addr : http://www.brandonrha.mb.ca/en/  
 Notes: CRCN03  
 Bonds: 10% Bid Bond. 50% Performance Bond. 50% Payment Bond.  
 Plans available from: Consultant  
 Structural Details  
 Structural information: 1 Building/ 1 Story above grade / 0 Story below grade / 773 Total square meter ft / Building Frame: Structural Steel  
 Additional features: Construction of a Primary Health Care Centre consisting of the demolition of part of an existing building and construction of a new building to accommodate Administration area - Shared area - Program Area - Staff Area - Support area - Water Sewer and Electrical tie-in - Voice and Data - Intrusion alarm - Telephone and data system - Site grading and drainage - Renovations to the west exit located in the medical and dental clinic to accommodate the link to the new addition - The existing medical and dental clinic building is to remain occupied during construction - HVAC - Mechanical - Electrical - Plumbing - Shipping and receiving

Health care facility (Reno) PR352675  
 1149 Leila  
 WINNIPEG, MB R2P 1S6 CAN  
 MB(DIVISION 11)  
 201500695875 v4  
 Action stage: \*  
 Bid Results  
 Bid date: 01/11/2016 @ 04:00 PM  
 Valuation: \$250,000  
 Project delivery system: Design-Bid-Build  
 Target start date: 02/01/2016  
 Owner type: Private  
 Project Overview  
 Project type: Nursing/Convalescent Center.  
 Report type: Project & ITEM  
 Sub project count: 0  
 First publish date: 12/16/2015  
 Prior publish date: 01/07/2016  
 Publisher: Dodge Data & Analytics  
 Type of Work: Interiors  
 Item Code: Elec Signs-Install. Elec Work. Mechanical Work. Plumbing Work.  
 Item Category: ELECTRICAL. ELECTRICAL. PLUMBING/FIRE PROTECTION.  
 PLUMBING/FIRE PROTECTION.  
 Status: Bids is and under review - Contract award antic-

ipated within 30-60 days ? Bids January 11  
 Status project delivery system: Design-Bid-Build  
 Publish date: 01/19/2016  
 Key Contacts and Bid Documents  
 Submit bids to: Architect  
 Architect: Local. Architecture + Design  
 Jacques Vrignon, Principal Architect  
 220 Borebank WINNIPEG  
 MB R3N 1E3  
 Phone:204-488-3507  
 E-mail: jvrignon@localdesign.ca, http://www.localdesign.ca/  
 Email ID : jvrignon@localdesign.ca Internet Addr : http://www.localdesign.ca/  
 Consultant: MERX  
 Customer Support, Consultant  
 38 Antares Drive Ottawa  
 ON K2E 7V2  
 Phone:613-727-4900 Fax:888-235-5800  
 E-mail: merx@merx.com, http://www.merx.com  
 Bidders must be registered with MERX to order documents and submit a bid. MERX is the sole source for documents. Register at www.merx.com.  
 Electrical Engineer: Nova 3 Engineering Ltd  
 Reception  
 201 - 120 Fort Street WINNIPEG  
 MB R3C 1C7  
 Phone:204-943-6142 Fax:204-942-1276  
 Mechanical Engineer: Nova 3 Engineering Ltd  
 Reception  
 201 - 120 Fort Street WINNIPEG  
 MB R3C 1C7  
 Phone:204-943-6142 Fax:204-942-1276  
 Owner (Private): St Joseph's Residence Inc  
 Jason Mangelsen - Manager, Support Services  
 1149 Leila Ave WINNIPEG  
 MB R2P 1S6  
 Phone:204-697-8031 Ext:234  
 E-mail: JMangelsen@sjri.ca, http://sjri.ca/  
 Email ID : JMangelsen@sjri.ca Internet Addr : http://sjri.ca/  
 Structural Engineer: Lavergne Draward & Associates - LDA  
 200 ? 193 Dumoulin Street WINNIPEG  
 MB R2H 0E4  
 Phone:204-947-2222 Fax:204-947-2522  
 E-mail: general@ldaeng.ca, http://www.ldaeng.ca/fund-us  
 Notes: DEWB43 NOTE: Registration to MERX Agencies, Crown & Private Corporations << https://www.merx.com/>> is required. You must be listed on the MERX Detailed Tracking Report (DTR) to Bid this project - The list of Prospective bidders is not available from regular sources - if you are GC bidding on this project please call -1-888-836-6623  
 Bonds: 10% Bid Bond. 50% Performance Bond. 50% Payment Bond.  
 Plans available from: Consultant  
 Addenda receive date: EC/-2/15-D  
 Additional features: 600 sq.ft overall renovation project interior renovation - The work is for a managed project involving an interior alteration to existing main and second storey tub rooms -four tub rooms in total- Work includes but is not limited to new openings in structural wall - plumbing, mechanical - electrical - installation of new tubs supplied by owner -new fixtures and finishes

R15 Petopek Creek Culvert & Roadworks Improvement 285220  
 Sta. 90+750 to Sta. 93+210  
 WINNIPEG, MB CAN  
 MB(DIVISION 11)  
 201300699548 v8  
 Action stage: Bid Results  
 Bid date: 01/14/2014 @ 12:00 PM CST  
 Valuation: F (500K to <750K)  
 Project delivery system: Design-Bid-Build  
 Target start date: 09/01/2014  
 Owner type: State  
 Project Overview  
 Project type: Paving. Site Development. Storm Sewer.  
 Report type: Project  
 Sub project count: 0  
 First publish date: 12/24/2013  
 Prior publish date: 09/16/2013  
 Publisher: Dodge Data & Analytics  
 Type of Work: Alterations  
 Status: Bids in and under review - Further action pending Owner's decision to proceed - Bid January 14  
 Status project delivery system: Design-Bid-Build

Publish date: 01/19/2016  
 Key Contacts and Bid Documents  
 Submit bids to: Owner (Public)  
 Engineer: AECOM (formerly UMA Engineering Ltd)  
 99 Commerce Drive Winnipeg  
 MB R3P 0Y7  
 Phone:204-284-0580 Fax:204-475-3636  
 http://www.aecom.com/  
 Owner (Public): Manitoba Conservation  
 Sarah-Jane Heke, ENG - CONSTRUCT  
 200-155 Carlton Street WINNIPEG  
 MB R3C 3H8  
 Phone:204-945-4639 Fax:204-945-7599  
 E-mail: sarah.heke@gov.mb.ca, http://www.gov.mb.ca/  
 Company Name : Manitoba Conservation Email ID : sarah.heke@gov.mb.ca Internet Addr : http://www.gov.mb.ca/  
 Notes: DEWB82  
 Plans available from: Owner (Public)  
 Additional features: generally of the construction of a new structural arch culvert over Petopek Creek and a new all season road from approximately Sta. 90+750 to Sta. 93+210

## Northern Canada

2 M - I Repairs PM017091  
 site not specified  
 SACHS HARBOUR, NT X0E 0Z0 CAN  
 NT(INUVIK)  
 201500517572 v8  
 Action stage: Bid Results  
 Bid date: 05/14/2015 @ 03:00 PM MDT  
 Valuation: F (500K to <750K)  
 Project delivery system: Design-Bid-Build  
 Owner type: State  
 Project Overview  
 Project type: Office.  
 Report type: Project  
 Sub project count: 0  
 First publish date: 05/06/2015  
 Prior publish date: 01/07/2016  
 Publisher: Dodge Data & Analytics  
 Type of Work: Alterations  
 Status: Bids in and under review - Contract award anticipated within 30-60 days - Bids May 14  
 Status project delivery system: Design-Bid-Build  
 Publish date: 01/15/2016  
 Key Contacts and Bid Documents  
 Submit bids to: Owner (Public)  
 Architect: Department of Public Works & Services  
 Contracts Administrator PSS, Procurement Shared S  
 Inuvik Regional Office 3rd Floor Perry Building Inuvik  
 NT X0E 0T0  
 Phone:867-777-7146 Fax:867-777-7109  
 E-mail: pssendersinuvik@gov.nt.ca Company Name : Department of Public Works & Services  
 Owner (Public): Department of Public Works & Services  
 Contracts Administrator PSS, Procurement Shared S  
 Inuvik Regional Office 3rd Floor Perry Building Inuvik  
 NT X0E 0T0  
 Phone:867-777-7146 Fax:867-777-7109  
 E-mail: pssendersinuvik@gov.nt.ca Company Name : Department of Public Works & Services  
 Notes: DEWB82 - Source requests all bid documents be obtained through their channels only - Documents for this project will not appear in the Dodge Global Network - The list of Prospective bidders is not available from regular sources - if you are GC bidding on this project please call -1-888-836-6623  
 Plans available from: Owner (Public)  
 Additional features: 2 M & I Repairs - Sachs Harbour

2 Unit Repairs M 1 CT441129  
 site not specified  
 INUVIK, NT X0E 0T0 CAN  
 NT(INUVIK)  
 201400591535 v17  
 Action stage: Bid Results  
 Bid date: 07/31/2014 @ 03:00 PM MDT  
 Valuation: F (500K to <750K)  
 Project delivery system: Design-Bid-Build  
 Target start date: 11/01/2014  
 Owner type: State  
 Project Overview  
 Project type: Apartments/Condominiums 1-3 Stories.  
 Report type: Project  
 Sub project count: 0  
 First publish date: 07/23/2014

Prior publish date: 01/07/2016  
 Publisher: Dodge Data & Analytics  
 Type of Work: Alterations  
 Status: Bid result not yet declared - Further action pending owner's decision to proceed - Bid July 31  
 Status project delivery system: Design-Bid-Build  
 Publish date: 01/15/2016  
 Key Contacts and Bid Documents  
 Submit bids to: Owner (Public)  
 Architect: Government of Northwest Territories  
 Procurement Shared Services  
 5015 - 44 St YELLOWKNIFE  
 NT X1A 2L9  
 Phone:867-873-7662 Fax:867-873-0257  
 E-mail: CLAYTON\_RAVNDAL@gov.nt.ca, http://www.constractregistry.nt.ca/Public/ListProc  
 Owner (Public): Government of Northwest Territories  
 Procurement Shared Services  
 5015 - 44 St YELLOWKNIFE  
 NT X1A 2L9  
 Phone:867-873-7662 Fax:867-873-0257  
 E-mail: CLAYTON\_RAVNDAL@gov.nt.ca, http://www.constractregistry.nt.ca/Public/ListProc  
 Notes: DEWB82 - Source requests all bid documents be obtained through their channels only - Documents for this project will not appear in the Dodge Global Network- The list of Prospective bidders is not available from regular sources - if you are GC bidding on this project please call -1-888-836-6623  
 Plans available from: Owner (Public)

Additional features: Supply, Ship & Erect  
 - 6 & 8 Bonnetplume  
 2014 Well No. 10 Wellhouse  
 Well No. 10  
 WHITEHORSE, YT CAN  
 YT (YUKON)  
 201400614793 v16  
 Action stage: Bid Results  
 Bid date: 09/02/2014 @ 04:00 PM PDT  
 Valuation: F (500K to <750K)  
 Project delivery system: Design-Bid-Build  
 Target start date: 10/01/2014  
 Owner type: Local Government  
 Project Overview  
 Project type: Water Treatment Plant.  
 Report type: Project  
 Sub project count: 0  
 First publish date: 08/18/2014  
 Prior publish date: 11/16/2015  
 Publisher: Dodge Data & Analytics  
 Type of Work: New Project  
 Status: Bids in and under review - Further action pending Owners decision to Proceed - Bid September 2  
 Status project delivery system: Design-Bid-Build  
 Publish date: 01/15/2016  
 Key Contacts and Bid Documents  
 Submit bids to: Owner (Public)  
 Architect: Stantec (formerly FSC Engineers & Architects)  
 Geoff Quinsey  
 107 Main Street Suite 202 WHITEHORSE  
 YT Y1A 2A7  
 Phone:867-633-2400 Fax:867-633-2481  
 E-mail: geoff.quinsey@stantec.com, http://www.stantec.com  
 Company Name : Stantec (formerly FSC Engineers & Architects) Email ID : geoff.quinsey@stantec.com Internet Addr : http://www.stantec.com  
 Owner (Public): City of Whitehorse  
 Manager of Financial Services  
 2121 Second Avenue WHITEHORSE  
 YT Y1A 1C2  
 Phone:867-667-6401 Fax:867-668-8398  
 http://www.city.whitehorse.yk.ca/  
 Company Name : City of Whitehorse Internet Addr : http://www.city.whitehorse.yk.ca/  
 Owner's Agent (Public): City of Whitehorse  
 Larry Shipman, C.E.T.  
 2121 Second Avenue WHITEHORSE  
 YT Y1A 1C2  
 Phone:867-668-8304 Fax:867-668-8386  
 http://www.city.whitehorse.yk.ca/  
 Notes: DEWB73 Source requests all bid documents be obtained through their channels only - Documents for this project will not appear in the Dodge Global Network - The list of Prospective bidders is not available from regular sources - if you are GC bidding on this project please call -1-888-836-6623  
 Plans available from: Owner (Public) - US\$ 50 deposit.

Estimate codes: B: \$100,000-\$199,999; C: \$200,000-\$299,999; D: \$300,000-\$399,999; E: \$400,000-\$499,999; F: \$500,000-\$749,999; G: \$750,000-\$999,999; H: \$1,000,000-\$2,999,999; I: \$3,000,000-\$4,999,999; J: \$5,000,000-\$9,999,999; K: \$10,000,000-\$14,999,999; L: \$15,000,000-\$24,999,999; M: \$25,000,000-\$49,999,999; N: \$50,000,000-No Maximum



## Dodge upcoming project reports

In co-operation with Dodge Analytics, the Canadian Design and Construction Report provides information on upcoming projects in the region. New project reports and information on projects in the planning stages are updated daily for McGraw-Hill Construction Dodge subscribers. Data copyright 2016 Dodge Analytics. Reprinted with permission.

**Dodge Analytics 613-727-4900 ext 4902 or 4953.**  
E-mail: mcgraw-hill@merx.com Web: www.construction.com

### non-refundable

Additional features: The provision and installation of the well house, site grading and exfiltration pit, mechanical systems including vertical turbine raw water pump, raw water pipe, valves and appurtenances, fire protection and ventilation systems, electrical systems including power distribution, instrumentation, heating, lighting, control and SCADA communication equipment

2014-15 Help Unit Major Repairs PM016166  
Lot 04 - Blk 33  
DELIN, NT CAN  
NT(INUVIK)  
201400514105 v15

Action stage: Bid Results  
Bid date: 05/07/2014 @ 03:00 PM PDT  
Valuation: F (500K to <750K)  
Project delivery system: Design-Bid-Build  
Target start date: 06/01/2014

Owner type: State  
Project Overview  
Project type: Paving, Runway/Taxiway, Storage Tank (Other).

Report type: Project

Sub project count: 0

First publish date: 05/05/2014

Prior publish date: 11/17/2015

Publisher: Dodge Data & Analytics

Type of Work: Alterations

Status: Bids in and under review - Further action pending Owners decision to Proceed - Bids May 7

Status project delivery

system: Design-Bid-Build

Publish date: 01/15/2016

Key Contacts and Bid Documents

Submit bids to: Owner (Public)

Engineer: Northwest Territories Housing Corporation

John Kivi, Technical Manager

Sahtu District #4 Caribou Crescent Norman Wells

NT

XOE 0V0

Phone:867-587-5116 Fax:867-587-5101

E-mail: JOHN\_KIVI@gov.nt.ca

Owner (Public): Northwest Territories Housing Corporation

Crystal Wegernoski, Contracts Admin.

Sahtu District #4 Caribou Crescent Norman Wells

NT

XOE 0V0

Phone:867-587-5100 Fax:867-587-5101

E-mail: CRYSTAL\_WEGERNOSKI@gov.nt.ca

Notes: DEWB43

Plans available from: Owner (Public)

Additional features: The following scope is to include but not be limited to the following: leveling unit, driveway and gravel foundation repairs, repairs to exterior corner of unit, removal and re-installation of sewage holding tank, heating fuel storagetank etc,

2014-15 M & I - 2 Units #21 & 23 Renovation  
CT441112

site not specified

PALATUK, NT XOE 1N0 CAN

NT(INUVIK)

201400543120 v18

Action stage: Bid Results

Bid date: 06/12/2014 @ 03:00 PM PDT

Valuation: F (500K to <750K)

Project delivery system: Design-Bid-Build

Owner type: State

Project Overview

Project type: Apartments/Condominiums 1-3 Stories.

Report type: Project

Sub project count: 0

First publish date: 06/03/2014

Prior publish date: 11/17/2015

Publisher: Dodge Data & Analytics

Type of Work: Alterations

Status: Bids in and under review - Further action pending Owners decision to Proceed - Bids June 12

Status project delivery

system: Design-Bid-Build

Publish date: 01/15/2016

Key Contacts and Bid Documents

Submit bids to: Owner (Public)

Architect: Department of Public Works & Services

Contracts Administrator PSS, Procurement Shared S

Inuvik Regional Office 3rd Floor Perry Building Inuvik

NT XOE 0T0

Phone:867-777-7146 Fax:867-777-7109

E-mail: pstendersinuvik@gov.nt.ca Company Name :

Department of Public Works & Services  
Owner (Public): Department of Public Works & Services

Contracts Administrator PSS, Procurement Shared S  
Inuvik Regional Office 3rd Floor Perry Building Inuvik

NT XOE 0T0

Phone:867-777-7146 Fax:867-777-7109

E-mail: pstendersinuvik@gov.nt.ca Company Name :

Department of Public Works & Services  
Notes: DEWB43 Source requests all bid documents be obtained through their channels only - Documents for this project will not appear in the Dodge Global Network- The list of Prospective bidders is not available from regular sources - if you are GC bidding on this project please call -1-888-836-6623

Plans available from: Owner (Public)  
Additional features: M & I Renovation, doors, flooring, bathroom, plumbing, electrical upgrade

Project delivery system: Design-Bid-Build  
Target start date: 02/01/2016

Owner type: Local Government

Project Overview

Project type: Paving, Sidewalk/Parking Lot, Storm

Sewer, Sanitary Sewer, Water Line.

Report type: Project

Sub project count: 0

First publish date: 01/11/2016

Prior publish date: 01/12/2016

Publisher: Dodge Data & Analytics

Type of Work: Alterations

Status: Bids to Owner January 26 at 2:00 PM (EST)

Status project delivery

system: Design-Bid-Build

Publish date: 01/22/2016

Key Contacts and Bid Documents

Submit bids to: Owner (Public)

Engineer: Norfolk County

Jeff Demeulemeester, EngPrgrmsSupervisor

183 Main Street DELHI

ON N4B 2M3

Phone:519-582-2100 Ext:1609 Fax:519-582-4751

E-mail: jeff.demeulemeester@norfolkcounty.ca,

http://www.norfolkcounty.ca/business/bidding-oppo

Owner (Public): Norfolk County

Shelley Darlington, Mgr Corp. Services

50 Colborne Street South (Administration Building)

SIMCOE

ON N3Y 4H3

Phone:519-582-2100 Ext:1320 Fax:519-582-4751

E-mail: shelley.darlington@norfolkcounty.ca,

http://www.norfolkcounty.ca/business/bidding-oppo

Internet Addr :  
http://www.norfolkcounty.ca/business/bidding-oppo

Notes: DEWB82

Plans available from: Owner (Public) - USS 75 deposit.

non-refundable

Additional features: The Corporation of Norfolk

County is seeking Bids for the reconstruction of Main

Street from Chapman Street to Harbour Street and Clin-

ton Street in Port Dover, Norfolk County. The work in-

cludes thereplacement of watermain, replacement of

sanitary sewer, some storm sewer adjustment, new curb

and gutter, and replacement of sidewalks.

Elements Restaurant - Washroom Upgrade

T201314014HP

6650 Niagara Parkway

NIAGARA FALLS, ON L2G 4C8 CAN

ON(NIAGARA)

201400420060 v13

Action stage: Bid Results

Bid date: 02/11/2014 @ 02:00 PM EST

Valuation: G (750K to <1M)

Project delivery system: Design-Bid-Build

Target start date: 03/01/2014

Owner type: Private

Project Overview

Project type: Food/Beverage Service, Miscellaneous

Recreational.

Report type: Project

Sub project count: 0

First publish date: 01/29/2014

Prior publish date: 07/22/2015

Publisher: Dodge Data & Analytics

Type of Work: Alterations

Status: Bids in and under review - Further action pending

Owner's decision to Proceed - GC Bid February 11

Status project delivery

system: Design-Bid-Build

Publish date: 01/22/2016

Key Contacts and Bid Documents

Submit bids to: Owner (Private)

Architect: Quartek Group Inc

Robert MacKenzie, Dir. Architecture

360 York Road Suite C5 SS#4 Niagara-On-The-Lake

ON LOS 1J0

Phone:905-984-8676 Fax:905-682-5896

E-mail: rmack@quartekgroup.com, http://www.quar-

tekgroup.com

Electrical Engineer: Quartek Group Inc

Robert MacKenzie, Dir. Architecture

360 York Road Suite C5 SS#4 Niagara-On-The-Lake

ON LOS 1J0

Phone:905-984-8676 Fax:905-682-5896

E-mail: rmack@quartekgroup.com, http://www.quar-

tekgroup.com

Owner (Private): Niagara Parks Commission

Henry Paulino

7856 Portage Road South NIAGARA FALLS

ON L2E 6T2

Phone:905-295-4377 Ext:225 Fax:905-295-4142

E-mail: procurement1@niagaraparks.com,

http://www.niagaraparks.com

Internet Addr : http://www.niagaraparks.com

Notes: DEWB82 - Mandatory Site Walk-Through Visit

January 30 at 10:00 AM (EST) at The Elements on the

Falls Restaurant is located in the Table Rock Welcome

Centre located at 6650 Niagara Parkway, Niagara Falls,

Ontario, Canada -

Bonds: 10% Bid Bond. 50% Performance Bond. 50%

Payment Bond.

Plans available from: Owner (Private)

Additional features: The scope of work includes the in-

terior renovation of the Men's and Women's Wash-

room at the main entrance of the Elements on the Falls

Restaurant

Our Lady Of The Rosary Catholic School Alterations

2014-57-T

206 GREENSHIELDS AVENUE

VAUGHAN, ON L4K 1T8 CAN

ON(YORK)

201400414528 v11

Action stage: Bid Results

Bid date: 02/06/2014 @ 12:00 PM EST

Valuation: F (500K to <750K)

Project delivery system: Design-Bid-Build

Target start date: 07/01/2014

Target complete date: 04/01/2014

Owner type: State

Project Overview

Project type: Primary School, Middle/Senior High

School.

Report type: Project

Sub project count: 0

First publish date: 01/22/2014

Prior publish date: 10/02/2015

Publisher: Dodge Data & Analytics

Type of Work: Alterations

Status: Contract Award not yet declared - Further action

pending owner's decision to proceed - Bid February 6

Status project delivery

system: Design-Bid-Build

Publish date: 01/22/2016

Key Contacts and Bid Documents

Submit bids to: Owner (Public)

Architect: Saccoccio Wepler Architects Inc

Paul Wepler, Architect

6534 Kingston Road SCARBOROUGH

ON M1C 1L4

Phone:416-282-1197 Fax:416-282-7697

E-mail: paul@swarchitects.ca

Electrical Engineer: MCW Consultants Ltd.

David Bellamy, P.Eng., CEO

207 Queens Quay W Suite 615 Toronto

ON M5J 1A7

Phone:416-598-2920 Fax:416-598-5394

E-mail: mcw\_tor@mcw.com, http://www.mcw.com

Mechanical Engineer: MCW Consultants Ltd.

David Bellamy, P.Eng., CEO

207 Queens Quay W Suite 615 Toronto

ON M5J 1A7

Phone:416-598-2920 Fax:416-598-5394

E-mail: mcw\_tor@mcw.com, http://www.mcw.com

Owner (Public): York Catholic District School Board

Kevin Moyle, Sr Pur Specialist

320 Bloomington Road West AURORA

ON L4G 0M1

Phone:905-713-2711 Fax:905-713-1269

E-mail: Kevin.Moyle@ycdsb.ca, http://www.ycdsb.ca

Internet Addr : http://www.ycdsb.ca

Structural Engineer: Stephenson Engineering Ltd

Aron McCallum, Principal

2550 VICTORIA PARK SUITE 602 Toronto

ON M2J 5A9

Phone:416-635-9970 Fax:416-635-9985

E-mail: amccallum@stephenson-eng.com,

http://www.stephenson-eng.com/

Internet Addr : http://www.stephenson-eng.com/

Notes: DEWB82 Mandatory Site Meeting January 22 at

3:30 PM (EST) at Main Office - Our Lady of the

Rosary Catholic School - 206 Glenshields Avenue -

Vaughan -

Additional features: ALTERATIONS FOR FDK OUR

LADY OF THE ROSARY CATHOLIC SCHOOL

Lynn Valley Trail Gates Install CSDPFR1403

Lynn Valley

SIMCOE, ON CAN

ON(HALDIMAND-NORFOLK)

201400414853 v12

Action stage: Bid Results

Bid date: 01/31/2014 @ 02:00 PM EST

Valuation: F (500K to <750K)

Project delivery system: Design-Bid-Build

Target start date: 10/01/2014

Owner type: Local Government

Project Overview

Project type: Site Development.

Report type: Project

Sub project count: 0

First publish date: 01/23/2014

Prior publish date: 07/22/2015

Publisher: Dodge Data & Analytics

Type of Work: Alterations

Status: Bids in and under review - Further action pending

on Owner decision to be declared - Bids January 31

Status project delivery





## Dodge upcoming project reports

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E-mail: mcgraw-hill@merx.com Web: www.construction.com

9825 rue Verville Montreal  
QC H3L 3E1  
Phone:514-383-3747 Fax:514-383-8760  
E-mail: info@bpa.ca, http://www.bpa.ca  
Owner (Public): Universite Concordia  
Eric Boulanger, Administration  
1455 Boul Maisonneuve Montreal  
QC H3G 2L8  
Phone:514-848-2424 Ext:3733  
E-mail: eric.boulanger@concordia.ca, http://www.concordia.ca/  
Email ID : eric.boulanger@concordia.ca  
Notes: DEWB20 Source request all bid documents be obtained through their channels only - Documents for this project will not appear in the Dodge Global Network  
Bonds: 10% Bid Bond. 5% Performance Bond.  
Additional features: Modification a plusieurs laboratoires de chimie — Campus Loyola — Modification of chemical laboratories at the Loyola campus

Apartment - Habitation Anne-Greenup - Phase 5  
301797  
1621 & 1629 Paxton  
MONTREAL, QC H3J 2Z9 CAN  
QC(COMMUNAUTE-URBAINE-DE-MONTREAL)  
201300400312 v14  
Action stage: Bid Results  
Bid date: 01/24/2013 @ 11:00 AM EST  
Valuation: \$101,588 - 203,176  
Project delivery system: Design-Bid-Build  
Target start date: 01/01/2015  
Owner type: Private  
Project Overview  
Project type: Apartments/Condominiums 1-3 Stories.  
Report type: Project  
Sub project count: 0  
First publish date: 01/02/2013  
Prior publish date: 05/28/2015  
Publisher: Dodge Data & Analytics  
Type of Work: Interiors  
Status: Bids in and Under review - Further action pending on Owner's decision to proceed - Bid January 24  
Status project delivery system: Design-Bid-Build  
Publish date: 01/20/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Architect: Andre Laverdiere, Architecte  
Andre Laverdiere, Architecte  
4296 avenue Laval Montreal  
QC H2W 2J5  
Phone:514-849-7135  
Engineer: MLC & Associes  
Francis Leclerc, Ingenieur  
1200 Boul. Chomedey Bureau 950 Laval  
QC H7V 3Z3  
Phone:450-687-7077 Fax:450-687-5700  
Owner (Public): OMH de Montreal  
Sylvie Gaudette, Administration  
5800 rue St Denis Suite 104 Montreal  
QC H2S 3L5  
Phone:514-872-7035 Fax:514-868-3205  
E-mail: sylvie.gaudette@omhm.qc.ca,  
http://www.omhm.qc.ca/wps/wcm/connect/principal/OM  
Email ID : sylvie.gaudette@omhm.qc.ca  
Owner's Agent (Public): OMH de Montreal  
Tina Fiore, Administration  
5800 rue St Denis Suite 104 Montreal  
QC H2S 3L5  
Phone:514-648-9505 Fax:450-872-9342  
E-mail: tina.fiore@omhm.qc.ca,  
http://www.omhm.qc.ca/wps/wcm/connect/principal/OM  
Email ID : tina.fiore@omhm.qc.ca  
Notes: DEWB89 - Source request all bid documents be obtained through their channels only - Documents for this project will not appear in the Dodge Global Network - The list of prospective bidders is not available from regular sources - if you are GC bidding on this project please call - 1-888-836-6623  
Plans available from: Owner (Public) - USS 40 deposit.  
Additional features: Mises aux normes - Phase 5 — Providing upgrades - Phase 5

## Saskatchewan

1212 Redland Avenue Dwelling 113  
1212 Redland Avenue  
MOOSE JAW, SK CAN  
SK(DIVISION 07)

201400613710 v14  
Action stage: Bid Results  
Bid date: 08/19/2014 @ 02:00 PM CST  
Valuation: F (500K to <750K)  
Project delivery system: Design-Bid-Build  
Owner type: Local Government  
Project Overview  
Project type: Paving.  
Report type: Project  
Sub project count: 0  
First publish date: 08/15/2014  
Prior publish date: 01/07/2016  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Status: Bids in and under review - Further action pending Owners decision to Proceed - Bids August 19  
Status project delivery system: Design-Bid-Build  
Publish date: 01/15/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Engineer: City of Moose Jaw  
Monica White  
228 Main Street North MOOSE JAW  
SK S6H 3J8  
Phone:306-694-4501  
E-mail: mwhite@moosejaw.ca,  
http://www.moosejaw.ca/  
Email ID : mwhite@moosejaw.ca Internet Addr :  
http://www.moosejaw.ca/  
Owner (Public): City of Moose Jaw  
Monica White  
228 Main Street North MOOSE JAW  
SK S6H 3J8  
Phone:306-694-4501  
E-mail: mwhite@moosejaw.ca,  
http://www.moosejaw.ca/  
Email ID : mwhite@moosejaw.ca Internet Addr :  
http://www.moosejaw.ca/  
Notes: DEWB82  
Plans available from: Owner (Public)  
Additional features: demolition of the dwelling at 1212 Redland Ave

2 Sports Field Lighting (Supply - Install) 00077  
1200 Manitoba Street West  
MOOSE JAW, SK CAN  
SK(DIVISION 07)  
201400483970 v17  
Action stage: Bid Results  
Bid date: 04/17/2014 @ 02:00 PM CST  
Valuation: C (200K to <300K)  
Project delivery system: Design-Bid-Build  
Target start date: 07/01/2014  
Owner type: Local Government  
Project Overview  
Project type: Roadway Lighting.  
Report type: Project  
Sub project count: 0  
First publish date: 04/03/2014  
Prior publish date: 01/07/2016  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Status: Bids in and under review - Further action pending Owners decision to Proceed - Bid April 17  
Status project delivery system: Design-Bid-Build  
Publish date: 01/15/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Engineer: City of Moose Jaw  
Sandy Campbell, Project Manager  
228 Main Street North MOOSE JAW  
SK S6H 3J8  
Phone:306-694-4436 Fax:306-694-4480  
E-mail: scampbell@moosejaw.ca, http://www.moosejaw.ca/  
Email ID : Scampbell@city.moose-jaw.sk.ca  
Owner (Public): City of Moose Jaw  
Sandy Campbell, Project Manager  
228 Main Street North MOOSE JAW  
SK S6H 3J8  
Phone:306-694-4436 Fax:306-694-4480  
E-mail: scampbell@moosejaw.ca, http://www.moosejaw.ca/  
Email ID : Scampbell@city.moose-jaw.sk.ca  
Notes: DEWB43 - The list of Prospective bidders is not available from regular sources - if you are GC bidding on this project please call -1-888-836-6623  
Plans available from: Owner (Public)  
Additional features: supply and install all materials required to add sports lighting to the 2 Sports Fields lo-

cated at 1200 Manitoba Street West for the City of Moose Jaw.

2014 Research Drive Landscape Improvements IP1402  
Research Drive, Innovation Place  
REGINA, SK CAN  
SK(DIVISION 06)  
201400500396 v18  
Action stage: Bid Results  
Bid date: 04/24/2014 @ 02:00 PM CST  
Valuation: F (500K to <750K)  
Project delivery system: Design-Bid-Build  
Target start date: 06/01/2014  
Target complete date: 09/01/2014  
Owner type: Private  
Project Overview  
Project type: Landscaping.  
Report type: Project  
Sub project count: 0  
First publish date: 04/21/2014  
Prior publish date: 01/11/2016  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Status: Bids in and under review - Further action pending Owners decision to Proceed - Bid April 24  
Status project delivery system: Design-Bid-Build  
Publish date: 01/15/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Private)  
Engineer: Innovation Place  
Wayne Rempel, Proj Manager  
140 - 10 Research Drive REGINA  
SK S4S 7J7  
Phone:306-787-8279 Fax:306-787-8601  
E-mail: wrempe@innovationplace.com Email ID :  
wrempe@innovationplace.com  
Owner (Private): Innovation Place  
Wayne Rempel, Proj Manager  
140 - 10 Research Drive REGINA  
SK S4S 7J7  
Phone:306-787-8279 Fax:306-787-8601  
E-mail: wrempe@innovationplace.com Email ID :  
wrempe@innovationplace.com  
Notes: DEWB43 - The list of Prospective bidders is not available from regular sources - if you are GC bidding on this project please call -1-888-836-6623  
Plans available from: Owner (Private)  
Additional features: supply and install landscape irrigation - sodding - planting and mulch for the area adjacent to Research Drive located at Innovation Place in Regina, Saskatchewan

Civic Centre Building System Improvements  
NBCC2015  
1902 104 Street  
NORTH BATTLEFORD, SK S9A 3X4 CAN  
SK(DIVISION 16)  
201500433626 v10  
Action stage: Bid Results  
Bid date: 03/17/2015 @ 02:00 PM CST  
Valuation: F (500K to <750K)  
Project delivery system: Design-Bid-Build  
Owner type: Local Government  
Project Overview  
Project type: Capitol/ Courthouse/City Hall.  
Report type: Project  
Sub project count: 0  
First publish date: 02/11/2015  
Prior publish date: 01/11/2016  
Publisher: Dodge Data & Analytics  
Type of Work: Alterations  
Status: Bids in and Under review - Further action pending Owner's decision to proceed - GC Bids to Owner March 17  
Status project delivery system: Design-Bid-Build  
Publish date: 01/15/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Architect: Concentric Engineering and Consulting (Engineer)  
3530 Millar Avenue Unit 400 SASKATOON  
SK S7P 0B6  
Phone:306-343-5500 Fax:306-343-3601  
E-mail: gina@concentriceng.com, http://www.concentriceng.com/  
Internet Addr : http://www.concentriceng.com/  
Owner (Public): City of North Battleford  
Debbie Wohlberg, City Clerk  
1291 101st Street NORTH BATTLEFORD  
SK S9A 2Y6

Phone:306-445-1700 Fax:306-445-0411  
E-mail: dwohlberg@cityofnb.ca,  
http://www.cityofnb.ca/  
Internet Addr : http://www.cityofnb.ca/  
Notes: DEWB40  
Plans available from: Owner (Public)  
Additional features: Remove damaged wooden roof canopy on SW corner, replace with new wooden roof - Remove 7 existing steam heater units and replace with new Trane (or equivalent) heating units - Remove old sealant and replace with new sealant around but not limited to cladding, doors, windows, joints, vents and all exterior fixtures - Upgrade distribution panels

St Brioux School Addition/Renovation 2815  
501 - 3 Ave  
SAINT BRIEUX, SK S0K 3V0 CAN  
SK(DIVISION 15)  
201500543941 v12  
Action stage: Bid Results  
Bid date: 06/26/2015 @ 02:00 PM CST  
Valuation: \$5,353,617  
Project delivery system: Design-Bid-Build  
Target start date: 07/01/2015  
Owner type: State  
Project Overview  
Project type: Middle/Senior High School.  
Report type: Project  
Sub project count: 0  
First publish date: 06/03/2015  
Prior publish date: 01/12/2016  
Publisher: Dodge Data & Analytics  
Type of Work: Additions, Alterations  
Status: Bids in and under review - Further action pending Owner's decision to proceed - Bids June 26  
Status project delivery system: Design-Bid-Build  
Publish date: 01/15/2016  
Key Contacts and Bid Documents  
Submit bids to: Owner (Public)  
Architect: Henry Downing Howlett Architects HDH (Architect)  
2233 Avenue C North Saskatoon  
SK S7L 5Z2  
Phone:306-652-5044 Fax:306-665-0082  
E-mail: manager@hdharchitects.ca, http://www.hdharchitects.ca  
Electrical Engineer: Ritenburg and Associates Ltd.  
M.R.Leo, Eng  
200-2222 Albert Street REGINA  
SK S4P 2V2  
Phone:306-569-1303 Fax:306-569-1307  
E-mail: ral@ritenburg.com, http://www.ritenburg.com  
Mechanical Engineer: HDA Engineering (Eng Consul)  
1580 Angus Street Regina  
SK S4T 1Z1  
Phone:306-525-9815 Fax:306-525-6369  
E-mail: hda@hdaeng.com, http://hdaeng.com/  
Owner (Public): Horizon School Div No 205 (formerly Lanigan No 40)  
Joan P. Adams, Secretary Treasurer  
PO Box 100 - 110 Main Street Lanigan  
SK S0K 2M0  
Phone:306-365-2015 Fax:306-365-2808  
E-mail: joan.adams@gov.sk.ca, http://hdsd.ca  
Structural Engineer: Brownlee Beaton Kreke  
S.G Kilback, P.Eng  
400 - 4010 Pasqua Street Regina  
SK S4S 7B9  
Phone:306-584-8833 Fax:306-586-9477  
E-mail: bbkregina@bbkeng.ca and Rob Beaton  
rob@bbkeng.ca and Garry Kreke garry@bbkeng.ca are  
Principal Engineers in charge of the Regina Email:  
bbkregina@bbkeng.ca <mailto:bbkregina@bbkeng.ca>  
Notes: DEWB40  
Plans available from: Owner (Public)  
Structural Details  
Structural information: 1 Building/ 2 Stories above grade / 0 Story below grade / 3,874 Total square meter / Building Frame: Wood  
Additional features: The work includes additions of 203 square meters and 765 square meters, plus 1,270 square meters of renovations

Estimate codes: B: \$100,000-\$199,999; C: \$200,000-\$299,999; D: \$300,000-\$399,999; E: \$400,000-\$499,999; F: \$500,000-\$749,999; G: \$750,000-\$999,999; H: \$1,000,000-\$2,999,999; I: \$3,000,000-\$4,999,999; J: \$5,000,000-\$9,999,999; K: \$10,000,000-\$14,999,999; L: \$15,000,000-\$24,999,999; M: \$25,000,000-\$49,999,999; N: \$50,000,000-No Maximum

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