



Baskin Associates Technical Services Ltd.  
103 – 19162 – 22<sup>nd</sup> Avenue  
Surrey, BC V3S 3S6  
T 604 541-3770  
F 604 541-3728  
[www.baskinassociates.ca](http://www.baskinassociates.ca)

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## **BASKIN ASSOCIATES TECHNICAL SERVICES LTD. COMPANY BRIEF**

### **HISTORY**

Craig D. Baskin, founder of Baskin Associates Technical Services Ltd. has over 25 years of experience working in and around the construction industry and has become a specialist in developing, implementing and auditing quality management systems. Mr. Baskin started his career in the consulting engineering sector designing, testing and inspecting construction materials and now has over 15 years of experience in the construction sector. Mr. Baskin has gained expertise in working with contractors, engineers and owners in identifying the potential hazards associated with managing the processes related to projects and businesses, and then developing quality, safety and environmental management plans to mitigate the risks.

Mr. Baskin is a trained ISO Lead Auditor and his team is committed to the philosophy that earning trust with clients is the first principle of doing business. Baskin Associates continues to earn trust with clients by producing high-quality; value-added work that exceeds expectations.

As more contractors recognize the benefits of establishing *project-specific* quality control programs for Safety, Environment and Traffic Management, companies are also seeking to establish Quality Management Systems for their businesses as important cost-effective means of competing in their local and national markets. Baskin Associates' team of technical and engineering staff pull from their variety of experience in consulting, contracting, materials supply and government to provide specialty services in creating and monitoring quality systems and with Baskin Associates ability to pull from a network of experts in specialty engineering, and technical support they are setup to meet this increasing demand.

### **QUALITY, SAFETY, ENVIRONMENTAL AND TRAFFIC MANAGEMENT SERVICES**

Over the last 10 years, Mr. Baskin has developed management plans covering Quality, Safety, Environment and Traffic Control for more than one hundred projects in British Columbia, Alberta and Washington State. These projects include work for Federal, Provincial, Municipal, and Private Producers, Contractors and Owner's as well as US Army Corp of Engineers (USACE), Environmental Protection Agency (EPA) and Washington State. Baskin Associates services include:

- Assisting in identifying the potential risks involved in administering projects or managing organizations including Quality, Environmental, Safety and Traffic risks;

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- Preparing management systems to mitigate the identified risks including preparation of:
    - ISO based Quality Management Plans,
    - Environmental Management Plans meeting environmental legislation,
    - ISO and CSA based Safety Management Plans, and
    - BC Ministry of Transportation Traffic Management Plans.
  - Working at the project site or office level to assist in:
    - Providing a Quality Control Manager and/or Quality Control Coordinator on-site during work which must be tested or inspected in-process, and
    - Providing or coordinating the required construction materials testing or inspection services necessary to confirm materials, workmanship or defined processes comply with the project specifications or business requirements.
  - Assisting in managing the documentation and records required to verify compliance to the above Quality, Safety, Environmental and Traffic management plans.

## **QUALITY CONTROL / QUALITY ASSURANCE SERVICES**

Quality Control and Quality Assurance services provided by Baskin Associates technical team in support of construction operations include:

- Designing, testing and inspection of Portland cement concrete mixtures, expanding grouts, shotcrete (gunnite), masonry mortars and grout, high performance concrete;
- Condition surveys and destructive/non-destructive testing of hardened concretes, impact hammer testing, and coring, reinforcing location and cover in hardened concrete using magnetic resonance equipment;
- Reinforcing inspection pre-stressed and post-tensioned cable inspection and testing;
- Testing and inspection of soils including nuclear density testing, standard and modified Proctors, grain size analyses, and other specialty soils tests;
- Testing and inspection of asphalt concrete pavement including establishing of rolling patterns, determination of Marshall and Superpave mix properties and density determinations;
- Performing pre-construction condition surveys; and
- Preparation of data management systems and reports used to assess and verify compliance to specific design or project requirements.

## **ENGINEERING AND LABORATORY TESTING SERVICES**

Baskin Associates head office laboratory is CCIL certified and managed under the direction of a Professional Engineer. Laboratory testing services include:

- Designs and testing of Portland cement concrete mixes to the Canadian Standards Associates (CSA) requirements;
- Design and testing of asphalt concrete mixes to American Association of State Highway and Transportation Officials (AASHTO) and ASTM standards; and
- Testing of soil and aggregate materials to CSA and ASTM International Standards.



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## **MOBILE TESTING AND INSPECTION SERVICES**

To meet the needs of remote project sites while minimizing the costs and inefficiencies associated with travelling to and from project sites, Baskin Associates has been an industry leader in designing state of the art mobile testing laboratories. Baskin Associates' mobile laboratories are designed to be secure and self-sufficient in terms of power and equipment so they can service the project site for the duration of the project.

Having a mobile testing laboratory on a construction site provides a significant advantage to the project team as it provides immediate turn-around of the results of testing and inspections. Having the results quicker and Baskin staff on site allows operational decisions to be made more efficiently ensuring that only products meeting the project requirements are put into service and minimizes the risks and costs associated with reconstruction and delays.

Baskin Associates has also set up a coring trailer that is fully equipped to handle both large and small sample retrieval needs.

## **ENVIRONMENTAL MANAGEMENT SERVICES**

Baskin Associates under the direction of a Registered Professional Biologist (RP Bio) provides detailed Construction Environmental Management Plans (CEMP) to meet the applicable environmental legislations related to water quality and erosion control. In addition to the CEMP, Baskin Associates has expertise in preparing Environmental Work Plans (EWPs) which provide a description of work to be performed, water runoff and drainage features and details of what measures are required be put into place to control water runoff and drainage management. EWPs are also used for worker orientation when working within the ESAs.

Baskin Associates has a team of Environmental Monitors available to work with clients to ensure construction activities are performed in compliance to the CEMP and EPW's.

## **TRAFFIC MANAGEMENT SERVICES**

Baskin Associates under the direction of a Traffic Engineer with membership in the Institute of Transportation has significant experience in preparing Traffic Management Plans and Traffic Control Drawings meeting the requirements of BC Ministry of Transportation and Infrastructure, Alberta Infrastructure and Transportation and Parks Canada regulations.



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## CLIENTS AND PROJECT CONTACTS

### PROJECT OWNERS

- BC Hydro and Power Authority
- BC Ferry Corporation
- Ministry of Transportation
- BC Transmission Corporation
- Public Works and Government Services Canada
- Vancouver International Airport Authority
- Victoria Airport Authority
- Greater Vancouver Regional District
- Capital Regional District
- CP Rail
- Fraser River Port Authority
- Delta Port
- Town of Golden
- Port of Tacoma
- US Army Corp of Engineers c/o Glenn Springs Holdings
- City of Langley, BC
- Corporation of Delta, BC
- City of Surrey, BC
- City of Victoria, BC
- City of Nanaimo, BC
- City of Tacoma, WA
- City of Kent, WA
- City of Seattle, WA
- Defence Construction (1951) Ltd.
- City of Vancouver, BC
- Parks Canada

### CONTRACTORS

- Bilfinger Berger (Canada) Inc.
- Jacob Bros. Construction Ltd.
- Ledcor CMI Ltd.
- JJM Construction Ltd.
- Island Asphalt Ltd.
- Farmer Construction Ltd.
- Miller Contracting Inc. (US)
- PCL Contractors
- Lark Group
- Standard General Construction
- Delta Tug and Barge
- Brentwood Enterprises
- Kiewit Flatiron Partnership
- Tybo Construction
- Graham Construction
- Deltaport Constructors
- Dufferin Construction.
- Columbia Bitulithic
- Winvan Paving
- JJM Maintenance Ltd.
- Wilder Construction Ltd. (US)
- Island Crushing Ltd.
- Tayco Paving Ltd.
- Imperial Paving Ltd.
- Mainland Sand & Gravel
- Ruskin Construction Ltd.
- Cantex-Okanagan
- Cougar Rock Contracting
- Tyam Group
- Southwest Contracting

### ENGINEERS

- Urban Systems Ltd.
- AMEC
- Ennova Structural Engineers
- AECOM
- Golder Associates
- Scouten Engineering



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## **BASKIN ASSOCIATES CONTACTS**

### **Mr. Craig D. Baskin**

Principal

Office 604 541-3770

Cell: 604 649-8751

Email: [craig@baskinassociates.ca](mailto:craig@baskinassociates.ca)

### **Ms. Emily Worden Kwok, P.Eng.**

Manager Engineering and Laboratory Services

Office 604 541-3770

Cell: 604 230-2263

Email: [ekwok@baskinassociates.ca](mailto:ekwok@baskinassociates.ca)

