

17 September 2020

Re: BCIT Civil Engineering – Industry Project Proposal

Dear Potential Industry Sponsor:

You have been contacted as a potential Industry Sponsor by a student in his or her final year towards their Diploma in Civil Engineering Technology at BCIT. In this group of courses that run over the entire academic year, each student is required to develop a contact in the consulting or construction industry in order to work on a relevant civil engineering project.

Your initial role as the Industry Sponsor would be to briefly meet the student once or twice before mid-October to create a project outline that the student can develop into a project proposal. After the student submits the formal written proposal in mid-November, a Faculty Advisor from the Department of Civil Engineering will guide the student from January through April as he/she completes the actual project work. Your main role during the January-April period would be to provide some technical guidance to the student and any technical data/literature required for the project that is not available through BCIT. Although more participation and support from Industry Sponsors is always welcomed, we fully understand that not all Industry Sponsors can afford to put a significant amount of time into this.

The type of civil engineering project that you could provide to the student is wide open, as long as it can be completed by the student within 125 hours, including writing a formal report and preparing any necessary drawings. Students are to submit their completed project and client report in mid-April 2021.

If you and the student have agreed on a project, after the student has written his/her project outline and delivered a copy to you, please provide the student with a letter on your company letterhead by **November 6** confirming your agreement to the proposal and to your participation as the Industry Sponsor. Alternatively, this information could be provided in a message from your work email to both the student and myself (pchong26@bcit.ca).

If you require further information before agreeing to be an Industry Sponsor, you may visit the course website at <https://civil.common.bcit.ca/students/proj/index.html>. Alternatively, you may call me or any of the following Civil Engineering faculty members:

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|-------------------------------------------------------|--------------|
| • Phyllis Chong, P.Eng. (<i>structures</i>) | 604.451.6853 |
| • Jan Bielenberg, P.Eng. (<i>water resources</i>) | 604.456.1228 |
| • Paul Thurston, P.Eng. (<i>municipal/highways</i>) | 604.451.6852 |
| • Mike Baumert, P.Eng. (<i>construction</i>) | 604.451.7117 |

The Department of Civil Engineering at BCIT greatly appreciates your involvement in this educational endeavour that complements classroom-based engineering education with workplace skills.

With sincerest thanks,



Phyllis Chong, P.Eng., Faculty and Industry Project Coordinator, Civil Engineering, BCIT
Phone: 604-451-6853 Email: pchong26@bcit.ca

Attached: Industry Sponsor's Role



BRITISH COLUMBIA
INSTITUTE OF TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING
SCHOOL OF CONSTRUCTION
AND THE ENVIRONMENT

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Industry Sponsor's Role

COMM 3342 Industry Project Proposal

September – November 2020

1. Outline to the student a realistic, if not a real-life, project from an area of civil engineering that satisfies the following:
 - a. The project topic is of interest to the student.
 - b. The project can be substantially carried out by the student with the knowledge he/she already gained and will gain from BCIT courses during the fall and first part of the coming winter term.
 - c. The project requires no more than 125 hours from the student to complete including report writing and drawing preparation (but not including preparing the proposal).
2. Help the student define the project's overall goal, specific technical objectives, and the method to achieve the objectives, so that the student can develop and write a proposal for the project.

CIVL 4090 Industry Project

January – April 2021

1. Provide technical guidance to the student as he/she works on the project.
2. Provide or lend resources, where possible, that may be specific to the project, such as field data, specifications, specialised software, and any industry standards or guidelines, which are not available to the student from BCIT.
3. Review the final Client Report submitted by the student to the extent permitted by the sponsor's time constraints, and provide some informal feedback to the student and (optionally) to the student's Faculty Advisor. The Industry Sponsor is not involved in the formal evaluation of the project.

Industry Sponsor Presentation (optional)

May 2021

All Industry Sponsors will receive invitations to this presentation to let them see the results of the students' work. We are hoping to host this presentation as an in-person reception to thank sponsors for their contribution to the students' success. In the event that an in-person reception is not possible, the department will host an online project presentation. As part of their Communication course, each student will create a poster display of his/her project which will be exhibited at the presentation.