



CTEP
CENTRE FOR TRANSPORTATION ENGINEERING & PLANNING

**Alberta Transportation
Benefit-Cost Analysis Course
Oct. 23, 2018 Edmonton
Oct. 29, 2018 Calgary**

CTEP (Centre for Transportation Engineering & Planning) is a leader in providing professional development training and supporting applied research in the areas of transportation engineering and planning. In this role, CTEP provides a forum for dialogue, collaboration and technology transfer among stakeholders in the transportation engineering community in Canada. Our website is: www.ctep.ca

CTEP is pleased to offer the course, “**Alberta Transportation Benefit-Cost Analysis**” **October 23 & 29, 2018**

Course Description

This one-day course on Alberta Transportation’s Benefit-Cost Model is a professional development course for project managers, transportation planners, highway designers and bridge engineers. It is an introductory course on how the model can be used. The course contains lectures, instructor-led examples as well as independent examples to maximize participants’ understanding of the model. There is an accompanying Benefit-Cost Model User Guide, from which much of the lecture material is obtained. This course is best suited for those involved in the planning and managing of road and bridge projects on Alberta’s highway network.

For those familiar with Alberta Transportation’s previous benefit-cost model (released in 1991), the new model is significantly more complex in that it takes into account many more factors. The basic principles of the analysis, fundamental assumptions and parameters are unchanged from the original benefit-cost model. Sources of information have been carefully researched and are documented in the User Guide.

Each course participant will receive a set of reference materials for use during the course and after.

The latest version of the Benefit-Cost Model and User Guide can be found on Alberta Transportation’s website. <http://www.transportation.alberta.ca/5847.htm>

Each participant should print and bring a hard copy Guide to the course.

Course Topics

- Summary of B/C analysis, important terminology, and how B/C analysis can be applied.
- Outline of the model, including features and limitations of the model.
- Distinguishing between the two different methods of calculating vehicle operating costs.
- Entering project information, including selecting and defining project alternatives.
- Generating traffic volumes and associated user costs over the project life.
- Project costs breakdown: comparison between Alternatives
- Summary of final results portrayed as economic indicators.
- Interpretation of economic indicators.
- Examples / applications using both methods of calculating vehicle operating costs, including a class-led example and independently solved examples.

The concepts presented can be applied to urban settings.

Participants should also bring a laptop and note paper.



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Course Instructors

Bill Kenny, P. Eng.,

Bill has worked for Alberta Transportation for 35 years. Currently, he is Director of Road Geometric Design in Technical Services Branch, Transportation Services Division. He is responsible for:

1. Developing and monitoring Geometric Design standards for highways in Alberta,
2. Developing and updating Roadside Design practices, standards and guidelines,
3. In-house engineering initiatives,
4. Design Exception process and reviews,
5. Provision of technical training for Alberta Transportation staff,
6. Facilitating the department's Highway Safety Engineering initiatives.

Bill chairs the Alberta Traffic Safety Plan Engineering Committee and is a member of the Transportation Association of Canada's Geometric Design Standing Committee and Road Safety Standing Committee.

Lei Ma, P.Eng, M.Eng, PMP, PTOE,

Lei has more than 25 years of experience in transportation planning, geometric design, safety, traffic operations, and construction for transportation projects.

Lei is currently working with Alberta Transportation as a Geometric Design and Training Engineer at the Twin Atria in Edmonton. Her other experience includes 6 years with The City of Calgary as a transportation engineer, 6 years with the UMA/AECOM Calgary office as a transportation engineer/project manager, and 5 months with AMEC as a senior transportation engineer.

Rokibul Khan, P.Eng., M.Eng.

Rokibul has been working with Alberta Transportation as an Infrastructure Management Engineer since 2014. Before joining the department, he worked for two years with The University of Alberta & Alberta Transportation as a Research Project Engineer and a year at SMEC, Australia as a Transportation Engineer.

Alberta  **Transportation**



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REGISTRATION

Name(s): _____

Organization: _____

Address: _____

City/Prov.: _____ Postal Code: _____

Ph.: _____ Email: _____

COURSE FEE per person (GST Exempt):

CTEP Members: \$250.00

Non Members: \$350.00

**** Please indicate which session you will be attending ****

- **October 23, 2018 8:15AM – 4:30PM** **Edmonton, Alberta**
*Four Points by Sheraton Edmonton South
 7230 Argyll Road, Edmonton, Alberta T6C 4A6 Ph. 780-465-7931*
- **October 29, 2018 8:15AM – 4:30PM** **Calgary, Alberta**
*The Glenmore Inn & Convention Centre
 2720 Glenmore Trail SE, Calgary, Alberta T2C 2E6 Ph. 403-279-8611*

- Course fees, (GST Exempt), include classroom materials, a buffet lunch & refreshments
- Payment is due and payable with your registration; early registration is encouraged.
- The registration/cancellation deadline is October 16, 2018 - no refunds thereafter - substitutions permitted

Payment via: VISA/MasterCard Cheque Amount: \$ _____

Visa or MasterCard: email this registration form to nlittle@c-tep.com phone: 403-607-4482

Credit Card Number: _____

Print name as it appears on the card: _____

Expiry month/year: _____

Signature: _____

By Cheque: payable to "CTEP" and remit, along with this registration form to:

CTEP (Centre for Transportation Engineering & Planning)

c/o Stantec, Transportation

200, 325 – 25 Street SE

Calgary, AB T2A 7H8 Attention: Neil Little