



The University of New Brunswick

ITE Student Chapter

ANNUAL REPORT

2010-2011



Message from the President

The UNB ITE Student Chapter is pleased to present its first annual report. The 2010-2011 year was our first full year of operation. We are still in the building stages as a chapter; however, we have come a long way since January 2010. We currently have twelve members, including our Vice-President, Dan Mason, and our Secretary and Treasurer, Javier Zamora-Rojas. Our student chapter would also not be possible without the dedicated support of our faculty advisor, Dr. Eric Hildebrand.

Over the past year we have participated in two technical tours; one at the Fredericton DOT sign shop and one at the Fredericton airport. Our members also attended the 2010 annual TAC conference in Halifax, as well as the 2010 ITE Atlantic Provinces fall meeting in Fredericton. Most recently, we played host to a technical seminar about the Fredericton Capital City Traffic Study Update and we hosted the ITE Atlantic Provinces Student Presentation Competition at UNB. All of these events are discussed in more detail later in the report.

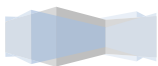
It was an honour to be involved with the inaugural year of our Student Chapter and I am confident this tradition will continue at UNB for many years to come. I would like to thank all those who have provided us with support and encouragement, including the UNB Transportation Group, members of the CITE executive, and members of the CITE Atlantic executive. I am pleased with the success of our Chapter over the past twelve months and I look forward to the challenges and excitement that await us in 2011-2012.

Ryan Esligar



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Technical Tours

DOT Sign Shop Tour - March 15th, 2010

The Fredericton DOT sign shop is located on the City's north side. It served as an excellent location for the Chapter's first technical tour. Members were able to get a behind-the-scenes look at how traffic signs are created.



Fredericton International Airport – November 25th, 2010

The Chapter's second technical tour took place in the fall of 2010 at the Fredericton International Airport. Here Members watched a presentation about the Airport's annual budget and plans for future renovations to the facility. They got to tour through the international customs section of the airport, where they learned of all the security features and regulations that are in place for international travellers. The group then continued to the main lobby to view the baggage screening process. Next, they visited the fire hall to view the emergency vehicles and equipment and the maintenance garage to view the snowploughs, sweepers, blowers, and de-icing equipment. The session was completed with a tour of the runway and airplane hangars.



Professional Involvement

2010 Annual TAC Conference

The Chapter members attended the 2010 TAC Conference that was held in Halifax, Nova Scotia from September 26th–29th, 2010. This provided a great opportunity for the Chapter members to meet and mingle with other transportation professionals from across the country. This was the first conference experience for some of the students who had just joined UNB’s transportation program in September.



**2010 ANNUAL CONFERENCE
& EXHIBITION**

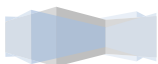
September 26-29
Halifax, Nova Scotia

Adjusting to New Realities

EXHIBITION

ITE Atlantic Provinces Fall Meeting

On November 17th, 2010 the Student Chapter members attended the ITE Atlantic Provinces fall meeting at the Wu Conference Centre in Fredericton. This was one of two meetings that are organized by the ITE Atlantic section each year. This was the first time that many of the students were able to meet the members of the Atlantic executive.



Fredericton Capital City Traffic Study Update

On March 17th a technical seminar was hosted by the Student Chapter at UNB. The seminar focused on the Fredericton Capital City Traffic Study Update and was presented by Peter Allaby and Jon Lewis of ADI Ltd.



The presentation began with some background information on the traffic study. It was explained that a transportation strategy was needed in order to address existing and future traffic demands as well as forecasted growth. The study team were responsible for developing potential improvements for the City, as well as prioritizing these projects by outlining their corresponding costs and benefits. A safety review was also completed for the City of Fredericton. Collision data was obtained for all intersections within the City and an analysis of each intersection was performed to identify collision trends. Collision Prediction models were utilized to identify the number of collisions that could be expected at the corresponding intersections. The results were then compared with the actual collision rates.

Other considerations provided by the study team included opportunities to incorporate Intelligent Transportation Systems (ITS) within the City. These ITS included enhanced web-based traveller information systems (similar to the 511 system but on a city-wide basis), Changeable Message Signs (CMS) and other ITS for use within work-zones, advanced warning flashers upstream of major high-speed intersections, red light cameras at certain intersections, and radar speed display boards for use in school zones. Also discussed were a potential third crossing over the Saint John River on the City's west side and the Smythe Street extensions, which would help alleviate the bottle-neck effect currently experienced on Regent Street and Hanwell Road.

ITE Atlantic Provinces Student Presentation Competition

On March 31st, 2011 the Student Chapter hosted the ITE Atlantic Provinces Student Presentation Competition. Students from all universities in Atlantic Canada were invited to participate in the competition. Each participant completed a 15 minute presentation, followed by a question-and-answer period. The presentations were completed in front of an audience of fellow students, professors, and members of the ITE Atlantic section. The event was a great way to allow students voices to be heard amongst respected members of the local transportation community. The topics of the presentations included the effects of speed display boards in school zones, the use of energy-absorbing guide rail terminals in New Brunswick, traffic collision analysis, an analysis of designated and shared cycling lanes, light rail transit systems, peripheral and transverse pavement markings, and transportation planning.



Future Events

The UNB ITE Student Chapter currently have two future events scheduled, which include hosting Murray MacLobbie and attending the 2011 CITE Annual Conference.

Murray MacLobbie

Murray MacLobbie is currently making his way across Canada toward Halifax for the 2011 CITE Conference. Murray will arrive at UNB on May 16th. The UNB Chapter plans on showing Murray some activities unique to the Maritimes. Murray may enjoy visiting with friends and family in Shediac, New Brunswick, which is widely recognized as the lobster capital of the world. Murray also cannot visit New Brunswick without taking in the sights at the Bay of Fundy, home of the highest tides in the world. Other activities will include introducing Murray to the University of New Brunswick campus, as well as a tour of the Capital city.



2011 CITE Conference

The 2011 CITE Conference will take place in Halifax, Nova Scotia beginning May 29th. The majority of the UNB ITE Student Chapter members have already committed to travelling to Halifax for this conference. This will be a great opportunity for the Chapter to meet with other student chapters and ITE members from across Canada. We look forward to attending the informative lectures and presentations that CITE has planned, as well as meeting new people within the transportation industry.



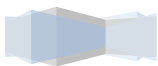
Sponsors

The UNB ITE Student Chapter would like to thank the following organizations for their financial support over the past year.

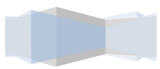


Member Roster

	Family Name	Given Name(s)	Degree	Graduation Date
1	*Alaraza	Hayder	PhD	2013
2	*Al-Daini	Raeda	PhD	2013
3	*Bagheri	Ehsan	M.Sc.	2011
4	*Esligar	Ryan	M.Sc.	2011
5	*Gorman	Erica	M.Sc.	2013
6	*Mason	Daniel	M.Sc.	2013
7	*Mayhew	Samantha	Undergraduate	2011
8	*Mulkern	Matt	M.Sc.	2012
9	*Mustafa	Riad	PhD	2012
10	*Paradis	Denis	Undergraduate	2012
11	*Shan	Rong	M.Sc.	2011
12	*Zamora-Rojas	Javier	M.Sc.	2011



Appendix A – ITE Annual Report Form



Institute of Transportation Engineers

ANNUAL REPORT OF STUDENT CHAPTER ACTIVITIES From DATE to DATE

STUDENT CHAPTER AT: UNIVERSITY OF NEW BRUNSWICK

This report form contains the minimum information required to be submitted by each Student Chapter to ITE Headquarters each year. (See Section II.D of the Student Chapter Manual.) You may use a copy of this form -- filling in the blanks and adding attachments as appropriate -- or, if it is more convenient, submit the same information in a format similar to this form. If your Student Chapter desires to be evaluated for the annual ITE Student Chapter Award, you are invited to prepare a supplementary report that describes your Student Chapter activities in greater detail than is requested in this report.

1. STUDENT CHAPTER OFFICERS

President: Ryan Estigar
 Vice President: Dan Mason
 Secretary: Javier Zamora-Rojas
 Treasurer: Javier Zamora-Rojas
 Other (please specify): -

2. STUDENT CHAPTER MEMBERSHIP

Number of Student Chapter members: 12
 Number of Student members of Institute: 12
 Number of Students eligible to be a Student member of the Institute: 0
 Number of faculty members who are current ITE members: 1

3. INFORMATION ON TRANSPORTATION ENGINEERING ENROLLMENT

Number of undergraduate students (Sophomore - Senior years) in your academic department.

If not Civil Engineering, specify department: _____

Full time: 260 Part time: 26

Does your curriculum allow an undergraduate student to major or minor in Transportation?

Yes No

If "Yes," give number of transportation majors _____ and minors _____

Number of graduate students in Transportation.

Full time: 7 Part time: 4

4. SUMMARY OF STUDENT CHAPTER ACTIVITIES

Attach a three page summary identifying the type of each significant Student Chapter activity (business meeting, technical meeting, field trip, project, joint meeting with ITE Chapter or Section, social event, etc.) during the reporting period. Please **do not include** meeting announcements, newsletters, technical appendices to reports, etc.

5. ROSTER OF STUDENT CHAPTER MEMBERS

Please attach an alphabetized listing of the student chapter membership. For each person indicate the degree for which they are enrolled and expected graduation date. An asterisk should indicate those who are also Student Members of the Institute.

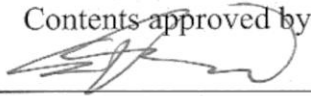
Report submitted by:

Name: Ryan Estigar

Phone: 506-452-6223

Date: April 1, 2011

Contents approved by:



(Faculty Advisor)

Please submit report to: Your District Student Chapter Award Coordinator

