

Institute of Transportation Engineers

ANNUAL REPORT OF STUDENT CHAPTER ACTIVITIES From DATE to DATE

STUDENT CHAPTER AT: Texas A&M Kingsville

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: Hanming Zhou
Vice President: Deepesh Raj Dawadi
Secretary: Chaoru Lu
Treasurer: Hangin Wang
Other (please specify): _____

2. STUDENT CHAPTER MEMBERSHIP

Number of Student Chapter members: 10
Number of Student members of Institute: _____
Number of Students eligible to be a Student member of the Institute: 30
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: 50 Part time: 10

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: 80 Part time: 10

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.

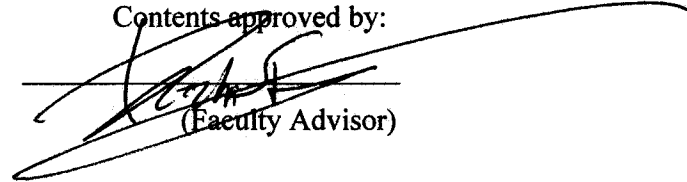
5. ROSTER OF STUDENT CHAPTER MEMBERS

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: Hanming Zhou
Phone: 3615221022
Date: 3/31/2014

Contents approved by:


(Faculty Advisor)

Please submit report to: Your District Student Chapter Award Coordinator

ITE TAMUK

Student Chapter Annual Report

2014



The Texas A&M University-Kingsville ITE student chapter is pleased to present our Annual Report for the 2013-2014 school year. As some of the students graduated, some new leaders of ITE student chapter were elected. Hanming Zhou, President; Deepesh Raj Dawadi, Vice-President; Hanqin Wang, Treasurer; and Chaoru lu, Secretary. We have ten(10) student chapter members. Dr. Dazhi Sun is our Chapter Advisor and our faculty only member of the institute. The highlights of the year are presented below:

The first 3 chapter meetings are series of VISSIM software training for ITE student members who are interested in VISSIM simulation tool. The presenter is the president of ITE student chapter, Hanming Zhou who has worked with different simulation software in private consulting company before. The training includes the basic concept of simulation software, and its input system such as lane configuration, traffic composition, traffic signals, transit stops. After a few presentation sessions, many ITE members started to use the microscopic simulation tool to do traffic related research. It is a very useful tool for the evaluation of various alternatives based on transportation engineering and planning measures of effectiveness.

The student ITE chapter welcomed visiting professors Pengfei Wang and Hongbo Qian from China to give our students seminars on recent traffic operation practice in China. Dr. Qian gave us a presentation of his research on plane separation strategy in China. It used neighborhood road networks to reroute the heavy traffic in the main congested intersection. It broadened our perspective on unconventional intersection design.

The Chapter also held training session of HCS software for undergraduate students. About 20 under graduate students came for the presentation. The training includes presenting detailed step by step instruction on how to input roadway and intersection traffic parameters in to the simulation models. The students also later worked on projects related evaluate level of service in local highway section and intersection near campus. Students went collecting speed and traffic volume data in the field and input traffic data in to HCS model to get level of service results and optimized signal timing for the intersection.

On Nov 15,2013, ITE student members under direct of Professor Dazhi Sun, did a presentation on safety impact of Eagle Ford Shale activity on the transportation system at City of Cotulla Convention Center, as part of Eagle ford Center for research, education and outreach fall workshop. Eagle ford shale natural gas boom caused great economic output impact in South Texas region. The total network of highways in the counties affected by Eagle Ford Shale is 8750.978 miles. The economy is growing rapidly, but the roadway dangers have increased due to increase in traffic volume. The research evaluated the change in percentage of fatal crashes, and accident safety index was calculated. And the locations of the accident spots were collected and identification of the black spots was made by using Geographic Information systems software.

ITE member Chaoru lu and several other students made several field trips on February 10th (Monday) to February 28th (Friday) in 2014 in order to collect data for local traffic study of evaluating the effectiveness of advisory speed plaque at horizontal curve in two-lane two-way rural highway. The test sites are selected on rural highway 70 and 665.They collect the data of day time non-peak hour around 3:00 p.m. to 4:30 p.m.. And the data of day time peak hour is collected around 5:00 p.m. to 6:00 p.m. The data will help to analyze the characteristics of vehicle speed at the horizontal curve with advisory speed plaque.

ITE student chapter member list (name, department, graduation date)

Hanming Zhou ,Civil Engineering Department, Dec, 2014

Deepesh Raj Dawadi, Civil Engineering Department, Dec, 2014

Chaoru Lu, Civil Engineering Department, May, 2014

Hanqin Wang, Civil Engineering Department, Dec, 2014

Aubrey Badoe, Civil Engineering Department, Dec, 2014

Kishore Javvaji, Civil Engineering Department, Dec, 2014

Srikanth Rayala, Civil Engineering Department, Dec, 2014

Mrutyunjay Bhavanam, Civil Engineering Department, Dec, 2014

Atchuta Valli Sravanthi Pilli, Civil Engineering Department, Dec, 2014

Chandrakanth rammanasai saranam, Civil Engineering Department, Dec, 2014