**Transportation Challenges**

**Dates of Travel:** 14 - 24 February, 2014  
**Program Location:** Mexico  
**Program Director(s):** Mitsuru Saito  
**Participating Major(s):** Civil and Environmental Engineering  
**Number of Student Participants:** 6  
**Summary:**  
In this program BYU students work with students and faculty from partnering institutions in Mexico to solve transportation problems existing in their communities. Students went to the field to observe the congestion condition, collect data, create simulation models and develop alternatives that could reduce the congestion levels. The program helps students develop team work and leadership skills in a global work environment. Through communication with their counterparts, they complete an analysis, prepare a final report and present their work through video conference.
Leadership Development
This program helps students develop teamwork and leadership skills in a global environment. They work together with students from partnering institutions in Mexico to develop creative solutions to transportation challenges. This reinforces important leadership processes including brainstorming, communicating and problem-solving. The participants will be able to take the leadership skills they have learned in Mexico and apply them to projects in their education and careers.

Global Agility
This program gives students a first-hand experience with developing global agility. To prepare for the trip they collaborated with their counterparts over the internet. While in Mexico they were expected to continue these patterns of communication and enhance their ability to work with students from a different cultural background to produce creative solutions.

Technical Competence
Students in this program have the opportunity to evaluate real-life transportation systems. This year they worked on congestion issues at two glorietas (Mexican roundabouts.) While there they observed the congestion condition, collected data, created simulation models and developed alternatives that could potentially reduce the congestion levels at these glorietas.