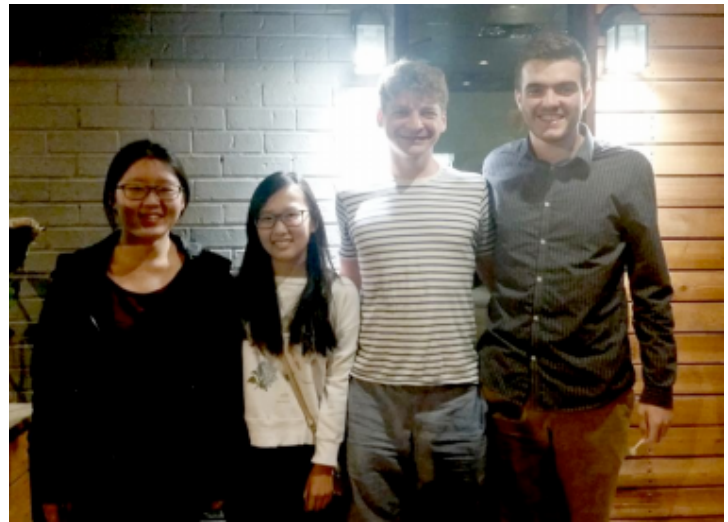




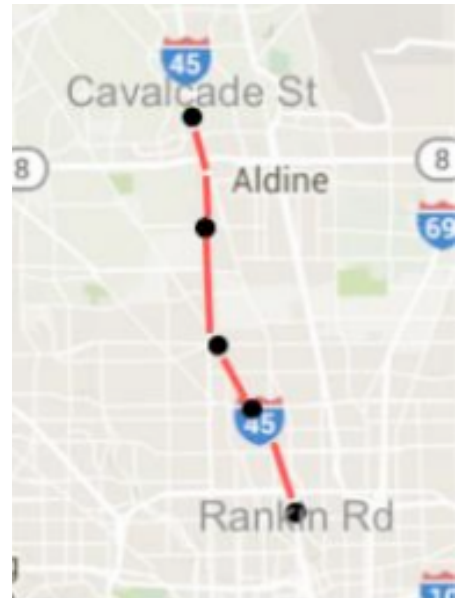
HOUSTON ACTION RESEARCH TEAM



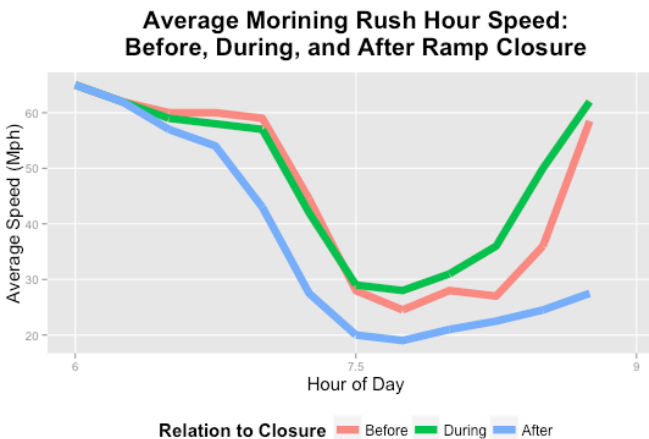
Jo Sun, Cecelia Liu, Andrew Marshall, and Evan Flack

Active Traffic Management Pilot, Fall 2015

This HART brought together talented students from a range of majors including Statistics, Computer Science, Mathematical Economics, and Economics to collaborate with the Houston Police Department (HPD) and complete the evaluation of a mobility response team pilot program. The pilot program's goal was to reduce the time an incident remains on the roadway, in order to reduce distractions to other drivers and improve public safety. The team identified several program operational areas for improvement in future programs run by the Houston Police Department. The team also made suggestions on focus locations for future programs and data collection methods.



Segment of I-45 North in Houston where the pilot program was run



HPD also asked the team to investigate the potential to use ramp closure and metering as an effective method of reducing freeway congestion. The team utilized road sensor data and construction project closures to demonstrate the potential efficacy of these methods. Further study including a ramp closure pilot was recommended.