

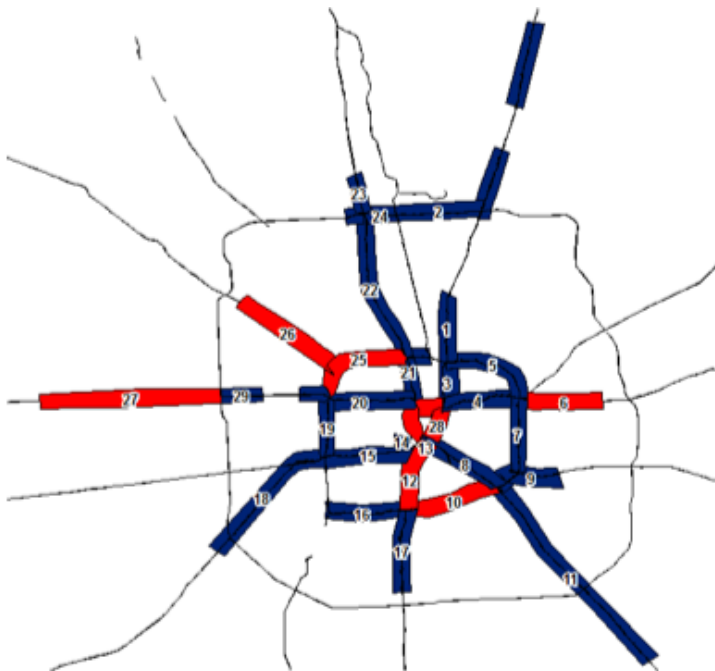
HOUSTON ACTION RESEARCH TEAM



Carolina Osuna, Alex Heath, Jacob Jaffe, Jarvis Miller

Houston Police Dept., Rapid Response Units, Spring 2015

This HART brought together students with majors in Statistics, Political Science, Public Policy, Mathematics, Math Economics, and Environmental Science to help improve public safety on Houston freeways. The team identified the time and location where police units could be staged to have the greatest impact on rapidly clearing collisions from the highway. Their findings were presented to the Houston Police Department who will be able to use this input to pilot rapid response programs in the future.



The team combined roadway incident datasets from the Houston Police Department and TranStar to develop a method for comparing segments of Houston freeways to one another and identify the locations where Rapid Response Units could have the largest impact on improving public safety. This research provides important insight into the allocation of finite resources across a large city and area in a program that is expected to expand regionally in the future.