

ARCCA Assists in Murder Investigation for the State Police

ARCCA engineers were requested to conduct a full scale crash test for the State Police to aid in a suspected murder investigation. The defendant was suspected of fatally injuring his wife and blaming her injuries on a minor car crash. ARCCA provided engineering assistance in setting up, participating in, and analyzing the test results because of our extensive experience in biomechanics, human tolerance, and full scale crash testing. ARCCA provided all of the electronic instrumentation equipment, hardware, and setup of the vehicle to ensure the results of the test were recorded in a manner consistent with the requirements of the Federal Motor Vehicle Safety Standard 208 Occupant Crash Protection, as well as Surface Vehicle Recommended Practice, Instrumentation for Impact Test SAE-J211, dated July 2007. The results of the test were then used by the State Police as part of their murder investigation.

Figures 1, 2, and 3 below show the vehicle, a Chrysler PT Cruiser, and the test setup.



Figure 1.



Figure 2.

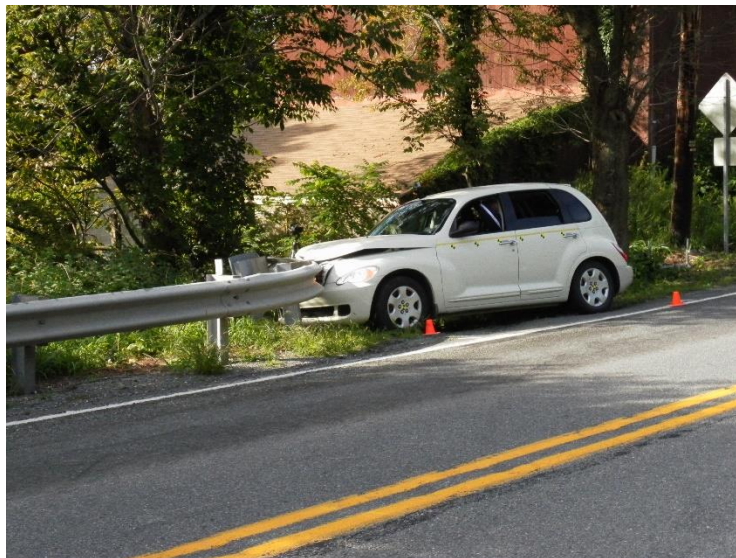


Figure 3.