

I-95 / I-395 HOV Restriction Study

The study for VDOT analyzed the impacts of changing HOV restrictions (number and/or timing) on the HOV dedicated 27 mile Shirley Highway. MCV collected turning movement counts at several locations, conducted 72-hour portable machine counts on the HOV lanes, slip ramps and other locations, collected peak period traffic volumes on general purpose lanes at several locations and collected travel time data for the HOV lanes and general purpose lanes during the restricted times and unrestricted times. The portable machine count data collected at several locations was utilized to develop missing data through a balancing approach. The data collected was analyzed to develop peak hours and peak hour volumes. In addition, MCV assisted in collecting video license plate data on the entire corridor using 45 video cameras on HOV and general purpose lanes. The license plate data was transcribed in to the computer so that the license plates could be matched and a travel pattern determined.

