

## Loudoun County Courts Transportation Study

MCV conducted the transportation impacts study of the Courts Complex expansion and Loudoun County Government expansion in the Town of Leesburg for Loudoun County Government. Traffic data was collected at twelve intersections during the mid-day and PM peak hours and the existing capacity/levels of service were established. The TMODEL2 transportation modeling system was setup for the Town of Leesburg and environs, resulting in 42 traffic zones and the associated roadway network. It should be noted that the parking lots and garages were also used as traffic zones, to simulate traffic to the parking facilities. TMODEL2 was calibrated to the year 1998 and used to forecast traffic for the years 2005, 2015 and 2020 as per the Town of Leesburg Guidelines. The Highway Capacity Software was used to estimate capacity and levels of service. Mitigation measures were identified for those locations that did not meet the Town's criteria.

