

## Route 29 Traffic Signal Design

MCV designed a new traffic signal at the intersection of Route 29 and Route 230 in Madison County, Virginia. The existing conditions were observed and measured for design purposes. A preliminary plan was developed that showed traffic signal pole locations, detector locations and the use of video cameras for traffic detection including video monitor to set detector locations on turn lanes. The plans were prepared based on VDOT standards and specifications. The preliminary plans were revised based on VDOT comments and the final plan was submitted and approved by VDOT. Microstation software was used to design the traffic signals. This signal has been installed and is working safely.

