

## Post Office Road Improvement Study

This study was conducted for Charles County. Post Office Road is a two lane roadway with several intersections and connects two major highways. AM/PM peak period turning movement counts were made at all intersections on Post Office Road. The capacity/levels of service were estimated to establish the existing conditions. Planned and approved developments data were obtained and the traffic estimated. Peak period traffic was projected for all intersections along Post Office Road. Capacity and levels of service were estimated for these intersections. Several options were developed to meet the goal of peak period LOS C for this roadway. These options consisted of a three lane roadway, a four lane roadway and a five lane roadway. A three lane option was recommended and selected based on the evaluation criteria. Traffic signal plans were developed for two intersections using Maryland State specifications. Traffic signing and pavement marking plans were also developed.

