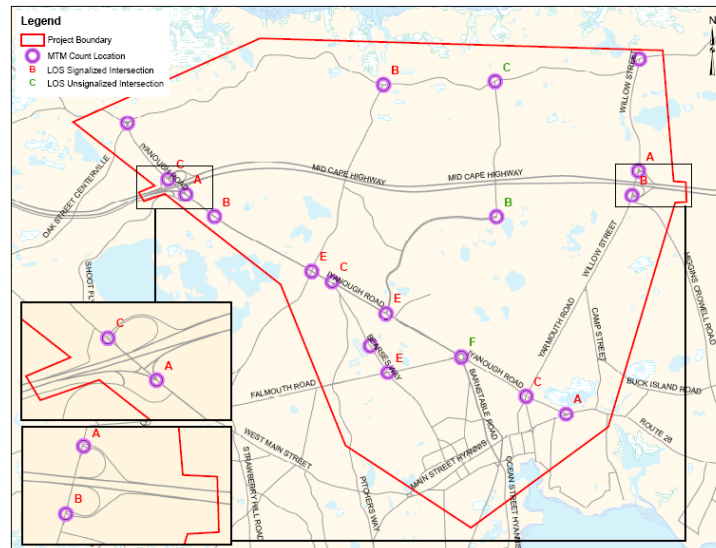


# Hyannis Access Study

## Massachusetts Dept of Transportation

### Barnstable/Yarmouth, MA

Duration: 2007-2009  
Project Cost: \$500,000  
Firm Fee: \$120,000  
Role: Sub-consultant



As a sub-consultant, TrafInfo is responsible for all of the traffic engineering aspects of this study including traffic and safety analyses. The Hyannis Access Study involves the analysis of options to improve access to Downtown Hyannis, the Cape Cod Mall and the industrial/business areas in the Town of Barnstable. Included among the options to be considered is the so called Exit 61/2, a new interchange on Route 6 between existing interchanges at Exit 6 and Exit 7.

As part of the traffic engineering component of the study, TrafInfo oversaw the data collection effort. Based upon analysis of permanent count data, a study time period of average summer Saturday was selected. Average daily traffic information was compiled for about 40 locations throughout the study. Peak hour turning movement volumes were developed for 20 study intersections as well as the ramp junctions on Route 6 within the study area. Level of service was performed using Synchro® and HCS2000™ software.

Crash analysis involved review of records for the latest three years. All of the crashes were plotted on a GIS map to identify safety “hot spots” within the study area. Location information in crash records was reviewed to identify crashes at the 20 study intersections as well as on Route 6. The crashes were analyzed in terms of severity, yearly and hourly variations, type of collision and affects of weather, ambient light and road surface conditions.

Periodic presentations were made to the study’s Task Force consisting of local elected and public agency officials, and other stakeholders.