

Greater Hartford Traffic Signal Systems Farmington/Simsbury/Bloomfield/Hartford, Connecticut



Description

As part of a project team, FHI participated in a traffic signal systems contract for the Connecticut Department of Transportation. The project consisted of analyzing and upgrading the traffic signal systems in several corridors in the towns of Farmington, Hartford, Simsbury, and Bloomfield. FHI's work included completing field work to verify existing signal plans and to identify sight line restrictions, and preparing intersection capacity analyses using HCS 2000 and queue analyses using Synchro 5.0 for existing and future conditions for a total of 28 signalized intersections. FHI was also responsible for proposing timing and phasing improvements at intersections projected to operate at a poor level of service under future conditions. Accident data for each corridor was also summarized and reviewed by FHI to identify safety issues which may be addressed by intersection improvements. Technical memoranda were prepared for each corridor summarizing the results of the field surveys and the analyses.

Client

Connecticut Department of Transportation

