

Roadway Reconstruction / Town Center Improvements



Town of Merrimac Route 110 Improvements

This project consisted of the design of the reconstruction of a one mile section of Route 110 in Merrimac including Merrimac Center. Efforts were made to assist the Town in getting the project included on the State Transportation Improvement Plan (STIP) through the Executive Office of Transportation (EOT).

Previously, Merrimac Center consisted of an expansive area of pavement lacking delineation with angled on-street parking along Route 110. As a result, confusion was experienced when driving through the Center and a high accident rate was recorded. Narrow sidewalks and long crosswalks resulted in a pedestrian un-friendly environment.

Numerous alternatives were presented for the Center that would improve safety and operations for both vehicular traffic and pedestrian traffic, as well as provide aesthetic improvements while minimizing impacts to parking. Ultimately, following coordination with the Town and MassDOT, a roundabout was proposed and designed in the Center to eliminate driver confusion, improve operations and safety, and reduce pedestrian crossing distances. Since parking is essential for the well-being of the small business within the Center, the concept maximized all parking opportunities through creative alternatives while eliminating the safety issues associated with angled on-street parking.



Project Location

Merrimac, Massachusetts

Project Description

Roadway Reconstruction /
Town Center Improvements

Services Rendered

- ✓ Geometric Design
- ✓ Town Center Alternatives
- ✓ Pedestrian Improvements
- ✓ Parking Accommodations
- ✓ Funding Assistance
- ✓ Traffic Calming
- ✓ Roundabout Design
- ✓ Unsignalized Intersection Design
- ✓ Safety and Operational Improvements along a Main Street Corridor
- ✓ Public Involvement

Client

Town of Merrimac
Department of Public Works
4 School St, 2nd Floor
Merrimac, MA 01860
978-346-8939

Service Dates

2007 - Ongoing

WorldTech Engineering staff experience while at WorldTech and other firms