

**LOCATION:**

Braintree, MA

**CLIENT:**

Town of Braintree

Department of Public Works

Engineering Department

**PROJECT TYPE:**

Intersection Safety Improvements

**PROJECT SUMMARY:**

Identified Deficiencies & Created a Plan

Related to:

- Pedestrian Operations
- Capacity Constraints
- Overall Safety



The Town of Braintree Department of Public Works retained Traffic Solutions to conduct a feasibility study for improvements to a pedestrian crossing on Washington Street (State Route 37) in the vicinity of Massachusetts Avenue. The existing marked crossing was the subject of great concern for the Town. There had been a recent pedestrian fatality at the crossing.

Because the crossing was on a roadway under the jurisdiction of the Massachusetts Highway Department, a supplemental appropriation had been included in the state budget providing funds for the construction of a traffic signal. The purpose of the feasibility study was to determine if a traffic signal was warranted and, if so, what the design should include.

Based on meetings with the Massachusetts Highway Department's district office, a preliminary design was prepared and submitted for review. The preliminary design included a new, pedestrian actuated pedestrian signal at the existing crossing. Traffic Solutions met with the Massachusetts Highway Department to secure their approval of the plan.

Once the preliminary design was approved, Traffic Solutions was authorized to prepare a final design for the project. The final design included the construction contract documents (plans and specifications) necessary for the bidding of the project. In addition, Traffic Solutions coordinated the activities of contractors and equipment vendors to accelerate the bidding process.

Due to funding source constraints, Traffic Solutions was required to perform preliminary and final design in less than one month. The entire design and construction period was constrained to a period of six months. As a result of Traffic Solutions' expedited handling of the design phase, the project remained on track for a scheduled completion in the allotted time.