

**LOCATION:**

Brookline, MA

**CLIENT:**

Town of Brookline  
Department of Public Works

**PROJECT TYPE:**

Intersection Safety Improvements

**PROJECT SUMMARY:**

Identified Deficiencies & Created a Plan

Related to:

- Pedestrian Operations
- Capacity Constraints
- Overall Safety

The Town of Brookline hired Traffic Solutions to investigate the existing infrastructure and propose safety improvements at the intersection of Walnut Street at Kennard Street.

This study was conducted to identify safety or capacity deficiencies at the intersection of Walnut Street at Kennard Street. The study was performed to evaluate the geometry and traffic control devices to determine if they contributed to safety or capacity problems. As a result it was determined that there are not any specific deficiencies related to safety or capacity nor are there any issues related to substandard geometry or traffic control devices.

However, to address concerns from the public, a package of cost effective enhancements were recommended to improve motorist and pedestrian comfort at this intersection. The recommended improvements were recommended as phases - providing a graduated approach to the enhancement package. The enhancements will result in a roadway environment that is more inviting to pedestrians and more predictable for all roadway users.

The plan included improved pavement markings and signage to provide better regulatory and warning guidance to motorists. Additional signage will restrict parking in designated areas and pavement markings will better guide vehicles through the intersection. Tape pavement markings, such as those manufactured by 3M, were also recommended, providing higher levels of retroreflectivity.

The plan also included improved geometry. The plan proposed to create a pedestrian plaza on the southwest corner. This geometry will improve overall sight lines for motorists and pedestrians. The revised geometry will also channelize pedestrians to crossings where the sight lines are more advantageous. Inlaid tape pavement markings will be used. The ladder design will be used to enhance motorist awareness of the crosswalks. Accessibility ramps will be reconstructed to comply with current guidelines.

