

PROJECT DESCRIPTION
State Project No. 0092-0681
F.A.P. No. 0010(124)
Intersection Improvements at Route 10, S.R. 745 and Kimberly Ave.
City of New Haven

Project Location

This project is located north of I-95 Interchange 44 at the intersection of Route 10 (Ella T. Grasso Boulevard), State Route 745 (Kimberly Avenue) and local road Kimberly Avenue in the city of New Haven. Project Limits will encompass Route 10 just north of the I-95 southbound on and off ramps to just north of the intersection with Plymouth Street, and S.R. 745 & Kimberly Avenue from the southern intersection with Route 10 to the northern intersection with Route 10.



Figure 1 - Project Location

Purpose and Need:

The purpose of this project is to improve the safety and traffic operations at the Route 10 and Kimberly Avenue intersection, as well as along State Route 745 (S.R. 745). The project is needed because of the high number of crashes within the project limits.

Origin:

This project originated as a result of the I-95 West River Bridge Replacement (Project No. 92-522) which reconfigured the interchanges for exits 44 and 45 along I-95, and connected Kimberly Avenue and Ella T. Grasso Boulevard south of I-95, revising the traffic patterns.

Existing Conditions:

Ella T. Grasso Boulevard (CT Route 10) is classified as an Urban Principal Arterial. S.R. 745 (Kimberly Avenue) is classified as an Urban Minor Arterial, where the easterly approach is classified as a local road that is primarily a residential area. South of the project limits is primarily commercial consisting of fast-

food restaurants, commercial businesses, and a gas station that is located at the western corner of the intersection.

Within the project limits, Ella T. Grasso Boulevard is a four-lane road with no dedicated turn lanes at the intersection. Kimberly Avenue is a two-lane road through the project limits. There are dedicated left turn lanes at the intersection with Route 10 and on-street parking is provided on both sides of Kimberly Avenue. Sidewalks are provided on both sides of Ella T. Grasso Blvd and Kimberly Ave. There are marked pedestrian crosswalks at each corner with dedicated pedestrian signals.

Project Description:

The proposed improvements on Route 10 include adding dedicated left turn lanes in both directions at the intersection with S.R. 745 and Kimberly Avenue while also maintaining the two through lanes in both directions through the intersection. Both sides of the roadway will be widened to accommodate the left turn lanes. The traffic signal will be replaced to accommodate the proposed lane arrangement. Route 10 will be tapered down to a 2-lane cross section in the vicinity of Plymouth Street where a raised crosswalk with a rapid-rectangular-flashing-beacon (RRFB) will be constructed. A two-way left turn lane (TWLTL), delineation of on-street parking stalls, and a designated bike lane adjacent to the reconstructed sidewalk are proposed along the S.R. 745 approach.