



LENGTH OF PROJECT = 4,375 FEET= 0.83 MILES SAMOSET STREET @

PROJECT DESCRIPTION AND PURPOSE

Existing Conditions: Samoset Street (Route 44) and North Park Avenue are both two lane urban minor arterial roads, with Samoset Street's width averaging 30 feet and a variable width along North Park Avenue. The existing pavement is experiencing moderate cracking, minor alligator cracking, distortions and other hot mix asphalt (HMA) deficiencies, combined with an inadequate structural composition of the roadway (depth of the road varies from 5-10.5 inches). These combined factors in conjunction with the traffic load require roadway reconstruction to provide an adequate roadway infrastructure.

The sidewalk is predominately hot mix asphalt (HMA) with areas at either end of the project having concrete sidewalk. The hot mix asphalt sidewalks are suffering from extensive cracking, moderate patching, distortions, rutting and hot mix asphalt (HMA) deficiencies and a general structural inadequacy. These conditions must be improved to meet ADA standards.

A portion of the project passes through the Historic District. No significant impacts are anticipated and the project is expected to incorporate historic street lighting and ornamental signal equipment in this area.

Proposed Improvements:

Signal Modifications at the Northbound Route 3 Interchange: One of the goals of the project is to provide safe pedestrian access along the corridor. The project will provide a crosswalk across Samoset Street on the easterly approach to the intersection and across the Route 3 off-ramp approach. Only minor modifications to the signal will be required, and with concurrent pedestrian phasing, the "WALK" phase can be accommodated without altering or impacting the signal timing, phasing or splits. The modifications will require 4 pedestrian push buttons and indications, reprogramming the controller and restriping to provide crosswalks. Wheelchair ramps will be constructed or reconstructed to provide ADA acceptable crossings.

Royal Street at Samoset Street Striping Modifications: Samoset Street will be restriped to provide a dedicated left turn lane for this intersection, reducing the conflicts that currently exist at the intersection. The work will include transitioning the eastbound traffic from two lanes to a single eastbound lane. Minor widening may be required in the area of Royal Street to provide an adequate transition and turn lane.

Vertical Profile: The current project entails the reconstruction of Samoset Street to lower the vertical profiles, thereby improving sight distances along both Samoset Street and intersecting driveways and side streets.

Traffic Signal Upgrades - Court Street at Samoset Street Intersection: With the reconstruction of Samoset Street along the westerly approach to the Court Street and North Park Avenue along the easterly approach to Court Street, the vehicle detection will need to be modified. In addition, minor adjustments to the curblines through the intersection and proposed ADA accessibility improvements will require relocation of some of the traffic signal hardware. The entire location will be upgraded with new, state of the art equipment. This intersection falls within the Historic District and serves as a gateway to the historic waterfront area, so the town is pursuing the use of ornamental signal equipment at this location.

Realignment of North Park Avenue from Court Street to Water Street: In order to comply with current design standards, the substandard horizontal alignment of North Park Avenue will be modified. In addition, bike friendly shoulders and ADA compliant sidewalks and wheelchair ramps will be continued along North Park Avenue from Court Street to Water Street. The project will include the reconfiguration and realignment of North Park Avenue. The reconstruction will eliminate the conflicts with poorly defined on-street parking and provide improved accessibility for pedestrians. The greenspace between North and South Park Avenue will be modified to resemble the historic character of the area.

Ornamental Street Lighting: The presence of ornamental street lighting defines the character of the roadway. Ornamental street lighting will be included in the project within the Historic District along Samoset Street from the Samoset Court intersection through the North and South Park Avenue areas.

Drainage: It is proposed to improve the existing drainage system. The existing catch basins will be replaced with deep sump catch basins and then tied into the existing truck of the drainage system. Curbing will be added to more effectively channel the water towards these structures.

Right of Way: All Right-of Way acquisitions will be handled by the Town of Plymouth.

Project Cost: The proposed reconstruction of Samoset Street is expected to be constructed by MassDOT and their Contractors. The preliminary construction cost estimate is \$4.4 million, which does not include Right-of-Way acquisition costs.

Project Status: The plans on display tonight are currently at the 25% Design Stage. Comments received this evening will be considered in determining the final design.