

NANTUCKET BRIDGE ASSESSMENT REPORT

NANTUCKET, MASSACHUSETTS



COMPLETION DATE

2024

REFERENCE

Andrew Patnode
Director of Public Works
P 508.228.7200 ext. 7512

PROJECT DESCRIPTION:

McClure was tasked with providing engineering services for inspecting, assessing, and providing preservation recommendations for two municipally owned bridges in the Town of Nantucket: the Ames Avenue Bridge (Bridge N-02-003 (442)) and the Massasoit Road Bridge (Bridge N-02-004 (443)) are both multi-span timber bridges on timber pile bent pile substructures. The scope included reviewing existing as-built plans, inspecting the bridges, identifying damage or age-related degradation, and recommending repairs to maintain structural integrity. These services focus on preservation and maintenance as these bridges are in locations susceptible to climate events and are not currently candidates for replacement.

PROJECT HIGHLIGHTS:

- McClure provided a comprehensive report detailing findings based on field inspections, reviews of existing plans, reports, and inspections. The report included summaries of the existing conditions, proposed maintenance and preservation recommendations, photos of existing conditions, and a cost estimate of recommended repairs and maintenance.
- McClure provided the Town of Nantucket with a prioritized list of preservation activities for each bridge to remain serviceable through the expected service life of the timber piles. This list outlined timeframes for certain repairs or maintenance activities to be completed over the next 10+ years.
- McClure outlined which recommendations could be handled by the Town's DPW crew and others that would require contractor services.
- McClure provided a preliminary estimate of recommended repairs, adjusting for inflation for repairs to be made in over 5 years' time.