

Fort Mifflin on the Delaware



PROJECT

Fort Mifflin on the Delaware
Philadelphia, Pennsylvania

CLIENT

Fort Mifflin on the Delaware

DATES

2011 Conditions Assessment

DESCRIPTION

Fort Mifflin on the Delaware is a 150,000 square foot National Historic Landmark located on Mud Island on the Delaware River in Philadelphia, Pennsylvania. It was originally constructed in 1771, with subsequent construction activities taking place between 1795 and 1875. It was decommissioned in the early twentieth century, and in 1962 it was designated an historic military fortification. The site is constrained by its proximity to the river as well as the airport, and is subject to a variety of restrictions for development. The fort is surrounded by stone ramparts as well as a moat, and is accessible via two points of entry.

CHALLENGE

We were retained to perform a Conditions Assessment of the bridge that provides access through the Main Gate. The Board plans to pursue restoration and reconstruction of the Fort, and defining an access plan for this site is of critical importance given the large scale rehabilitation planned for this Landmark. The purpose of our Assessment was to provide documentation and recommendations regarding the feasibility of using the bridge and the Main Gate to accommodate the traffic and transportation of people, materials and equipment that will be required for the work of the size and scope envisioned.

SERVICES

Conditions Assessment

Assisted the Executive Director with defining an access plan for future construction activities at this site.

Performed a site survey to document the existing condition of the bridge, access roads and gate.

Performed a structural analysis of the existing timber bridge. Provided repair and reconstruction options.

Prepared a detailed written narrative detailing the existing condition of the bridge, access roads and gate, including photographs, diagrammatic drawings and cost estimates to be used for budgeting and fund-raising

POINTS OF INTEREST

Fort Mifflin on the Delaware is a National Historic Landmark.