

Pennypacker Mills Barn



PROJECT

Pennypacker Mills Barn
Schwensville, Pennsylvania

CLIENT

Montgomery County Parks and Heritage Services

DATES

2006	Structural Assessment
2006	Structural Stabilization Phases I & II
2007 - 2008	Structural Stabilization Phase III

DESCRIPTION

The circa 1787 timber barn is part of the historic, 170 acre Pennypacker Mills Estate. The Colonial Revival mansion, constructed in 1720 was enlarged in 1901, and houses the antiques collection of former Pennsylvania Governor Samuel W. Pennypacker.

CHALLENGE

The barn exhibited numerous structural issues requiring immediate repair. Earlier alterations to the original structural system were contributing to the instability and deformation of the barn's structural fabric. Any stabilization design had to minimally impact the overall appearance of the interior of the historic structure.

SERVICES

Structural Assessment

Designed a stabilization method with minimal visual impact.

Inventoried and assessed each section of timber framing for repair or replacement.

Provided repair schedules and construction documents for a phased project.

Phase I

Stabilized the structure by improving the footings and triangulating the trusses and beams.

Phase II

Installed a new cedar shake roof, decking replacement, and a tin roof over the front bay of the barn.

Phase III

Finished the project by repairing all of the wood siding and windows, and by repainting the barn in its entirety.

POINTS OF INTEREST

Pennypacker Mills is listed on the National Register of Historic Places.