

**SR 2073, Section BPA  
Pennsylvania Avenue over the Delaware Canal  
Morrisville Borough, Bucks County  
MPMS 84258**

**Project Purpose**

The purpose of this project is to provide a safe and reliable crossing for the public, public utilities, and emergency services over the Delaware Canal.

**Project Needs**

The Pennsylvania Avenue bridge has an overall structure condition rating of Poor, due to the deterioration of the superstructure and substructure units. The deck is in fair condition. The top of the deck is not visible due to the bituminous overlay. The underside of the deck has several spalls with exposed reinforcement. The steel beams typically have peeling paint with moderate to heavy rust throughout and severe rust with minor to advanced section loss to top of bottom flanges at the beam ends. The fascia beams have severe rust with through holes in the webs at the abutments and diaphragm connections; the first interior beams have minor to advanced section loss at the ends. The steel beams have peeling paint with severe rust and section loss throughout the beams, diaphragms, bearings, channels and cantilever brackets, with small holes forming in the fascia beams at the abutments. The abutments have a few fine to wide cracks and some delaminated areas. The South Abutment backwall has a wide crack with minor displacement and an associated spall in two bays. The wingwalls have a few open and incipient spalls. The 3-foot 6-inch high non-standard steel lattice bridge railings have a few bent bars throughout and three broken bars at one corner.