

Property History

The East Clinton Street Bridge, located in Binghamton, New York, is an open-spandrel arch bridge over Chenango River that connects Downtown Binghamton to the City's West Side and First Ward neighborhoods. The bridge, constructed in 1936 and one of the oldest bridges in the city, underwent a \$1.9 million rehabilitation project that included the restoration of the bridge's decorative arches and lighting fixtures.

Project Description

Grand Light restored and refinished the bridge's historic exterior lanterns. Years of weather exposure and vandalism had deteriorated the existing finish and resulted in several missing and damaged acrylic panels. Grand Light artisans disassembled each fixture, removed all acrylic panels, and made any necessary mechanical and structural repair. The existing lighting reflectors were carefully hand cleaned and reused to maintain horizontal positioning.

The surface of the lanterns were media blasted to remove all existing finish and foreign material in preparation for an application of a zinc rich epoxy primer and a Sherwin Williams Powdura 4000 Polyester durable powder coat satin black finish.

Custom P95 curved acrylic panels were cut and bent to replace all existing, missing, or damaged panels. To improve energy efficiency while increasing the output and optic spread a Mogul Base 120 watt, 4000K LED with Type 3 distribution was installed with the addition of custom stability brackets.

All wiring was replaced with UL listed components and HIPOT tested in accordance with UL standard 1598.

Client

City Of Binghamton, NY

Client Project Managers

Nicholas DeVincentis, R. DeVincentis Construction, Inc.

Date Awarded

2017

Completion Date

2017

Project Webpage

<https://grandlight.com/portfolio/east-clinton-street-bridge/>

