



DESIGN OF TWIN BRIDGE REPLACEMENTS MAIN LINE THRUWAY (I-90) OVER THE GENESEE VALLEY GREENWAY



Owner:

New York State Thruway Authority

Location:

Town of Chili, Monroe County

Completion Date:

2004

Construction Cost:

\$2,600,000

Services:

- *Preliminary Bridge Design*
- *Final Bridge Design*

Watts Engineers was responsible for the preliminary and final design of this twin bridge replacement and highway reconstruction project. The existing three-span bridges were replaced by single-span steel superstructures with integral abutments. Independent cast-in-place wingwalls supported on pile foundations were included in the design.

The bridges were constructed in two stages, allowing four-lanes of Thruway traffic to be maintained throughout construction. A diversion was designed to shift the main line traffic onto a single bridge during each stage of construction.

Watts Engineers oversaw the surveying and mapping work, and assisted in the development of an extensive geotechnical investigation.

The Greenway Trail is on the alignment of the historic Genesee Valley Canal and Watts Engineers assisted with the coordination of the project with the New York State Office of Parks, Recreation and Historic Preservation. We addressed concerns regarding the maintenance of pedestrian traffic during construction, access for construction traffic along the trail, and the reconstruction of the trail under the new bridges.