



LATTA ROAD BRIDGE OVER THE LAKE ONTARIO STATE PARKWAY



Owners:

- *New York State Department of Transportation*
- *Monroe County Department of Transportation*

Location:

*Towns of Greece and Irondequoit,
City of Rochester, Monroe County*

Completion Date:

Fall 2002

Construction Cost:

\$2,200,000

Services:

- *Final Bridge Design*
- *Final Design of Appurtenant Highway Structures*
- *Asbestos Assessment and Remediation Design*
- *Hazardous Waste/Contaminated Materials (HW/CM) Assessment and Remediation Design*

Watts Engineers was completely responsible for preparing the final plans, specifications and estimate for this two-span bridge with an overall length of 174 feet. The bridge carries two lanes of traffic over a four-lane divided highway. The bridge's features include: pile foundations; cast-in-place pier with veneered stone masonry pilasters and arches; cast-in-place abutments with veneered stone masonry pilasters and u-walls; seismic analysis using single-mode spectral method; and steel plate-girders with haunched sections.

Watts Engineers also prepared the plans for the removal of an abandoned railroad bridge over the LOSP and for the Stutson Street Bascule Bridge over the Genesee River. We designed the cantilever retaining-walls at a municipal parking lot and 1000 feet of cast-in-place privacy walls with imprinted concrete and brick veneer along the new Stutson Street.

We were responsible for the asbestos assessment of 21 structures, the detailed investigation for hazardous waste/contaminated materials and the related remediation design work. This bridge was re-constructed as part of the larger Colonel O'Rourke Lift Bridge Project of which Watts Engineers was a member of the design team.