



## *BULLIS ROAD BRIDGE OVER LITTLE BUFFALO CREEK*



Watts Engineers was the prime consultant on this Locally Administered, Federal Aid bridge replacement and highway reconstruction project.

**Owner:**

*Erie County Department of Public Works, Division of Highways*

**Location:**

*Town of Marilla, Erie County*

**Completion Date:**

*August 2003*

**Construction Cost:**

*\$530,000*

**Services:**

- *Preliminary and Final Bridge Design*
- *Preliminary and Final Highway Design*
- *Environmental Studies*
- *Hydraulic Study and Flood Plain Evaluation*
- *Construction Inspection Services*

Our preliminary design services included oversight of the survey, mapping, and subsurface investigation; development and evaluation of various design alternatives; and preparation of the Design Approval Document, environmental studies, and hydraulic analysis and flood plain evaluation. We also conducted the Public Information Meeting to familiarize the community with the proposed project and to receive input from the local residents. The bridge is located in close proximity to an elementary school, a library and a recreational area. We prepared the final plans, specifications and estimate for the bridge and highway reconstruction work, and obtained the necessary NYSDEC and USACOE permits. Watts Engineers provided inspection services during the construction period.

The bridge spans 21.8 meters (71.5 feet) and consists of integral abutments supported on a pile foundation with a composite structural-steel and concrete superstructure. Traffic was maintained during construction on an off-site detour. The travel lanes and shoulders of Bullis Road were reconstructed on the approaches to correct the non-conforming superelevation transitions.