



NEW YORK ROUTE 240 OVER CATTARAUGUS CREEK



Watts Engineers, working as a subconsultant, was responsible for providing the final highway design and environmental assessment for this bridge replacement/highway reconstruction project.

Owner:

*Cattaraugus and Erie Counties;
design administered by NYSDOT*

Location:

*Towns of Ashford and Concord,
Cattaraugus and Erie Counties*

Completion Date:

2006

Construction Cost:

\$9,000,000

Services:

- *Final Highway Design*
- *Environmental Assessment and supporting detailed studies*

The highway portions of the final design accounted for approximately one-third of the total construction cost. The design involved the construction of new embankments and a large temporary embankment to allow for traffic to be maintained onsite during construction – ultimately, these embankments will comprise more than 80,000 cubic meters of fill. Also, a closed drainage system was incorporated for the treatment of stormwater to comply with SPDES Phase II requirements. A parking lot was provided to allow access for anglers wishing to use the existing truss bridge that was rehabilitated as a part of this project. Another unique feature of the project was the use of shredded tires to construct portions of the embankments; the re-use of tires in this manner is part of a statewide effort to relieve the landfill burden created by used tires.

Watts Engineers also performed the environmental assessment portion of the project. This project was initially a DR/EA, however, timely coordination and resolution of issues with governmental agencies allowed re-designation of the project as a Categorical Exclusion with Documentation. In support of this effort, the following detailed studies were performed by Watts Engineers:

- Groundwater Assessment Report since the project is within a Sole Source Aquifer Area;
- Toler and FHWA pollutant modeling for surface water bodies;
- Farmland Conversion Impact Rating Form;
- Hazardous Waste/Contaminated Materials Assessment;
- Asbestos Assessment; and
- Obtained National Park Service approval due to Cattaraugus Creek's listing in the Wild and Scenic Rivers Act.