

NYSDOT I-86/Route 15 Interchange

Erwin, Steuben County, and New York State, NY



In 2008, the New York State Department of Transportation (NYSDOT) completed a project to upgrade the Interstate 86/U.S. Route 15 interchange in the town of Erwin, Steuben County. This project is situated at the confluence of the Tioga and Cohocton Rivers and had to be built around a number of geographical constraints, including the river crossing and an active railroad.

The project reconstructed the interchange of I-86 and Route 15 using epoxy-coated reinforcing steel (ECR rebar) to provide corrosion protection to the reinforcing steel. It included 14 miles of expressway and ramps, resulting in a safer and more efficient transportation system. This interchange separated local and interstate traffic that reduced truck traffic and congestion on local streets.

In the winter months, the bridge will employ a Fixed Automated Spray Technology (FAST) system for proactive treatment of the bridge surfaces with anti-icing liquids. The FAST system uses active and passive sensors, embedded in the road surface, to predict the surface temperature and activate the spray system. This technology anticipates the surface freezing point and sprays antiicing applications just before the roadway freezes.

Team

Owner:
New York State

Engineer:
Stantec Consulting Services

General Contractor:
Cold Spring Construction of Akron, NY

Design Criteria:

- Improve safety and mobility along the critical I-86 corridor.
- Separate local and interstate traffic and allow trucks to move more efficiently.

Total Project Cost: \$137 million

Photography:
dot.ny.gov.