



***ROUTE 300 BRIDGE OVER
THE NEW YORK STATE THRUWAY***



***NYS ROUTE 300 OVER
THE NEW YORK STATE THRUWAY (I-87)***

***TOWN OF NEWBURGH
ORANGE COUNTY, NEW YORK***

This project was designed by Bryant Associates, P.C. and included the removal of the existing four-span steel multi-girder bridge and replacement with a new two-span high performance (Grade 485W) weathering steel rigid frame structure. The replacement structure has a 74.8 meter (245 ft.) length and is on a 58.5 degree skew. The rigid frame design, which rigidly connected the abutments and pier with the superstructure, allowed the use of a shallow 720 mm (28.35 in.) girder section. This increased the mainline minimum vertical clearance from 4.28 m (14 ft.) to 4.9 m (16 ft.) while greatly reducing the approach work and environmental impacts. The structure is founded on steel bearing piles with a single row of piles being used at the abutments. Work also included highway approach modifications, utility relocations, mechanically stabilized earth retaining walls, and expanded polystyrene fill behind the abutments to reduce the lateral earth pressures.

The bridge was constructed by Harrison & Burrowes Bridge Constructors, Inc. and completed in 2005.

