



Project: *Underwater Inspection and Evaluation of the Tappan Zee Bridge over the Hudson River 2006 and 2010*

Location: *Westchester and Rockland County, NY*

Owner: *New York State Thruway Authority*

A.DiCesare Associates, P.C. performed the underwater inspection, evaluation, database management, and report preparation of the Tappan Zee Bridge. The structure consists of 166 causeway spans, 7 deck-truss spans, and a through-truss main span, which comprises a cantilever/suspended span with flanking anchor spans. The underwater inspection included a hands-on evaluation of more than 14,000 timber piles, 14 concrete filled steel sheet pile cells, and 7 semi-buoyant, hollow-box caissons. Inspection findings recorded on CADD documents, which may be used in the preparation of rehabilitation plans.

All work was performed in accordance with OSHA regulations utilizing a three-man dive crew, led by a Professional Engineer, with surface supplied air, continuous audio and video monitoring, as well as the policies, procedures, and specifications of the New York State Thruway Authority, US Coast Guard and Homeland Security.

A.DiCesare Associates, P.C.