



The Solution:

During the blasting process, a recycling system using specialist ventilation and extraction had to be employed, as there were a number of coats that lead-based paints already applied to the steelwork. The whole bridge had to be tented off in order to prevent dust and debris from falling into the Hudson River below.

The system which was applied by airless spray, comprised of one coat **USI Encapsulation Coating Polynox** followed by a stripe coat on sharp edges by brush and finally a second full coat of **USI Encapsulation Polynox**.

USI Encapsulation Polynox offers superior elastomeric and adhesion properties as well as optimum levels of UV and corrosion resistance. It is simple, easy to use and can be applied as a high build encapsulation system to coated steelwork and concrete.

The Problem:

The photograph shows the Mid-Hudson Bridge which spans the Hudson River in New York State. When it was built in 1924, it was the longest suspension bridge in the world.

The contract for protection of the steelwork below the road was awarded to Unconventional Solutions following the successful application of its single component, water based anti-corrosive acrylic.

Originally the project requirement was to encapsulate the steelwork, however the New York State Bridge Authority decided to remove all existing coatings on this occasion.

