

*Hutchinson River Bridge, USA*



**DIVISION:** Sky Climber LLC (USA)  
**PROJECT NAME:** Hutchinson River Parkway Bridge, New York City  
**APPLICATION:** Renovation and concrete repair

The Hutchinson River Parkway Bridge is located in New York City and inaugurated in 1940. For a major renovation it was required to sandblast and paint the underside of the bridge.

The major challenge was how to service a movable drawbridge-type (or bascule) bridge while allowing traffic flow both over the bridge and under it.

Sky Climber LLC provide a solution with two floating platforms based on the Sky Stage Ultra (SSU) Decks, which spanned the total width of the bridge.

The lightweight platforms were assembled at a nearby marina and towed into place by a small watercraft, thanks to a clever pontoon system under each platform. By adding a self-floating capability, no barge was required each time the platforms needed to be installed or uninstalled.

Each 15m long by 5m wide deck was operated from a Central Control Boxes to operate multiple hoists at the same time.

Once in raised into position, containment tarps could be installed to contain blast debris for this full-containment project. During operation, a cantilevered design also allowed crews to easily reach the top of the bridge from the platform with a ladder.

<b>Vertical Run</b>	15m
<b>Suspension system</b>	Clamps
<b>Type of platform</b>	Sky Stage Ultra
<b>Length of cradle</b>	15m L x 5m W
<b>Cradle rated load</b>	580kg
<b>Type of hoist</b>	LNx 650kg with overspeed safety device
<b>Norms</b>	UL