



# POINT BONITA LIGHTHOUSE PEDESTRIAN BRIDGE, USA

Ochrona przed obrywami skalnymi

# Point Bonita Lighthouse Pedestrian Bridge

## Ochrona przed obrywami skalnymi

<b>Projekt</b>	Point Bonita Lighthouse Pedestrian Bridge
<b>Lokalizacja</b>	Sausalito, CA
<b>Kraj</b>	USA
<b>Rok Instalacji / montazu</b>	2012
<b>Inwestor</b>	National Park Service
<b>Projektant</b>	HDR, Inc.
<b>Wykonawca</b>	AIS Construction (defunct)
<b>Inne przedsiębiorstwa</b>	Yeh and Associates, Inc.

### Opis sytuacyjny projektu

In 1954, the U.S. Coast Guard built a suspension footbridge to access the Point Bonita Lighthouse on the outer northwestern point overlooking the Pacific Ocean and San Francisco Bay. Over the years, the bridge had been renovated, but needed to be replaced in 2012. Before a new bridge could be constructed, the rock face needed to be stabilized. The point's rock mass was fracturing and displaying signs of instability due to years of exposure to harsh marine elements. Stabilization was required to support the weight of a modern bridge without fracturing further.

### Opis zastosowanego rozwiązania

A stainless steel anchored SPIDER S4-230 mesh system was installed to stabilize the rock face. The diamond shaped net is comprised of three 4 mm wires twisted into a 1x3 strand, with tensile strength of 239 ksi and a diameter of 5/16 inches. As required by the National Park Service, the net was powder coated bronze to better blend with the natural color of the rock mass and further protect against corrosion.

The project won ENR California's Best Small Project — Construction award in 2012.

### Chroniony obiekt

Building, Touristic infrastructure

### Zabezpieczenie przeciwkorozyjne

GEOBRUGG SUPERCOATING + PET, INOX / STAINLESS

### Wytrzymałość systemu

100 kJ

### Wysokosc ochronna systemu

20.0 m

### Długość systemu

223 m

**W celu uzyskania dokładniejszych informacji skontaktuj się z naszym Przedstawicielem.**

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