



POINT BONITA LIGHTHOUSE PEDESTRIAN BRIDGE, EE. UU.

Protección contra caídas de rocas

Point Bonita Lighthouse Pedestrian Bridge

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Proyecto	Point Bonita Lighthouse Pedestrian Bridge
Lugar	Sausalito, CA
País	EE. UU.
Año de instalación	2012
Cliente	National Park Service
Ingeniería	HDR, Inc.
Contratista	AIS Construction (defunct)
Otras empresas participantes	Yeh and Associates, Inc.
Situación inicial	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.
Descripción	<p>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.</p> <p>The project won ENR California's Best Small Project — Construction award in 2012.</p>
Objeto protegido	Edificio, Infraestructura turística
Protección contra la corrosión	GEOBRUGG SUPERCOATING + PET, INOX / STAINLESS
Capacidad de absorción de energía	100 kJ
Altura del sistema	20.0 m
Longitud del sistema	223 m

Si tiene preguntas por favor póngase en contacto con nuestro especialista Geobrugg en su área

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