

PROJECT

Piedras Blancas Lighthouse
San Simeon, California

CLIENT

Otak, Inc.
Portland, Oregon

Right: Construction began on the Piedras Blancas Light Station in 1874. The site now includes two of the original historic structures—a lighthouse building completed in 1875 and a fog signal building completed in 1906. The lighthouse building was originally 115 feet tall, including a first-order Fresnel lens manufactured in Paris, France.



PROJECT DESCRIPTION

Atkinson-Noland and Associates (ANA) participated in a structural assessment of the historic Piedras Blancas Light Station located north of San Simeon, California. This forensic engineering investigation includes identifying existing structural conditions and material properties as part of an overall structural assessment for the purpose of historic preservation.

SERVICES PROVIDED BY ATKINSON-NOLAND

- Atkinson-Noland & Associates performed several types of nondestructive testing (NDT) at the light station including flatjack testing and ground penetrating radar (GPR - a.k.a. impulse radar) testing of masonry.
- Overall condition survey of Tower and Fog Signal Building including corrosion and seismic damage evaluation.
- Assistance in analysis and retrofit design for seismic upgrade for the Fog Signal Building.



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