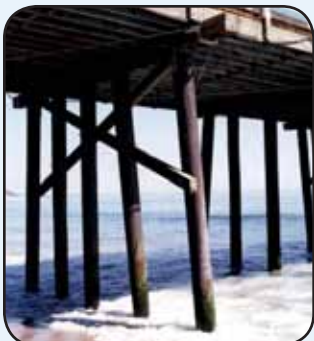


Project Brief

**Malibu Pier  
Rehabilitation**



Malibu, CA, USA  
2001-2004



The pier restoration project consisted of removing and replacing the majority of the existing wood piles on the structure. All of the new piles were treated and then wrapped with the Tyfo® WEB System on site. The piles were then driven into place and the new beams and decks were installed on top of them. Some of the existing piles were not deteriorated enough to need to be removed but they needed to be strengthened using our Tyfo® SEH-51A System. All piles needed to have a specially designed finish to maintain the wood appearance.

The existing pier had deteriorated to the point that it had to be closed to the public. Most of the existing structure had to be either strengthened or removed and replaced. The Department of Parks and Recreation wanted to design the new structure to have a longer service life. The continual wave action combined with marine borers and the aggressive environment caused rapid deterioration to the treated timber and piles.

The Tyfo® Fibrwrap® Systems were designed to create a new type of pile that can better withstand the attack of scouring action and marine borers. The new piles were manufactured on site and then driven into place just like standard woodpiles.

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