



## Indicator Stairs Santa Cruz, California

## Civil and Structural Engineering

Before:



After:



### Client Reference:

Anne Hogan, P.E.  
City of Santa Cruz, Dept. of Public Works  
809 Center Street, Room 201  
Santa Cruz, CA 95060  
(831) 420-5425

**Budget:** \$60,000

This coastal project consisted of repairing a wave-damaged stairway leading to, "Indicator," part of the world-famous Steamer Lane surf destination in Santa Cruz. The existing concrete stairway's landing, treads, and railings were heavily corroded and posed a serious risk to surfers.

MME provided plans, profiles, and details demonstrating the repair of the damaged portions of the concrete stairway, extension of the existing concrete retaining wall, and replacement of the existing railing. The concrete repair consisted of a fiber-reinforced concrete overlay and the railing was made up of all-new stainless steel.

MME also provided construction administration services, which included submittal reviews, RFI responses, and site observations.

