

PROJECT

Bok Tower
Lake Wales, Florida

CLIENT

Robert Silman Associates
New York, New York

PROJECT DESCRIPTION

Over the past 83 years, the 205 foot neo-Gothic Tower has experienced severe corrosion damage affecting the steel channel frames surrounding the cast-iron grilles. Atkinson-Noland & Associates was retained to conduct in situ testing to determine typical flange and web thicknesses and evaluate the degree of section loss due to corrosion. Using an ultrasonic thickness meter, over 250 locations were investigated to develop a statistical database for identification of representative thicknesses for different structural elements.

SERVICES PROVIDED BY ATKINSON-NOLAND

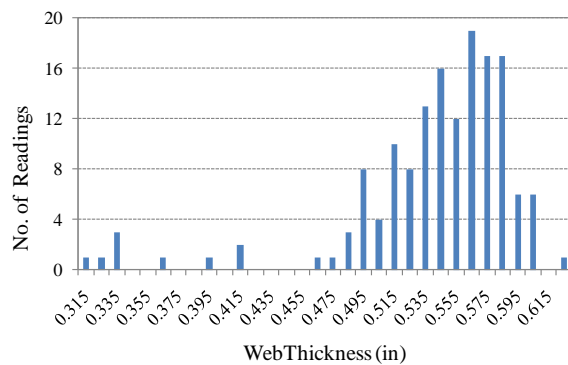
- In situ testing to investigate corrosion of steel elements
- Statistical analysis of test results to identify representative thicknesses of structural elements



Bok Tower located in Lake Wales, FL



Typical corrosion damage of steel elements at the Bok Tower.



Distribution of thickness readings at channel web.



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