

HISTORICAL LANDMARKS, VAULTED SIDEWALKS

The Rookery



PROBLEM

The architectural gem known as The Rookery was originally completed in 1888. After 121 years, the vaulted sidewalk along Adams Street was threatening to collapse. Zera was called in to replace the leaking topping and limestone structural slabs, to repair the unstable rubble wall, and to deal with an array of extenuating circumstances that could cause delays.

SOLUTION

- Laterally braced the rubble wall holding back the street and sub-grade with I-beams, C-channels and turnbuckles to prevent its collapse
- Built temporary enclosures separating the work area from the Brooks Brothers tailor shop
- Supported retail storefronts with 4x4 and steel beam shoring
- Replaced structural I-beams supporting the vaulted sidewalk
- Poured a new structural concrete slab
- Installed a new American Hydrotech buried waterproofing system
- Poured a new decorative concrete topping slab with acid-etched finish
- Managed pedestrian traffic with jersey barriers without incident
- Counteracted extenuating circumstances by working around the clock for over a month to complete the project

Zera is an expert in Concrete & Structural Restoration repairs of all kinds, including:

Parking Garages ■ Building Restoration ■ Historical Landmarks ■ Facade Restoration ■ Plazas ■ Stadiums ■ Vaulted Sidewalks

DETAILS

WORK

Vaulted sidewalk restoration

LOCATION

Chicago, IL

BUDGET AND SCOPE

Price: \$760K; 3K SQFT

OWNER

Metzler North America
Managed by John Buck Co.

ARCHITECT/ENGINEER

Wiss, Janney, Elstner, Inc.

