

Huddlestone Arch

Stone arch bridge | 2021

**CLIENT**

Séamus Henchy and Associates, Inc.

LOCATION

Central Park (near 105th St.), New York, NY, United States

INDUSTRY

Historical and Environmental Preservation

SERVICE

Structural Dynamic Analysis; Continuous Monitoring

IMPACT

Tracked the arch during nearby excavation and documented that previously observed changes remained stable through the final monitoring period.

CHALLENGE

Nearby excavation required a baseline and observation of the historic Huddlestone Arch during the works.

STRAAM APPROACH

STRAAM established a baseline and monitored vibration, tilt, and dynamic response across two installation periods; the final report records cessation on Apr 26, 2023 .

RESULT

The changes seen earlier remained stable in the final period. This gave the project team a clearer record of the arch's response while excavation work was underway.