

Smith Point Bridge

Historical Phase II assessment | 2013

**CLIENT**

Hardesty & Hanover, LLC

OWNER

To confirm (catalog owner not source-confirmed)

LOCATION

William Floyd Parkway
over Narrow Bay, Shirley,
NY, United States
Historical bridge location;
approximate asset pin,
not surveyed.

INDUSTRY

Transportation

SERVICE

Structural Dynamic
Analysis

INTERNAL REVIEW HOLD

Publication permission,
postal code, historical
pin, and load-testing
service mapping remain
unresolved.

IMPACT

Supplied a final Phase II assessment and baseline dynamic signatures for model calibration; the findings describe the 2013 work, not present-day bridge safety.

CHALLENGE

The bridge assessment covered 16 concrete spans and examined their dynamic response and load behavior; coupled modes limited impact-test damage identification.

STRAAM APPROACH

STRAAM used dynamic measurements, impact tests, and loaded-truck testing on spans 1-8 and 12-19, then prepared the final Phase II report for the engineer's model calibration.

RESULT

The final report identifies a first vertical bending frequency near 6.7 Hz; 128 girders were impact-tested. Impact testing was inconclusive for damage identification, and Phase II superseded the earlier interpretation. These are historical findings from the 2013 assessment, not a present-day bridge safety certification.