

Great Egg Harbor Bay Bridge

Highway Bridge | 2014

**CLIENT**

Hardesty & Hanover, LLC

LOCATION

Great Egg Harbor Bay,
New Jersey, United States

INDUSTRY

Transportation/
Construction and
Engineering

SERVICE

Structural Dynamic
Analysis; Continuous
Monitoring

IMPACT

Compared bridge-pier movement with a reference to help distinguish temperature-related changes from effects of nearby construction.

CHALLENGE

Adjacent bridge construction raised the need to track response at piers of the existing Great Egg Harbor Bay Bridge.

STRAAM APPROACH

STRAAM monitored tilt, spectral response, and vibration intensity at piers 3, 32, 36, and 45. The reviewed report covers Jun 1, 2014–Jun 30, 2014 and uses a February 26 baseline.

RESULT

The observations helped separate temperature-related movement from changes associated with construction, giving the team a clearer basis for understanding what the readings reflected.