



Detailed Seismic Vulnerability Assessment and Conceptual Retrofit Design for Routine Bridges, OPS No. 3356-B

New Jersey

Civil / Structural /
Transportation Engineers

Construction
Inspectors/Managers

Bridge Condition
Inspectors

*New Jersey
New York
Pennsylvania*

www.sjheng.com

PROJECT TYPE

Design

CONTRACT AMOUNT

\$507,000 fee

ROLE

Subconsultant to Jacobs
Bridge Engineering

PROJECT OWNER/CLIENT

New Jersey Turnpike Authority

START & END DATES

08/2011 – Ongoing

REFERENCES

Kevin Healy, P.E., NJTA Project Engineer
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PROJECT DESCRIPTION

Forty-three (43) select bridges along the New Jersey Turnpike and Garden State Parkway are under evaluation for their vulnerability to seismic events. Conceptual retrofit details are being developed. SJH is analyzing eleven (11) bridges and performing site specific seismic evaluations at some of the structures. A multi modal seismic analysis with SAP 2000 was performed to evaluate seismic vulnerability.



SJH Engineering, P.C.