Project Title: C-09-04 : Verification/Development of Seismic Design Specifications for Downstate Zone

PIN: R021.32.881

Responsible Unit: Engineering Division, Office of Structures

Project Manager: Taneja, Rajesh

Project Goal: Independently assess the NYCDOT Seismic Design Guidelines Report and prepare provisions to use the report with the AASHTO Bridge Design Codes

Actions Proposed:
1. Review the methodology and assumptions used in the development of the NYCDOT Seismic Design Guidelines Report.
2. Develop provisions that can be incorporated into the AASHTO LRFD Bridge Design Specifications and the AASHTO LRFD Seismic Design Specifications.
3. Determine the effects of using the NYCDOT Guidelines on two sample bridges.
4. Estimate the design and construction cost difference in implementing the report’s recommendations.

Anticipated Work Products and Accomplishments:
1. Proposed necessary revisions to the AASHTO codes in the form of NYSDOT “blue pages”
2. Worked design examples on two sample bridges.
3. Final Report summarizing all tasks performed, including recommendations and implementation strategy.

Proposed Budget: $200,000