Project Title: C-06-14: Develop Post Earthquake Bridge Inspection Guidelines
PIN: R020.89.881
Responsible Unit: Engineering Division, Structures Office
Project Manager: Alampalli, Sreenivas

Project Goal:
The project should: a) establish guidelines for bridge selection and prioritization considering safety, structure type, route, mobility for emergency response, locality, and economical impacts among other relevant items, b) Develop appropriate guidelines to assist professional engineers, who routinely do not inspect bridges, to inspect bridges following an earthquake based on expected types of failures; and c) offer suggestions for immediate repairs for opening critical bridges based on expected failures.

Actions Proposed:
1. Review available literature
2. Survey earthquake prone states such as California for established procedures, if available
3. Review NYSDOT bridge inventory manual, bridge inspection manual, seismic vulnerability manuals, seismic design procedures, and seismic retrofit procedures
4. Meet with the appropriate Department technical personnel and managers to collect their expert opinions
5. Develop guidelines for prioritization of inspections
6. Develop bridge inspection guidelines

Anticipated Work Products and Accomplishments:
a. Guidelines for prioritization of inspections
b. Inspection guidelines, and
c. A one-day training to bridge engineers and inspectors

Proposed Budget: $200,000