

SEISMIC PERFORMANCE ASSESSMENT OF EXISTING HIGHWAY BRIDGE FOUNDATIONS

In terms of highway bridge foundations, damage case histories, earlier design norms and construction technique, trial seismic design of a large number of typical existing foundations designed with earlier representative design norms, a large-scale experiment on the ductility of RC columns with little reinforcement so forth have been conducted to clarify the degree of seismic vulnerability. Finally, a draft spread sheet and manuals to evaluate the degree of seismic vulnerability and give priority of seismic reinforcement of existing highway bridge foundations have been proposed.