

**Pole Analysis Models and Damage Reduction Methods
against Large-scale Earthquakes**

Satoshi HARADA Hirohisa SAKAI
Kimitoshi SAKAI Yoshitaka MURONO

In order to enable us design poles reasonably against large-scale earthquakes, we have examined actual pole characteristics in static load experiments and shaking table experiments, and constructed nonlinear analysis models of poles. And after choosing plural methods of constructing seismic poles in consideration of the possibility and cost of their actual construction, we have confirmed, by means of shaking table experiments of the actual poles, the effects brought about by their methods. This report describes these results.