

Site Response characteristics in Yokohama City using High-Concentration Strong Motion Seismograph Network

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Site response characteristics were investigated at 150 strong-motion sites (about 2km interval) in Yokohama city using borehole data and seismograms. We obtained strong-motion spectral ratios with respect to a reference site and response functions from the borehole data. The predominant period of strong-motion spectral ratio is found to be in good agreement with that of response function of layered soil.