

Soil improvement project in liquefaction-damaged residential areas

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The 2011 Tohoku earthquake of magnitude = 9 induced significant liquefaction damage in residential areas. Subsidence and tilting of more than 10,000 Houses required government supports for people's efforts for damage restoration and mitigation of future disasters. The problem was the limited financial resources available on the people's side. Facing this situation, geotechnical engineering realized that it has not been prepared for solving people's problem at affordable cost. To solve this problem, two kinds of technologies have been investigated and adopted by practice, cost have been proposed and efforts for people's agreement have been made. The present paper reviews the entire processes that happened from 2011 to 2015 and addresses lessons learnt.

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