

# Renovation Methods of Urban Embankments

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## **Abstract**

*The aim of the paper is to review the main methods of reformation embankments in Khabarovsk city, which was seriously destroyed by the devastating flood in the summer of 2013, which led to the need for reconstruction and rehabilitation of the coastline. A basic typology of embankments consists of many criteria, in its turn each one contains the most typical distinguishing features. The city as a living, evolving organism can change their requirements for elements of the urban environment. The renovation of coastal zones has become necessary for the improvement of frequented areas, traffic separation, strengthening the waterside and other needs in large cities due to the development of technology, rising living standards, the increase in population density, the influence of natural factors and ect. The author of the article analyzes the current situation, explores the problems and lists the main effective methods, which are used to improve the urban situation. The obtained results allow to evaluate the effectiveness of methods, to track the progress in engineering and architectural sciences. Identified techniques can be used for renovation of developing modern cities by architects and urban planners in the future.*

Keywords:    embankment, renovation methods, urban environment