

CHAPTER 58
TECHNOLOGY
CIVIL ENGINEERING

Doctoral Theses

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Role of Special Feature in Side Resistance of a Model Steel Pile.
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Abstract

The frictional resistance on a surface of a model steel pile is known as a side-resistance of a model steel pile. Special feature in the form of a slotted holes-cum-spikes-cum-fins have been introduced on the surface of a model steel pile to increase the side-resistance of a model steel pile. These features have been experimentally tested on model steel piles. They are found to be economical and to increase side-resistance. Ultimately, it improves pull out resistance and load carrying capacity of a model steel pile.

Contents

1. Introduction 2.Literature review 3. Experimental programme. 4. Experimental data, analysis results and discussion 5. Conclusions and recommendations. Scope of future research and references.