



Soil Reinforcement for Anchor Plates and Uplift Response (Paperback)

By Hamed Niroumand

Elsevier - Health Sciences Division, United States, 2017. Paperback. Condition: New. Language: English . Brand New Book. Soil Reinforcement for Anchor Plates and Uplift Response presents a comprehensive and rigorous review of the current knowledge in soil improvement for anchor plates, and is based on original research that includes experimental data on how to enhance uplift response of soil anchor plates by using several soil reinforcement methods. Divided into 6 chapters, the author makes an introduction to both Ancho Plates and Soil Reinforcement in chapter one, then providing a comprehensive literature review on the topic in chapter 2. Chapter 3 presents how the experiment was set up, the different types of geotextiles used, and the types of soil tested. Chapter 4 presents experimental data, along with data provided by simulation softwares, including Plaxis. Chapter 5 compares the experimental results to the numerical simulation data, providing researchers and geotechnical engineers with tools they can apply to their own projects. In chapter 6, the author presents his conclusions and recommendations on the usage of soil reinforcement to maximize uplift response to anchor plates. Researchers in geotechnical engineering can use the methods and experimental data presented in the book on their own projects,...



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