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Geotechnical projects contracts based on the principle of the Geotechnical Baseline Report

AUTHOR: Maria Stefanidou

ABSTRACT

Every construction project requires the preparation of a contract document in order to determine the specifications and responsibilities of each of the contracting parties. In this thesis, particular reference is made to the concept of risk allocation and more specifically, to the process that should be followed for risks related to ground conditions. Although the usual practice is that the owner should pay any additional costs associated with ground conditions being more adverse than anticipated, there is also a different approach in which the additional cost is attributed to the contractor or to the owner. This process requires the use of a Geotechnical Baseline Report which is a contract document and presents all the anticipated geotechnical conditions that will be encountered in the construction project.

Finally, there is a presentation of the case study of a tunnel construction in California.

KEYWORDS

Risk allocation, Geotechnical Baseline Report, Contract, Geotechnical, Differing Site Conditions