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Risk identification and assessment in subway projects: case study of Nanjing Subway Line 2

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Abstract

Underground subway projects are becoming an important part of the urban transportation system. However, the complexity and uncertainty of subway projects make it difficult to assess the risks. This paper presents a risk identification and assessment method for subway projects. The method is based on the fuzzy AHP (Analytic Hierarchy Process) and the Nanjing Subway Line 2 project. The results of the risk assessment show that the project has a high risk level. The results are useful for the project management and the risk assessment of other subway projects. The paper also discusses the implications of the results for the project management and the risk assessment of other subway projects.

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