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## **The application of engineering geological mapping in the design and construction of roadways**

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Engineering geological mapping is necessary for the planning, design and construction of civil engineering works, especially for major roadways.

The types and detail of the mapping should always be directed towards providing information sufficient for understanding the relationship between the geologic environment and the engineering requirement of the works.

This paper describes the identification of the mapping requirements, the processes in acquiring the relevant data and the interpretation of such information. The benefit of experience and geological training in such undertakings are also discussed.

A worked example is presented to highlight the pertinent aspects of the mapping works.