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TITLE OF DIPLOMA THESIS:

Landslide Stabilization Project management - Slope stability project on 2nd km of the 15th provincial road Vryas-Ritinis

AUTHOR: Giannis Tsolakis

ABSTRACT

The present study deals with the management of geotechnical projects with an emphasis on risk management and scheduling, aiming at controlling and presenting the advantages offered by the use of appropriate management tools and the identification of procedural weaknesses. Geotechnical hazards management is a concept that describes a general process of how we manage the uncertainties that can threaten the goals in geotechnical engineering. The four basic conditions that need to be met continuously to achieve satisfactory risk management are: defining the scope and purpose of risk management, the decision-maker (the owner of the risk) defining and managing the concept of risk, the managers of the project and decision-makers need to have basic knowledge of risk management, communication and communication of risk-related information should be clear and simple. These four essential requirements are supplemented by specific requirements relating to the activities of the risk management cycle. Project scheduling is a mechanism of communications, about the tasks to be undertaken by the human resources and the organizational resources that will be allocated for the successful completion of the individual tasks within certain timeframes. The schedule of a project is an interactive form that gathers all the above information for the timely delivery of the project. In recent decades, there has been a serious tendency for infrastructure projects becoming particularly expensive and their implementation time exceeds what is expected (Kastbjerg 1994, Whyte & Tonks 1994, Nylén 1996 & 1999, Clayton 2001a & 2001b and Hintze 2001). In many cases the problems leading to the above facts are due to geotechnical issues that were not initially studied thoroughly and were not properly addressed. The completion time of a project, the final cost and the overall satisfaction of the client's requirements with regard to geotechnical works is in direct correlation with the provision and proper risk management and time management. The ability to design and implement the construction of a geotechnical project by the same scientific entity is a factor that gives serious advantages to meet customer's requirements.

KEYWORDS

geotechnical management, risk management, scheduling, uncertainty

