

云南龙江特大桥滑坡稳定性及不利因素分析

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中文摘要:拟建的保腾公路是昆明至缅甸、印度国际大通道及亚洲公路网的重要组成部分。其控制性工程——龙江特大桥附近滑坡稳定性对特大桥建设至关重要。文中针对龙江特大桥桥位区存在影响的主要滑坡——龙江特大桥1号滑坡,以滑坡的工程地质条件、形态分布特征为基础,分析破坏模式、形成机制和不利因素,指出节理结构面是控制龙江特大桥滑坡形成和稳定性的主要因素,同时受地下水的影响,并提出了相应的防治措施,为该滑坡的有效防治提供了重要依据,也为公路边坡的后续研究提供了有价值的参考。

中文关键词:[工程地质](#) [公路滑坡](#) [形成机制](#) [破坏模式](#) [防治对策](#)

An Analysis of the Impact of Stability and Adverse Factors of Landslide on Longjiang Giant Bridge in Yunnan Province

Abstract:The Baoteng highway to be built in Yunnan Province will be an international thoroughfare from Kunming to Myanmar and India and also an important component part of the Asian Highway Network. The Longjiang Giant Bridge is the controlled engineering of this highway, and the landslide stability near this bridge is of vital importance to the building of this bridge. This paper made an analysis of the main landslide—No. 1 landslide in the area of the Longjiang Giant Bridge in such aspects as its engineering geological conditions, mor-phological distribution, distribution mode, formation mechanism and resultant adverse factors and, on such a basis, put forward the idea that the joint structural plane constitutes the main factor controlling the formation and stability of the landslide of the Longjiang Giant Bridge, with underground water also having some adverse effects. The corresponding prevention and tackling measures are also suggested, which provide important basis for effective control of the landslide and also supply valuable reference opinion to subsequent study of lateral slope of the highway.


keywords:[engineering geology](#) [landslide along highway](#) [formation mechanism](#) [destruction mode](#) [control measures](#)

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