

Indzawo Optic Connect

Bridge scaffold landslide



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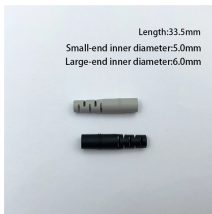
Engineers had to act fast when a massive landslide closed a road, opting to build a bridge via an innovative truss-launching method amid challenging geotechnical conditions.



In 2003 a major landslide destroyed a highway in southern Greece causing a mass displacement of about 6.000.000m³. An arched steel bridge was designed over the active landslide creating ...



Details on the interaction between the structure and the landslide, the observed damage, and any stabilization or bridge maintenance interventions carried out following the landslide event.



In recent years, a relatively large number of bridge defects and disasters were caused by landslides leading to significant economic losses. The slide-resistant pile is an effective structure to ...



In this paper, a comprehensive numerical investigation of the seismic behaviour of a bridge founded on an active landslide has been undertaken to provide insight on the effects of coupling of seismic and ...



Bridge scaffolding provides temporary access to areas of the bridge for workers and materials during bridge repair, retrofit, painting, and other construction activities.



Landslides exert forces with a significant horizontal component that may impact the supports, piers, or directly the bridge deck, leading to deformations and, in extreme cases, collapse.



To analyze the complex mechanisms of interaction between a bridge and a landslide, a comprehensive database of case studies concerning bridges located in Italian territory, which have ...



The systematic procedures mandated by Italian Guidelines for bridge classification provided an opportunity to compile a comprehensive database on landslide-bridge interactions.

Contact Us

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