



AUTOPISTA CUERNAVACA-ACAPULCO, MÉXICO

Proteção contra correntes de detritos

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Projeto	Autopista Cuernavaca-Acapulco
Lugar	Cuernavaca to Acapulco
País	México
Ano de instalação	2014
Promotor	Federal Department of Roads and Bridges (CAPUFE)
Empreiteiro	ACRE SA de CV
Contratante	ACRE SA de CV
Situação inicial	<p>At the end of 2013 Hurricane "Ingrid" raced across Mexico from the Gulf. Within 24 hours Tropical Storm "Manuel" likewise raced across Mexico, but from the Pacific Ocean. The devastation resulted in multiple debris flows in known flood channels at three separate stretches of roadway along the Cuernavaca - Acapulco Highway. The flood channels overflowed and caused road closures; therefore, the Federal Department of Roads and Bridges (CAPUFE) required innovative debris flow systems along 71.1 km of Autopista 95.</p>
Descrição	<p>This project is the first debris flow barrier system installation in Mexico. During the second half of 2014 and first half of 2015 Geobruigg designed, supplied and oversaw installation of multiple debris flow barriers (as part of 8 systems) ranging from 2.5 m to 10 m high with capacity of 100 to 120 kN/m². These barriers prevent clogging of storm sewers at the base of the roadway embankments.</p> <p>CAPUFE required barriers to protect vehicular traffic on this busy major highway after the 2013 devastation caused by the simultaneous occurrence of Hurricane Ingrid and Tropical Storm Manuel. These barriers will:</p> <ul style="list-style-type: none">• Retain a minor debris flow• Retain a large debris flow• Create a debris flow breaker• Prevent culvert blockages• Drain a collection of debris/rubble• Divert a channel to correct its course• Protect against scour and erosion• Protect channel banks from erosion
Objecto protegido	Estrada
Altura do sistema	2.5 m, 9.5 m
Comprimento do sistema	5 m - 25 m
Número de barreiras	8
Capacidade de retenção	> 1000 m ³ m ³

Em caso de dúvidas por favor contacte com nosso especialista Geobrugg na sua área

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