

# CASE STUDY

## SLOPES & EMBANKMENTS



Lubno sidewalk -  
Czech Republic

## OVERVIEW >>>>

The local council identified the need to widen the busy main road running through Lubno due to the absence of sidewalks. To accommodate the high volume of pedestrians and cyclists using the very scenic route, sidewalks were planned on one side of the road. The cut is situated on the north facing south on the carriageway. The existing slope needed to be excavated to create the necessary space. The project involved reprofiling a 256m long slope, cutting



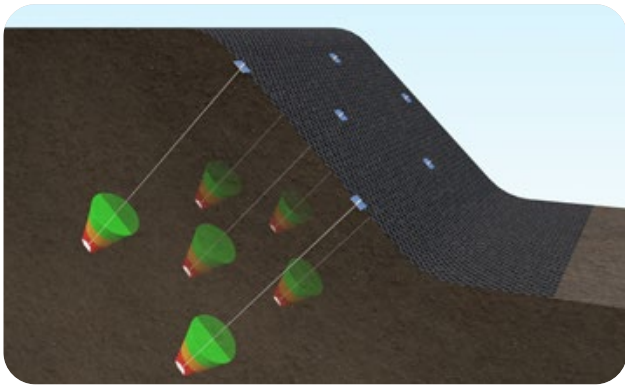
it back at angles between 50° and 60°, with heights ranging from 2.0 to 5.5m and also a shorter (approx. 25m) slope, with a height between 0.7-1m at an 80° angle.



# SOLUTION >>>>

After clearing the thick vegetation, vertical anchor tests were conducted at the slope's crest, confirming that the theoretical anchor performance matched the design specifications. The slope was excavated then draped with an erosion control matting and double twist mesh which would support the loads applied by the Platipus S6 and S8 anchor systems. A top-down construction method was used with anchors then installed to 3m and 5m

deep and spaced 1.2m apart both horizontally and vertically. The project required only a single lane closure, minimising disruption. The available space was sufficient to complete the installation with a 3.5t excavator and a team of three operatives. A total of 924 anchors were successfully installed over a 10-week period, which then allowed for construction of sidewalks to commence. Finally the slope will be planted with ground cover plants as a natural erosion prevention.



CONTACT OUR TEAM

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