

Slide Analysis Information

Odlagalisce Korte

Project Summary

File Name: K37_pred nasutjem
 Slide Modeler Version: 7.013
 Project Title: Odlagalisce Korte
 Analysis: Analiza stabilnosti leve brežine v profilu K-37
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Comments

Analiza stabilnosti v profilu K-37 pred nasutjem

Design Standard

Selected Type: Eurocode 7 - Design Approach 3

Type	Partial Factor
Permanent Actions: Unfavourable	1
Permanent Actions: Favourable	1
Variable Actions: Unfavourable	1.3
Variable Actions: Favourable	0
Effective cohesion	1.25
Coefficient of shearing resistance	1.25
Undrained strength	1.4
Weight density	1
Shear strength (other models)	1.25
Earth resistance	1
Tensile and plate strength	1
Shear strength	1
Compressive strength	1
Bond strength	1
Seismic Coefficient	1

Groundwater Analysis

Groundwater Method: Water Surfaces
 Pore Fluid Unit Weight [kN/m³]: 9.81
 Advanced Groundwater Method: None



Seismic

Advanced seismic analysis: No
 Staged pseudostatic analysis: No

Loading

Seismic Load Coefficient (Horizontal): 0.05
 Seismic Load Coefficient (Vertical): 0.025

Material Properties

Property	GM	Fliš
Color		
Strength Type	Mohr-Coulomb	Generalized Hoek-Brown
Unit Weight [kN/m ³]	19	23
Cohesion [kPa]	0	
Friction Angle [deg]	35	
Unconfined Compressive Strength (intact) [kPa]		3000
nmb		0.431795
ns		0.000172232
na		0.538237
Water Surface	Water Table	Water Table
Hu Value	1	0.8

Global Minimums

Method: bishop simplified

FS	1.044620
Center:	52.375, 64.549
Radius:	56.857
Left Slip Surface Endpoint:	5.094, 32.971
Right Slip Surface Endpoint:	63.262, 8.744
Resisting Moment:	259394 kN-m
Driving Moment:	248314 kN-m
Total Slice Area:	438.96 m ²
Surface Horizontal Width:	58.1686 m
Surface Average Height:	7.54634 m