

Highway Cut Slopes

Road Axis Kalloni – Sigri, Geotechnical Evaluation and Final Geotechnical Design of Cut Slopes

Lesvos Island, North Aegean Sea, Greece

Project

Geotechnical Evaluation and Final Geotechnical Design of Cut Slopes in road axis Kalloni – Sigri, CH. 23+000 ÷ CH. 27+000, Project: Construction – Upgrading of Road Axis Kalloni – Sigri Lesvos island

Construction Cost

Total project's cost: € 44 m.

Project Schedule

Design: 2019
Construction (estimated): 2020

Project Description

Highway works of approximately 4km length, consisting of open cuts up to 20m high, reinforced with fully grouted anchors or with gabions

Geology

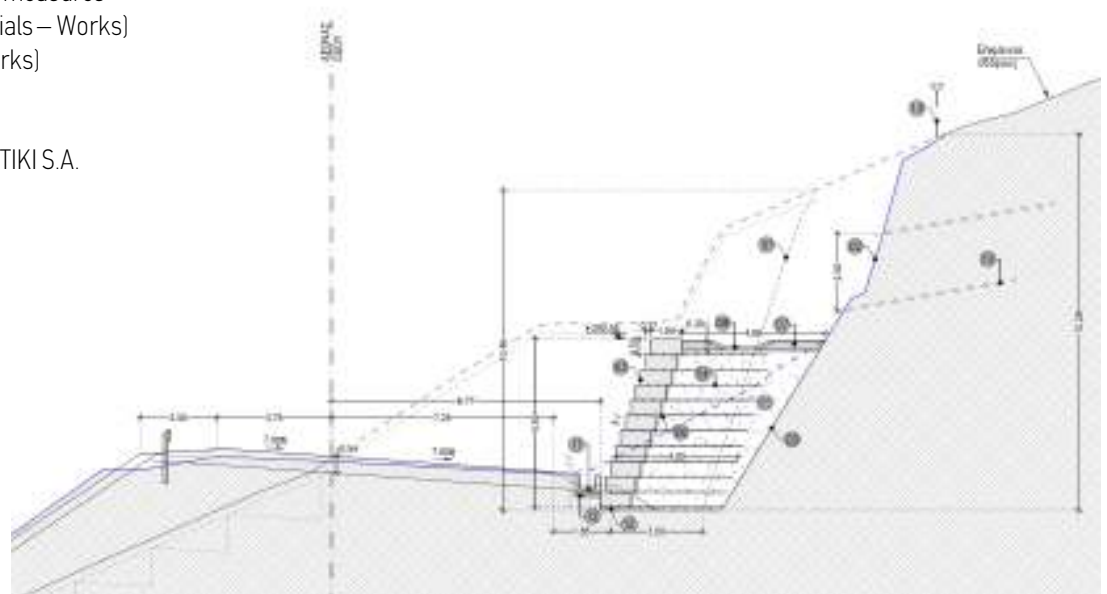
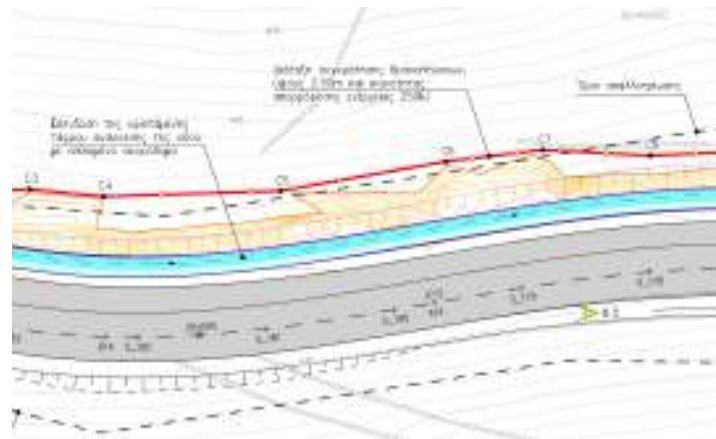
Eluvial deposits, Alluvial deposits, Rock formations of the upper parts of pillow lavas unit

Our Services

- Review of available project data
- Technical evaluation of stability conditions of the cut slopes, considering the contractual provisions of the project, the project design, as well as the encountered geotechnical conditions of the stretch
- Risk Assessment and evaluation of consequences from potential slope failure in the serviceability of the provincial road, in order to serve as the basis for the type and range of the designed rehabilitation measures
- Rockfall and Slope Stability Analyses
- Design of rehabilitation measures
- Bill of Quantities (Materials – Works)
- Budget (Materials – Works)

Client

JV AKTOR S.A. – ANASTILOTIKI S.A.



Highway Cut Slopes

Road Axis Kalloni – Sigri, Detailed Final Design of Embankments

Lesvos Island, North Aegean Sea, Greece

Project

Detailed Final Design of Embankments at road axis Kalloni – Sigri, CH. 41+500 ÷ CH. 46+654.32, Project: Construction – Upgrading of Road Axis Kalloni – Sigri, Lesvos island

Construction Cost

Total project's cost: € 44 m.

Project Schedule

Design: 2019
Construction (estimated): 2020

Project Description

Highway works of approx. 5.1km length, consisting of embankments with max. width 40m and max. height 8m.

Embankments will be constructed with category E1 soil materials according to ELOT standards (A1 or A3 according to AASHTO standards)

Construction of drainage – foundation improvement layer and application of drainage and separation geotextile at the typical section of the embankments.

Installation of topsoil material at the embankments' slopes and application of hydroseeding

Geology

Eluvial deposits, Alluvial deposits, Rock formations of the upper parts of pillow lavas unit

Our Services

- Specialization of project's contractual requirements and provision of supplementary terms for the alignment's embankments at a specific project stretch
- Elaboration of typical sections of detailed construction drawings
- Review and assessment of geological study, geotechnical investigations and appraisals
- Project inspection during the commencement of embankments' construction works
- Bill of Quantities (Materials – Works)
- Budget Estimation (Materials – Works)

Client

JV AKTOR S.A. – ANASTILOTIKI S.A.

