

Highway Embankments – Cuts - Structures

Final geotechnical designs for the motorway connection of Preveza town to Ionia Odos motorway

Greece



Typical embankment section

Project

Earthworks final geotechnical designs (embankments and cuts) and foundation designs for overpasses, underpasses, culverts and bridges of a 35 km motorway stretch for the connection of the town of Preveza with Ionia Odos motorway, Greece.

Design Cost

Design cost: approx. € 270 K.

Project Schedule

Design: 2009 – on going

Project Description

- Total highway length: 35km
- Embankments' total length: ~3km
- Embankments' height: 5 – 14m
- Cuts' total length: ~1.6km
- Cuts' height: 10 - 30m

Geology

Limestones, clays, conglomerates, recent material from landslides, scree, alluvial deposits, marshy deposits, riverbed deposits

Client

MINISTRY OF INFRASTRUCTURE, TRANSPORTATION AND NETWORKS (GR)



Borehole core samples

Our Services

- Elaboration of the project's appraisal report
- Programming, Supervision and Evaluation of the geotechnical investigations
- Earthworks final geotechnical designs (cuts and embankments)
- Geotechnical soil improvement designs for the foundation of structures / embankments
- Foundation designs for overpasses, underpasses, bridges, culverts
- Geotechnical Designs for the foundation of the highway pavement
- Elaboration of technical reports, construction drawings, calculation notes
- The project was undertaken in the frames of the Design Consortium "Omikron Kappa Consulting S.A. – Dromos Consulting Ltd. – Geomatics S.A. - TTA S.A. - Antem Ltd. - Z & A P. Antonaropoulos and Partners – Anestis Panagopoulos – Enveco S.A. - Dromos Consulting Incorporated"