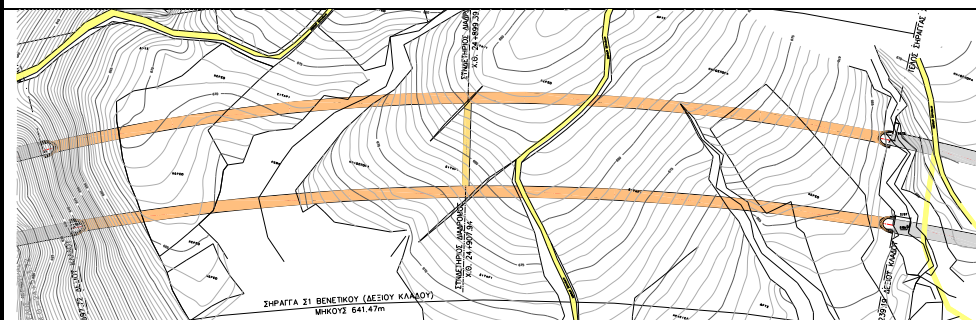
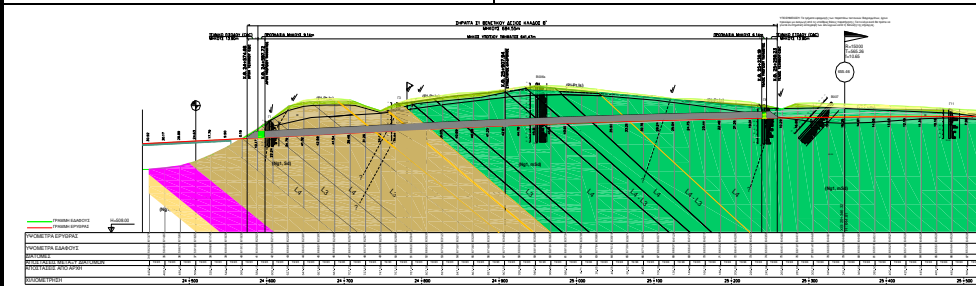


ASSIGNMENT NAME:	Final Design of the Venetikos Tunnel Egnatia Odos – Section 4.1.3
Country:	GREECE
Location:	Egnatia Odos – Section 4.1.3 – Panagia- Grevena
Client:	EGNATIA ODOS S.A.
Start date (month / year):	2003
Completion date (month / year):	2004
Other members of partnership (if any):	Geological and Geotechnical Design: INTERGEO (CONSULTANTS) BÜRO FÜR BAUGELOGIE, GEOTECHNIK, HYDROGEOLOGIE UND UMWELTTECHNIK G.n.b.R. Topographical Study: ARGYRO ARVANITIDOU E/M Design: SINANIS – AGAZIR CHRISTOS Hydraulic Design: K.ZERIS –P. ANTONAROPOULOS Ltd. Architectural Design: «FILON» A. PANTAZIS –P.KYRIOPOULOU & Associates
Consortium Leader:	G. Parigoris
Construction Cost (€):	10.321.000,00 €
Value of the Services provided / Participation	Geotechnical Design (21): 236.060,00 € /100%, - Structural Design (8): 363.170,00 € /100%
Assignment state:	The Final Design has been submitted and approved and the Tunnel construction is complete.



Narrative description of Project:

The Venetiko Tunnel is a twin tunnel, located in section 4.1.3s of Egnatia Odos which spans from Panagia to Grevena. The left branch has a length of about 703m and the right branch about 681m including the portal structures. The two tunnels are connected through one cross-passage. After the exit of the tunnel the highway continues in a trench for about 360m.

Description of services provided within the assignment:

The deliverables included the design for the preliminary support according to the NATM for six categories of support measures (A to F). The support design for the excavation of the trench is also provided.

As far as the final (inner) lining is concerned, statical calculations were performed for all the cross-sections of the road tunnels, as well as the cross-passage and the portal structures.