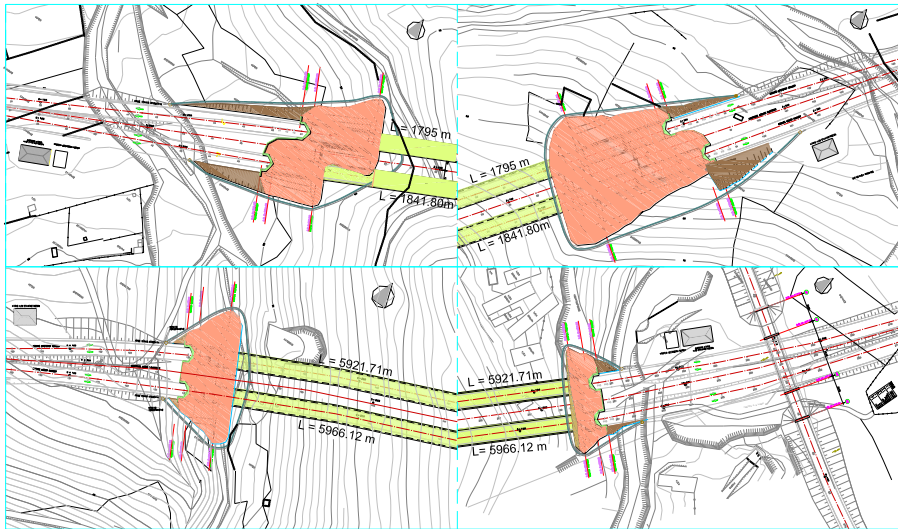


ASSIGNMENT NAME:	Highway Design Larisa-Thessaloniki – Tempi Valley Section
Country:	GREECE
Location:	Tempi Valley
Client:	Ministry of Public Works
Start date (month / year):	1999
Completion date (month / year):	2000
Other members of partnership (if any):	Topographical Design: DIOLKOS TECHNIKI Ltd. Geological Design: Paraskevi Megalomastora Geotechnical Design: Edafomichaniki Ltd.
Consortium Leader:	G. Parigoris
Construction Cost (€):	175,500,000 €
Value of the Services provided / Participation	~300.000 €
Assignment state:	The predesign has been approved and construction has started under a BOT contract



Narrative description of Project:

Two twin tunnels S1 and S2 will be constructed in the section Tempi Junction – Rapsani Junction. The tunnels consist of two branches with unidirectional traffic. The branches are separated by a pillar in order to avoid interaction during the construction phase.:

Table 1 : **S1 Tunnel Data:**

Tunnel S1 - BRANCH	ENTRANCE (M1)		EXIT (M2)		TOTAL LENGTH [m]		
	ENTRANCE C&C	TUNNEL ENTRANCE	TUNNEL EXIT	C&C EXIT	TUNNEL	C&C	TOTAL
LEFT	0+286,50	0+330,00	2+125,00	2+185,00	1795,00	103,50	1898,50
RIGHT	0+264,40	0+295,00	2+136,80	2+216,80	1841,80	110,60	1952,40

Table 2: **S2 Tunnel Data.**

Tunnel S1 - BRANCH	ENTRANCE (M3)		EXIT (M4)		TOTAL LENGTH [m]		
	ENTRANCE C&C	TUNNEL ENTRANCE	TUNNEL EXIT	C&C EXIT	TUNNEL	C&C	TOTAL
LEFT	0+186,11	0+206,11	6+127,82	6+137,82	5921,71	30,00	5951,71
RIGHT	0+183,56	0+203,56	6+141,68	6+151,68	5938,12	30,00	5968,12

Description of services provided within the assignment:

The deliverables included the evaluation of the geotechnical investigations as well as the design for the preliminary support according to the NATM for six categories of support measures (A to F).

As far as the final (inner) lining is concerned, static calculations were performed for all the cross-sections of the road and escape tunnels, as well as the cross-passages and the cut&cover portals.