

ORGANIZATION FOR THE DEVELOPMENT OF CRETE S.A.

COMPLETION OF AFCHIN AGKATHIAS – CHAMEZI - SITEIA SECTION WITH AN APPROXIMATE LENGTH OF 3.8km

CONSTRUCTION: ERGO S.A. – ERGODOMI S.A. – KASTOR S.A. J/V (2014 -)
STRUCTURAL DESIGN: KANON CONSULTING (2014 -)

The most important structure along the Afchin Agkathias – Sitia section in Crete was the Chamezi bridge curved in plan, with a total length of over 840.0m and twenty one spans. As the initial Contractor had not completed the project, the J/V of ERGO S.A., ERGODOMI S.A. and KASTOR S.A. was assigned the construction of the remaining A2 abutment, the completion of the M19 & M20 piers and the construction of the superstructure between pier M10 and abutment A2.



View of the previously constructed piers (part between M10 and M20)

KANON CONSULTING was hired not only to design the new part but also to review and assert the adequacy of the existing structural elements. Among others, the design of the superstructure and the review of the substructure had to take into consideration the adoption of a different construction technique to suit the Contractor's needs, with the use of parabolic post-tensioned tendons instead of the linear pre-tensioned cables that were originally foreseen. Due to the various modifications in the construction process, our office had to provide constant and effective support during the construction sequence.



View of the precast beams