

Land reclamation: Landscape principals concerning infrastructures in Greece

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ABSTRACT

A number of infrastructure projects are on progress all around Greece at the moment. The common propose of these a project is the promotion of quality in: Design, construction and maintenance stages. They also comply with environmental management, which is, a method of organizing and implementing environmental protection measures.

The paper includes by special reference on two important modern transport infrastructure projects for the development of Greece and its communication with Europe and the Balkans. Their landscape types and natural vegetation, local climate, geological conditions, altitudes, aspects and soil types vary. As a result, upland landscapes in particular, are endangered. Due to the complex of nature of this environment, the development and the landscape design of the projects is a high challenging task.

Wherever the nature of the projects requires intervention to the environment, they intend to follow the direct restoration of landscape and method for ecological balance.

The implementation of landscape design of infrastructure projects, aims at restoring the landscape affected by construction works, incorporating transport works into the landscape, emphasizing on areas of particular interest (e.g. archaeological sites), while at the same time observing the principles of an efficient operation and safe use of the alignment.

Landscape design provides, among others for the protection of slopes against surface erosion and the reinforcement of their stability, the improvement of road functionality, the aesthetic

improvement of the landscape, adaptation of the road landscape to the greater environment, visual guidance of the user, screening of lights of the vehicles moving in the opposite direction, the protection against wind etc.

The landscape design strategy and landscape applications are specified by special landscape guidelines and specifications that can be considered as part of the sustainable development of a alignment creating a high a esthetic scenery, ensuring the security of transportation and the environmental protection.

1. INTRODUCTION

A number of infrastructure projects are on progress all around Greece at the moment. The main infrastructure projects in Greece are:

- Egnatia Odos (EGNATIA ODOS A.E.),
- New National Railway (ERGOSE A.E.),
- Patra-Athens-Thessaloniki Highway (PATHE),
- Olympic Games (ATHENS 2004),
- Attiki Odos,
- Attiko Metro,
- Athens Airport,
- Rio- Andirio Bridge,
- Ionia Odos.

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