

COST ANALYSIS OF OPERATION AND MAINTENANCE WORKS ON EGNATIA ODOS MOTORWAY

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ABSTRACT

Egnatia Odos is a new 670km motorway that starts at the port of Igoumenitsa (Ionian sea, West) and ends at Kipi (Greek-Turkish border, East). Egnatia Odos S.A. (EOSA) apart from the project management during the construction period, is also responsible for the operation and maintenance of the motorway and has decided to outsource the relevant works. In order to maintain the network in efficient and economical way, the Operation, Exploitation and Maintenance Division (OEMD) has developed (in house) an information system for monitoring and checking the maintenance work expenses. The estimation of quantities in maintenance contracts is a challenging procedure, because of the nature of the relevant works (defects based on users, environment etc). Based on the analysis of the system data, EOSA is currently able to take decisions based on documented information and also improve future bill of quantities.

A description of the above mentioned information system, relevant procedures, data and works is presented in this paper. It should be mentioned that such an information system and its procedures are being used for the first time in the Greek public motorway environment.

KEY WORDS: Information system, operation & maintenance, data analysis, cost monitoring & checking.