

**ROADSIDE SAFETY EVALUATION
ACCORDING TO EUROPEAN STANDARD EN 1317.
APPLICATION TO INTERURBAN ROAD NETWORK**

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ABSTRACT

Designing the roadside infrastructure was till now a matter of defining and selecting the proper barrier, mainly in high embankment sections, bridges and culverts. The most reliable regulations-guidelines "OSMEO" were published by EGNATIA ODOS S.A., but they were focused mainly on motorway networks. During the past few decades, the Ministry of Public Works published a number of guidelines of minor importance, in order to face the basic tasks of the roadside safety issue.

The adoption of the European Standard EN 1317, is of major importance in evaluating the dangerousness of the roadside areas and to face the issue of roadside safety using proper road restraint systems.

A comparative analysis of the existing regulations and guidelines (KME, OSMEO etc) is presented in this paper, with emphasis to the expected benefits of the use of the EN 1317 E.U. Standard.

In the last part of this paper, a pilot case study on the evaluation of the roadside safety level according to EN 1317 was performed, on a segment of the National Road Athens-Thessaloniki. This segment, of about 8km, is passing through the Tempi valley and is considered as one of the most problematic with respect to road safety.

KEYWORDS: road, roadside safety, barriers, safety audit