

MEASUREMENT OF THE DEGREE OF COMPACTION

OF SOILS IN THE FIELD

by

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and

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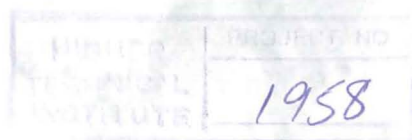
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S U M M A R Y

The objectives of this project were to:

1. describe and comment on the different methods of compaction of soils for highways, roads, buildings and trenches used nowadays in Cyprus, and
2. measure their degree of compaction and compare the results with those found for the same soils in the laboratory using the standard compaction test and the modified AASHTO test.

In order to carry out these objectives and get satisfactory results, experiments were carried out in different locations (roads, buildings, trenches and retaining wall), determining the field density and compare it with the one found in the laboratory using the two compaction tests.

From the results it can be concluded that the difference between the two compaction tests varied from 5 - 10%. This difference, depends on, mostly, the type and nature of the soil, which was verified by the results.

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