
Study to Increase the Capacity of Single Track in the Syrian Railway Net (Section Damascus – Homs)¹

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Abstract

This paper is a study of the railway capacity for single track. It has also additional steps to increase the capacity gradually with the forecast of traffic volume before using the double track.

We take as case study the line Damascus – Homs in the Syrian Railway Net.

The study is based on the theoretical basis of the railway capacity. We present suggestion to divide the Syrian Railway Net in sections to create the time table plan.

We have suggested three versions. The results have shown an increase in the capacity for section Damascus – Homs that reaches more than 3-times for freight volume and more than twice for the passengers.

¹ For the paper in Arabic see pages (37-46).

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