

SIMULATION OF ROAD SURFACE PROFILE

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Abstract

‘An Idea can change a life’ – an advertisement slogan of a popular mobile network company may or may not become true to its customer. But an idea about the profile of a road surface will certainly be of immense use in maintenance and improvement of the road. Usually the basic staff at field level have to furnish the field condition and requirements of funds for maintenance and improvement to the top level head having financial sanctioning authority. But due to red-tapism and lack of necessary tools of presentation, the basic level staff fails to convince the pivot official and get the required grants for maintenance and improvement of the road. Red tape is a complex problem in itself to deal with and beyond the scope of discussion in the present paper. An attempt is made in this paper to develop a mathematical model to present the profile of a road surface on a computer screen.

Keywords: Longitudinal section, cross profile, camber, simulation, road maintenance, pavement.