
CHAPTER 1

ROADWAY AND BALLAST¹

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¹ The material in this and other chapters in the *AREMA Manual for Railway Engineering* is published as recommended practice to railroads and others concerned with the engineering, design and construction of railroad fixed properties (except signals and communications), and allied services and facilities. For the purpose of this Manual, RECOMMENDED PRACTICE is defined as a material, device, plan, specification, principle or practice recommended to the railways for use as required, either exactly as presented or with such modifications as may be necessary or desirable to meet the needs of individual railways, but in either event, with a view to promoting efficiency and economy in the location, construction, operation or maintenance of railways. It is not intended to imply that other practices may not be equally acceptable.

Arema Manual 2013 Roadway And Ballast

Nii O. Attoh-Okine



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Advances in Transportation Geotechnics IV Erol Tutumluer, Soheil Nazarian, Imad Al-Qadi, Issam I.A. Qamhia, 2021-08-04 This volume presents selected papers presented during the 4th International Conference on Transportation Geotechnics The papers address the geotechnical challenges in design construction maintenance monitoring and upgrading of roads railways airfields and harbor facilities and other ground transportation infrastructure with the goal of providing safe economic environmental reliable and sustainable infrastructures This volume will be of interest to postgraduate students academics researchers and consultants working in the field of civil and transport infrastructure

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