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AREMA Manual provides for design of railroad structures using Allowable Stress Design (ASD) and Load Factor Design (LFD) methods. The Load and Resistance Factor Design (LRFD) method is currently not used. Designers should bear in mind that specifications were developed for more or less typical conditions.

#### **Arema Manual For Railway Engineering**

American Railway Engineering and Maintenance of Way Association (AREMA) IHS Markit is your source for AREMA standards and publications. AREMA standards including the Manual

for Railway Engineering (Fixed Properties), and Trackwork Plans. These publications cover items such as: ballast, ties, timber, concrete and steel structures, railway crossings, yards and terminals, waterproofing and maintenance, and track layouts.

#### *AREMA Home*

The AREMA Manual for Railway Engineering contains principles, data, specifications, plans and economics pertaining to the engineering, design and construction of the fixed plant of railways (except signals and communications), and allied services and facilities. 21 chapters are contained in four volumes, updated annually by the technical committees.

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– American Railway Engineering and Maintenance of Way Association (AREMA) (formerly American Railway ... Source: AREMA, Manual for Railway Engineering, Chapter 16, 2000. 31 Gaussian Distribution Curves and Subgrade Pressure Source: Hay, W.W., Railroad Engineering, 1982 Q o Q o. 32

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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

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Association, along with functions of the Communications and Signals Division of the Association of American Railroads.

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