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The ninth edition presents a multi layered elastic design approach to pavement thickness design, rather than empirical. Three temperature conditions are included in the 36 design charts covering both SI (metric) and U.S. customary methods of measurement. 220 x 280 mm (8.5 x 11 in.) and spiral bound for use of use on flat surfaces; 110 pages plus durable cover.

### Ms 2 7th edition - LinkedIn SlideShare

The Asphalt Institute is allowing SW-1 and SW-2 to be downloaded free of charge. However, No support is offered or available for the SW-1 or SW-2 software package. Responsibility for installation and usage is accepted by the user when clicking either application's download link below.

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Additional information is included in The Asphalt Institute's Thickness Design Manual(MS 1) and their Simplified and Abridged Version published in Informa- tion Series No. 18 (IS-181). Another reference is The AASHTO Guide for Design of Pavement Structures, 1986.

### Specification Databases | Asphalt Institute

The 7 th edition of MS-2 Asphalt Mix Design Methods marks the 56 th year of continuous publication of an Asphalt Institute mix design manual. The manual is a practical guide based on proven technologies, incorporating the most current information available in 2014. This edition offers significantly expanded application and guidance relative to our previous mix design manuals.

### Asphalt Institute

Get this from a library! Research and development of the Asphalt Institute's thickness design manual (MS-1) ninth edition. [Asphalt Institute.;]

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Additional information is also included in several Asphalt Institute manuals (including "MS-4 The Asphalt Handbook", "MS-16 Asphalt in Pavement Preservation and Maintenance" and "MS-19 The Basic Asphalt Emulsion Manual.")

### AI MSI-1: Thickness Design--Full Depth Asphalt Pavement ...

About Us. The Asphalt Institute is the international trade association of petroleum asphalt producers, manufacturers and affiliated businesses. Through education, engineering, technical development, environmental stewardship and marketing leadership, the Asphalt Institute promotes the safe use, benefits, and quality performance of petroleum asphalts in a unified voice for our membership.

### **Chapter 4 Thickness Design - APAI**

The latest information for designing full-depth asphalt pavements for parking lots to the continued increase vehicle Asphalt Institute's Thickness Design Manual, Series No. (MS-1), Seventh Edition, which covers all aspects of asphalt pavement design in detail, utilizing the latest, computer-derived information from pavement tests cross-sections given are for typical conditions.

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Table 1 from the Asphalt Institute Manual Series No. 6 (MS-6) shows the factors to be used in calculating the volume of asphalt material at 150C. The factors are divided into two groups: A and B in Table 1 depending on the density. The specific gravity test results for asphalt are reported by the refinery or Department chemists.

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### **Asphalt Institute Manual Ms 1**

Asphalt Institute. APPROVED . THICKNESS DESIGN pavement for Highways and Streets THE ASPHALT INSTITUTE Manual Series No. REVISED EIGHTH EDITION THE 592 1 (MS-I) AUGUST 7970 . Title: AI MSI-1: Thickness Design--Full Depth Asphalt Pavement Structures for Highways and Streets Author:

### **5.10.03. VOLUME OF ASPHALT MATERIALS 1. Scope.**

SW-1 is based on the respected design procedures of the Asphalt Institute as detailed in several Asphalt Institute manual series (MS), information series (IS), and research report (RR) documents. These methods are based on mechanistic- empirical principles and have been developed and refined over a period of 30 years by the Asphalt Institute.

### **The latest information for designing full-depth asphalt ...**

Mechanical Tests - Moisture Sensitivity • Tex-530-C Boil Test • Prepare 1000 g of mix, cool at room temp for  $24 \pm 2$  hrs • Bring oil bath to between 325 and 350oF • Obtain a 200 g representative sample of the mix • Fill 2000 mL beaker about halfway with distilled water and heat to boiling • Add mix sample to beaker, maintain boil for  $10 \pm 30$  s