

Sixty-second Annual Meeting Papers

BITUMINOUS PAVING MATERIALS



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BITUMINOUS PAVING MATERIALS

[Symposium on Methods of Test for Design of Bitu-
minous Paving Mixtures
Symposium on Practical and Statistical Significance of
Tests and Properties of Bituminous Binders
Session on Road and Paving Materials]

Presented at the
SIXTY-SECOND ANNUAL MEETING
AMERICAN SOCIETY FOR TESTING MATERIALS
Atlantic City, N. J., June 23, 24, 25, 1959



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FOREWORD

As a result of expanded highway programs to accommodate our growing traffic load and increased airport runway construction to meet the needs of increasing air traffic and the jet age, there has been an increased emphasis on better pavement construction. Highway engineers want to know more about factors entering into the design of more durable pavements. They also want to know more about the application of existing methods of test to design and construction of bituminous paving mixtures as well as the development of new tests for use in this field.

To assist in meeting these needs, ASTM Committee D-4 on Road and Paving Materials arranged for two symposia, "Symposium on Methods of Test for Design of Bituminous Paving Mixtures," and "Symposium on Practical and Statistical Significance of Tests and Properties of Bituminous Binders," and a "Session on Road and Paving Materials," held during the Annual Meeting of the Society, June 21-26, 1959, in Atlantic City, N. J. The papers presented at the two symposia and the technical session have been combined into the present volume, entitled "Bituminous Paving Materials."

The Symposium on Methods of Test for Design of Bituminous Paving Mixtures was held during two sessions on Tuesday, June 23. Mr. L. F. Rader, University of Wisconsin, acted as Symposium Chairman; Mr. A. B. Cornthwaite, Department of Highway of the Commonwealth of Virginia, presided over the afternoon session, while Mr. Rader presided over the evening session.

The Symposium on Practical and Statistical Significance of Tests and Properties of Bituminous Binders was held on Wednesday, June 24. Mr. D. F. Fink, Shell Oil Co., acted as Symposium Chairman and also presided over the single session.

The Session on Road and Paving Materials was held on Thursday, June 25. Mr. Norman W. McLeod, Imperial Oil, Ltd., was the Program Chairman, and Mr. C. A. Carpenter, Bureau of Public Roads, presided over the session.

**NOTE.—The Society is not responsible, as a body, for the statements
and opinions advanced in this publication.**

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Symposium on Methods of Test for Design of Bituminous Paving Mixtures

THIS PUBLICATION is one of many issued by the American Society for Testing Materials in connection with its work of promoting knowledge of the properties of materials and developing standard specifications and tests for materials. Much of the data result from the voluntary contributions of many of the country's leading technical authorities from industry, scientific agencies, and government.

Over the years the Society has published many technical symposiums, reports, and special books. These may consist of a series of technical papers, reports by the ASTM technical committees, or compilations of data developed in special Society groups with many organizations cooperating. A list of ASTM publications and information on the work of the Society will be furnished on request.

