HIGHWAY DESIGN AND CONSTRUCTION

By the same author

HIGHWAY TRAFFIC ANALYSIS AND DESIGN, Revised Edition

Highway Design and Construction

R. J. SALTER

University of Bradford

Second Edition

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Preface

As in many other branches of civil engineering, the past decade has seen the introduction of many new techniques in the design and construction of highways. These advances have been caused by the rapid increase in traffic loading both in terms of magnitude and frequency, the need to reduce labour costs and improve output by increasing mechanisation and the desire to obtain maximum benefit from limited resources.

Drawing from recent research and development work the book reviews methods of highway design and construction. Described in detail are materials for both rigid and flexible roads, pavement thickness design, the optimisation and execution of earthworks, highway drainage, pavement construction and the maintenance of carriageway pavements.

Included are current recommendations of the Department of the Environment, The Transport and Road Research Laboratory, The Building Research Establishment, Transportation Research Board and the American Association of State Highway Officials.

The book is suitable for students on technicians courses, undergraduate and postgraduate students making a specialised study of highway engineering. Highway engineers in practice will find the current British recommendations for highway design and construction a useful source of reference.

R. J. SALTER

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