
AASHTO-AGC-ARTBA Joint Committee

Task Force 13 Report

Guide to Standardized Highway Drainage Products

November 1999



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PREFACE

This document is disseminated upon sponsorship of the Joint Committee of the American Association of State Highway and Transportation Officials, the Associated General Contractors of America and the American Road and Transportation Builders Association (The Joint AASHTO-AGC-ARTBA Committee) in the interest of information exchange, based on the combined technical expertise of the authors. As such, the opinions and conclusions implied or expressed herein do not necessarily reflect the official views or policies of the Joint Committee or its member organizations.

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November 1999

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ACKNOWLEDGEMENTS

The Task Force wishes to express its thanks to the personnel in the State Highway agencies who have assisted in the preparation of this guide through the submission of plans and their reviews of the guide in draft form.

Thanks are also extended to the manufacturers and associations that provided advice and many of the details incorporated in this guide.

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INTRODUCTION

This guide was prepared by Task Force No. 13 of the American Association of State Highway and Transportation Officials—Associated General Contractors of America—American Road and Transportation Builders' Association (AASHTO-AGC-ARTBA) Joint Committee's Subcommittee on New Materials. It supersedes the 1986 edition of this publication, *A Guide to Standardized Highway Drainage Products*. A new section, "Part 5-Plastic Drainage Products," has been added in this new edition of the publication. Please note, also, that, because of drawing deletions and additions, some of the drawing numbers in this edition do not match those for nominally the same items in the previous edition. This guide is one of a series of guides prepared by Task Force No. 13 in an effort to promote beneficial standardization of details for bridge and road hardware. There is no intent that this guide be viewed as a national standard. It is provided as a supplement to existing agency specifications. It is intended to provide guidance for users and specifiers of highway drainage products who may not have ready access to information contained herein or who may be looking for potentially more economical specifications or details that are in use for these products. It is hoped the guide will spare some from having to "reinvent the wheel." Additionally, the ultimate goal is to reduce highway costs to the public by reducing manufacturing and inventory costs. These costs are often higher than necessary because manufacturers cannot achieve the same efficiency in supplying several versions of essentially the same product as they can with one. Therefore, designers and specifiers of highway drainage products are invited to consider the products shown in this guide to see if they will efficiently meet their needs, especially before developing new specifications or details.

In general, the Task Force has not attempted to address the hydraulic, structural, or durability requirements associated with the items shown in this guide. These are beyond the scope of the guide and are the responsibility of the highway designer. For information on design or for sources of such information, see the *Standard Specifications for Highway Bridges* and the *Hydraulic Engineering Circular No. 1—Selected Bibliography of Hydraulic and Hydrologic Subjects*. These are available, respectively, from:

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A potential problem of standardization is stagnation. The Task Force is aware of this problem and wishes to avoid this resulting as a product of its activities. It, therefore, invites comments on the contents of this guide and information on needs and new developments in highway drainage products that should be considered in preparing future editions of this guide.