

PREFACE

The *ODOT Roadway Drainage Manual* has been developed to provide guidance to Department and consultant personnel performing roadway drainage investigations and preparing roadway hydraulic designs for ODOT and local agency projects. The *Manual* is intended to comply with all State and Federal laws, statutes and regulations, and it presents ODOT criteria, practices and procedures on the hydraulic design of roadway drainage appurtenances. As practical, the user should follow the guidance presented in the *Manual*.

The *Manual* presents much of the information normally required for hydraulic analysis and documentation; however, it is impossible to address every situation that the user will encounter. Therefore, the user must exercise good judgment on individual projects and, frequently, must be innovative in the approach to address hydraulic issues and impacts. This may require, for example, additional research into the hydraulic literature or different approaches than those described in the *Manual*. Where questions exist regarding the appropriate approach, the user should seek guidance from the Roadway Drainage Engineer and other experienced and knowledgeable individuals.

It is also important to recognize that drainage policies and procedures continue to evolve with time. New laws will be passed, new regulations developed, existing regulations revised and new drainage design criteria issued. The hydraulic methods described in this *Manual* are not intended to restrict consideration or use of these new developments. However, the user must evaluate the suitability of the method for the specific application. Where questions exist regarding the use of new methods, the user should seek guidance from the Roadway Drainage Engineer. After appropriate review, this *Manual* may be modified to include these new methods.

The *ODOT Roadway Drainage Manual* was developed by Te Ngo, ODOT Roadway Drainage Engineer and the ODOT Roadway Design Division with assistance from the engineering consulting firm of Roy Jorgensen Associates, Inc. The Manual Review Committee and other individuals involved in the preparation and review included:

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