

INTRODUCTION

The Delaware Department of Transportation (DelDOT) Materials Manual has been developed to provide guidance and assistance to Department personnel and industry suppliers. This Materials Manual provides both practical and procedural guidelines for all materials sampling, testing, and analysis that is performed in support of highway construction and maintenance authorized by the State Legislature.

The Materials Manual consists of the following parts:

Part A – Organization and Administration: provides an overview of the Materials & Research Section and responsibilities of its various units.

Part B – Minimum Testing and Certification Requirements: provides requirements that are applicable to all sampling and testing work performed or directed by the Department. This section also provides guidelines for the Quality Control, Quality Assurance, and Independent Assurance Testing programs.

Part C – Materials Sampling / Testing / Inspection Requirements: provides specific sampling, testing, and inspection requirements for all materials used on Department projects. Sections are numbered according to their corresponding division item numbers in the Standard Specifications.

Part D – DOH Test Methods: provides copies of DOH test methods currently in use.

Part E – Standard Forms: provides examples of forms used by Materials & Research laboratory technicians.

Part F – Glossary: provides definitions and explanations of most of the terms that appear in the Manual or are used in the field.

Part G – Materials Administration Unit Manual: details the procedures and guidelines pertaining to the Materials Administration Unit.

Part H – Relevant Tables and Charts: This section contains English / metric conversion tables and other relevant tables.

The Manual is intended to complement the Standard and Supplemental Specifications, Special Provisions, and Plan Notes. Therefore, numerous references to the Specifications have been included in the Manual. Using this Manual and these references, users will be able to better understand material requirements of the Contract and what they must do to ensure those requirements are met.

Revisions to this Manual will be made as needed. Revised pages will replace existing pages in the Manual so that the Manual will be current.