

Part I Overview

Part I of this Roadway Design Manual (RDM) is primarily directed to the design specific elements and information required to prepare a detailed roadway design. The outline and chapter content has been updated to closely follow the current version of the AASHTO Policy on Street and Highway Design while also providing NCDOT preferences.

This manual is also intended to provide the designer with flexibility in the design process while still maintaining reasonable conformity to common NCDOT design practices. The guidance in this manual is provided in narrative form, with charts, tables, and figures. Because all the design concepts presented cannot be covered exhaustively, references to additional literature will be provided for additional guidance. References to other North Carolina Department of Transportation (NCDOT or the Department) policies or other publications are made for any design criteria not included in this manual in narrative or chart format. No references will be made to design practices believed to be common knowledge by well informed and experienced roadway designers. Due to the evolving nature of the Department's design and plan preparation processes, this document is considered a living document that will be continually edited and updated. If you notice incorrect or outdated information, or broken web links, please contact NCDOT-RDM@ncdot.gov.