

1.7 Manual Overview

The UCDM is organised into three parts:

- **Part I** defines the context and utility corridor selection;
- **Part II** provides the bulk of the Manual's design standards and guidelines needed to develop efficient utility corridor arrangements; and
- **Part III** provides typical and minimum utility corridors arrangement cross sections and plans and supporting material.

1.8 Applying the Manual

The development of utility corridors arrangements is achieved through the application of the step-by-step guide for both new and existing urban streets presented in Chapter 3. The step-by-step guides consider the utility corridors width and location requirements presented in Chapter 4 and the preferred arrangements in Chapter 5. Sample projects are provided in Appendices A and B.

The UCDM not only covers preferred arrangements based on the most common requirements but also allows flexibility for development of customised solutions.

Throughout the manual, important information related to utility corridors is highlighted in a green box.

Unless otherwise stated, all dimensions are illustrated in millimeters (mm).

Table 1.2: Manual Overview

Part I: Context and Process

Chapter 1: Introduction

Introduces the purpose of the UCDM, its jurisdiction limits, intended users and integration with other manuals.

Chapter 2: Goals and Benefits

Presents the UCDM's goals and highlights the cost savings and other benefits of using the Manual.

Chapter 3: Utility Corridors Selection and Approval Routes

Offers a step-by-step guide to the development of utility corridors arrangements and outlines the approval routes.

Part II: Utility Corridors Design

Chapter 4: Utility Corridors Requirements

Provides utility corridor width and location requirements for each utility and includes a summary of utility corridor requirements, application rules and limits.

Chapter 5: Utility Corridors Arrangements

Provides the utility corridors cross section composition and presents various cross section arrangements for different Land Use Contexts and Street Families, as defined by the USDm.

Chapter 6: Junctions, Transitions and Special Arrangements

Illustrates utility corridors arrangements at junctions and transitions, and special details including tunnels, bridges, underpasses and dedicated transit corridors.

Part III: Supporting Materials

Appendices

- A - Sample Project for New Streets
- B - Sample Project for Infrastructure Retrofitting
- C - Typical Utility Corridor Arrangements
- D - Minimum Utility Corridor Arrangements
- E - Definitions
- F - References

Acknowledgements