

The urban streets, which are not part of the Main roads, do not fall within the scope of this manual. Urban Street Design Manual (USDm) and Utility Corridor Design Manual (UCDM) published by UPC are recommended for the adoption as design standards for such facilities.

In order to have a better and clear understanding of the ROW, the definition provided by the ROW Section of DoT, within its published “Right of Way Section NOC User Guidelines” is considered in this manual, which states that, ***“Right of Way is the area of land for providing land transportation infrastructure and accommodating utility services including bridges or tunnels over which or through which land transportation infrastructure passes, and shall include the appurtenant height above and depth below the land and equipment installed on such land. In the event that the area of land is bordered by plot boundaries, it shall include all land between such plot boundaries”.***

The information presented in this manual will serve as guidance material, which should be adopted in concurrence with the manuals/guidelines published by DoT and other institutions, such as:

1. NOC User guidelines, ROW Section, Integrated Transportation Planning Division, DoT, 2011.
2. Abu Dhabi Road Regulations, DoT, 2013.
3. Standard Drawings Manual, DoT, 2013.
4. Non Disruptive Road Crossings Manual, DoT, 2013.
5. Road Lighting Manual, DoT, 2013.
6. Road Landscaping Manual, DoT, 2013.
7. Road Drainage Manual, DoT, 2013.
8. Road Side Design Guide, DoT, 2013.
9. Road Geometric Design Manual, DoT, 2013.
10. Manual of Uniform Traffic Control Devices, DoT, 2013.
11. EHS Management System for Highway Projects, DoT, 2013.
12. Abu Dhabi Urban Street Design Manual, UPC, 2011.
13. Abu Dhabi Utility Corridor Design Manual, UPC, 2011.
14. Roadway Design Manual: Road and Bridges, ADM, 2009.
15. General Specifications for Landscape Works, PRFD, ADM, 2005.
16. Specifications and Standard Drawings for Water, ADWEA/ADDC/AADC, 2012.
17. Specifications and Standard Drawings for Power, ADWEA/ADDC/AADC, 2012.
18. Construction Specifications and Standards, Abu Dhabi, ADNOC, 2005.
19. Guidelines and Regulation of Water and Power, RSB, 2012.

1.3 Application of the Manual

The manual provides guidelines for consultants and contractors involved in the design and construction of roads and utilities. Due consideration has been given to the high costs of acquiring new ROW and the potential of increasing environmental impacts, therefore, more reliance is placed on obtaining maximum capacity and usage from the existing road corridors.

Another important aspect considered is the protection of the public, and specifically, the Government's investments in ROW. The design standards presented in here have the bases that protect the ROW, utilities within the ROW and their defined usage. It is mandatory for the users of