

1.1 Introduction

1.1.1 Background

In recent decades the Emirate of Abu Dhabi has emerged as a global destination experiencing substantial growth in commerce, industry, international trade and tourism. This rapid growth has attracted many visitors to Abu Dhabi, helping to create a rich and diverse society. At the same time, the Emirate has sought to preserve its national and cultural identity which is evident today in the varied lifestyles existing in Abu Dhabi, Al Ain and other centres within the Emirate.

The vision of His Highness Sheikh Khalifa bin Zayed Al Nahyan, President of the UAE and Ruler of Abu Dhabi, is to continue to build a confident and sustainable society with a globally competitive economy. Key to this vision is the creation of a world class transport system supporting the efficient movement of both people and materials as set out in the DoT's 2030 Surface Transport Masterplans prepared for Abu Dhabi City, Al Ain City and the Western Region. Key components of both of these documents are the effective control of developments and management of parking.

In order to create a comprehensive transport system supporting the residents of Abu Dhabi, it is firstly necessary to understand their day to day travel needs. In recognition of this requirement, the Department of Transport (DoT) have embarked upon an extensive data collection exercise capturing the parking and travel characteristics of the people of Abu Dhabi. This has involved the survey of nearly 400 different land uses throughout the Emirate. The culmination of this process is the creation of a Trip Generation and Parking Rates Manual capturing the travel needs for a variety of land uses across the Emirate.

1.1.2 Purpose

The Abu Dhabi Trip Generation and Parking Rates Manual (ADTGM) is an essential document for estimating the potential trip generation and parking requirements for proposed developments in the Emirate of Abu Dhabi. Following international best practices, the manual has been developed through a detailed understanding of local conditions and an extensive review of planned future developments. Underpinning the data collection and manual production is an extensive set of quality control procedures to ensure the data is robust and reliable.

1.1.3 Use of the Manual

This manual has been developed to assist end users in determining the potential demand for parking and trip generation for new developments. It is intended that this manual be used by a range of practitioners including developers, engineers, architects and local authority reviewers to undertake advisory and design tasks, including:

- Forecast peak hour traffic volumes for proposed new developments to assist in the design of development accesses and highway improvements;
- Accurately determine the quantum and mix of land uses that can be accommodated on a site based on the estimated trips; and
- Ensure sufficient parking is provided to meet the requirements of a development with respect to its size and location.