

PART 1

ROADWAY DEVELOPMENT

SECTION 100

GENERAL INFORMATION

101 PURPOSE

101.01 INTRODUCTION

The Manual is intended to serve as a guide for the design of the roads and highways that fall under the jurisdiction of the Road Section, Abu Dhabi Municipality. The Manual provides a range of acceptable values for critical dimensions and outlines parameters that will help designers conform to the expectations of the Road Section of the Abu Dhabi Municipality. It is assumed that the user has the educational and engineering experience necessary to properly implement its procedures, guidelines and criteria.

It is perceived that this manual will promote the following:

1. All designs will be based on identical criteria.
2. Plans will have a consistent, well-organized format which will not vary greatly from project to project.
3. Familiarization of criteria and procedures will be simplified.
4. The technical review process will be expedited for both the Road Section and the Consultant.
5. Cost efficiencies will be realized during design by an early understanding of procedures and criteria to be employed.

The manual is presented in loose-leaf form to facilitate revisions and additions. This manual utilized established analysis techniques and design standards from recognized technical associations that are listed as references in Appendix A.

When the Roadway Design Manual is combined with the four companion documents listed below, the standardization of the planning, design and construction of roadway projects will be

complete. The companion documents to this manual are:

- Standard Specifications for Roads and Bridge Construction - 1996
- Consultant Procedures Manual - 1997
- Roadway Standard Drawings - 1996
- Construction Supervision Manual - 1997

Where the Consultant's scope of work and this manual conflict, the scope of work shall govern.

Revisions and additions to this manual will be issued from time to time as required. This section contains information regarding technical memorandums used to submit future revisions and additions.

Further contained in this section is an overview of the layout of the manual content, roadway classifications, route designations connecting U.A.E cities and emirates, and streets and place names as assigned by Abu Dhabi Municipality.

102 CONTENTS AND ORGANIZATION

The scope of the Roadway Design Manual is comprehensive, and is divided into three parts. The three parts are further divided into sections, each with appropriate sub-sections. The three parts are:

- Part 1 Roadway Development
- Part 2 Roadway Design
- Part 3 Structures and Bridges

102.01 PART 1: ROADWAY DEVELOPMENT

The purpose of the Roadway Development part is to outline the information and data which must be analyzed to determine a project's scope. This information and analyses are assembled into a Design Concept Report, which becomes the basis for the project design.

The Roadway Development part is divided into three sections. The first section explains the formal organization of this manual and the other two sections, the Design Concept Development