

and the Design Concept Reports, define the conceptual design of the project.

The Design Concept Section includes subsections in Transportation Planning, Socio-economic Data, and Technical Investigations. Conceptual Design must be based upon site specific community considerations that reflect military, utility, environmental features, physical properties of the site, and circulation that define the project design. To support the land's intended use, procurement of the information from departments within the Municipality and outside of Municipality's organization is required.

All the Project-specific data collected forms the basis for the Design Concept Report, a summary of the technical analyses and schematic design that are to be used for plan preparation and construction.

102.02 PART 2: ROADWAY DESIGN

The purpose of the Roadway Design part is to identify the design standards that all roadway projects are required to meet. The project design is based on these standards. When used in conjunction with the Standard Specifications for Road and Bridge Construction, and Abu Dhabi Roadway Standard Drawings, the resulting project plans and specifications for all projects are completed to the same requirements and format.

Specifically, the Roadway Design Part provides details in geometric design standards for each component of the roadway project. The information is divided into eleven sections that include General Design Criteria, Geometric Standards, Geometric Cross Sections, At Grade Intersections, Interchanges, Geotechnical Engineering, Drainage, Utilities, Traffic Engineering, Lighting, and Roadside Development.

102.03 PART 3: STRUCTURES AND BRIDGES

The purpose of the Structures and Bridges part is to identify the design details with which all structures are required to comply. As with the

Roadway Design part, this document is intended to be used in conjunction with the Standard Specifications and the Abu Dhabi Standard Drawings for the standardization of details for structures and bridges.

Uniform design and construction of structures and bridges promotes efficiency of design, construction, and maintenance. This part focuses on features incorporating sound design and cost-effective design practices to meet this goal.

This part consists of nine sections that cover the general aspects of structures and bridge design. Subjects covered include, General Design Criteria, Design Loads, Reinforced Concrete, Prestressed Concrete, Structural Steel, Expansions and Contractions, Geotech and Retaining Walls. The last section addresses miscellaneous items such as Traffic Supports, Utilities and the Falsework Policy and Requirements.

103 TECHNICAL MEMORANDUMS

103.01 GENERAL

This manual will be supplemented from time to time with technical memorandums (TM) addressed to the Consultants for the purpose of transmitting and formalizing appropriate revisions or additions, to the manual. This manual can only be revised by the issuance of a TM authorized and signed by the Chief of Road Section, Abu Dhabi Municipality or his designated representative. Technical memorandums will be developed and issued as two distinct types, general and specific, and are further defined below.

103.02 TECHNICAL MEMORANDUMS - GENERAL

Technical Memorandums - General, deal with issues or information that must be distributed on a system wide basis to all consultants. They are also used to provide advance directives with respect to imminent revision or additions to the Roadway Design Manual. Examples are revisions or refinements to policies, guidelines or criteria.