

Chapter 1

Design Controls

The following are changes, additions or deletions to the January 2003, Topic #625-000-007, Plans Preparation Manual (PPM) - English, for use on Turnpike projects only.

1.5 RRR Design

Add Section 1.5.1

1.5.1 Turnpike Resurfacing, Restoration and Rehabilitation (RRR) Design

In addition, the Design Consultant shall review the findings of applicable concept reports, verify the existing roadway conditions, conduct a roadway condition assessment over the length of the project, and prepare a report that identifies all geometric and physical roadway elements that do not meet the current FDOT or AASHTO design criteria. The Consultant is referred to Chapter 25, Section 25.3 as well as Chapter 23, Section 23.2 for guidance in the development of the Roadway Condition Assessment Report.

The Consultant's report, along with recommendations that address corrective measures and issues that may require design variations/exceptions or enhancement work that may be included in the resurfacing project, shall be submitted to the Project Manager and the Turnpike Design Engineer.

The Turnpike will evaluate the report and determine what elements will require a design variation/exception and or the enhancement work to be included into the current project. The Consultant will be so directed by the Project Manager on how to proceed.

1.11 Turnpike Design Controls

Add this entire section

1.11.1 Use of "Interstate" vs. "Freeway Other" vs. "Non Interstate" Criteria

The Turnpike System should be designed to "Interstate" Standards unless approved by the Turnpike Design Engineer.

1.11.2 Design Vehicle

The Turnpike's standard design vehicle is the WB-50. In parking lot areas (i.e., Service Plazas, etc.) the WB-67 design vehicle should be used.

Other truck criteria that should be considered in the design of service plaza parking is as follows:

A parking stall angle of 25 degrees.

A parking stall width of 15 feet (4.6 m) and a clear length of 75 feet (23.9 m).

A one-way parking lot driving aisle of 24 feet (7.3 m) around the parking island.