

Chapter 25

Florida's Design Criteria for Resurfacing, Restoration and Rehabilitation (RRR) of Streets and Highways

The following are changes, additions or deletions to the January 2014, Topic #625-000-007, Plans Preparation Manual (PPM), for use on Turnpike projects only.

25.1.2 Application

Revise 3rd Paragraph

Existing median crossovers on Interstate highway and freeways shall be evaluated for conformance to the criteria in section 2.14.4, Crossovers on Limited Access Facilities, and as modified in TPPPH section 2.14.5. Crossovers that do not meet those criteria shall be presented to FTE staff for internal review. FTE staff will provide direction to either remove or relocate the crossover.

25.3.6 Document the Design Process

Revise 1st Paragraph

The designer shall include in the design an Existing Roadway Conditions Assessment Report (ERCAR) that substantiates the design process, evaluates all existing conditions against criteria, provides recommendation, and documents decisions made. It should including the following information:

Add the following Items

7. The Turnpike will evaluate the ERCAR and determine what elements will require a design variation/exception and/or the enhancement work to be included into the current project or a separate FPID. The consultant will be directed by the FTE Project Manager on how to proceed.
8. ERCAR guidelines can be found at the following link:

http://design.floridasturnpike.com/prod_design/roadway/resourcesandchecklist.html

25.4.3 Pavement Design

Add the following sentence

See section 16.2.7.1 for additional FTE pavement design requirements.

25.4.26.2 Existing Structures - With Planned Additional Loading

Replace the last sentence

Structures should be strengthened or replaced. Design exceptions will not be permitted.

25.5 Design Exceptions and Variations

Revise the following section

Every effort should be made to adhere to new construction criteria. However, it may be necessary and appropriate to use values that are less than the minimum FTE preferred values. Application of lesser values shall be identified and coordinated with FTE. The necessary evaluation, coordination, approval, and concurrence shall be obtained at the earliest possible time, but not later than Phase II, so that the denial of any such request will not alter the project letting date.

Design Exceptions and Variations on resurfacing projects will be processed as follows:

1. If a design exception is identified under the ERCAR, the element should then be evaluated against Chapter 25 for final determination of a design exception. If the element meets Chapter 25 design criteria, a technical memo will be submitted for approval by the Turnpike Design Engineer documenting that the element meets Chapter 25 criteria and a design exception is not required.
2. If a design exception is identified under the ERCAR and also does not meet Chapter 25 criteria, then a design exception will be processed against current new construction criteria.
3. All design variations identified under the ERCAR will be processed against PPM and TPPPH new construction criteria.