OFFICE OF DESIGN
UPDATE TRAINING
2013

FLORIDA GREENBOOK

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Presentation Agenda

Overview of Florida Greenbook Process

2013 Greenbook – Highlights
Overview

- English Units
- Electronic Version

http://www.dot.state.fl.us/rrdesign/FloridaGreenbook/FGB.shtm
Overview

- **Section 336.045, Florida Statutes**
- **Cities and Counties**
- **New Construction and Reconstruction**
- **Advisory Committee**
  - 28 members (4 from each District)
  - Meets at least once per year
  - Chapter Subcommittee involvement
- **Rule Chapter 14-15.002 Florida Administrative Code**
- **Criteria based on AASHTO minimums**
Overview

Please call or e-mail us if you have any questions or concerns.

We want to hear from you!

As customers, your input is important to us!
Florida Greenbook

DRAFT

MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS
(Commonly known as the "Florida Greenbook")

State of Florida
Department of Transportation

MAY 2013 EDITION

The Florida Greenbook will be posted on the FDOT Web Site at:  http://www.dot.state.fl.us/rd/design/FloridaGreenbook/FGB.shrm
Major Changes

- Roundabouts
- Bridge Width
- Safety Edge
Roundabouts
Roundabouts

Chapter 3 Section C.8.b.6 Roundabouts

Reason for Change

NCHRP Report 672 Roundabouts: An Informational Guide

Adopted by FHWA

Criteria

Procedures for Justification
Roundabouts

Consider under following conditions

- New construction
- Reconstruction
- Traffic operations improvements
- Resurfacing
- Reduce crash frequency and severity
Bridge Width
Bridge Width

- Chapter 3 Section C.13 Very Low-Volume Local Roads (ADT ≤ 400)
- Reasons for the change
  - Wide Bridges
    - Constructed on very low volume roads
    - 40’ wide on small dirt roads
Bridge Width

- 2013 Florida Greenbook
- Chapter 3 Section C.13 Very Low-Volume Local Roads (ADT ≤ 400)
- Chapter 4 of AASHTO Guidelines for Geometric Design of Very Low-Volume Local Roads (ADT ≤ 400)
Bridge Width

C.13.a Bridge Width
- Two-lane min. of 22’
- Equal to total roadway width
- One-lane min. of 15’

C.13.b Roadside Design
- Test Level 2 Bridge Traffic Barriers
  - NCHRP Report 350
  - Manual for Assessing Safety Hardware (MASH)
Safety Edge

Chapter 5 Pavement Design and Construction Section A
Introduction

- Adjacent to travel lane
- Without curb or paved shoulder
- Posted speed 45 mph or greater
- New construction
Safety Edge

- Section B.5 Shoulder Treatment
- Safety Edge
- Mitigates vertical drop offs
- Wedge shape
Safety Edge

Safety Edge Figures

Figure 5-1 Two Lane Road with Safety Edge
Safety Edge

- Safety Edge Figures
- Figure 5-2 Safety Edge Detail (No Paved Shoulders)
Summary

Roundabouts

- NCHRP Report 672 Roundabouts: An Informational Guide
- Consider using under listed conditions

Bridge Width

- Chapter 4 of AASHTO Guidelines for Geometric Design of Very Low Volume Local Roads (ADT ≤ 400)
- Bridge Width Criteria and Guidance
- Bridge Traffic Barriers

Safety Edge

- Adjacent to travel lane and with posted speed 45 mph or greater
- Two Safety Edge Figures Added
Thank You!

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