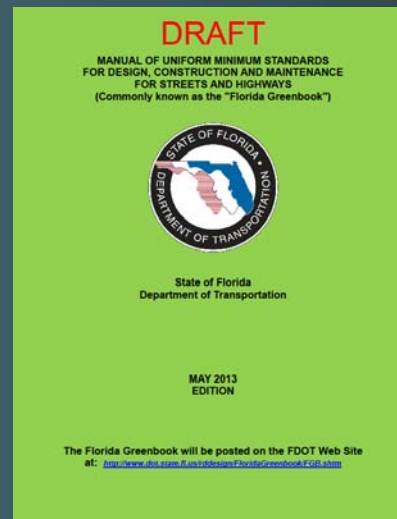


OFFICE OF DESIGN UPDATE TRAINING 2013

MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS (FLORIDA GREENBOOK)

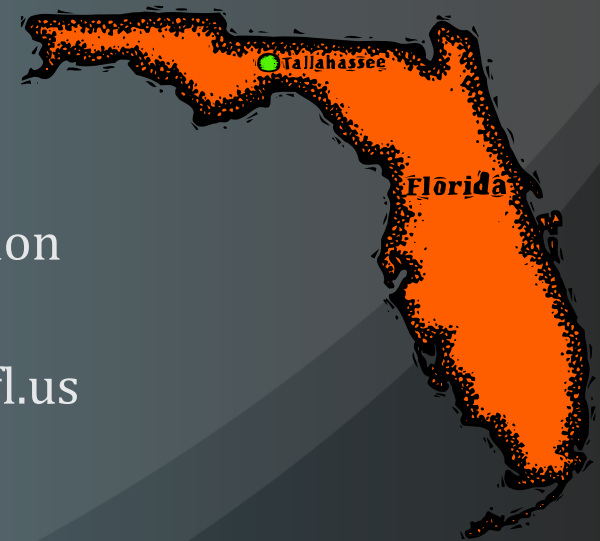


OFFICE OF DESIGN UPDATE TRAINING 2013

FLORIDA GREENBOOK

May 2013

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Criteria and Standards Section
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Presentation Agenda

**Overview of Florida Greenbook
Process**

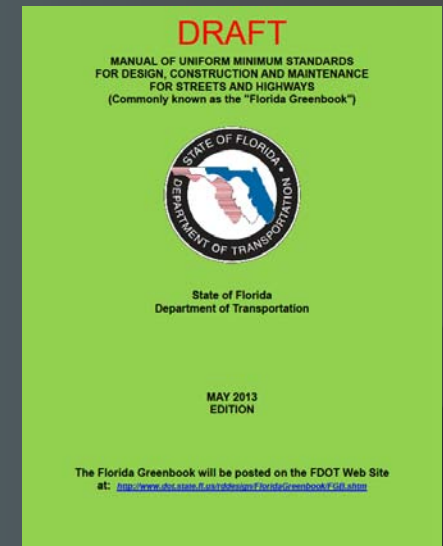
2013 Greenbook – Highlights



Overview

- English Units
- Electronic Version

<http://www.dot.state.fl.us/rddesign/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.

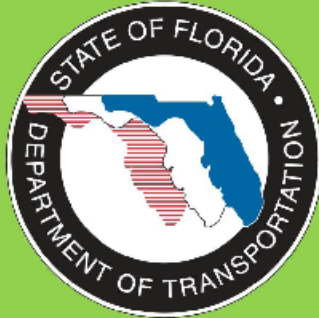
We want to hear from you!



As customers, your input is important to us!

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/rddesign/FloridaGreenbook/FGB.shtm>

Florida Greenbook

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 ($ADT \leq 400$)**
 - **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 \leq 400)**
 - **Chapter 4 of AASHTO Guidelines for Geometric Design of Very Low-Volume Local Roads (ADT \leq 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



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**

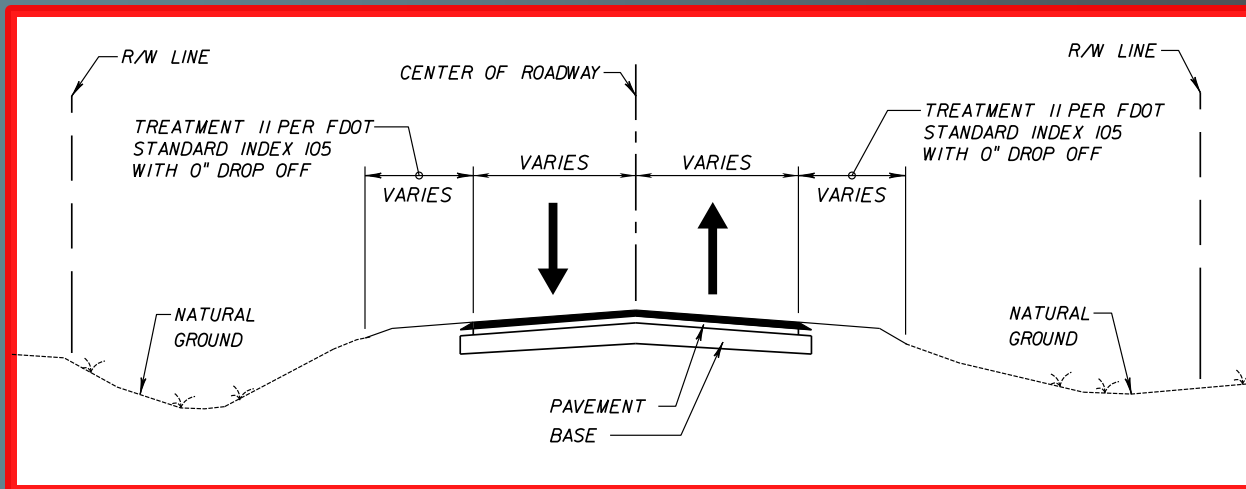
Safety Edge

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

Safety Edge

- Safety Edge Figures

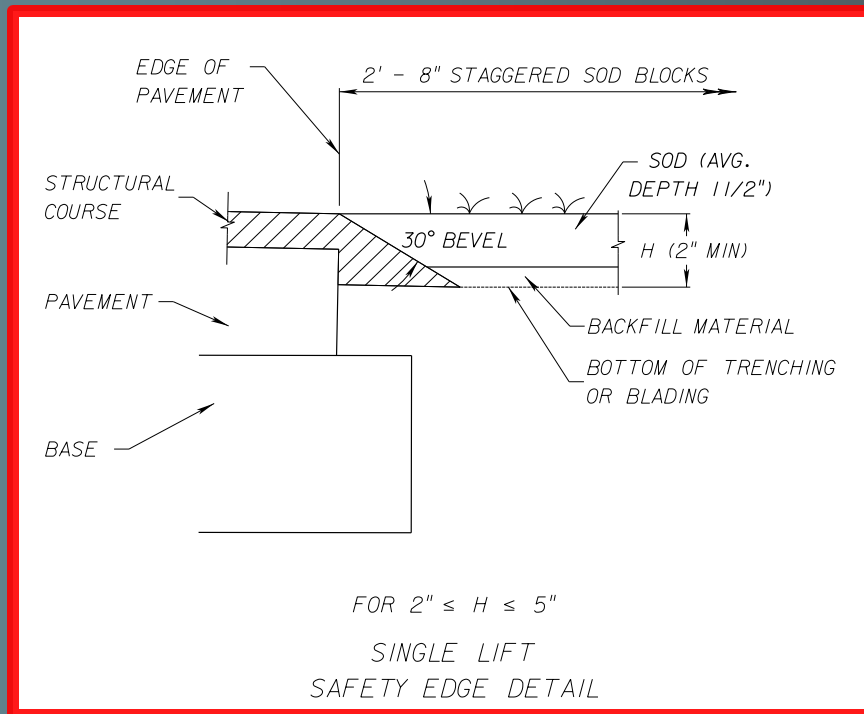
- Figure 5-1 Two Lane Road with Safety Edge



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 ($ADT \leq 400$)
- 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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