

# Florida Greenbook Subcommittee Meeting

Manual of Uniform Minimum Standards for Design,  
Construction and Maintenance for Streets and Highways

## Subcommittee Meeting Minutes Chapters 1, 3, 14, 15, 16 and 19

Monday, February 10, 2025  
3:00 PM – 4:00 PM

Virtual Meeting via Microsoft Teams  
[Virtual Meeting Link](#)

Attendees:	<b>D1:</b> Kevin Ingle <b>D2:</b> Kenneth Dudley, Ramon Gavarrete <b>D3:</b> Rick Hall, Keith Bryant, Chance Powell <b>D4:</b> John Olson, Robert Behar <b>D5:</b> Gail Woods <b>D6:</b> Karina Fuentes, Miguel Soria, Juvenal Santana, Andy Garganta, <b>D7:</b> Allan Urbonas, Todd Crosby <b>Committee Staff:</b> Derwood Sheppard, Rhonda Taylor, Jacqui Morris <b>Associate Members:</b> <b>FACERS:</b> Travis Terpestra <b>FDOT Technical Advisors:</b> James Frimmel, Benjamin Gerrell <b>Guests:</b> Jennifer Musselman, Terra Parish, Paola Riveros, Zoryana Fedyushko, Jady Chen, Raul Alessandri, James Ehmer, Sofi Quinones-Benejam, Alissa Torres, Kenneth Hills, Scott Kroper, Chad Lingenfelter, Zachary Billings, Raymond Lewis, Anthony Castellone, Nina Sickler, Leah Bolton, Samantha Samford, Chad Johnson, Grace Taussig, DeWayne Carver, Anna Harlson, Keith Krieger, James Kalowsky, Joey DeFrancisco	
Topic:		Presenter
1.	<b>Welcome [Slide #1 – 3]</b>	Jacqui Morris and Derwood Sheppard
	<p>Jacqui Morris, the Florida Greenbook Coordinator, introduced herself and welcomed everyone. Thanking attendees for joining today's meeting of the Florida Greenbook Subcommittees.</p> <p>This meeting is 1 of a series of 6 meetings we are holding to kick off the next editions of the Florida Greenbook. We're excited to have a dedicated group of stakeholders here, both in person and virtually, to engage in the conversation and help shape the future of the Greenbook.</p> <p>Today, we will be focusing on discussing specific chapters, which you can see displayed on the screen.</p>	

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## Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways

	<p>As part of the Greenbook update process, we are gathering valuable feedback, insights, and recommendations. This meeting serves as an important opportunity to ensure the Greenbook evolves to meet current and future needs.</p> <p>We will have a structured discussion on the chapters listed today.</p> <p>As a reminder, this is public meeting. There will be a dedicated time for public comment later in the session, so please feel free to prepare any feedback or questions you may have as we move through the discussions.</p> <p>Meeting notes will be provided. These notes will include a summary of discussions, any decisions made, and the feedback we receive from public comments.</p> <p>Jacqui introduced Derwood Sheppard, the Florida Greenbook Chair. Derwood welcomed the attendees and reaffirmed that the mission of incorporating context-based design remains unchanged, emphasizing that progress continues in a positive direction. He shared that a tiered approach will be implemented, beginning with the adoption of the new MUTCD. While some chapters will be affected more than others, the Florida Greenbook (FGB) will be reformatted to align more closely with the Florida Design Manual (FDM). This reformatting will create a foundation for implementing larger changes in the future. Further discussions will take place during the face-to-face meeting in April.</p>	
2.	<b>Introductions</b> [Slide #4]	Subcommittee Members
	<p>Jacqui asked the Chapter Subcommittee Members to turn on their cameras and unmute their microphones and introduce themselves.</p> <p>Each of the members introduced themselves.</p> <p>Guests were asked to type their names and emails into the meeting chat.</p>	
3.	<b>Florida Greenbook User Survey Overview</b> [Slide #5]	Jacqui Morris
	<p>In January 2023, the FGB Advisory Committee decided <u>to not sunset</u> Chapter 19, which laid the foundation for ongoing discussions and improvements to the FGB.</p> <p>In April 2023, the Advisory Committee began exploring a more context-based design approach, which led to forming a task team dedicated to further developing this approach.</p> <p>The task team's goal was to create a framework to better address the varying conditions and contexts in Florida's diverse communities.</p> <p>Since then, the task team has engaged in ongoing research and development (a continuous effort).</p> <p>In September 2024, we conducted the FGB Usage Survey in coordination with FACERS. The survey gathered valuable input which shaped the direction of the FGB revisions we are discussing today.</p> <p>In October 2024, the Advisory Committee formally approved the directive to fully integrate context-based design criteria.</p>	

# Florida Greenbook Subcommittee Meeting

## Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways

	<p>The task team also launched a GIS Context Classification Layer, providing vital mapping resources.</p> <p>FDOT released the Complete Streets Handbook in December 2024, ensuring that local agencies are equipped to implement context-based design criteria effectively on their own projects.</p> <p>The task team has worked diligently to establish a clear vision and purpose for the planned updates.</p> <p>The September Usage Survey gathered input on how the FGB chapters are used in the real world, to help identify where improvements could be made.</p>	
	[Slide #6-8]	Jacqui Morris
	<p>The Florida Greenbook Task Team has been working diligently to establish a clear and cohesive vision, purpose, and set of objectives for the updates we're discussing today. The process included collaboration among task team members, technical advisors, and key stakeholders, ensuring that we reflected the diverse needs of communities, agencies, and professionals throughout Florida.</p> <p>Vision - The Florida Department of Transportation (FDOT) is consistently at the forefront of transportation planning and infrastructure development in the state. The FDOT Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (the Florida Greenbook) serves as a vital resource for local governments, transportation engineers, and planners, providing guidelines and standards for roadway design and construction. With the evolving landscape of Florida's communities, it is becoming increasingly important to ensure that these guidelines are sensitive to the specific needs and characteristics of our urban, suburban, and rural areas.</p> <p>Purpose - To revise and restructure the Florida Greenbook to incorporate context-sensitive design criteria and classification divisions based on urban, suburban, and rural contexts.</p> <p>Objectives - Ensure the Florida Greenbook addresses the unique needs and characteristics of Florida's urban, suburban, and rural areas through context-sensitive guidelines. Develop clear and actionable criteria for classifying areas based on context to inform design standards. Improve the usability of the Florida Greenbook by providing more specific guidance tailored to the context of the area being developed</p> <p>The FDOT has onboarded a consultant team to support this process, to assist with research and editorial updates, and to ensure the Committee's vision stays on track.</p> <p>Kittelson and Associates brings a wealth of experience to this effort. Jennifer Musselman will serve as Kittelson's project manager. Jennifer will be leading the team and guiding the overall process. She has several key team members including DeWayne Carver, Jady Chen, James Ehmer, and Mary Raulerson. Their team will work alongside the FGB subcommittees.</p>	
	[Slide #9-28]	Jennifer Musselman

# Florida Greenbook Subcommittee Meeting

## Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways

	Jennifer walked through the survey results, highlighting the results of the Usage Survey, along with recommendations for each of the chapters.	
4.	<b>Committee Discussion</b> [Slide #29-30]	Subcommittee Members
	<p><b>From Chat:</b></p> <ul style="list-style-type: none"> <li>Ramon Gavarrete: Let's not forget that this is a manual for locals and not FDOT.</li> </ul> <p><b>Sub-Committee Discussion:</b></p> <p><i>How are these chapters currently being used?</i></p> <ul style="list-style-type: none"> <li>Andy Garganta (Chapter 3) – <ul style="list-style-type: none"> <li>Re: Context-based design, the organization of the chapter is cumbersome. People are used to the FDM, maybe we make the arrangement similar to the FDM so it's easier to follow.</li> <li>Jennifer Musselman: we will update the formatting and numbering first and then work on organizational update later</li> </ul> </li> <li>Robert Behar (Chapter 3) - <ul style="list-style-type: none"> <li>Two items are missing from Chapter 3: <ul style="list-style-type: none"> <li>Border width most consultants have to refer to the FDM (it's defined in the FI Greenbook, but there is no specific guidance).</li> <li>The K values used for RRR projects are missing/better clarification on vertical and horizontal design guidance. There are no K values in the FL Greenbook for reconstruction specifically, only for resurfacing.</li> </ul> </li> </ul> </li> <li>Ramon Gavarrete <ul style="list-style-type: none"> <li>I want to highlight that this is a manual for local jurisdictions, not for FDOT. We can follow the same format as FDM, but it should not reiterate all the standards in DOT materials. More flexibility for local streets is crucial.</li> <li>Don't copy the FDM for K values/other specific guidance as context is not the same statewide</li> <li>Most small counties may not use FDM</li> <li>Locals have an obligation to accommodate commissioners and other stakeholders</li> </ul> </li> </ul> <p><i>What are the minimum criteria that are most important to maintain?</i></p> <ul style="list-style-type: none"> <li>Ramon Gavarrete <ul style="list-style-type: none"> <li>More guidance on sight and stopping distances – important to keep the minimums (don't necessarily have the ROW that DOT has)</li> <li>Especially consider sight and stopping distances where landscaping is used as traffic calming</li> </ul> </li> <li>Robert Behar <ul style="list-style-type: none"> <li>Lane width minimums</li> </ul> </li> <li>Rick Hall (Chapter 3)</li> </ul>	

# Florida Greenbook Subcommittee Meeting

## Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways

- Re: Suburban and rural conditions – new parameters for new urbanism-type projects are in context areas 4,5,6. The FI Greenbook would help if there were design characteristics that were set up around a town center, not a suburban or rural context which would require exceptions. How can we bring a walkable town center into fruition. Chapter 3 tends to be suburban or rural guidance.

### *Are there any topics missing?*

- Rick Hall
  - More guidance on evaluation measures and procedures of urban contexts, especially T5/urban densities that are walkable
  - If you meet all 8 secondary criteria, meet density, when a developer is trying to get entitlements, if they meet the parameters that are similar to T5, if your plan continues to meet that parameter, you should get a check box (so you don't have to do trip gen/forecast) - this would encourage more developers to be walkable
- Robert Behar
  - Border width – need to decide between AASHTO and FDM, AASHTO is a little more lenient, FDM is a bit more restrictive

### *(Question from Jacqui) What guidance could be helpful in your evolving communities*

- Rick Hall:
  - Barrier Island location – no local transportation staff to review what the consultant put together – private reviewer was only familiar with C3 level of service.
  - Pedestrian Level of Service should be included rather than automotive level of service.
- Robert Behar
  - Superelevation transitions – Greenbook is vague, it is included in FDM

### *Chapter 15 and 16 – is there a desire to combine chapters and/or integrate into Chapter 3?*

- Andy Garganta
  - Residential Streets should be combined into Chapter 3 with the context class approach
- Rick Hall
  - There is confusion about which chapters apply - Your residential portion is better defined when the original residential chapter was written
  - Residential component is already talked about (integrated with contexts/transects)

### *Traffic Calming?*

- Robert Behar
  - Some traffic calming concepts are not included in the FL Greenbook – chicanes, geometry
- Rick Hall

# Florida Greenbook Subcommittee Meeting

## Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways

	<ul style="list-style-type: none"> <li>○ There are important differences in why you would want to do traffic calming: <ul style="list-style-type: none"> <li>▪ Speed management and safety</li> <li>▪ Walkable community contexts should have traffic calming built into the street design to make pedestrians and cyclists feel safer and promote these modes</li> </ul> </li> <li>• Juvenal Santana Jr - Miami: <ul style="list-style-type: none"> <li>○ Interlocal agreement for speed management strategies</li> <li>○ Speed humps and tables, raised intersections – City of Miami has a lot of references we can include</li> </ul> </li> <li>• Miguel Soria, Miami Dade County <ul style="list-style-type: none"> <li>○ Consideration with the placement of each intervention</li> <li>○ Has to be an analysis as to where/how traffic calming should be implemented</li> <li>○ Should not be at the discretion of the local jurisdiction, there should be a thought process and technical analysis integrated within the chapter (when treatments are appropriate).</li> <li>○ There are certain streets/speed limits, analyze volume, what are the benefits, what are tradeoffs?</li> </ul> </li> </ul> <p><i>Subject matter experts that we can engage with?</i></p> <ul style="list-style-type: none"> <li>• Folks can email Jacqui after the meeting to loop into the subcommittees</li> </ul> <p><i>What manuals are well formatted/easy to use?</i></p> <ul style="list-style-type: none"> <li>• DOT has a manual on traffic calming</li> <li>• FDOT has a manual on lane repurposing that was recently released</li> </ul>	
5.	<b>Next Steps [Slide #31]</b>	Jacqui Morris
	<p>To ensure we maintain the integrity of our processes and the relevance of the guidelines, we are adopting a phased approach to update this document. Given the size of the Greenbook and the importance of the criteria it addresses, updating it all at once would be overwhelming. Therefore, we've chosen to implement these changes gradually.</p> <p>For phase 1 - We will begin by updating the overall document formatting and numbering system. This will enhance usability and ensure consistency throughout the document, making it easier for professionals to navigate.</p> <ul style="list-style-type: none"> <li>• The Manual on Uniform Traffic Control Devices, or MUTCD, has released its 11th Edition. These updates will be incorporated into the Greenbook, aligning Florida's guidelines with the latest federal standards. The 11th Edition of the MUTCD came into effect on January 18, 2024 and we have until January 2026 to fully adopt these standards.</li> <li>• In addition to the MUTCD update, we will also incorporate the 2018 edition of the AASHTO Green Book.</li> </ul>	



# Florida Greenbook Subcommittee Meeting

## Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways

- Given the breadth and depth of the Greenbook, it is crucial that we handle these updates in a strategic and manageable way. By phasing the changes, we can ensure a smooth transition, provide adequate time for review and feedback.
- While Phase 1 focuses on technical updates Phase 2 will introduce more comprehensive and strategic changes to our approach.

The updates in Phase 2 will focus on the following key areas:

- **Context-Based Design** is an approach that tailors transportation infrastructure to its surrounding environment. This means understanding the specific needs of different areas—whether urban, suburban, or rural—and designing accordingly.
- **Target Zero**, which is Florida’s vision to eliminate traffic fatalities and serious injuries. This initiative aligns with national goals for Vision Zero and will influence design decisions to prioritize safety.
- Another critical element of Phase 2 is the **streamlining of criteria**. This involves simplifying and modernizing our design guidelines to make them more efficient and easier to apply. By cutting out redundancies and unnecessary complexity, we can reduce the burden on engineers and planners, making it easier for them to implement the guidelines effectively without compromising on safety or quality.
- We will also consider the priorities outlined by various the subcommittees.
- The reason Phase 2 is targeted for review and adoption in **2026** is to allow for adequate time to thoroughly review these complex concepts and ensure that they are properly integrated.

### Minimum Criteria:

- Include guidance on sight and stopping distances, especially in cases with landscaping as traffic calming (Ramon Gaverrete).
- Reaffirm lane width minimums (Robert Behar).
- Consider urban design characteristics for walkable town centers in Chapter 3, especially for T5/urban densities (Rick Hall).
- Clarify superelevation transitions (Robert Behar).

### Missing Topics:

- Add guidance on evaluation measures and procedures for urban contexts, especially for T5/urban densities. Create a checklist for developers meeting T5 parameters, allowing them to bypass trip generation/forecast (Rick Hall).
- Review difference between AASHTO and FDM for border width (Robert Behar).

### Chapter Merging:

- Combine residential streets guidance with Chapter 3, integrating the context class approach (Andy Garganta).

### Traffic Calming:

- Include more traffic calming concepts like chicanes and geometry in the manual (Robert Behar).

# Florida Greenbook Subcommittee Meeting

## Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways

	<ul style="list-style-type: none"><li>• Define clear objectives for traffic calming: speed management, safety, and promoting walkability (Rick Hall).</li><li>• Add analysis requirements for traffic calming interventions, ensuring a thought process and technical analysis (Miguel Soria).</li><li>• Connect with Juvenal Santana, Miami, for speed management strategies to reference (previous work with interlocal agreement)</li></ul>	
6.	<b>Closing Remarks and Public Comments [Slide #32-33]</b>	Jacqui Morris
	<p>Jacqui asked the committee for any additional comments or feedback, but no one had further questions or remarks. She encouraged everyone to reach out with any questions and shared that the draft 2023 Florida Greenbook is currently in the rule adoption process.</p> <p>The committee will advertise for two new Florida Greenbook Advisory Committee members in Districts 4 and 7. Ramon G. requested a new calendar appointment, and Jacqui will resend the invitations for the meeting at Turkey Lake on April 23 and April 24.</p>	



## Sub-committee Meeting

- Chapter 1 - Planning and Land Development • Chapter 3 - Geometric Design  
• Chapter 14 - Design Exceptions and Variations • Chapter 15 - Traffic Calming  
• Chapter 16 - Residential Street Design • Chapter 19 - Traditional Neighborhood Development

## Agenda

**Monday, February 10, 2025**  
**3:00 PM – 4:00 PM**

**Virtual Meeting via Microsoft Teams**  
[Virtual Meeting Link](#)

1

### **Introductions**

Sub-Committee Members and FDOT Presenters

2

### **Florida Greenbook User Survey Overview**

Jennifer Musselman, P.E. (Kittelston)

3

### **Committee Discussion**

All

- How are these chapters currently being used?
- Who is the intended audience?
- What are the minimum criteria? What other guidance is needed?
- Are there topics missing from the chapter?
- Are there parts of the chapter that don't belong or are no longer relevant?
- How does context classification relate to these chapters?
- Who are the subject matter experts? Who should be engaged in chapter updates?
- What manuals are well formatted/easy to use?

4

### **Next Steps**

Jacqui Morris, CPM

Jennifer Musselman, P.E. (Kittelston)

5

### **Closing remarks**

Open for Public Comment

# Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways

Commonly known as the Florida Greenbook

## *Sub-committee Meeting*

- Chapter 1 - Planning and Land Development
- Chapter 3 - Geometric Design
- Chapter 14 - Design Exceptions and Variations
- Chapter 15 - Traffic Calming
- Chapter 16 - Residential Street Design
- Chapter 19 - Traditional Neighborhood Development

**February 10, 2025**

3:00 PM – 4:00 PM

Virtual – Microsoft Teams

**Public Meeting**



Florida Greenbook

# Welcome

**Derwood C. Sheppard, Jr., M.Eng., P.E.**

*Florida Greenbook Chair*

Florida Department of Transportation -  
State Roadway Design Engineer

# Agenda

February 10, 2025

3:00 PM	Welcome	Jacqui Morris
3:05 PM	Introductions	Sub-Committee Members and FDOT Presenters
3:10 PM	Florida Greenbook User Survey Overview	Jennifer Musselman (Kittelson)
3:25 PM	Committee Discussion	Sub-Committee Members
3:50 PM	Next Steps	Jacqui Morris Jennifer Musselman
3:55 PM	Closing remarks <ul style="list-style-type: none"><li>Public Comment</li></ul>	Jacqui Morris

## Online Attendees *Meeting Logistics*



The chat feature can be used to ask questions to the presenters or share resources.



Be sure to mute your microphone unless you are asking a question.



You may turn on or off your video camera accordingly.



Raise your virtual hand to ask a live question.

# Introductions

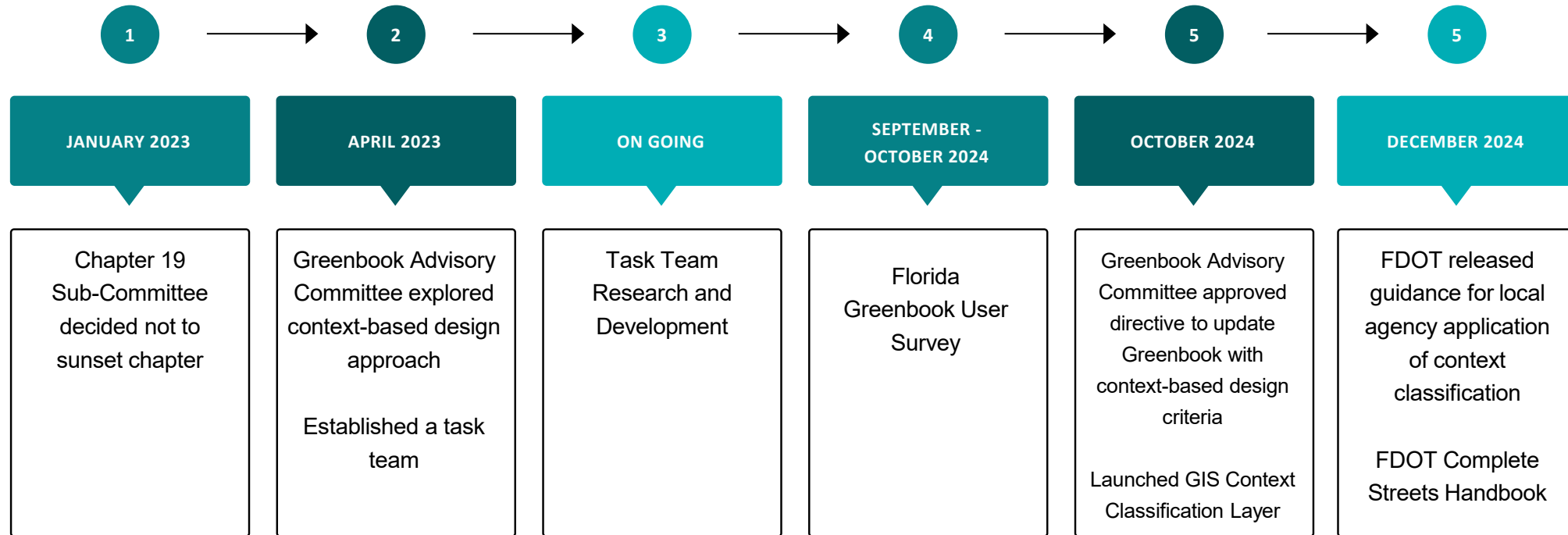
## Chapter Subcommittee Members & Technical Advisors

 Please turn on your camera and unmute your microphone to introduce yourself.

## Guests and Members of the Public

 Type your name and e-mail address in the chat.

# Recap



# *Visioning*

The Florida Department of Transportation (FDOT) is consistently at the forefront of transportation planning and infrastructure development in the state. The FDOT Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (the Florida Greenbook) serves as a vital resource for local governments, transportation engineers, and planners, providing guidelines and standards for roadway design and construction. With the evolving landscape of Florida's communities, it is becoming increasingly important to ensure that these guidelines are sensitive to the specific needs and characteristics of our urban, suburban, and rural areas.



# *Committee Direction*

To revise and restructure the Florida Greenbook to incorporate context-sensitive design criteria and classification divisions based on urban, suburban, and rural contexts.

## **Objectives**

- Ensure the Florida Greenbook addresses the unique needs and characteristics of Florida's urban, suburban, and rural areas through context-sensitive guidelines.
- Develop clear and actionable criteria for classifying areas based on context to inform design standards.
- Improve the usability of the Florida Greenbook by providing more specific guidance tailored to the context of the area being developed.

**FDOT**  
**FLORIDA**  
**GREENBOOK**

*Usage  
Survey*



*Overview*

# Survey Background

The **Florida Greenbook** sets essential guidelines and standards for transportation planning, design, and operations across the state.

A survey was conducted to gather feedback on the use of **each chapter** and desired additions, improvements, & design guidance updates.



**155**  
Survey  
Respondents

**Organizations**  
City  
County  
Consultant  
FDOT  
TPO/MPO  
RPC

# What We Heard

## Areas of Interest

- Minimize conflicts and redundancies with FDOT Design Manual (FDM)
- Incorporate updates from AASHTO Green Book and MUTCD 11<sup>th</sup> edition
- Update with more plain language and simple format
- Update guidance related to bicycle and pedestrian facilities and traffic calming
- Increase guidance for low speed, low volume streets
- Integrate Target Zero

# What We Heard

## **Strengths**

- Detail of design standards
- Ease of use (access of tables and references)

## **New topics to consider**

- EV/AV guidance
- Target Zero
- Golf Cart Safety

## **Suggestions for Improvement**

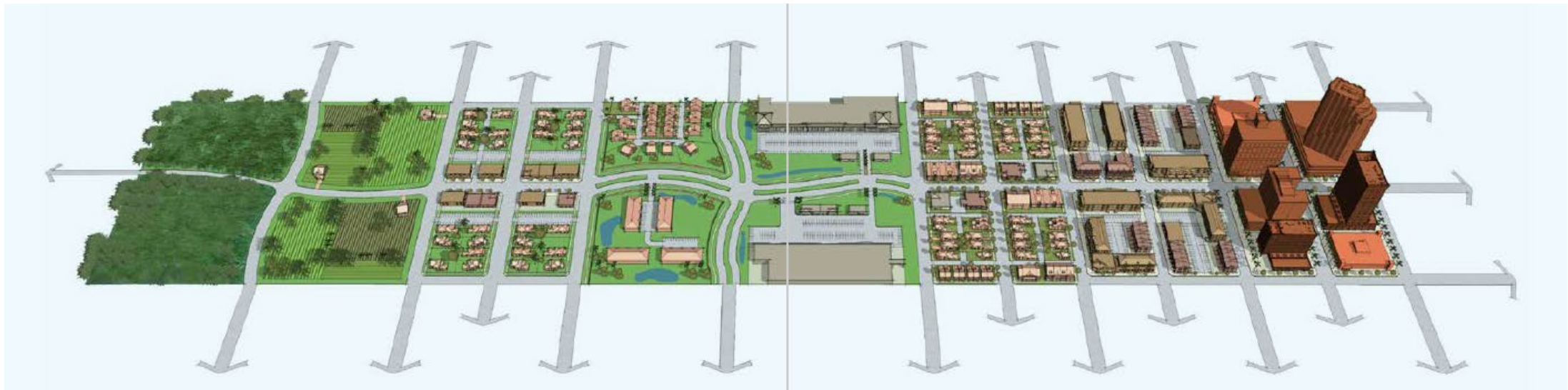
- Provide maximum values where applicable (i.e., lane widths)
- Provide plan preparation exhibits/typical section examples
- Consider online format in addition to PDF
- Increase visibility/awareness by presenting at APWA, ITE, SAME, etc.
- Consider context classification



# What We Heard

## Design the right street in the right place

- Respondents recommended “**more emphasis on roadway context design**” and guidance for design standards, especially “**applications specific to rural situations**”
- Prioritize safety and tailor design to the unique areas of Florida.
- More options with fewer restrictions



C1 – Natural

C2 – Rural

C2T –  
Rural  
Town

C3R – Suburban  
Residential

C3C – Suburban  
Commercial

C4 – Urban  
General

C5 – Urban  
Center

C6 – Urban  
Core

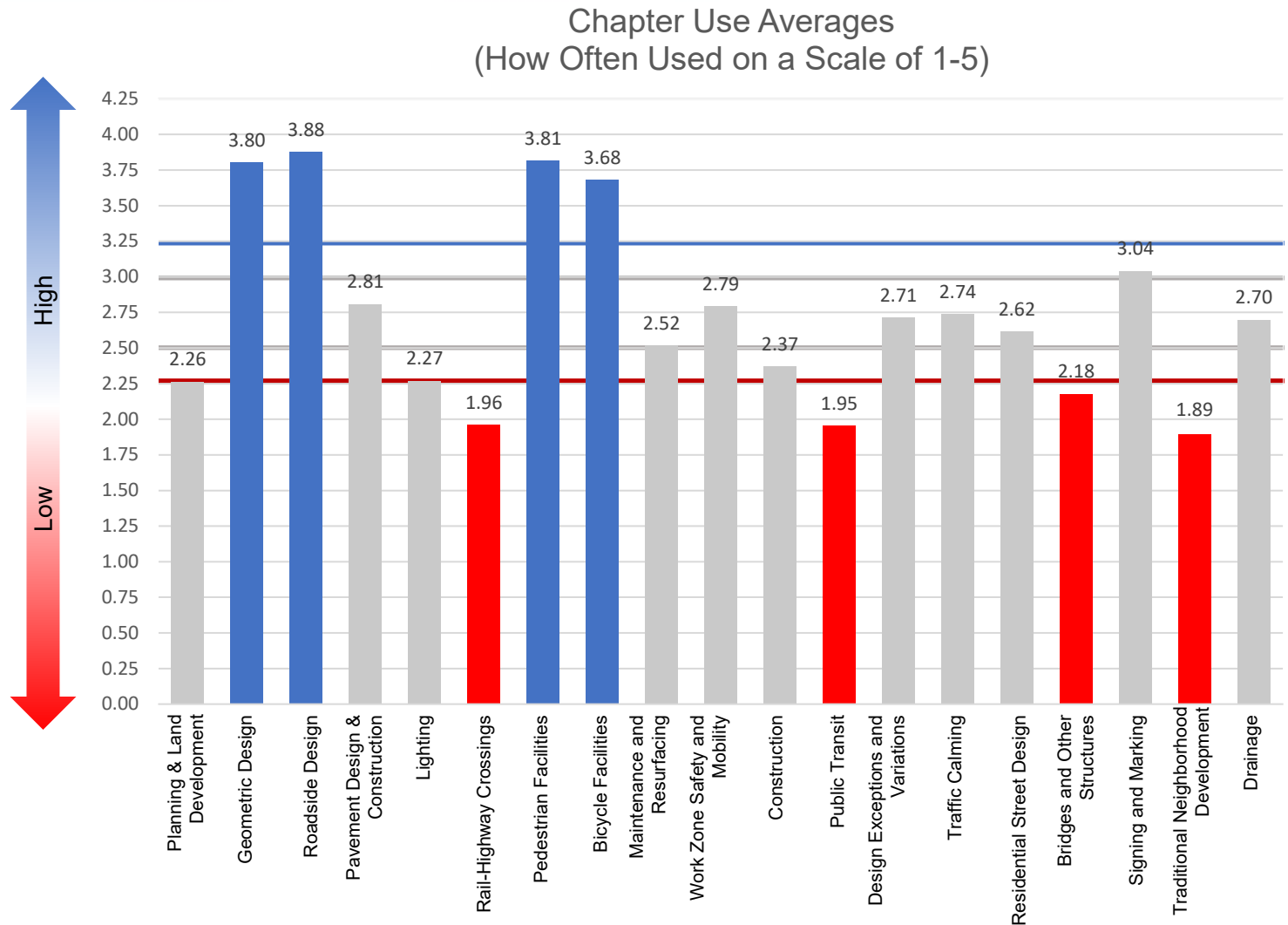




## Chapter Specific **FEEDBACK**

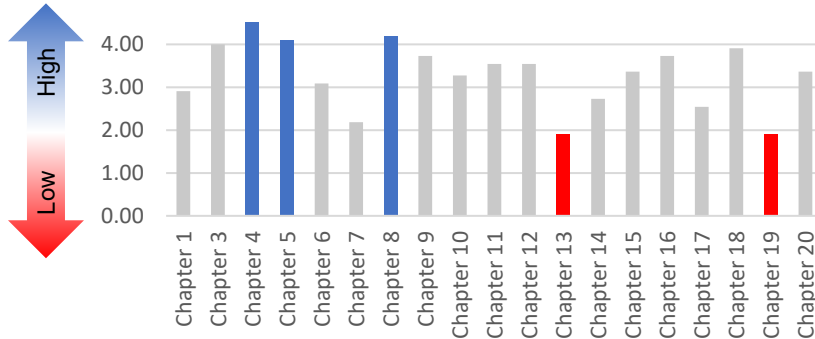
# Average Chapter Use

Chapter 1 Planning and Land Development  
Chapter 3 Geometric Design  
Chapter 4 Roadside Design  
Chapter 5 Pavement Design and Construction  
Chapter 6 Lighting  
Chapter 7 Rail-Highway Crossings  
Chapter 8 Pedestrian Facilities  
Chapter 9 Bicycle Facilities  
Chapter 10 Maintenance and Resurfacing  
Chapter 11 Work Zone Safety and Mobility  
Chapter 12 Construction  
Chapter 13 Public Transit  
Chapter 14 Design Exceptions and Variations  
Chapter 15 Traffic Calming  
Chapter 16 Residential Street Design  
Chapter 17 Bridges and Other Structures  
Chapter 18 Signing and Marking  
Chapter 19 Traditional Neighborhood Development  
Chapter 20 Drainage



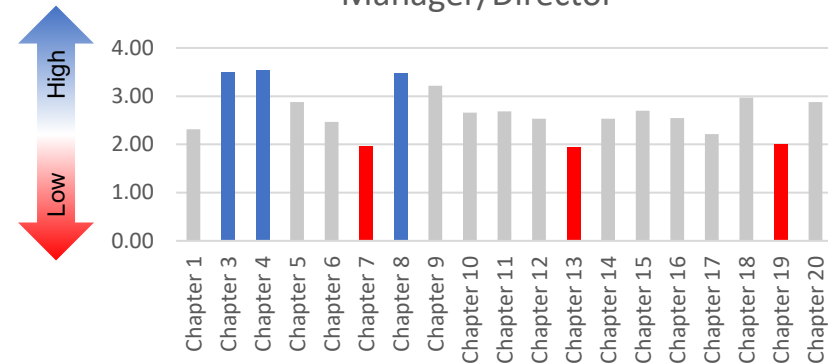
# Averages by Title

City/County Engineer



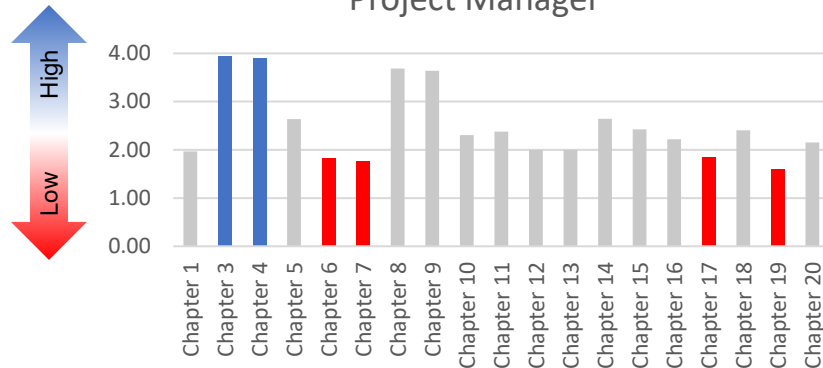
- Chapter 4 Roadside Design
- Chapter 5 Pavement Design & Construction
- Chapter 8 Pedestrian Facilities
- Chapter 13 Public Transit
- Chapter 19 Traditional Neighborhood Development

Manager/Director



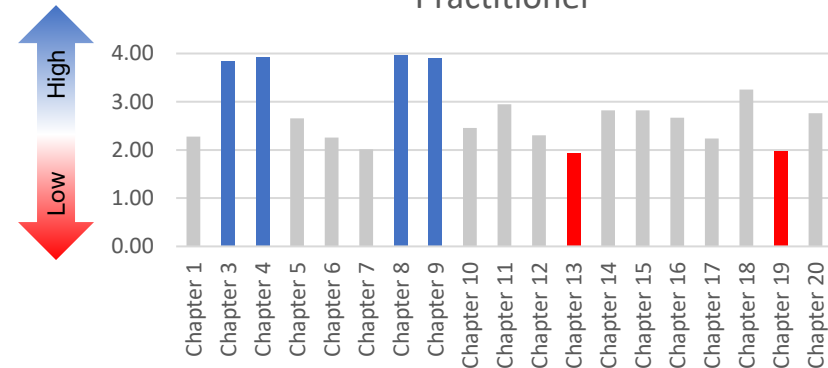
- Chapter 3 Geometric Design
- Chapter 4 Roadside Design
- Chapter 8 Pedestrian Facilities
- Chapter 7 Rail-Highway Crossings
- Chapter 13 Public Transit
- Chapter 19 Traditional Neighborhood Development

Project Manager



- Chapter 3 Geometric Design
- Chapter 4 Roadside Design
- Chapter 6 Lighting
- Chapter 7 Rail-Highway Crossings
- Chapter 17 Bridges and Other Structures
- Chapter 19 Traditional Neighborhood Development

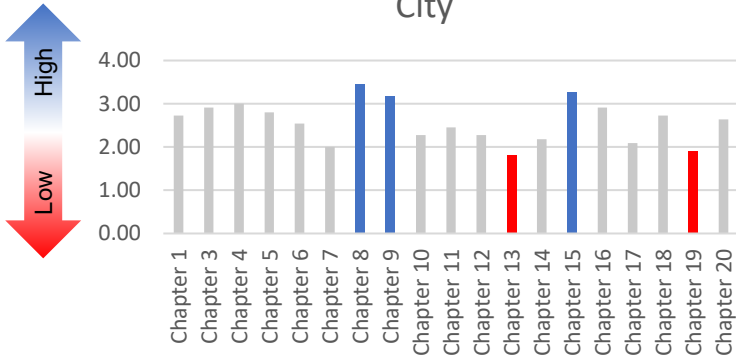
Practitioner



- Chapter 3 Geometric Design
- Chapter 4 Roadside Design
- Chapter 8 Pedestrian Facilities
- Chapter 9 Bicycle Facilities
- Chapter 13 Public Transit
- Chapter 19 Traditional Neighborhood Development

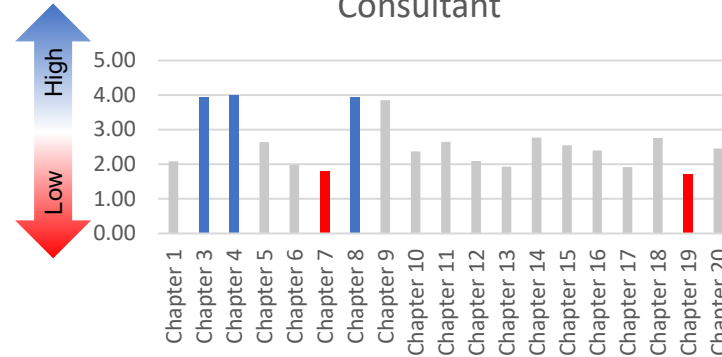
# Averages By Organization

City



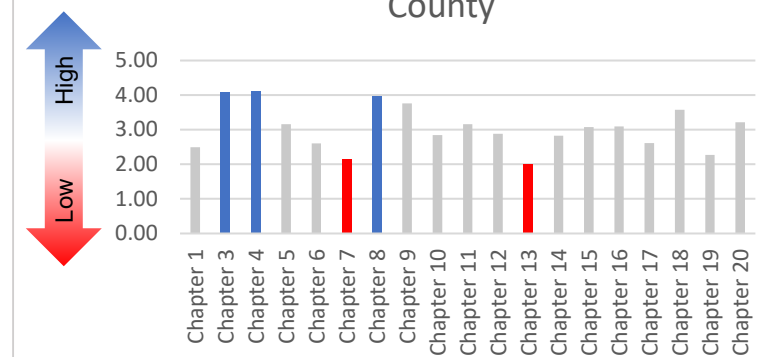
- Chapter 8 Pedestrian Facilities
- Chapter 9 Bicycle Facilities
- Chapter 15 Traffic Calming
- Chapter 13 Public Transit
- Chapter 19 Traditional Neighborhood Development

Consultant



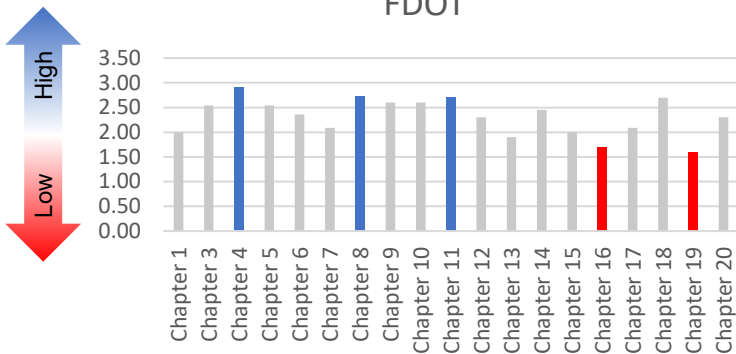
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County



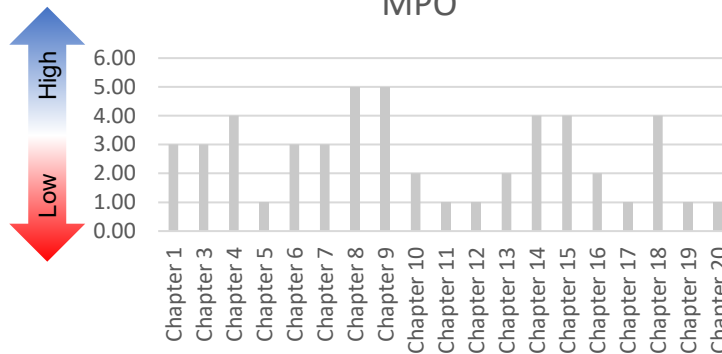
- Chapter 3 Geometric Design
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- Chapter 8 Pedestrian Facilities
- Chapter 7 Rail-Highway Crossings
- Chapter 13 Public Transit

FDOT



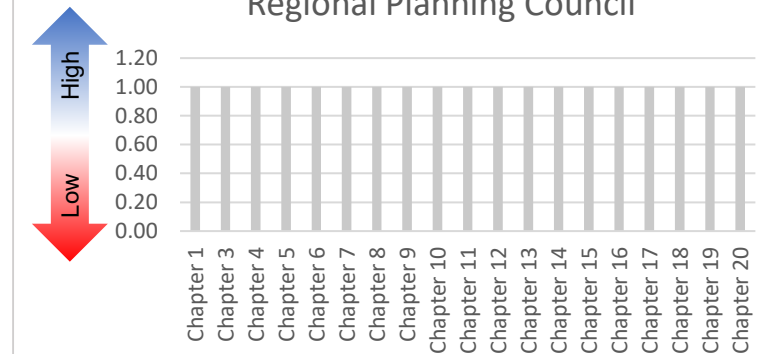
- Chapter 4 Roadside Design
- Chapter 8 Pedestrian Facilities
- Chapter 11 Work Zone Safety & Mobility
- Chapter 16 Residential Street Design
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MPO



\*Only 1 respondent self-reported as working for an MPO

Regional Planning Council



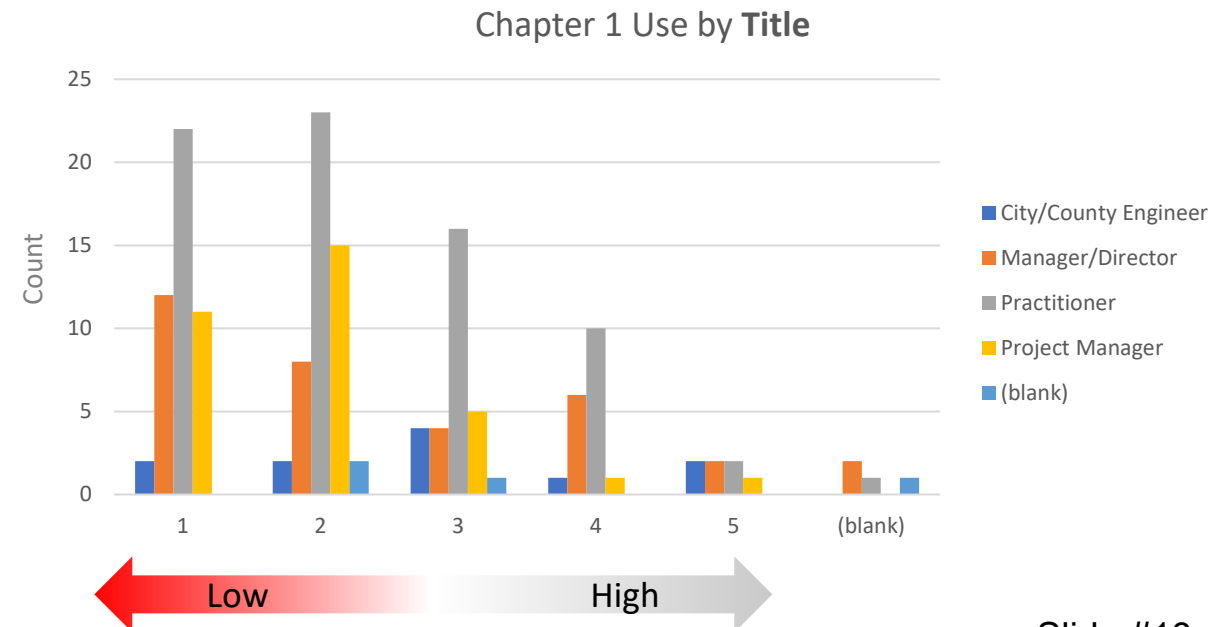
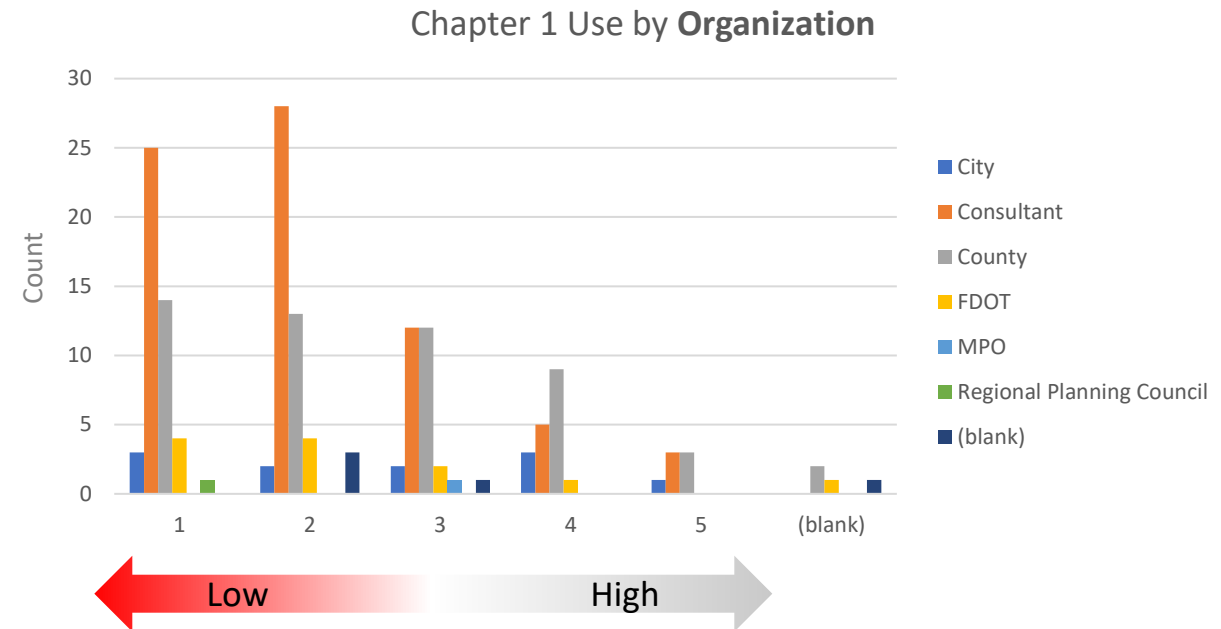
\*Only 1 respondent self-reported as working for an RPC

# Chapter 1 Usage

## *Planning & Land Development*

- Most respondents listed Chapter 1 as a **moderately low** use chapter

Average Use = 2.26



# Chapter 1 Recommendations

## *Planning & Land Development*

- Respondents requested that ***information on developing a plans set be added*** to this chapter, such as including the minimum components required for a contract plans set
  - ***Cautioned against*** providing as much detail as the FDOT Design Manual.
- ***Additional exhibits related to plans preparation*** were also requested.

*\*Chapters One and Two were combined in the 2023 draft of the Florida Greenbook, combining both Planning and Land Development.*

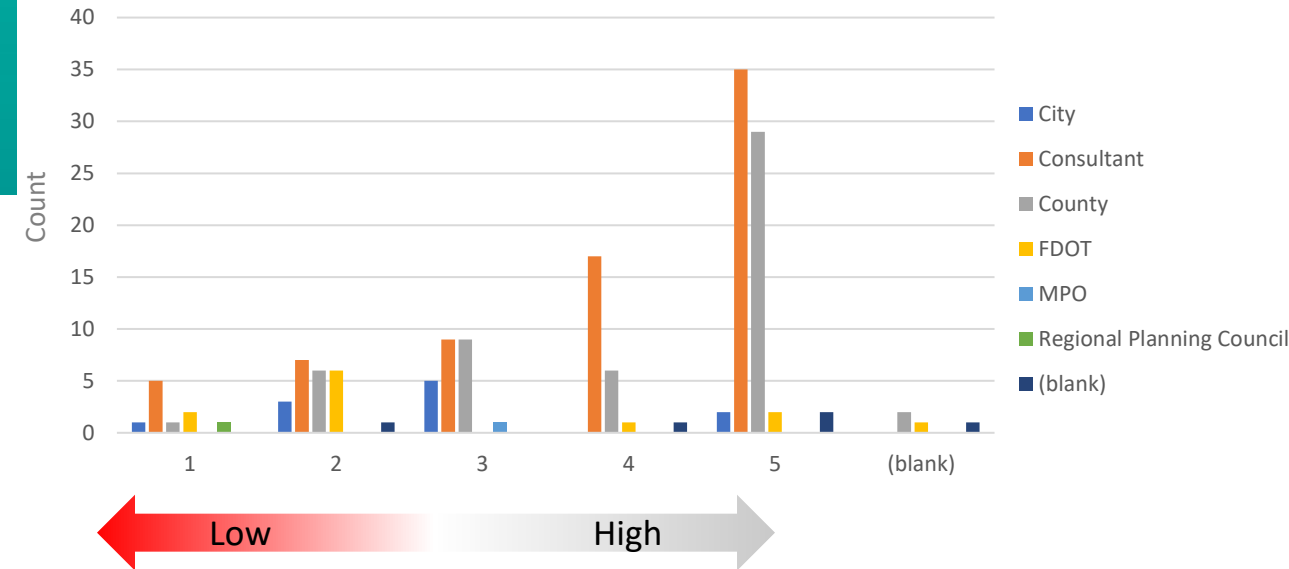
# Chapter 3 Usage

## *Geometric Design*

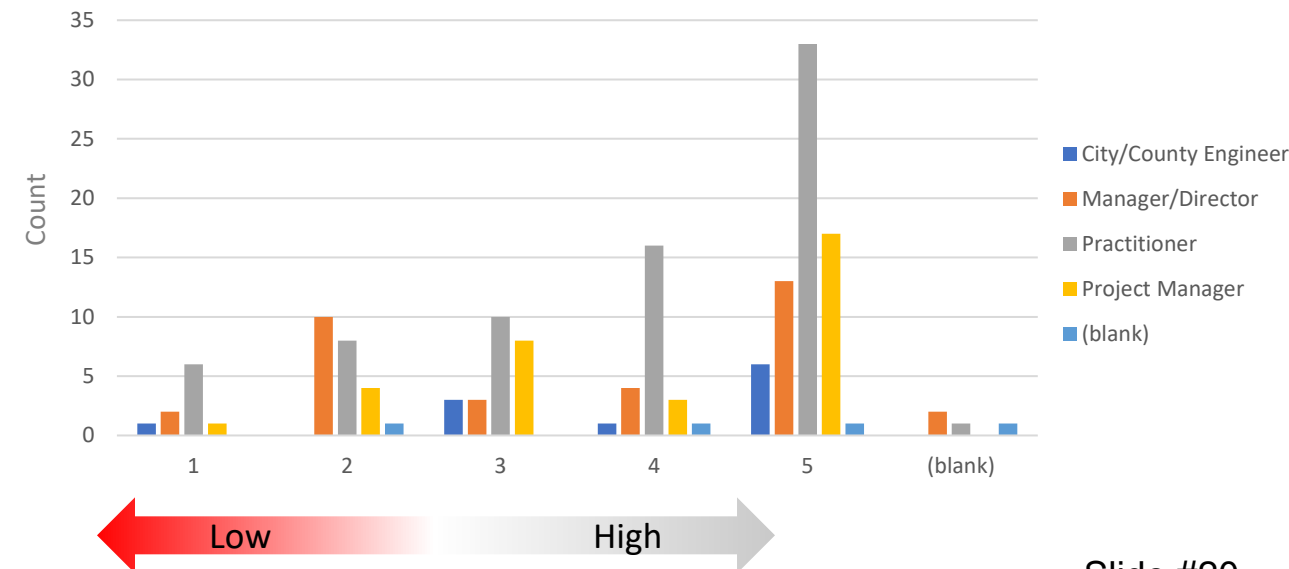
- Most respondents listed Chapter 3 as a **high** use chapter

Average Use = 3.80

Chapter 3 Use by **Organization**



Chapter 3 Use by **Title**





# Chapter 3 Recommendations

## *Geometric Design*

Survey respondents requested that the following topics be introduced, updated to match current trends, or clarified to provide greater guidance in Chapter 3:

- Include language in the design criteria that ***designs should prevent fatalities and serious injuries.***
- Update the information provided on ***Urban Boundaries.***
- Incorporate more ***AASHTO Greenbook design criteria guidance*** in addition to the provided criteria from the FDOT Design Manual.
- Incorporate ***sight distance criteria*** for tree planting.
- Incorporate guidance detailing the ***impact of vertical and horizontal curves*** on sight distance, especially relating to ***driveway placement and access management.***
- Incorporate ***lane width maximums*** according to ***roadway context.***

# Chapter 3 Recommendations

## *Geometric Design*

- Prioritizing ***narrow street widths in urban contexts*** by updating signal timing to accommodate turning vehicles and maintain level of service, rather than adding a full turning lane.
- Expand guidance for access management to include specifications for ***driveway spacing and median openings***.
- Add design guidance for ***low volume roads***.
- ***Median width*** design guidance:
  - Add use of a 10-ft striped median as a minimum for Design Speed  $\geq 35$ mph roads.
  - Provide median minimum widths for local streets.
- Update references for the following ***Tables and Figures***:
  - Table 3-23 Minimum Median Width Incorrectly references 3-17 instead of Table 3-20.
  - Figures 3-19 Termination of Merging Lanes and 3-20 Entrance for Deceleration Lanes incorrectly reference Tables 3-15 and Tables 3-16.

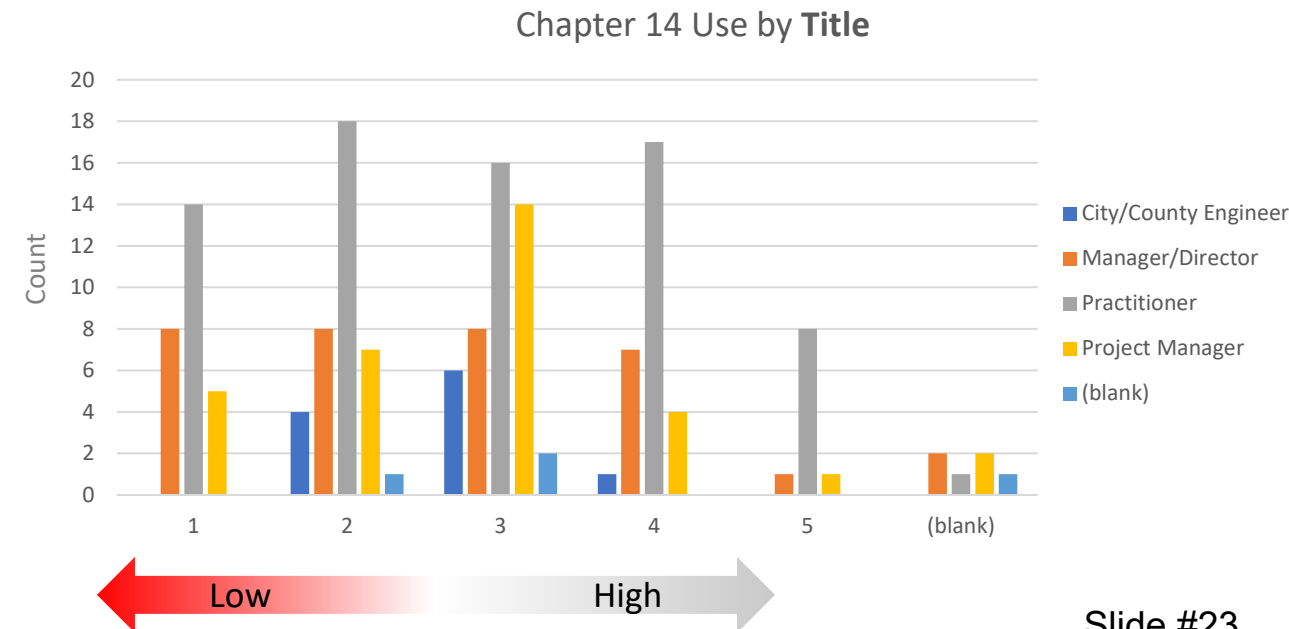
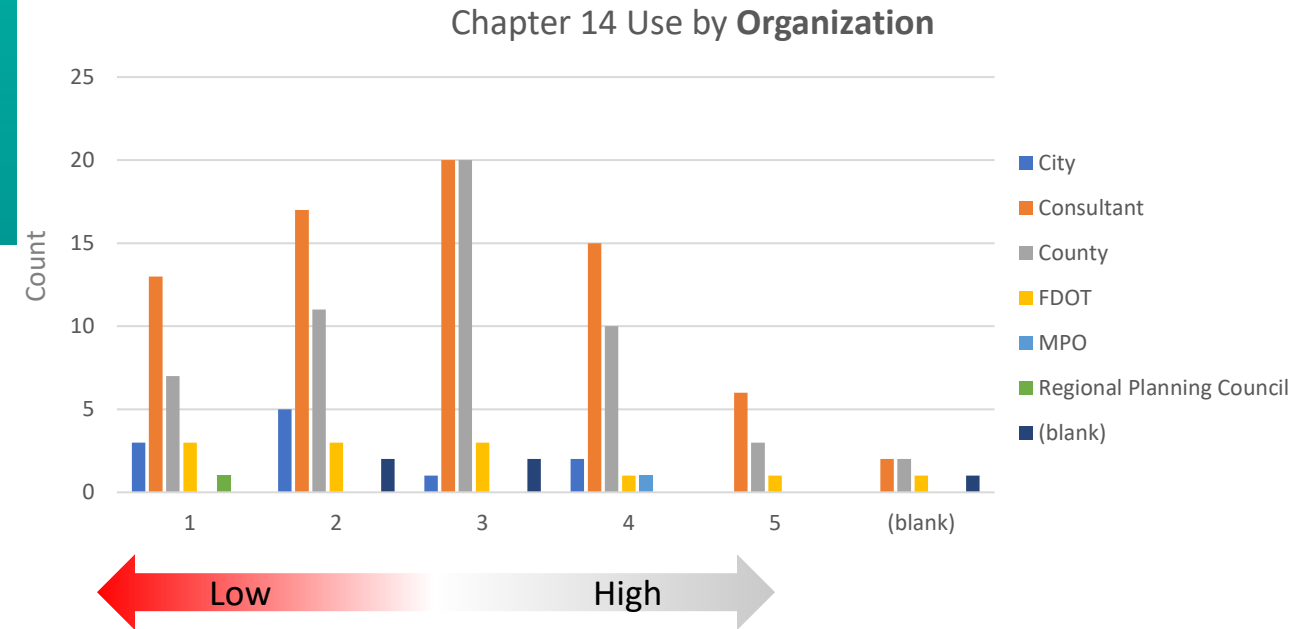
# Chapter 14

## *Design Exceptions & Variations*

- Most respondents listed Chapter 14 as a **moderate** use chapter

Average Use = 2.71

*\*No specific recommendations were offered for Chapter 14*



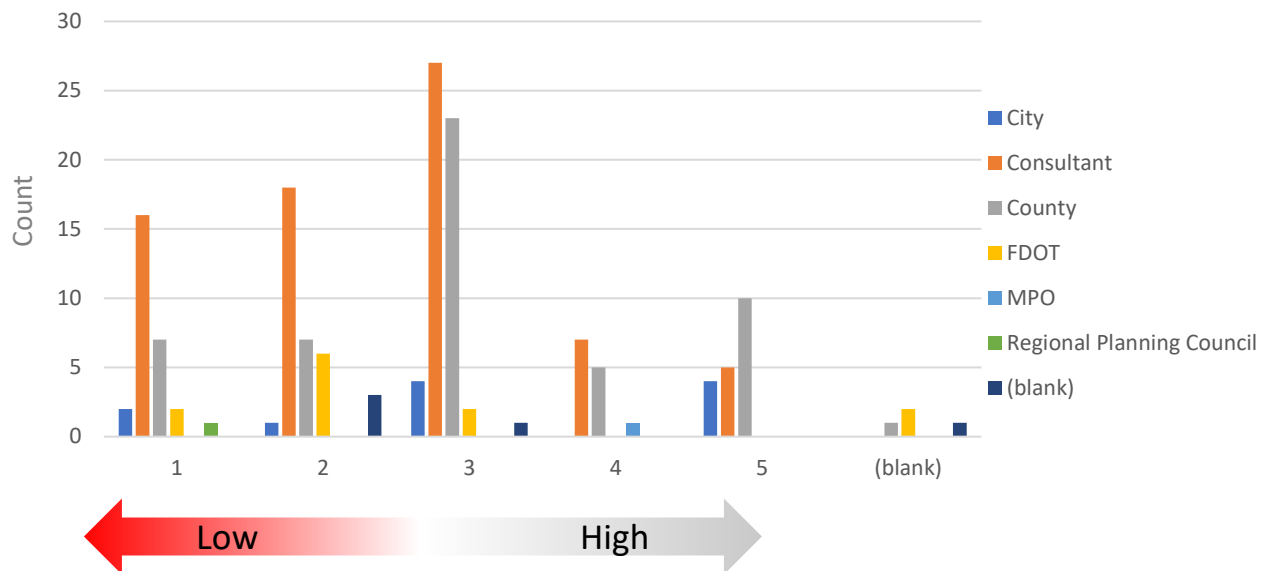
# Chapter 15

## *Traffic Calming*

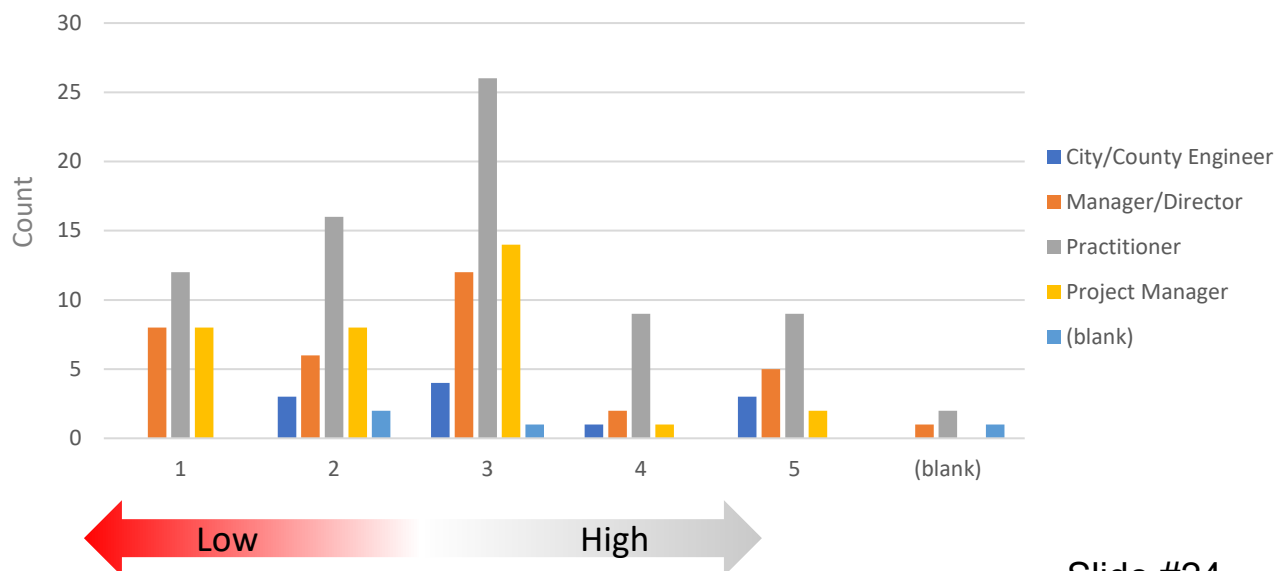
- Most respondents listed Chapter 15 as a **moderate** use chapter

Average Use = 2.74

Chapter 15 Use by Organization



Chapter 15 Use by Title



# Chapter 15 Recommendations

## *Traffic Calming*

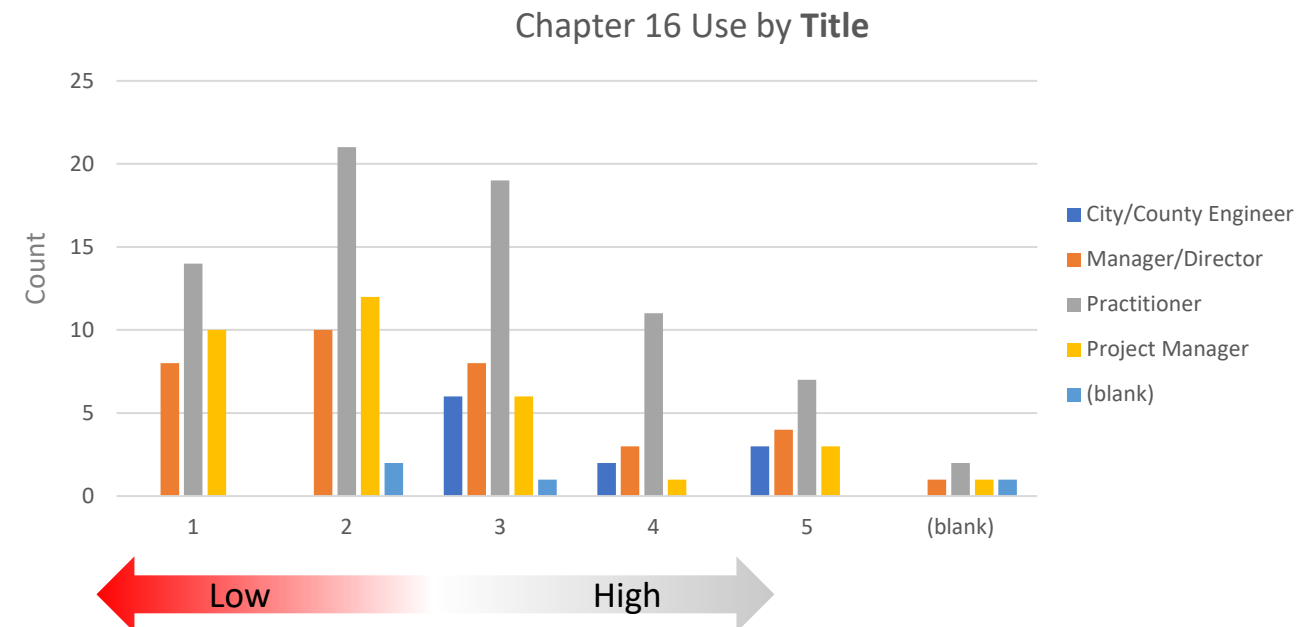
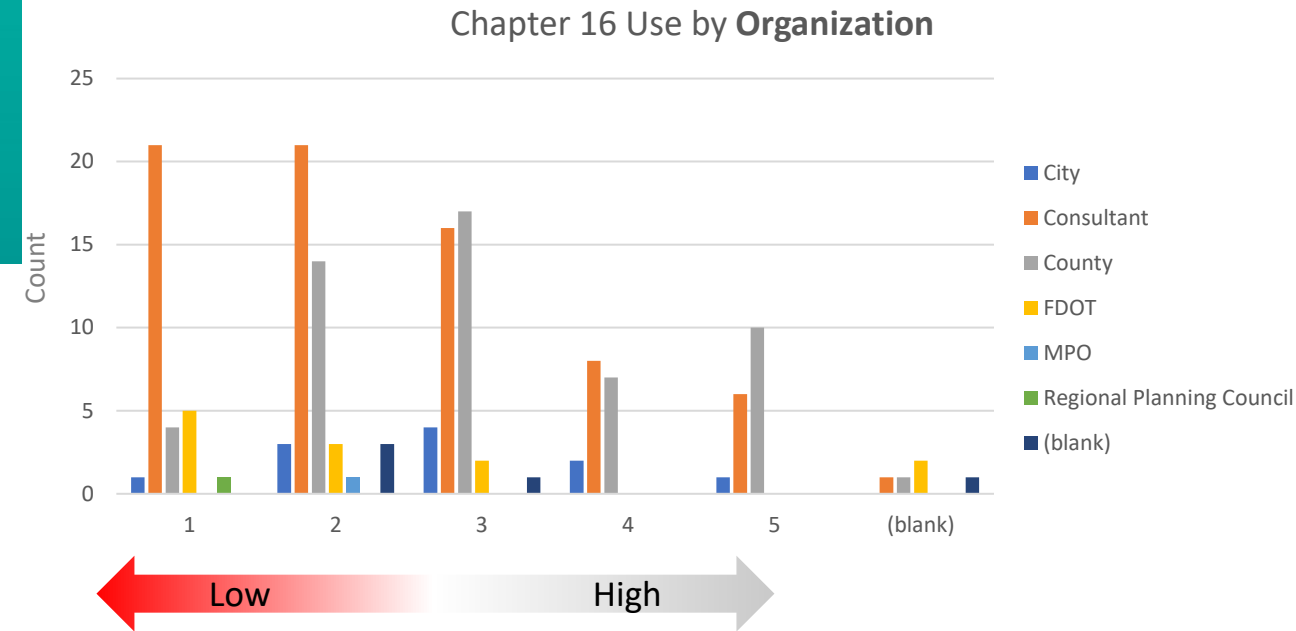
- Survey respondents requested updates to context-based guidance on ***speed limit setting, traffic calming interventions, and lane repurposing*** for multimodal facilities implementation.

# Chapter 16

## *Residential Street Design*

- Most respondents listed Chapter 16 as a **moderate** use chapter

Average Use = 2.62



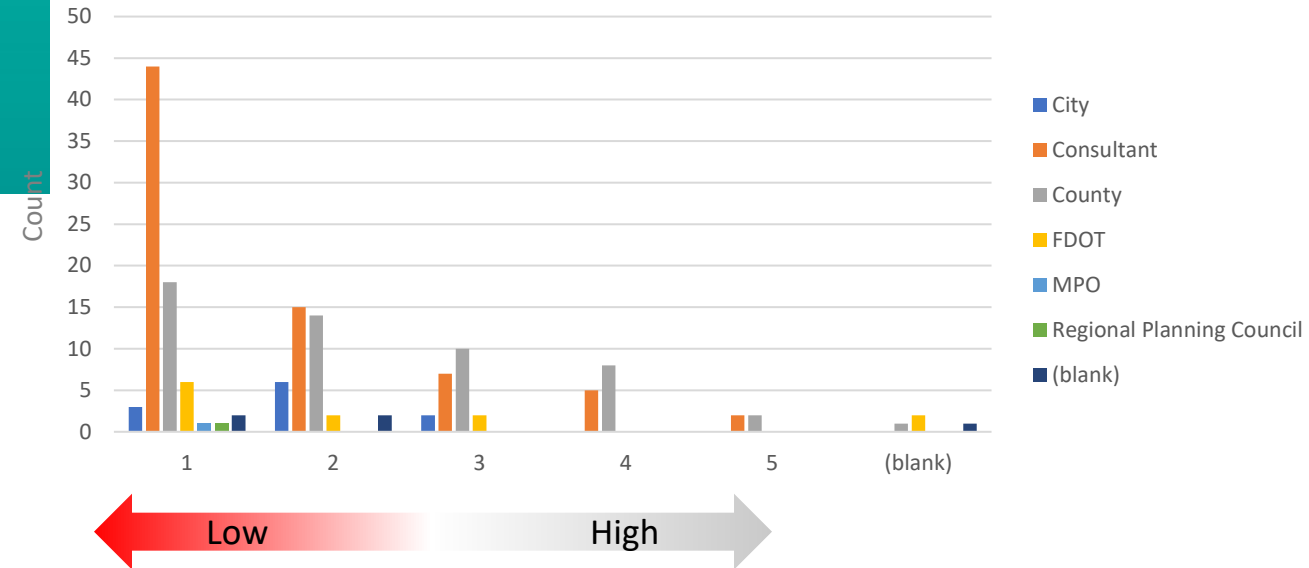
# Chapter 19

## *Traditional Neighborhood Development*

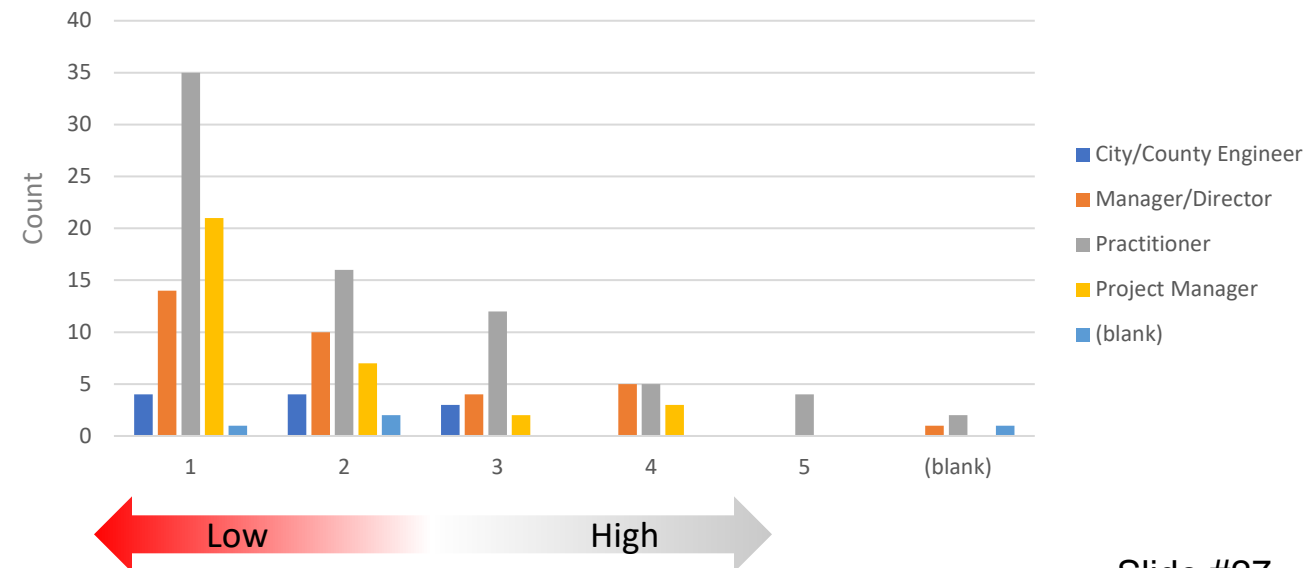
- Most respondents listed Chapter 19 as a **low** use chapter

Average Use = 1.89

Chapter 19 Use by **Organization**



Chapter 19 Use by **Title**





# Chapter 16 and 19 Recommendations

- Survey respondents requested updates to better define where ***neighborhood street design is and is not applicable***.
- Survey Respondents requested better ***data-driven approaches*** to identifying appropriate ***non-collector roadway design***.

# *Sub-Committee Discussion*

# Sub-Committee Discussion



- How are these chapters currently being used?
- Who is the intended audience?
- What are the minimum criteria? What other guidance is needed beyond the minimum criteria?
- Are there topics missing?
- Are there parts of the chapter that don't belong or are no longer relevant?
- How does context classification relate to these chapters?
- Who are the subject matter experts? Who else should be engaged in chapter updates?
- What manuals are well formatted/easy to use?

## Sub-Committee Members:

Robert Behar	John Olson
Keith Bryant	Shane Parker
Richard Diaz	Nikesh Patel
Ken Dudley	Ghulam Qadir
Karina Fuentes	Juvenal Santana
Andres Garganta	Allen Schrupf
Ramon Gavarrete	Deborah Snyder
Billy Hattaway	Miguel Soria
Rick Hall	Travis Terpstra
Kevin Ingle	Richard Tornese
Kenneth Leeming	Gail Woods

# PHASED APPROACH

## Target Goals



**2025**

### Phase 1

- | Document Formatting & Numbering
- | MUTCD 11th Edition
- | AASHTO 2018



**Advisory Committee Meeting**  
April 22, 2025 – Orlando, Florida  
*Document Review and Adoption*

**2026**

### Phase 2

- | Context Based Design
- | Target Zero
- | Streamlined Criteria
- | Subcommittee Priorities



**Advisory Committee Meeting**  
April 23, 2025 – Orlando, Florida  
*Planning and Workshop*

*Open for public comment*



## Online Attendees

*Microsoft Teams Meeting Logistics*



The chat feature can be used to ask questions to the presenters or share resources.



You may turn on or off your video camera accordingly.



Be sure to mute your microphone unless you are asking a question.



Raise your virtual hand to ask a live question.

# Thank you for attending!

## **START 2025 STRONG:** MAKE SAFE DRIVING YOUR RESOLUTION.

- ✓ Leave a little early or be a little late.  
Just get there safely.
- ✓ Embrace the space. Keep the distance  
from the driver in front of you.
- ✓ Drive time is you time. Ride with  
Do Not Disturb.
- ✓ Buckle Up Every Trip, Every Time.

**LET'S GET EVERYONE  
HOME SAFELY IN 2025!**



## Contact

If you have any questions, comments or suggestions regarding the **Florida Greenbook**, please contact:

### **Derwood Sheppard, P.E.**

State Roadway Design Engineer

Email: [Derwood.Sheppard@dot.state.fl.us](mailto:Derwood.Sheppard@dot.state.fl.us)

Phone: (850) 414-4334

### **Jacqui Morris, CPM, CNUa**

Criteria Publications Coordinator

Email: [jacqueline.Morris@dot.state.fl.us](mailto:jacqueline.Morris@dot.state.fl.us)

Phone: (850) 414-4352

