

Florida Greenbook Update

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FACERS Conference

06/30/2022



FDOT Greenbook Criteria Staff

- Michael Shepard – State Roadway Design Engineer, Florida Greenbook Chairperson
- Gevin McDaniel – Roadway Design Criteria Administrator, Oversight of FDOT Design Manual and Florida Greenbook
- Points of Contact for the Greenbook:
 - DeWayne Carver – Criteria Publications Manager
 - Jacqueline Morris – Criteria Publications Coordinator



Greenbook Committee Vacancies

- Current vacancies
 - District 2 (Urban Local Government)
 - District 3 (Rural Local Government)
 - District 7 (Urban Local Government)
- Changing approach to filling vacancies
- Partner with FACERS and give notice of the opportunity to submit resumes (NEW)
- The Florida Greenbook Chairperson and the applicable District Design Engineer will select the new member (NEW)
- Recommendation will be submitted to the FDOT Secretary for appointment to the Greenbook Committee

Draft 2022 Florida Greenbook Status

- Ready to send to Joint Administrative Procedures Committee (JAPC) for Rulemaking (Pending further discussions on two major proposed changes)
- Summary of Major Changes Available:
 - Roadway Design, Florida Greenbook webpage
 - Training provided in [Transportation Symposium](#)

Draft 2022 Florida Greenbook Status

[Home](#) / [Roadway](#) / [FloridaGreenbook](#)

Roadway Design

Florida Greenbook

Current Florida Greenbook

[2018 Florida Greenbook](#)

Effective July 20, 2021

[Summary of Major Changes](#)

[Design Exception and Variation Sample Letter](#)

DRAFT Florida Greenbook

[2022 Florida Greenbook DRAFT NEW](#)

[Summary of Major Changes NEW](#)



PLEASE NOTE:

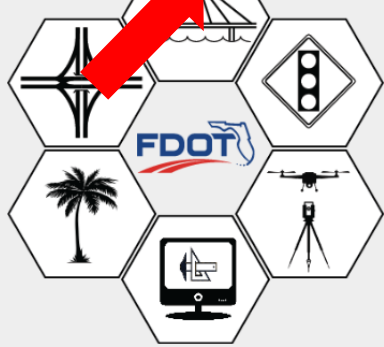
The *Manual of Uniform Minimum Standards for Design, Construction and Maintenance (Florida Greenbook)* provides criteria for public streets, roads, highways, bridges, sidewalks, curbs and curb ramps, crosswalks, bicycle facilities, underpasses, and overpasses used by the public for vehicular and pedestrian travel.

Authority for the *Florida Greenbook* is established by [Chapters 20.23\(3\)\(a\), 334.044\(10\)\(a\), and 336.045, Florida Statutes](#), and [Rule 14-15.002, Florida Administrative Code](#). This manual is intended for all projects not on the state and national highway systems.

This site contains the current and past editions, meeting information, and committee membership for the *Florida Greenbook* in *.PDF format.

To receive notices of updates to the *Florida Greenbook*, users should register their preferences and e-mail addresses in the Department's Contact Management database. Users can register at the following link:

Draft 2022 Florida Greenbook Status



TRANSPORTATION
SYMPOSIUM

Transportation Symposium 2022

Past Webinars

Date	Time	Presentation (Hover for details)	Instructor(s)	Link
5/3/2022	9:00 AM	Strategic Highway Safety Plan	Brenda Young and Mark Doctor (FHWA)	Presentation
5/10/2022	9:00 AM	Speed Management Part 1	DeWayne Carver and Lori Trebitz	Presentation
5/17/2022	9:00 AM	Speed Management Part 2	DeWayne Carver and Lori Trebitz	Presentation
5/31/2022	9:00 AM	ADA for Design, Construction, and Maintenance	Brad Bradley	Presentation
6/2/2022	9:00 AM	2022 Florida Greenbook - What's New!	Mary Anne Koos	Presentation
6/9/2022	9:00 AM	Expanding Education Efforts	Brenda Young	Presentation

Draft 2022 Florida Greenbook Status

- Criteria for the following to be further discussed:
 - Permanent Pavement Markings per the FDM on high-speed flush shoulder roadways
 - AVTs (Ground-in Sinusoidal Rumble Strips, or Profiled Thermoplastic) on high-speed flush shoulder roadways

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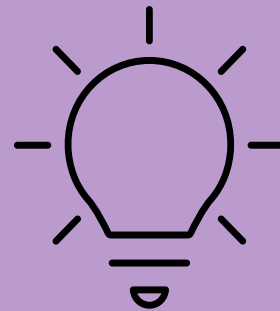
- Pavement Markings
 - When the installation of pavement markings are included on a roadway project with flush shoulders and posted speeds of 50 mph or greater, use Standard Thermoplastic, Profiled Thermoplastic, Preformed Thermoplastic, Permanent Tape, or a Two Reactive Component material for the final pavement markings.

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- Longitudinal Audible Vibratory Treatments (AVTs)
 - AVTs are a countermeasure to reduce the severity and frequency of lane departure crashes. Longitudinal AVTs shall be used on high speed roadways (posted speed 50 mph or greater) with flush shoulders. Longitudinal AVTs must not be placed within the limits of intersections or crosswalks.
 - AVT options include cylindrical ground-in rumble strips, sinusoidal ground-in rumble strips, and profiled thermoplastic. The sinusoidal ground-in rumble strip option provides the most durable solution with less noise pollution.

Statewide Rumble Strip Initiative

- Ongoing FDOT Central Office discussions for potential funding of off-system roadways
- State Safety Office is currently performing an analysis to identify corridors
- Internal discussions are ongoing regarding these opportunities
- Benefit/Cost Ratio = 31.6



Significant
value in lives
saved

Sinusoidal Ground-in Rumble Strips



Grinding in the
shoulder

Grinding on the
edge line



Sinusoidal Ground-in Rumble Strips

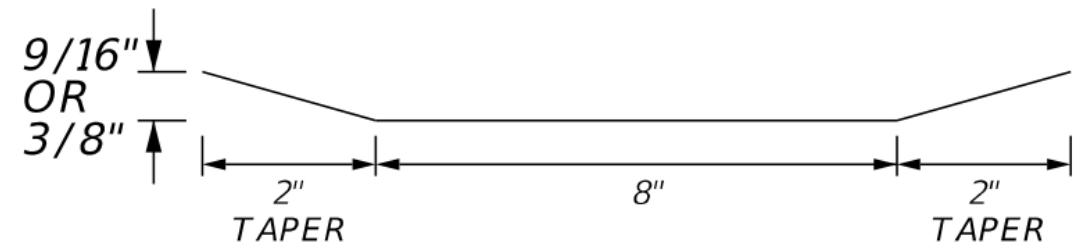
PROFILE VIEW



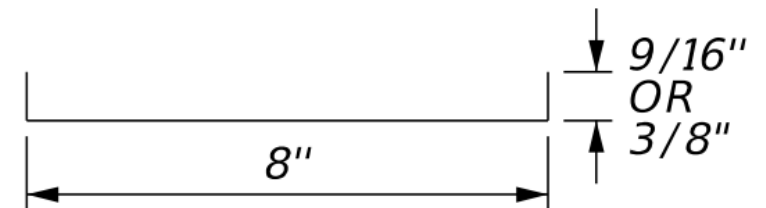
RUMBLE STRIPING DETAILS

LOCATION IN PROFILE VIEW	Detail 1	Detail 2	Detail 3
	PATTERN A&B	PATTERN A&B	PATTERN A&B
	DEPTH FROM SURFACE (IN.)		
A	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$
B	$\frac{3}{32}$	$\frac{1}{8}$	$\frac{1}{8}$
C	$\frac{7}{32}$	$\frac{5}{16}$	$\frac{5}{16}$
D	$\frac{11}{32}$	$\frac{1}{2}$	$\frac{1}{2}$
E	$\frac{3}{8}$	$\frac{9}{16}$	$\frac{9}{16}$

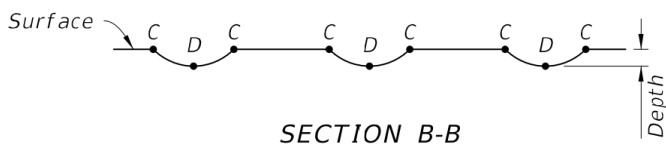
EASTBOUND RUMBLE STRIP CROSS SECTION



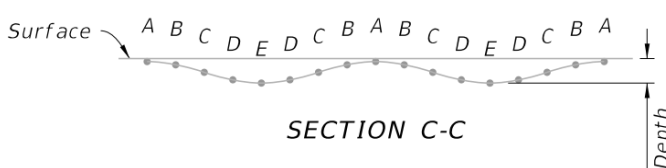
WESTBOUND RUMBLE STRIP CROSS SECTION



Parabolic (Cylindrical)



Sinusoidal



Control = Tire on Smooth Pavement

Audible = Profiled Thermoplastic

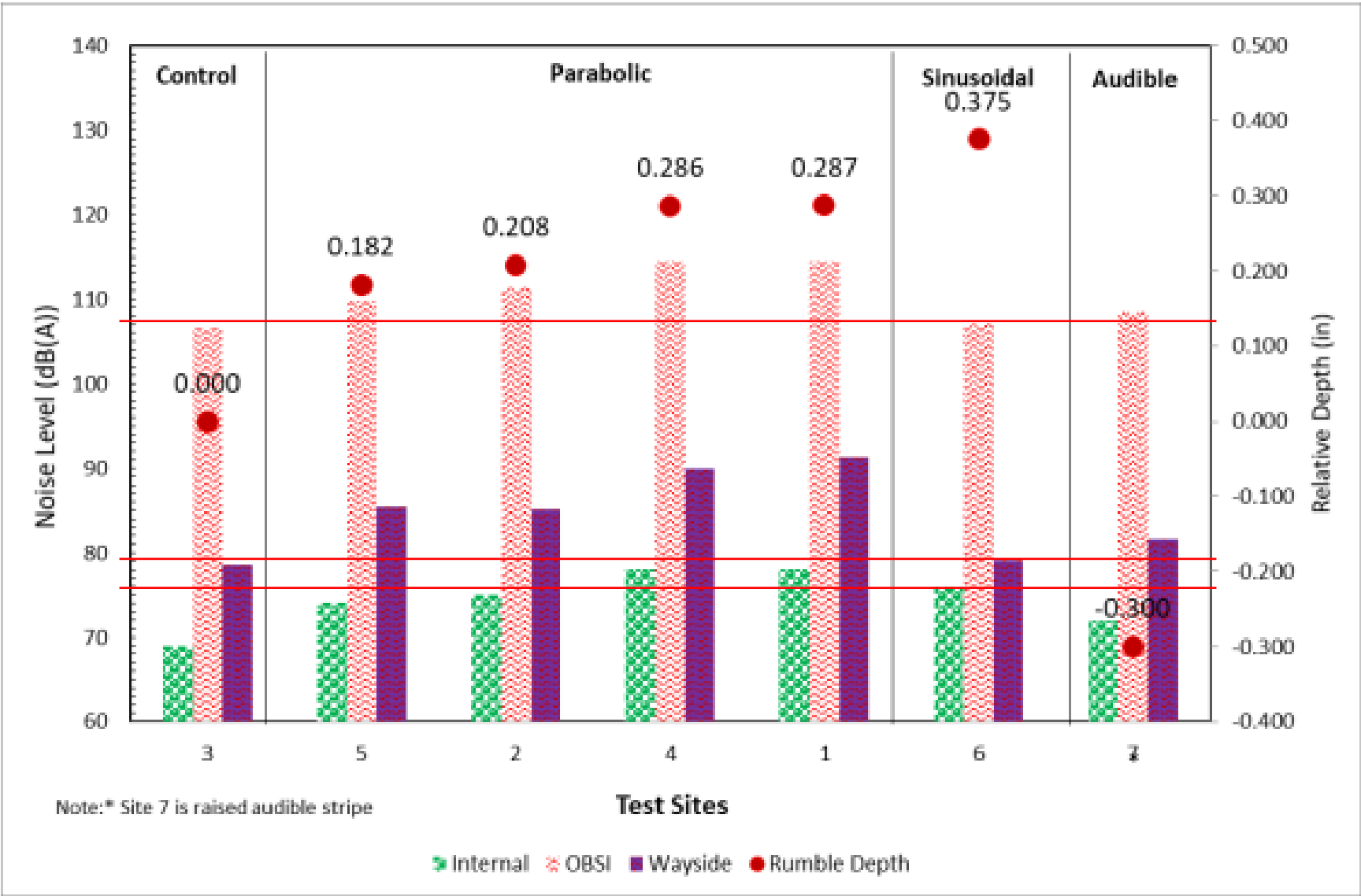
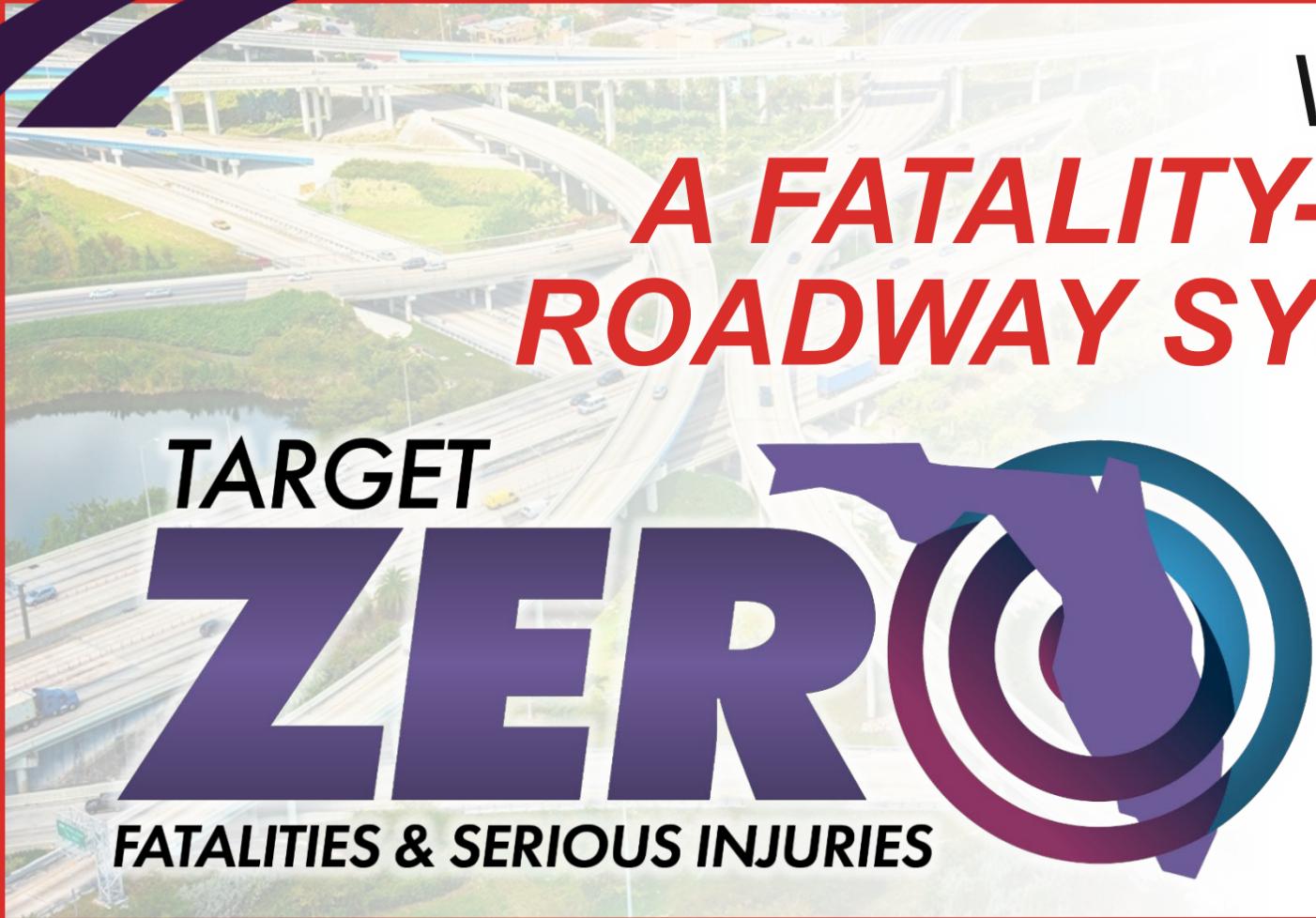


FIGURE 7 Comparison of noise level among test sites.



VISION:
***A FATALITY-FREE
ROADWAY SYSTEM***

TARGET
ZERO
FATALITIES & SERIOUS INJURIES





Questions?