



SARASOTA ENGINEERING DESIGN CRITERIA MANUAL UPDATE

PUBLIC MEETING #2

MAY 2023

AGENDA

- **EDCM OVERVIEW**
- **WHAT WE'VE HEARD SO FAR**
- **POTENTIAL UPDATES AND CHANGES**
- **PROJECT SCHEDULE**

EDCM OVERVIEW

WHAT, WHO, WHEN?

- **What is the Engineering Design Criteria Manual (EDCM) ?**

- It defines minimum requirements for **right-of-way** including streets, alleys, sidewalks, drainage facilities, utilities, and other infrastructure

- **Who uses the EDCM?**

- Designers, Developers, and City Engineers

- **When is the EDCM used?**

- When designing a new roadway, improving existing infrastructure, or developing or redeveloping private or public property

EDCM CURRENT TOPIC AREAS

**Site Development
Plan Regulations**



Erosion and Siltation Control



Subdivision Regulation



Street Design



Stormwater



Utilities



NEW TOPIC AREAS

Public Art



Streetscape



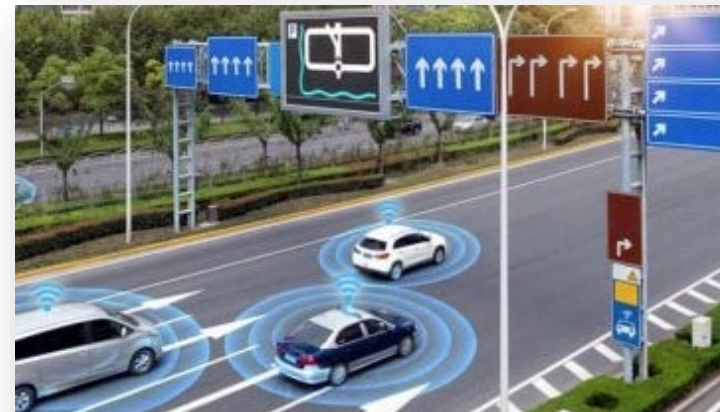
Resiliency



Solid Waste



Emerging Technology



WHAT'S NOT IN THE EDCM?

Building Facades



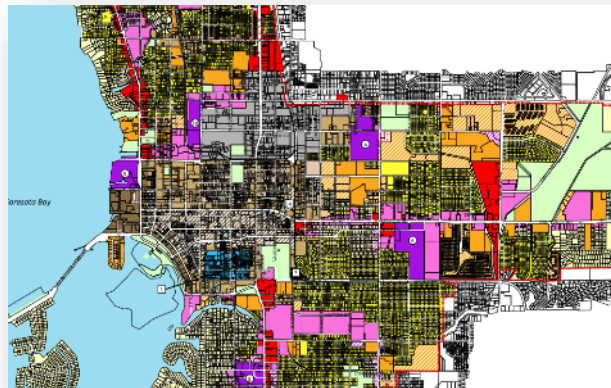
Transit Service



Parks



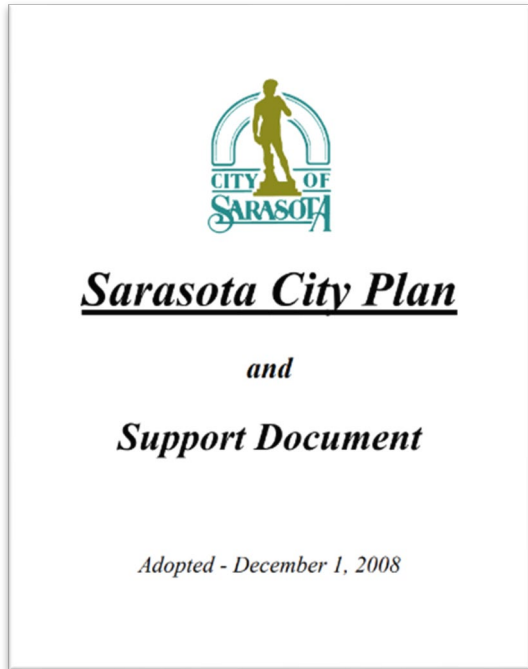
Land Use / Zoning



Building Structural Requirements



OTHER DOCUMENTS YOU MAY KNOW



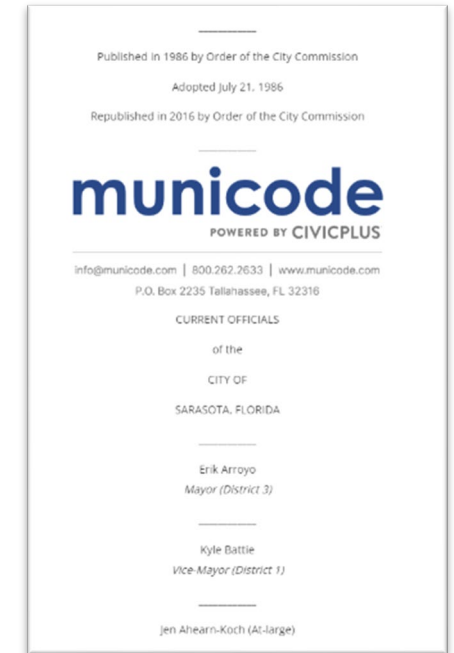
Comprehensive Plan



Transportation Plan



Downtown Master Plan



City Code

WHY ARE WE UPDATING THE EDCM?

Design a world class community



Create Safe Streets for All



Improve Emergency Preparedness



Improve Walkability



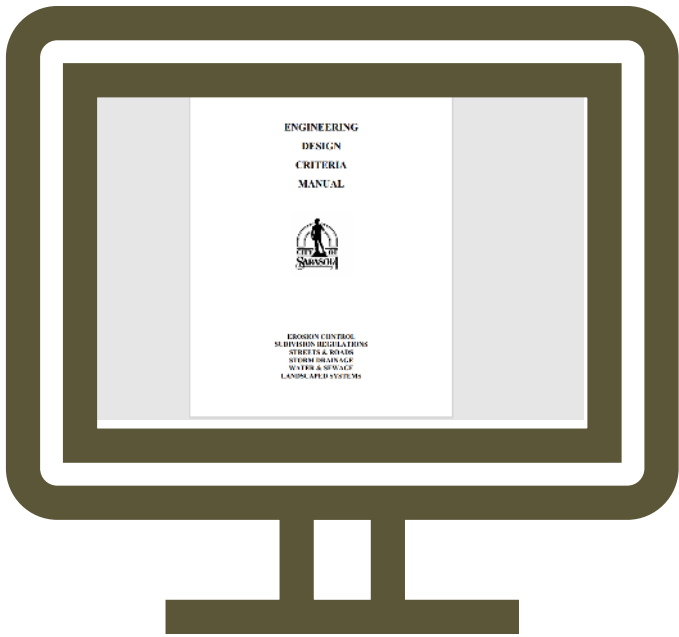
Design for Transportation Choices



WHAT WE'VE HEARD SO FAR

SURVEY RESPONSES

Survey provided in person and online at the public workshop #2

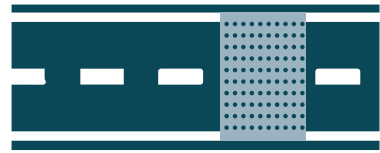


132 Responses

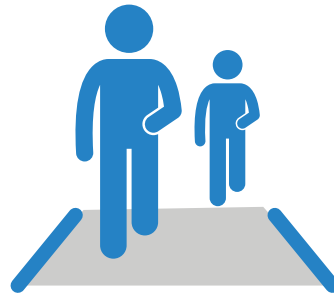
What would you like to see more of on your street?



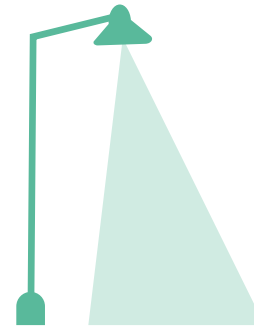
Street trees



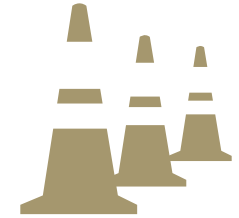
Traffic calming
(enforcement,
speed tables)



Sidewalks
(width,
consistency)



Lighting



Maintenance
(street sweeping,
sidewalk repair,
pavement repair)

What makes it harder for you to move around the city?



Traffic volume



**Long and poorly
time traffic
signals**



**Discontinuous/
poorly maintained
Sidewalks**



Speeding

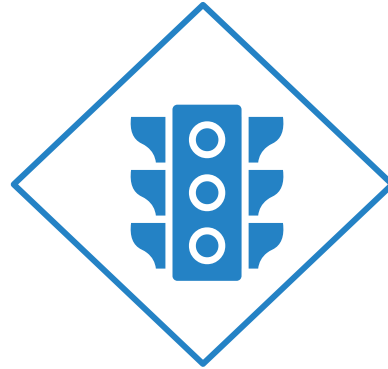
What would make it easier for you to move around the city?



**Safe
pedestrian
infrastructure**



**Better bus/
trolley
service**



**Better signal
management**



**Less
development/
less traffic**

POTENTIAL UPDATES AND CHANGES

SUBDIVISION REGULATIONS

UPDATED PLATTING PROCESS

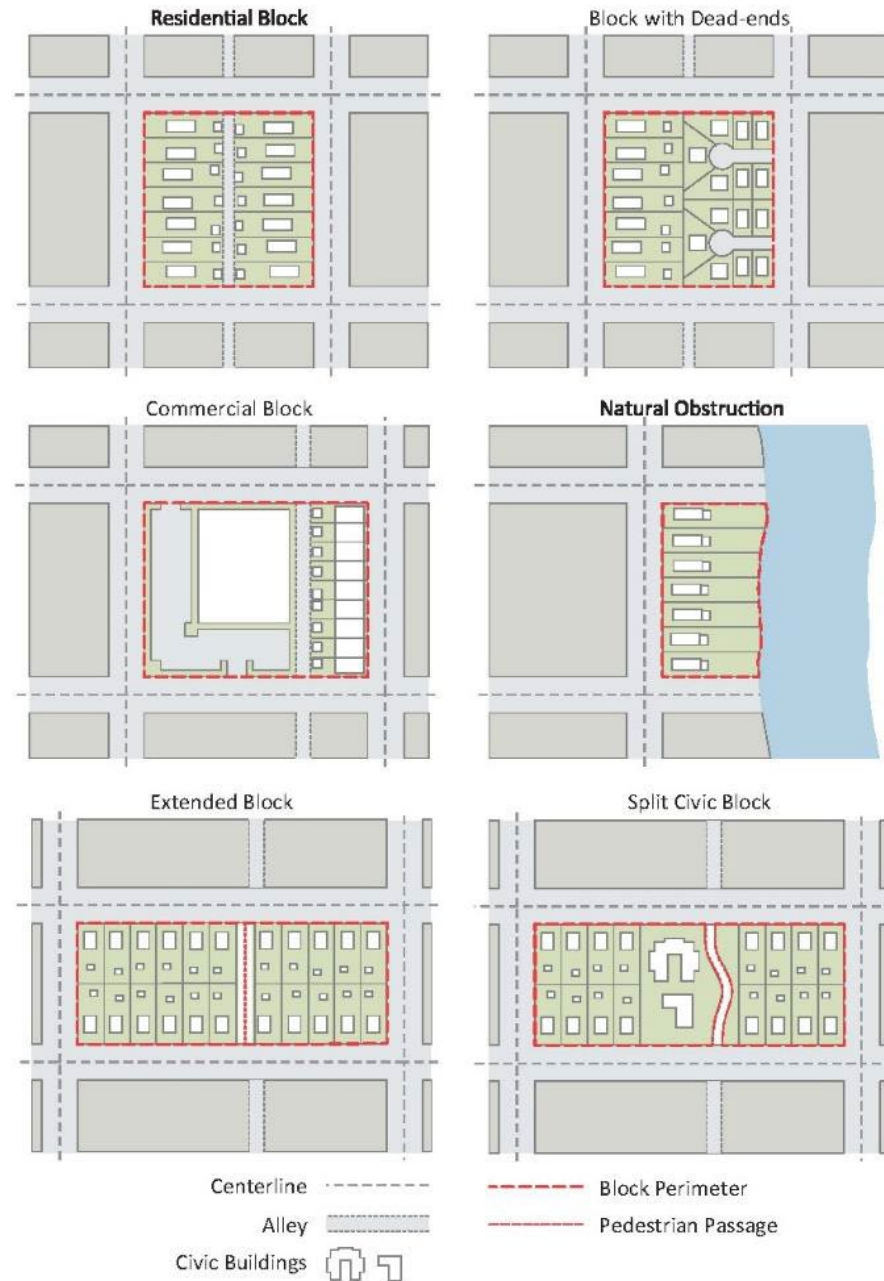


- **More consistent with other cities**
- **Improved clarity on what the city requires from development and when**



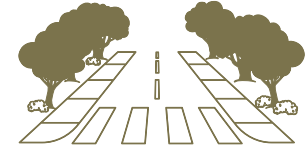
SUBDIVISION REGULATIONS BLOCK DIMENSIONS

- **New guidance for block dimensions in different areas**



STREET DESIGN

APPROACH



Focused on balancing safety and mobility for all travel modes

Modal Hierarchy

- Determine street users
- Plan for vulnerable users first

Context

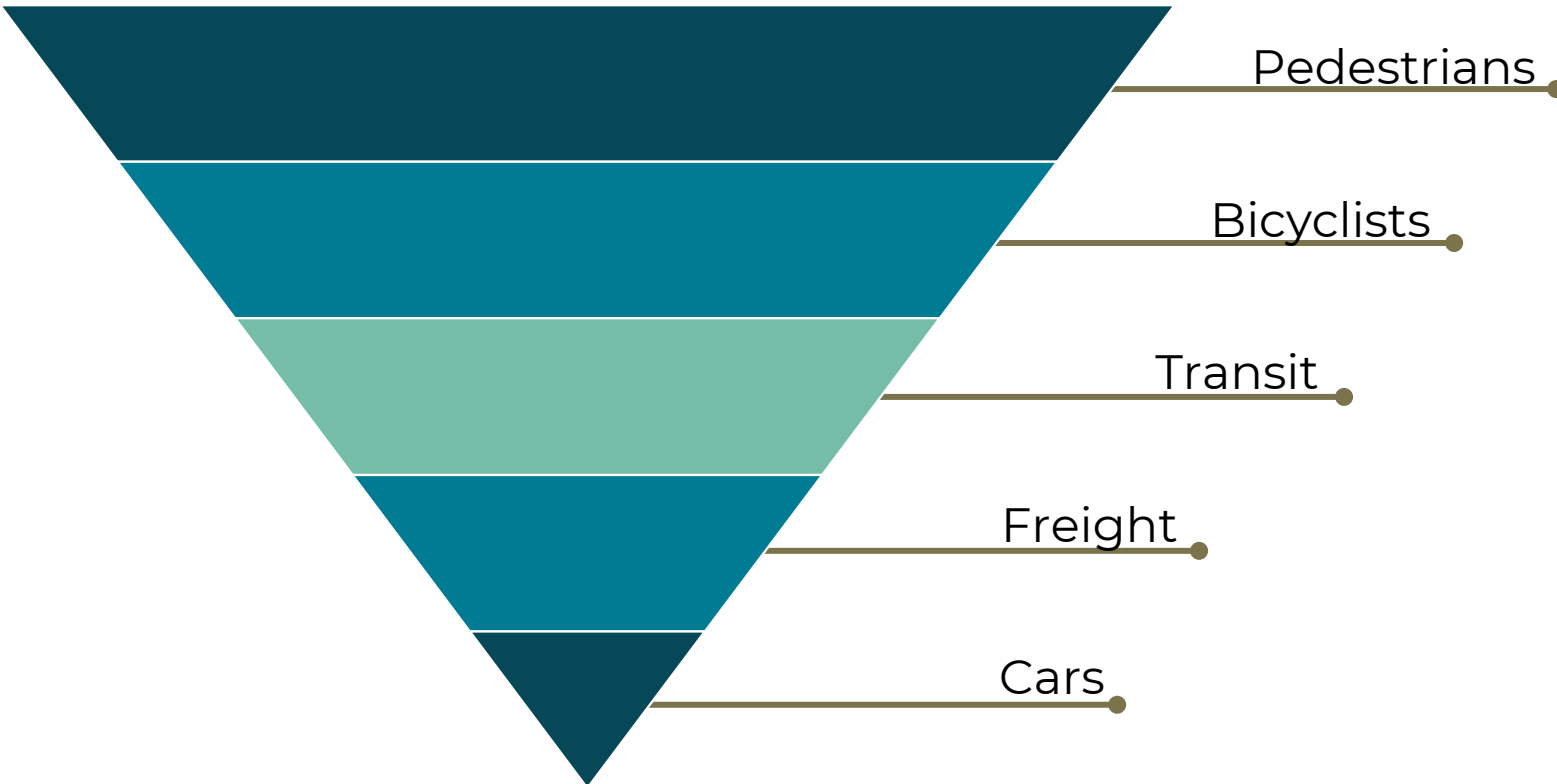
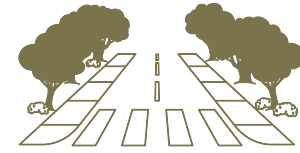
Identify unique context of the street

Guidance & Criteria

Select criteria based on context and user needs

STREET DESIGN

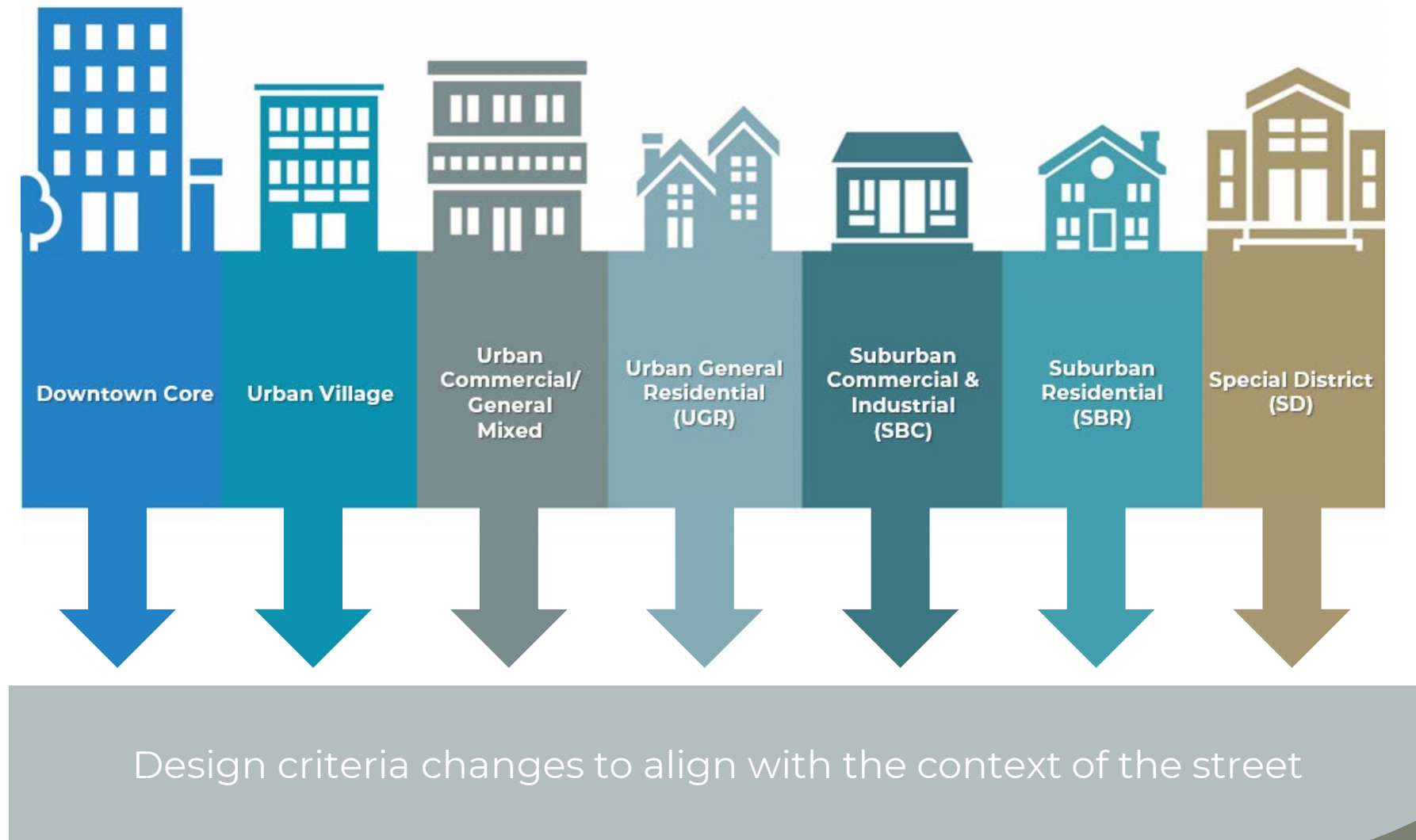
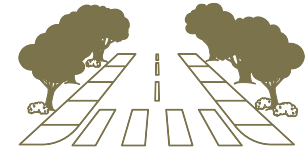
MODAL HIERARCHY



- **Plan and design for vulnerable road users first**
- **Create streets that are safe and effective for all travelers**
- **Designs serve all ages and abilities**

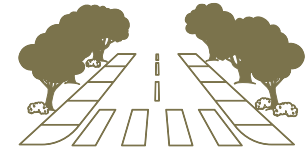
STREET DESIGN

CONTEXT CLASSIFICATION

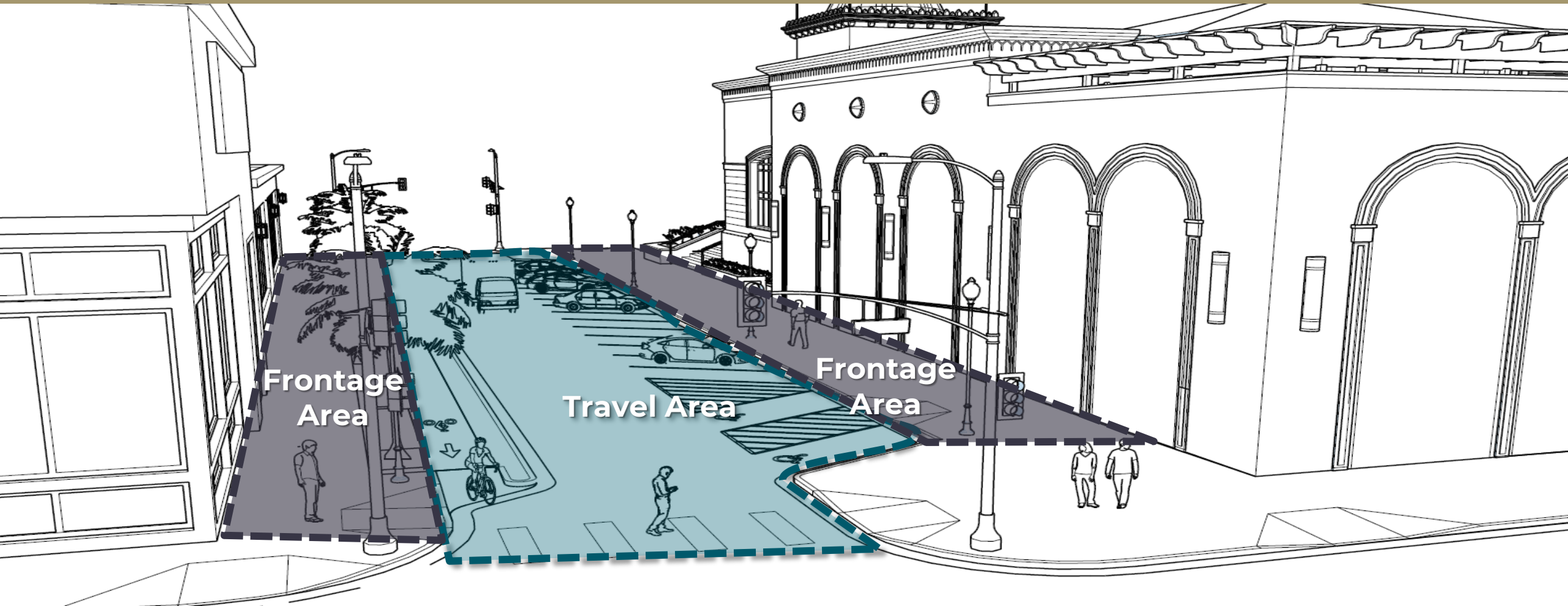


STREET DESIGN

GUIDANCE: SUB-AREAS

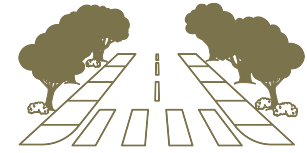


Use context classification and user needs to allocate street space

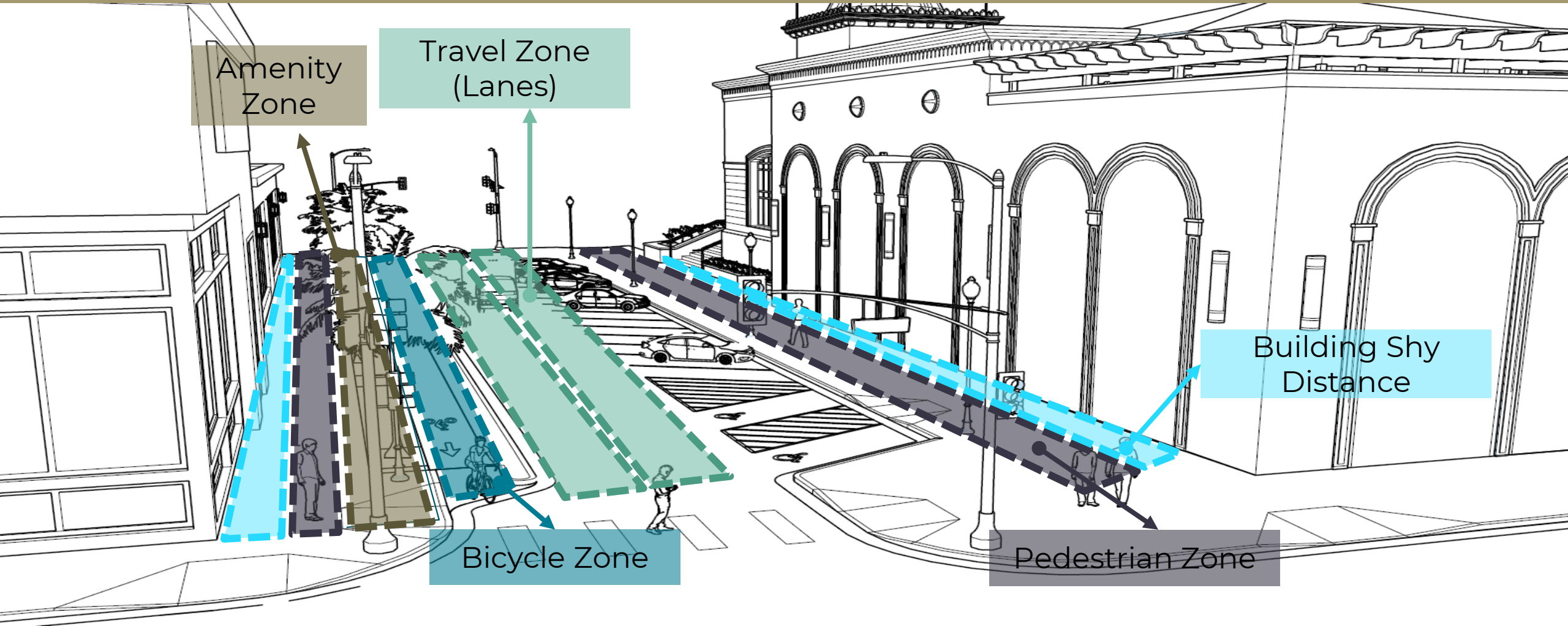


STREET DESIGN

GUIDANCE: ZONES



Select specific criteria for each travel mode



Amenity
Zone

Travel Zone
(Lanes)

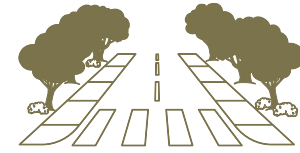
Bicycle Zone

Pedestrian Zone

Building Shy
Distance

STREET DESIGN

GUIDANCE: NEW EDCM ELEMENTS



Quick Build – Materials and construction are deployed quickly and efficiently.

EDCM includes dimensional and material criteria for the planning and installation of Quick Build projects

Before Quick Build

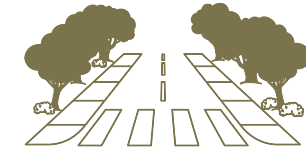


After Quick Build



STREET DESIGN

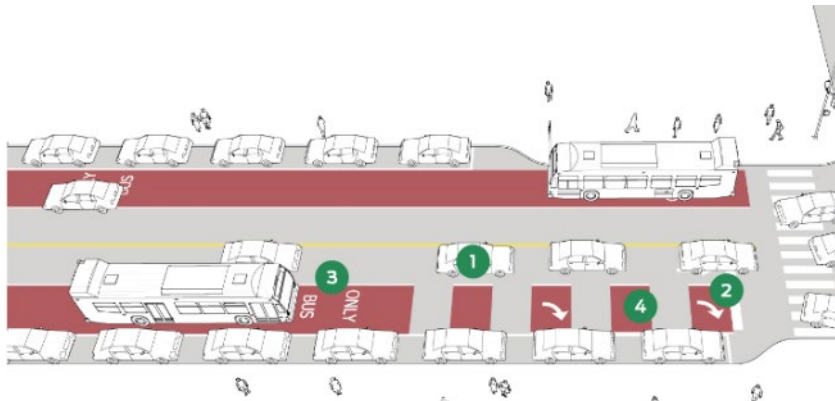
GUIDANCE: NEW EDCCM ELEMENTS



Future Proofing Transit

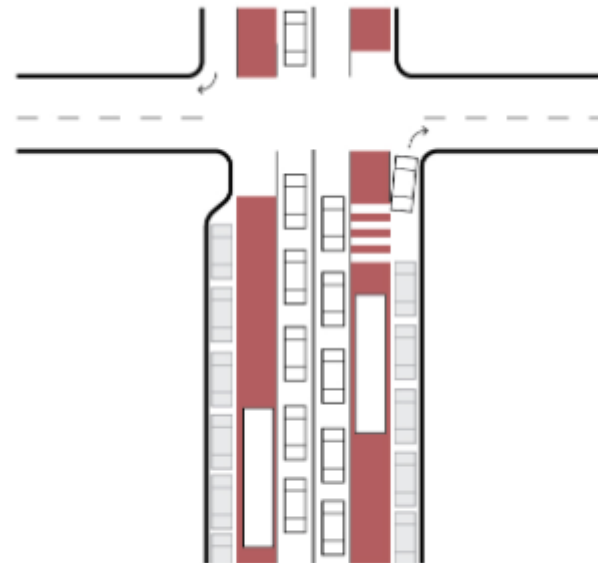
Criteria for the current level of transit, possible transit future, and autonomous vehicles

Business Access and Transit (BAT) Lanes

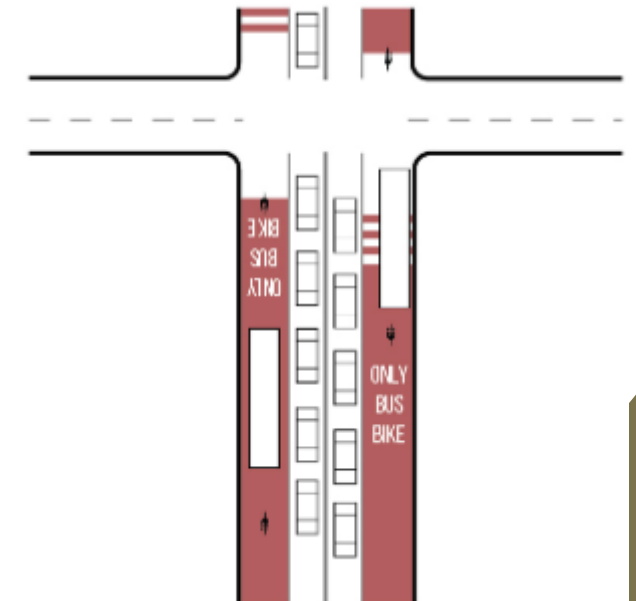


Images from NACTO

Offset Transit Lanes



Shared Bus-Bicycle Lanes



STREETSCAPE

PURPOSE

Develop a consistent streetscape across the city

- Provide amenities and a nice environment for people using the street
- Help developers understand what the City wants
- Allow flexibility in design



STREETSCAPE

TREES SELECTION

- Flexibility based on project conditions
- Provide shade to the sidewalk
- Provide a sense of enclosure
- Florida friendly / Florida natives



STREETSCAPE

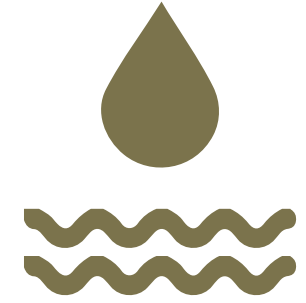
STREET FURNITURE

- Amenities for street users
- Examples
 - Bike Racks
 - EV Charging
 - Benches



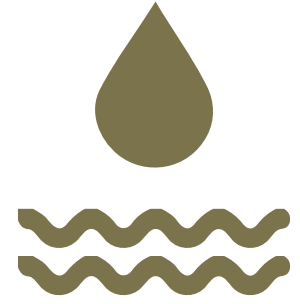
STORMWATER ATTENUATION

- Update from 25 to 100 years of Service
- Increased consistency with Sarasota County policy
- Help mitigate for major flooding events



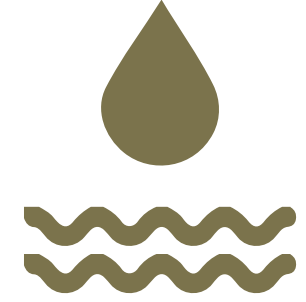
STORMWATER LOW IMPACT DESIGN

Encourages use of rain gardens, permeable pavers, and green roofs to reduce the impact of development.



Victory Pointe – Clermont, FL

STORMWATER SEA LEVEL RISE PROJECTION



- Increase the resiliency of the City's flood protection and drainage infrastructure.
- Require coastal developments to incorporate projected sea level rise into flood risk analysis.



SOLID WASTE



- **Includes:**
 - Solid waste (trash)
 - Recycling
 - Composting
- **Covers residential and commercial/industrial**



SOLID WASTE

- **NEW standards on making underground storage available!**



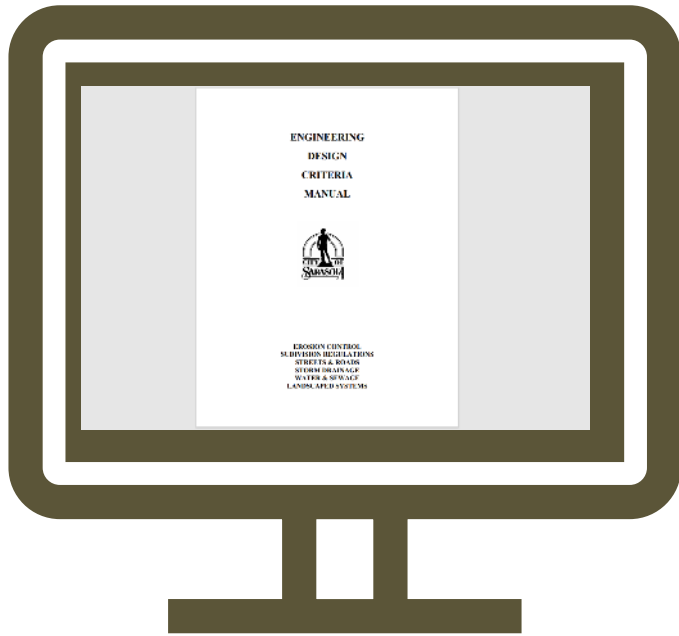
SOURCE: [Underground Refuse Systems Services](#)

WE WANT YOUR INPUT!

Share your input on the survey!



HOW TO REVIEW THE EDCM



The Current EDCM can be found at:

www.SarasotaFL.gov/government/EDCM

Check back for updates!

PROJECT SCHEDULE

Public Meeting 1
Issues & Opportunities
November 2022



Public Meeting 2
Potential Changes
May 2023



Public Meeting 3
Draft EDCM
July 2023



**Public Hearing & City
Commission
Meetings**



September & October 2023



2022

2023

Please join us for the next public meeting in July 2023!