



Venice Multi-Modal Transportation Master Plan City Council Meeting

February 25, 2025



Overview

1. Introduction and Purpose

2. Schedule

3. Findings

4. Recommendations





Introduction and Purpose

*Overall Goal: Develop a **20-year measurable blueprint** for improving the City's transportation system to address **all modes of transportation** including: driving, walking, biking, transit, and micromobility.*

Purpose

- **Prioritize needs** and identify potential **funding options**
- Provide **Vision and Guidance** for City employees, developers, and residents on the future of transportation in Venice

Schedule

Task	Spring 2024	Summer 2024	Fall 2024	Winter 2025
Project Coordination Services		<i>Continued progress meetings</i>		
Document Review and Analysis	<i>Done</i> 			
Multi-Modal Transportation Network Recommendations	<i>Done</i> 			
Plan Development	<i>In Progress</i>			
Public Engagement and Stakeholder Engagement	<i>In Progress</i> 			



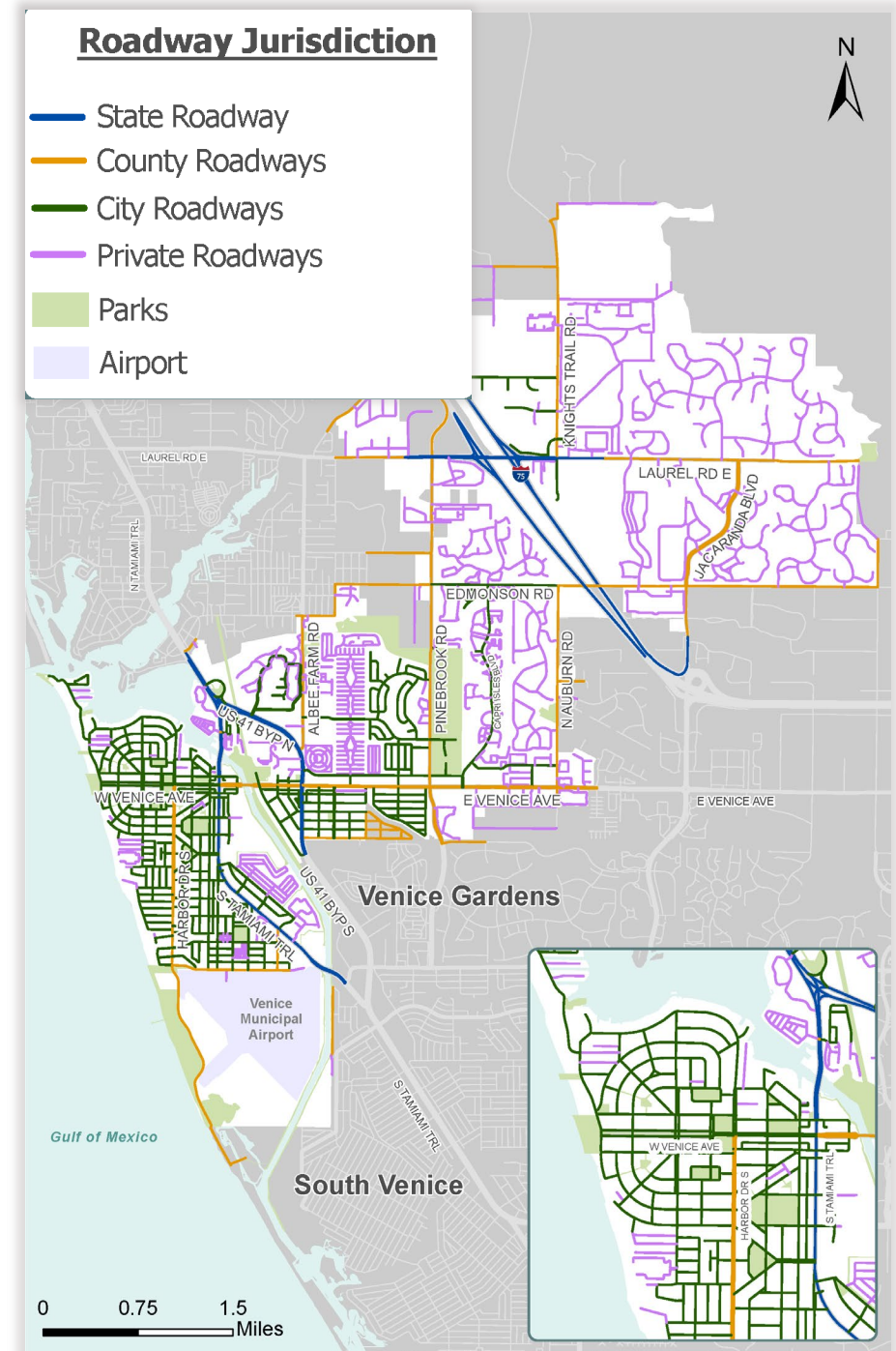
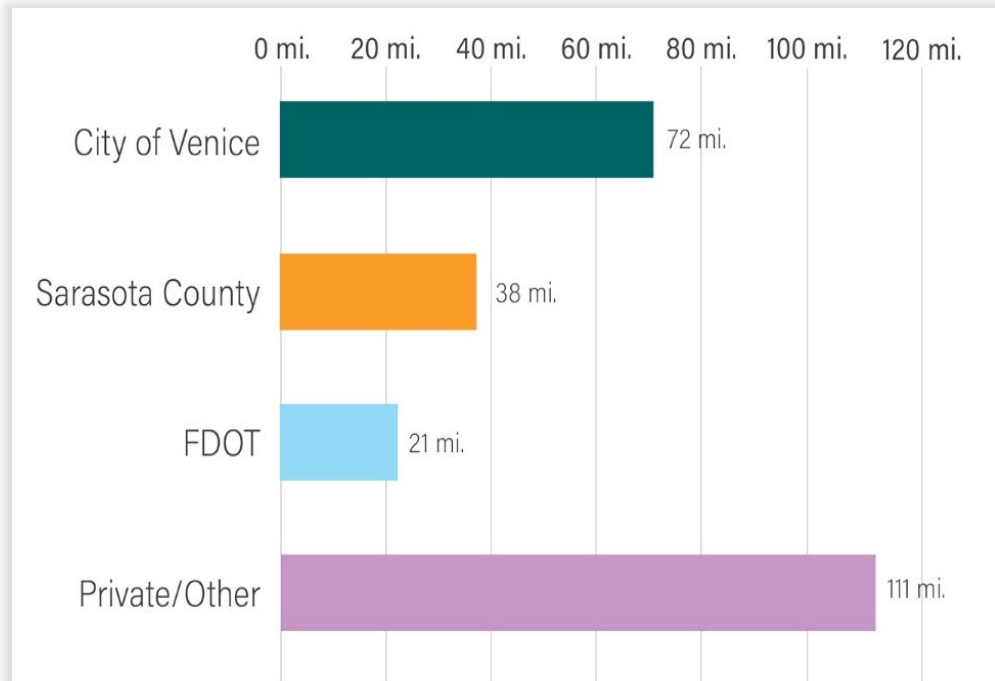
What will the Master Plan address?



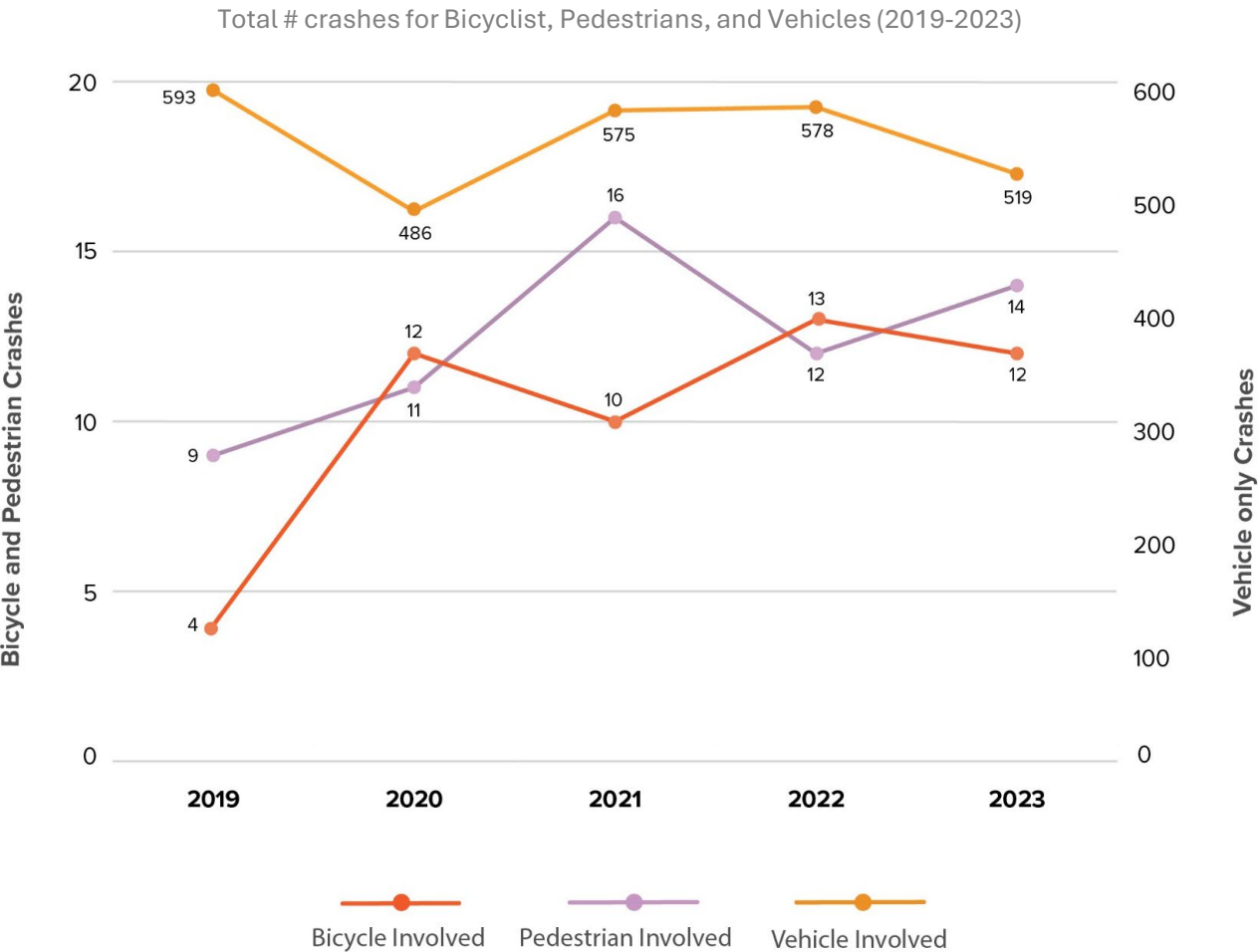
Roadway Ownership and Maintenance

- **Miles of City Maintained Roadway:**
72 miles

Roadway Ownership by Miles

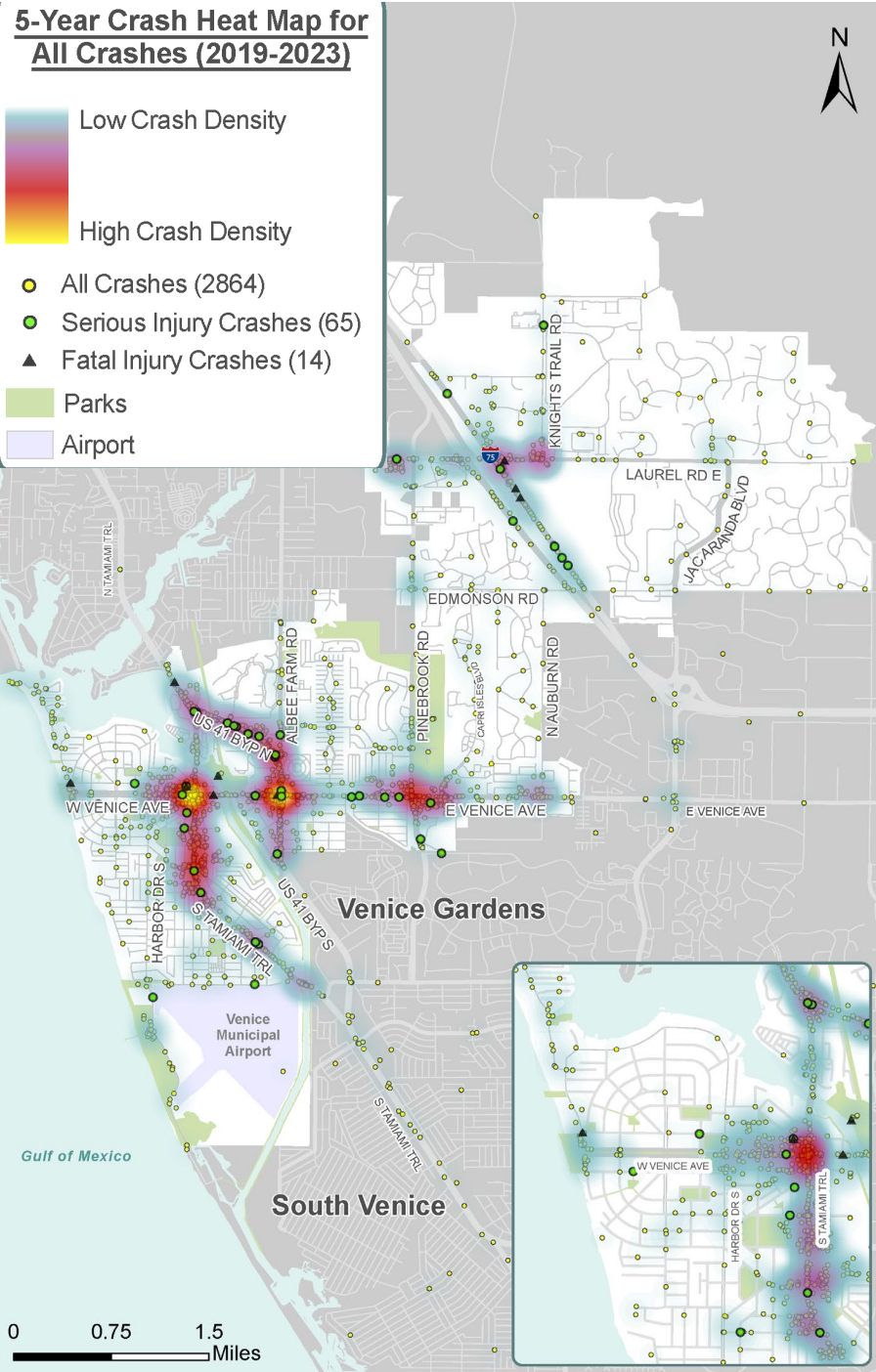


Crashes (2019-2023)



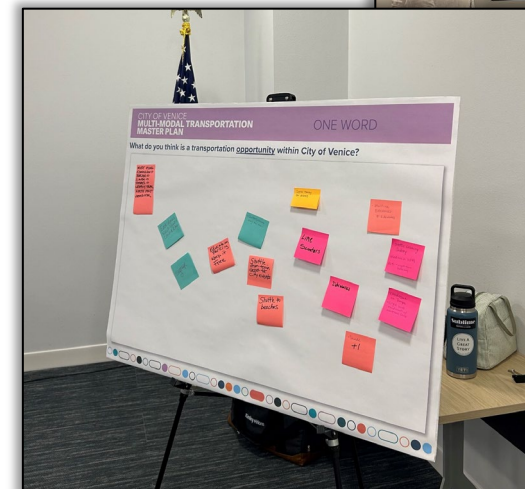
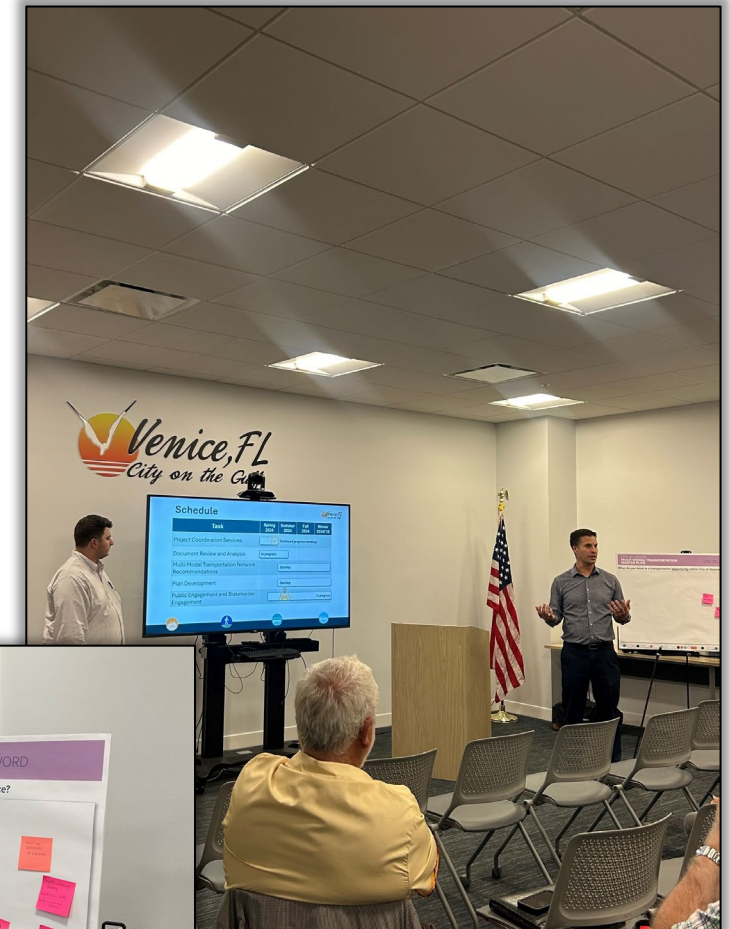
5-Year Crash Heat Map for All Crashes (2019-2023)

- Low Crash Density
- High Crash Density
- All Crashes (2864)
- Serious Injury Crashes (65)
- Fatal Injury Crashes (14)
- Parks
- Airport



Public Engagement & Survey

- ✓ **Community Workshop**
(In Person -Fall 2024)
- ✓ **Community Workshop** (Virtual –
Fall 2024)
- ✓ **Community Pop-Up Events** (2)
(Fall 2024)
- ✓ **Online Survey** (Summer-Winter
2024)
- ✓ **Interactive Comment Map**
(Summer-Winter 2024)



What We Heard

Main Takeaways

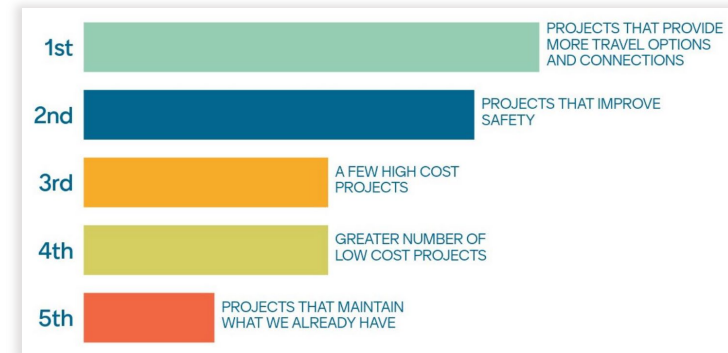
- Nearly **200** survey responses
- Safety concerns surrounding Venice Elementary and High School
- Filling major gaps in the multi-modal network
- Improved roadway infrastructure
 - Crossings
 - Roadway signage/markings
 - Mitigating traffic congestion

***Safety, connectivity, and accessibility
are a priority***

What are your transportation opportunities within the City?



What are your transportation priorities within the City?



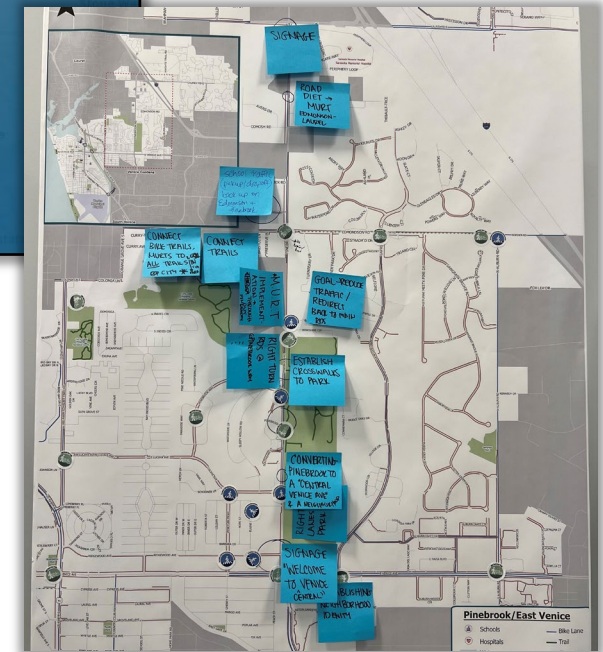
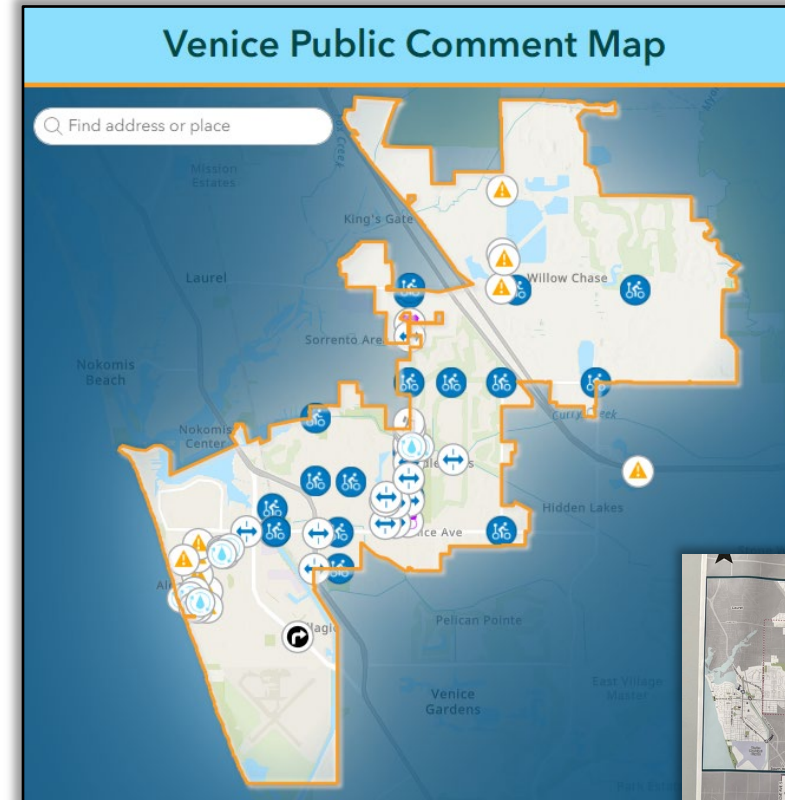
What are our current transportation challenge in the City?



What We Heard

Major Connectors

- **MURTs**(Pinebrook Rd, Knights Trail Rd, Laurel Rd, Border Rd, Venice Ave)
- **North/South Connectors**
(Knights Trail Rd, Pinebrook Rd, Jacaranda Blvd)
- **East/West Connectors**
(Venice Ave, Edmonson Rd, Laurel Rd E)



City of Venice CIS Projects



Project Name	Project Description
Laurel Rd from Knights Trail Rd to Jacaranda Blvd (V/C 1.17)	Widen to 4 lanes
Pinebrook Rd and E. Venice Ave (V/C 1.16)	Intersection improvements at Venice Ave and Ridgewood Ave intersections and optimize signal timing
Pinebrook Rd from Edmondson Rd to E. Venice Ave (V/C 1.14)	Traffic mitigation
Jacaranda Blvd from Laurel Rd to Border Rd (V/C 0.93)	Widen to 4 lanes
I-75 SB Ramps and Laurel Rd intersection (V/C 2.86)	1) Add 2nd SB LT lane and a shared EB THRU/RT lane; 2) Add 2nd WB LT lane and additional receiving SB lane(s); 3) Change cycle length from 110 to 120 seconds
Laurel Rd From Pinebrook Rd to I-75 (V/C 1.3)	Widen to 6 lanes
Lorraine Rd connection to Knights Trail Rd	Extension of Lorraine Rd to connect with Knights Trail Rd
Knights Trail Rd and Laurel Rd (V/C 1.96)	1) Add a 3rd EB LT lane and add receiving NB lanes; 2) Convert existing EB RT lane to a thru/RT lane and remove cross striping on receiving lane(s); 3) Add 2nd SB LT lane and convert the SB thru lane to a shared thru/RT lane along with receiving lane(s); 4) Add a WB RT overlap; 5) Change side street phasing to protected + permitting LT; 6) Modify signal timing (cycle length 120 to 160 seconds)

City of Venice CIS Projects (Continued)



Project Name	Project Description
Jacaranda Blvd and Border Rd (V/C 1.92)	1) Install traffic signal; 2) Restripe SB approach from shared LT/THRU lane and exclusive RT lane to exclusive LT and shared RT/THRU lane; 3) Construct an EB RT and LT lanes; 4) Construct a WB LT lane
Laurel Rd and Jacaranda Blvd (V/C 1.53)	1) Add EB RT lane and modify EB THRU/RT lane to THRU only; 2) Add WB LT lane and modify WB THRU/LT lane to THRU only; 3) Signalize
Laurel Rd from I-75 to Knights Trail Rd (V/C 1.38)	Widen to 6 lanes
Pinebrook Rd/Honore Ave and Laurel Rd intersection (V/C 1.4)	1) Add 5 section head to allow NB RT overlap phase; 2) Convert EB THRU/RT lane to THRU only and add EB RT lane; 3) Add 2nd NB LT, RT lanes; 4) Modify signal timing
I-75 NB Ramps and Laurel Rd (V/C 1.09)	1) Add a WB thru lane; 2) Modify signal timing
Knights Trail Rd from Laurel Rd to Rustic Rd (V/C 1.38)	Widen to 4 lanes
Pinebrook Rd and Edmondson Rd (V/C .99)	Optimize signal timing
Pinebrook Rd and Curry Ln (V/C .81)	Add WB LT lane and WB RT lane
Auburn Rd and E. Venice Ave (V/C .78)	Remove split phase for the NB/SB approaches

City of Venice CIS Projects (Continued)



Project Name	Project Description
Edmondson Rd and Auburn Rd Intersection	Safety Study for alignment and capacity analysis for intersection turning movements
Knights Trail Rd and Technology Dr	Signalize
Knights Trail Rd and Discovery Way	Signalize
US 41 Adaptive Traffic Signals- Upgrade signals	Increase capacity and reduce congestion of the intersection on Business and Bypass 41
Pinebrook Rd from E. Venice Ave to Center Rd	Widen to 4 lanes
Jacaranda Blvd from Border Rd to I-75	Associated intersection improvements
Knights Trail Rd and Gene Green Rd	1) Add a NB RT lane; 2) Signalization
Knights Trail Rd and Rustic Rd	Convert from 2-way stop control to all-way stop
Auburn Rd and Border Rd	1) Add stop signs to E and W approaches; 2) Add WB LT lane

City of Venice CIS Projects (Continued)



Project Name	Project Description
ADA Improvements Sidewalks/Parks/Buildings	ADA Improvements
Bike Facilities Improvements	Bike Facilities Improvements
Tarpon Center Upgrades	Transportation, multimodal, and sustainability improvements
Park Blvd South Pathway	Design, permit and construction
Bayshore Sidewalk Project	Design, permit and construction
Long Range	
Venice Avenue Bridge (Reconstruction/ enhancement)	Study/evaluate options including expansion
Edmondson/Border Roads - From Pinebrook Road to beginning of potential four lane section of Border Road east of I- 75)	Add two lanes

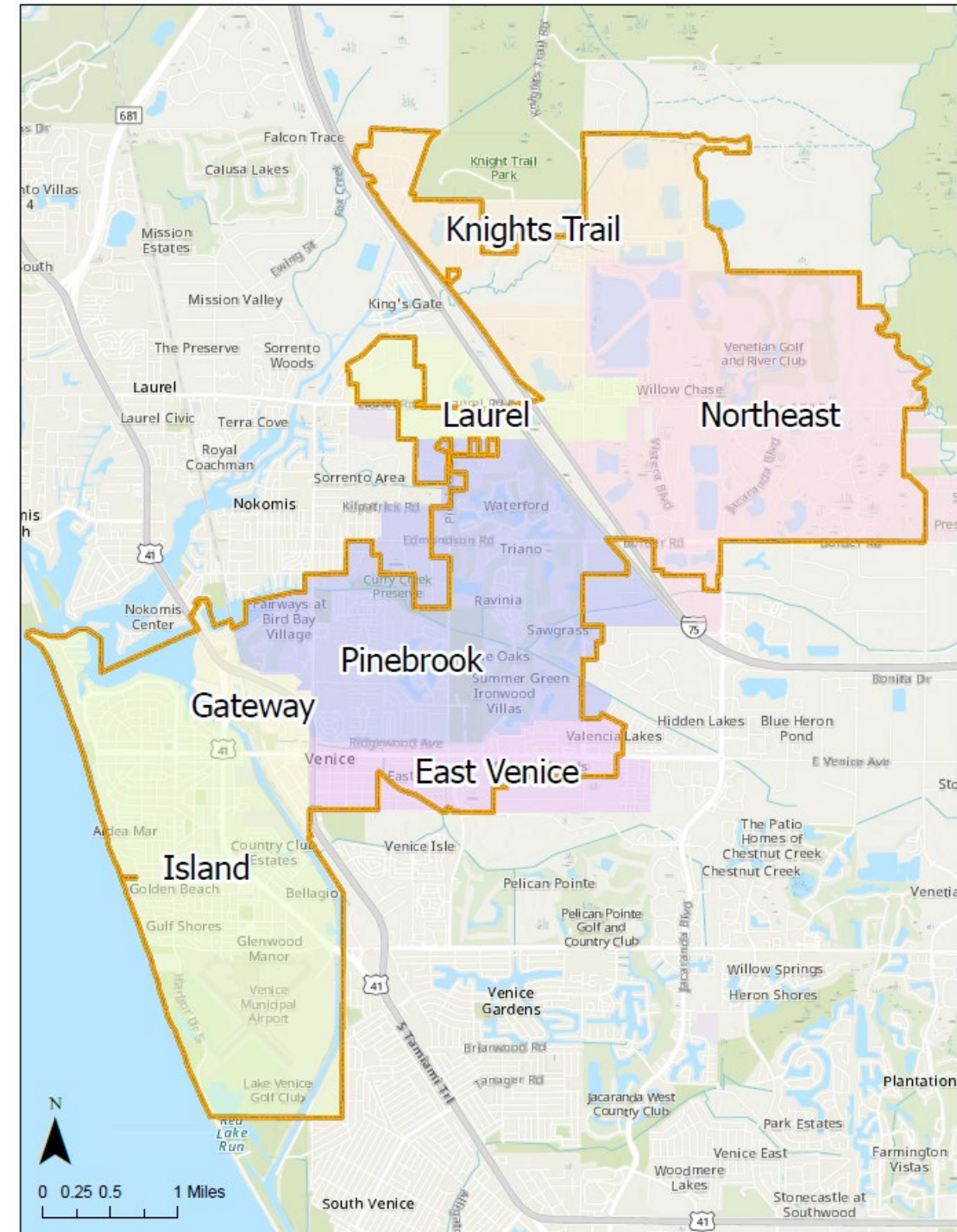
Recommendations

- Overall Strategy
- Opportunity Areas
- Multi-modal Toolkit
- Project Prioritization
- Multi-modal Recommendations
- Implementation and Funding

Overall Strategy

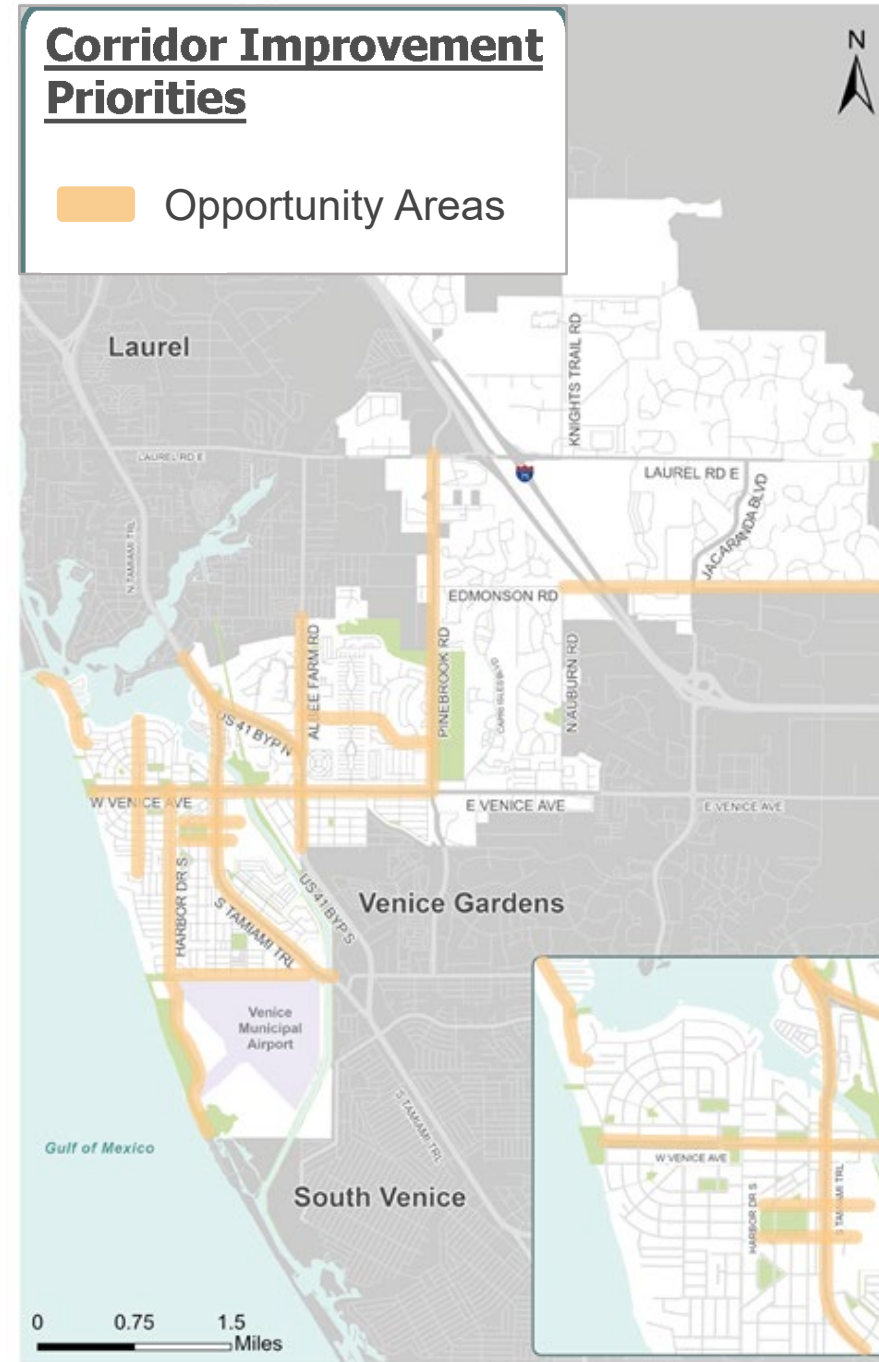
Different strategies and needs for different parts of the City

- **Connectivity to the Island** (E Venice Ave, Ridgewood, Lucaya, Business 41)
- **Connectivity within the Island** (Park Blvd, Bayshore, School connectivity/safety for Venice Elementary and High School)
- **Broader connection throughout East Venice** (Edmonson, Laurel, Knights Trail Rd)
- **Pinebrook** (park connections to Albee Farm Rd/Bird Bay Plaza)
- **Airport Ave/Venetian Waterway Trail connectivity**
- **Seaboard** (including connectivity to neighborhoods East of Seaboard)



Opportunity Areas

Initial prioritized
opportunity areas



Multi-modal Toolkit

Pedestrian Improvements

1. Stop for pedestrian signage
2. High visibility crosswalk
3. Tactical public spaces
4. Pedestrian lighting



Multi-modal Toolkit

Bicycle Improvements

1. Bicycle boulevards
2. MURTs
3. Trail connections and crossings
4. Painted bicycle lanes



Multi-modal Toolkit

Roadway Improvements

1. Street trees
2. Raised medians
3. Wayfinding
4. School zone signage
5. Intersection improvements



Multi-modal Toolkit

Intersection and Crossing Improvements

1. Curb extensions
2. Signal Timing
3. Rectangular rapid flashing beacon (RRFB)
4. Extending walk times



Prioritization Criteria Table

Guiding Principle	Measurables
Safety	<ul style="list-style-type: none"> • Pedestrian/Bicycle Crashes • Crashes in Dark Conditions • Fatal and Serious Crashes • Total Crashes • Difference in posted and desired speed • Pavement Condition Index • Perceived Safety
Connectivity	<ul style="list-style-type: none"> • Fills a major gap • Feasibility • Within 0.25 miles of: Community Center, Beach Access, School Bus Stop, Hospital, School, Park Library (2% each)
Accessibility	<ul style="list-style-type: none"> • Census Data: 0 - 1 Vehicles in Household • Transportation Disadvantaged • Falls within Commercial Area
Other	<ul style="list-style-type: none"> • Included in CIP • Included in LRTP/ATP • Included in Other Master Plan • Aligns with Public and Stakeholder Feedback

40%

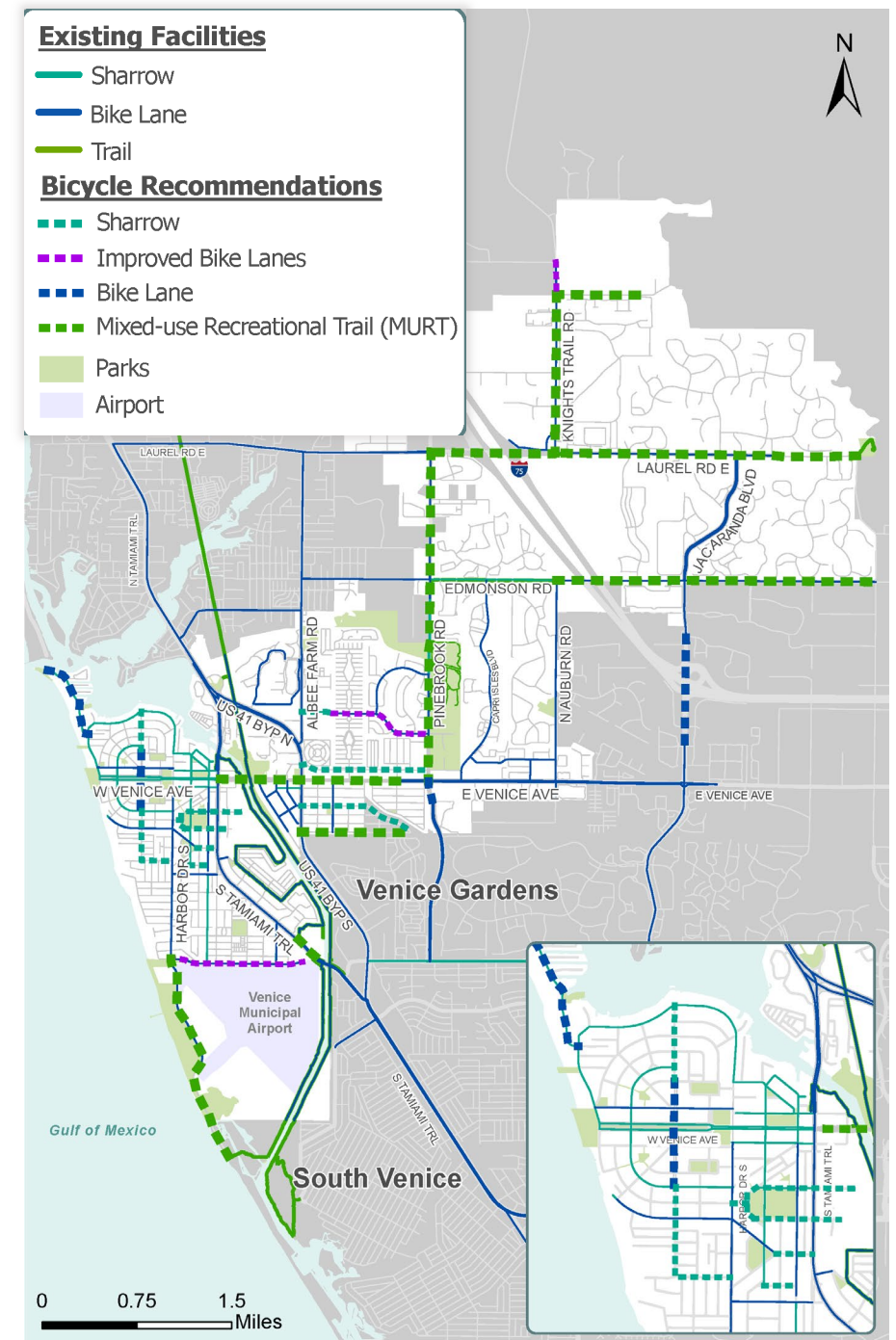
22%

20%

18%

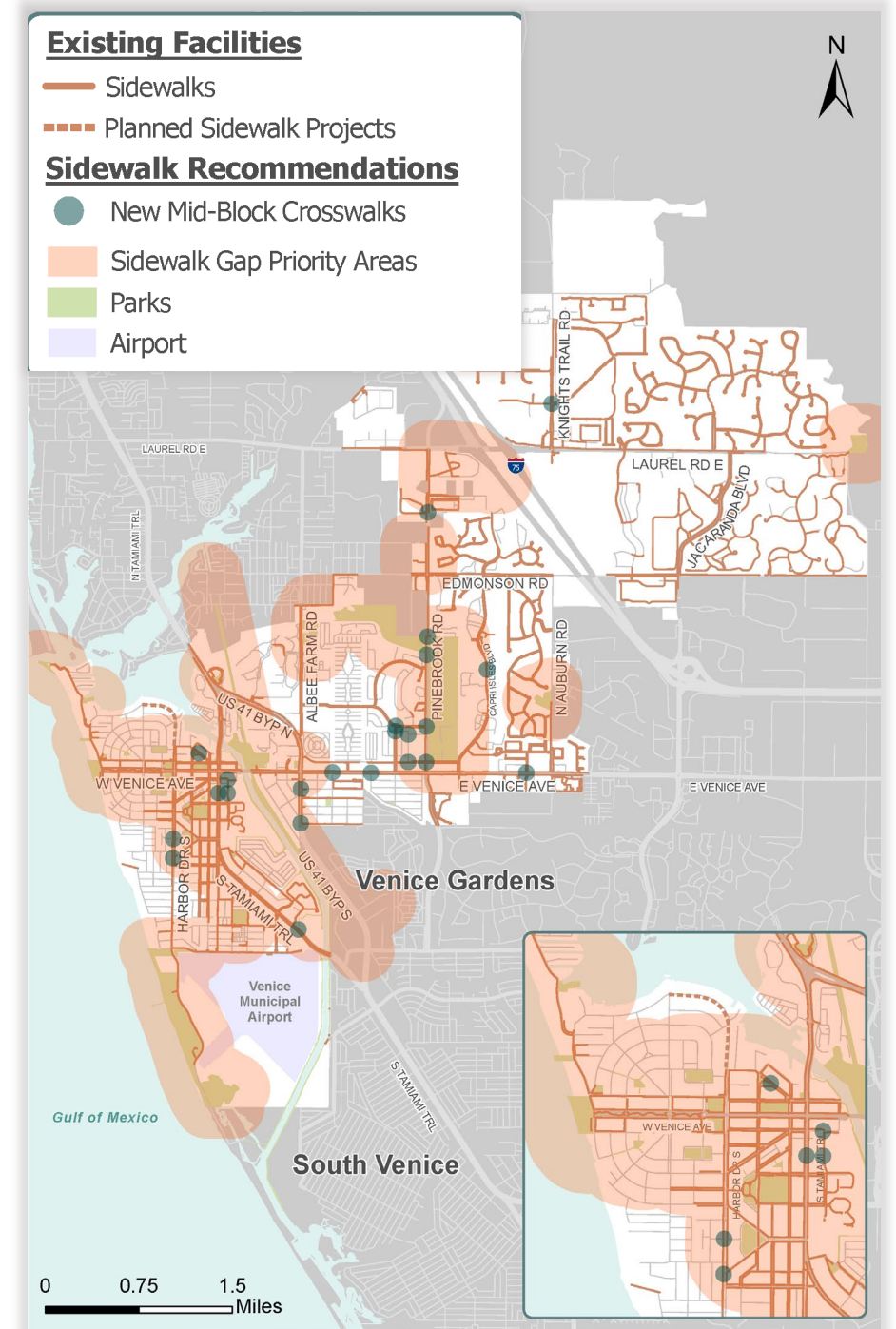
Bicycle Recommendations

- Create a bicycle **network** that **serves all ages and abilities**
- Enhance overall connectivity from **Northeast Venice to the Island**
- Continue **partnerships** to provide **further connections and amenities** along Legacy Trail



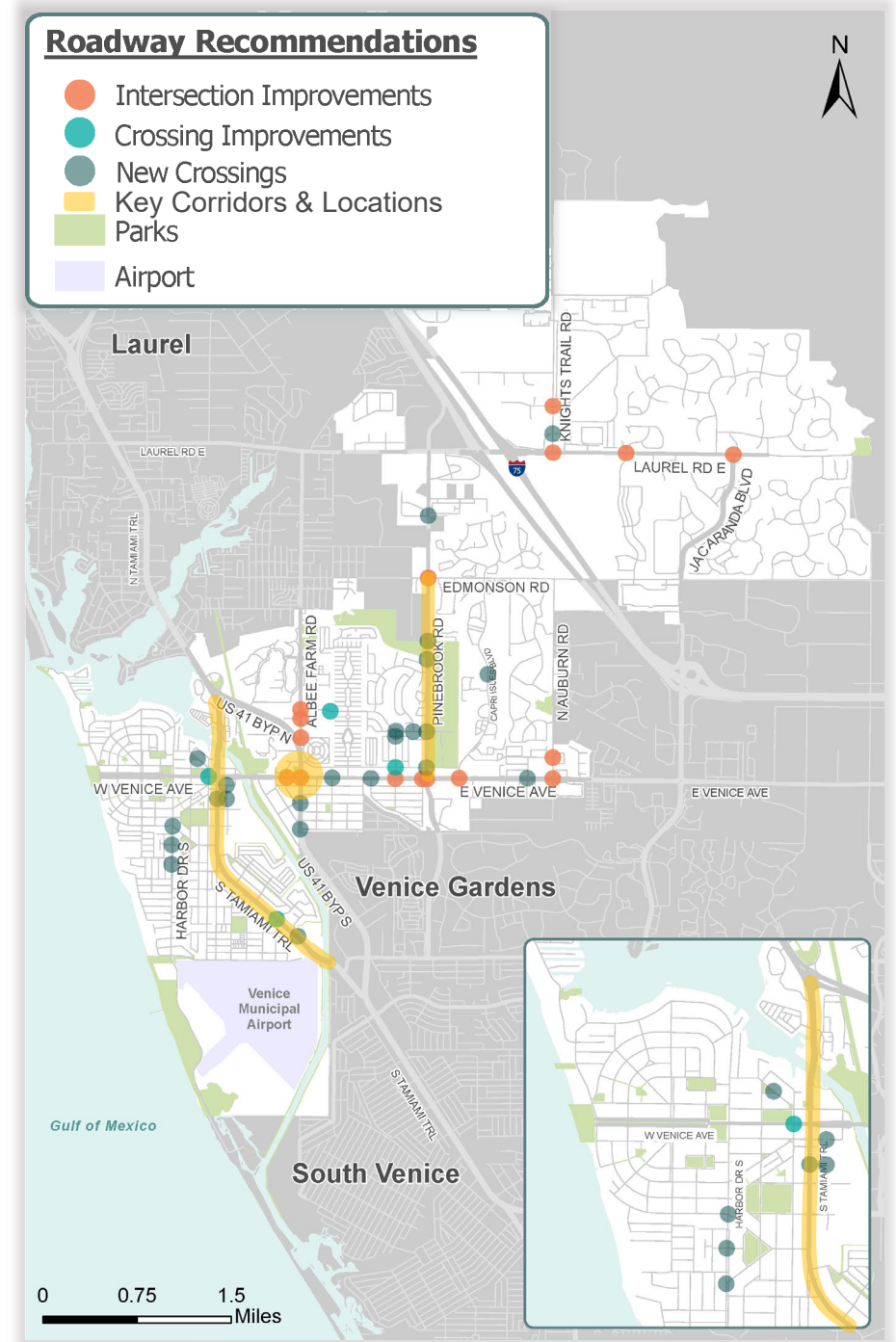
Pedestrian Recommendations

- Prioritize **visibility and safety of pedestrians** at intersections and crossings
- Maintain **accessible and safe pedestrian network**
- Increase **shade trees and landscaping** along high-frequented areas



Roadway Recommendations

- Create **safer and more vibrant streets** that serve **multiple modes of transportation**
- Implement **safety improvements** on high-crash corridors and intersections
- Improve **crossings and mobility** at high-priority intersections



Transit Recommendations

- Increase **efficiency and reliability** of transit
- Improve **existing** transit facilities
- Increase **access to options and connections** to transit
 - Train Depot to Island/Venice Airport connector
 - Waterborne Transit



Citywide Recommendations

- Incorporate **improvements and recommendations** into the CIS, CIP, TIP, FDOT Work Program, and LRTP
- Seek enforcement partnerships, strategies, and tools to **track speed and safety** related incidents
- Adopt **Vision Zero Policy** in conjunction with Sarasota/Manatee MPO efforts
- Implement **Seaboard Master Plan recommendations** into the City's overall plan
- Continue to review **event management** strategies



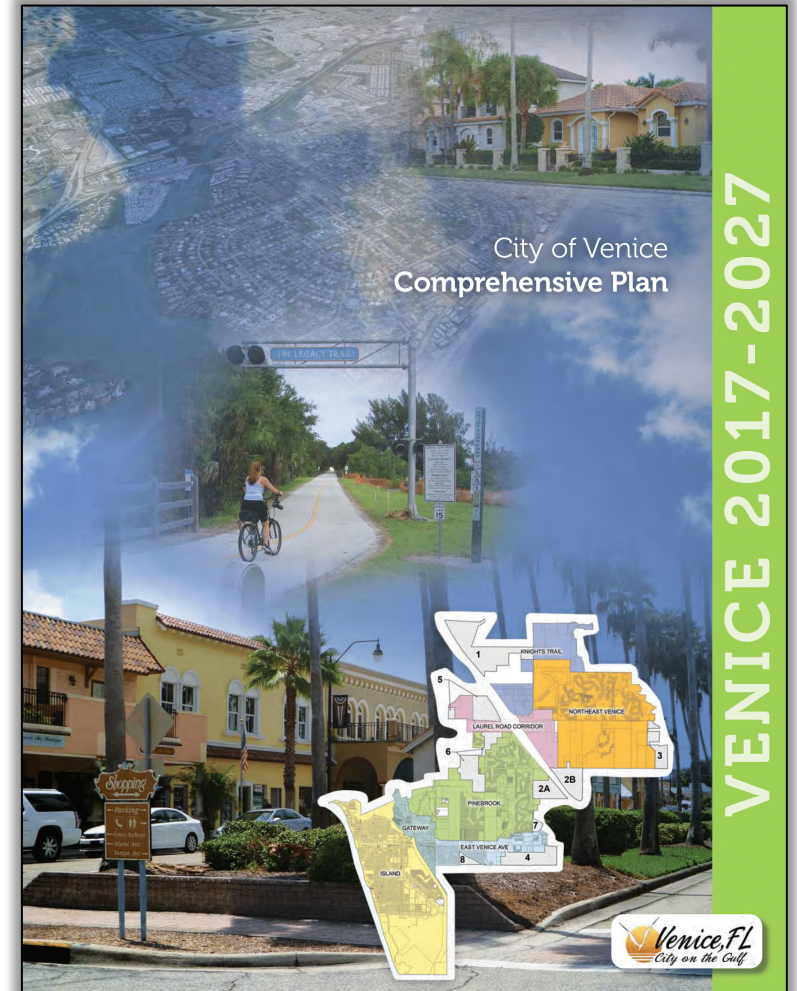
Educational Programs

- Partner with the City of Venice Police Department to implement an **adult bicycle safety class**
- Enhanced information programs to educate residents on **Breeze Transit services**
- Partner with local **organizations and schools** to advocate for **safety initiatives**
- Provide downtown parking **wayfinding** and update **parking map** to include multi-modal parking locations



Policy Recommendations

- Consider a **Context Classification** system
- Consider policy strategies for **micro-mobility management**
- Ensure the Land Development Code has implementing standards for **safe and effective** multi-modal travel
 - Expand upon Complete Street Design Standards to apply to all new roadways
 - Dedicated bicycle parking
 - Target Speeds
 - Modal Emphasis



Funding and Partnerships

- **Funding**

- Partner with local, regional, and state agencies on grants and funding

- **Continue Partnerships to implement recommendations**

- Local City Partners
 - Sarasota County
 - Sarasota/Manatee County MPO
 - Florida Department of Transportation (FDOT)
 - Breeze Transit



Next Steps

- Incorporate Council Feedback
- Finalize Plan



A scenic view of a coastal path leading to the ocean at sunset. In the foreground, a wooden railing with horizontal slats runs along the path. To the right, there is dense tropical vegetation, including a large palm frond and a bush with large, rounded leaves. The path leads towards the ocean, where a small boat is visible on the water. The sky is filled with soft, colorful clouds in shades of orange, yellow, and blue.

Thank You!