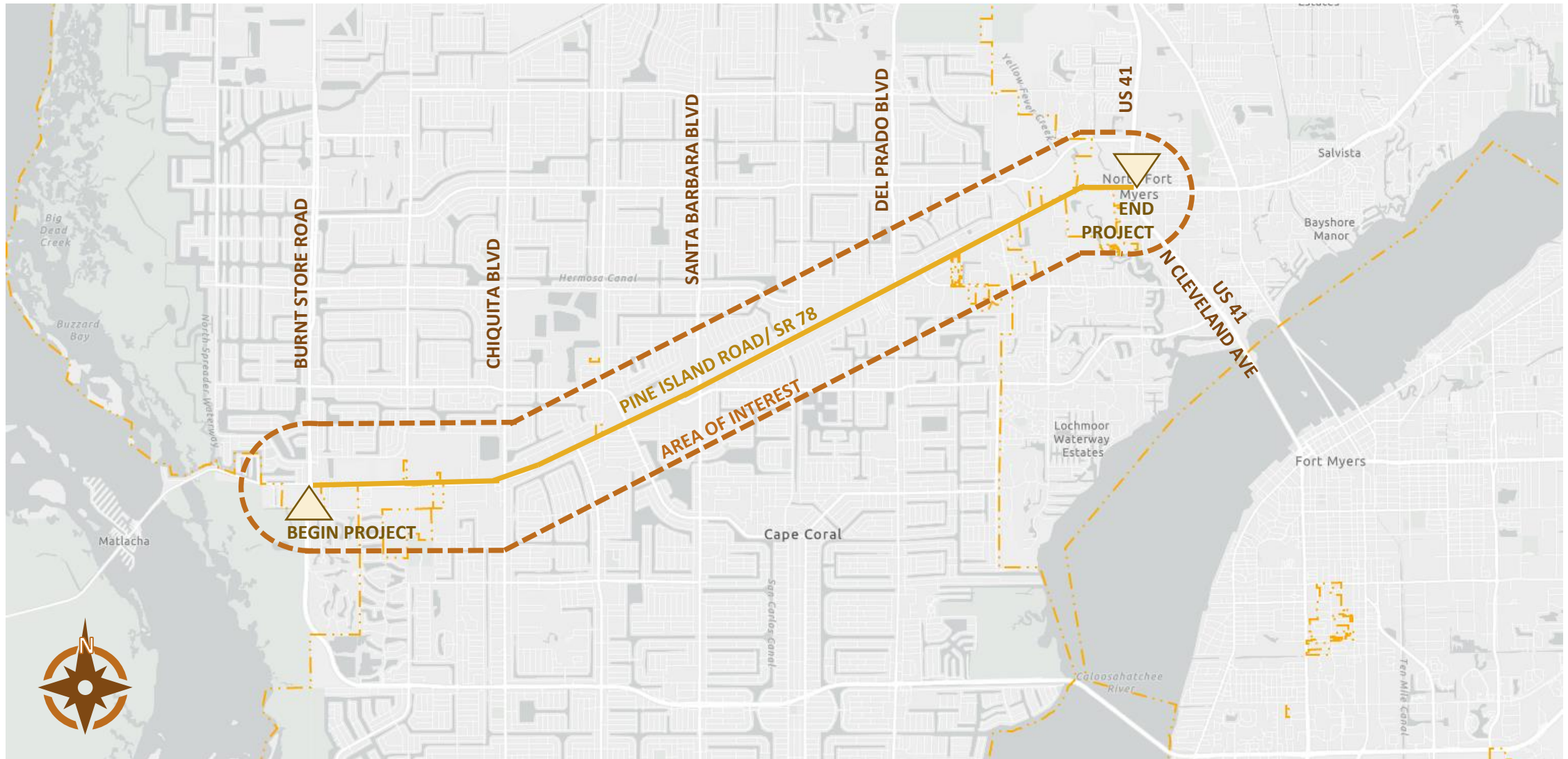


SR 78 Pine Island Road Corridor Vision & Action Plan City of Cape Coral City Council September 20, 2023



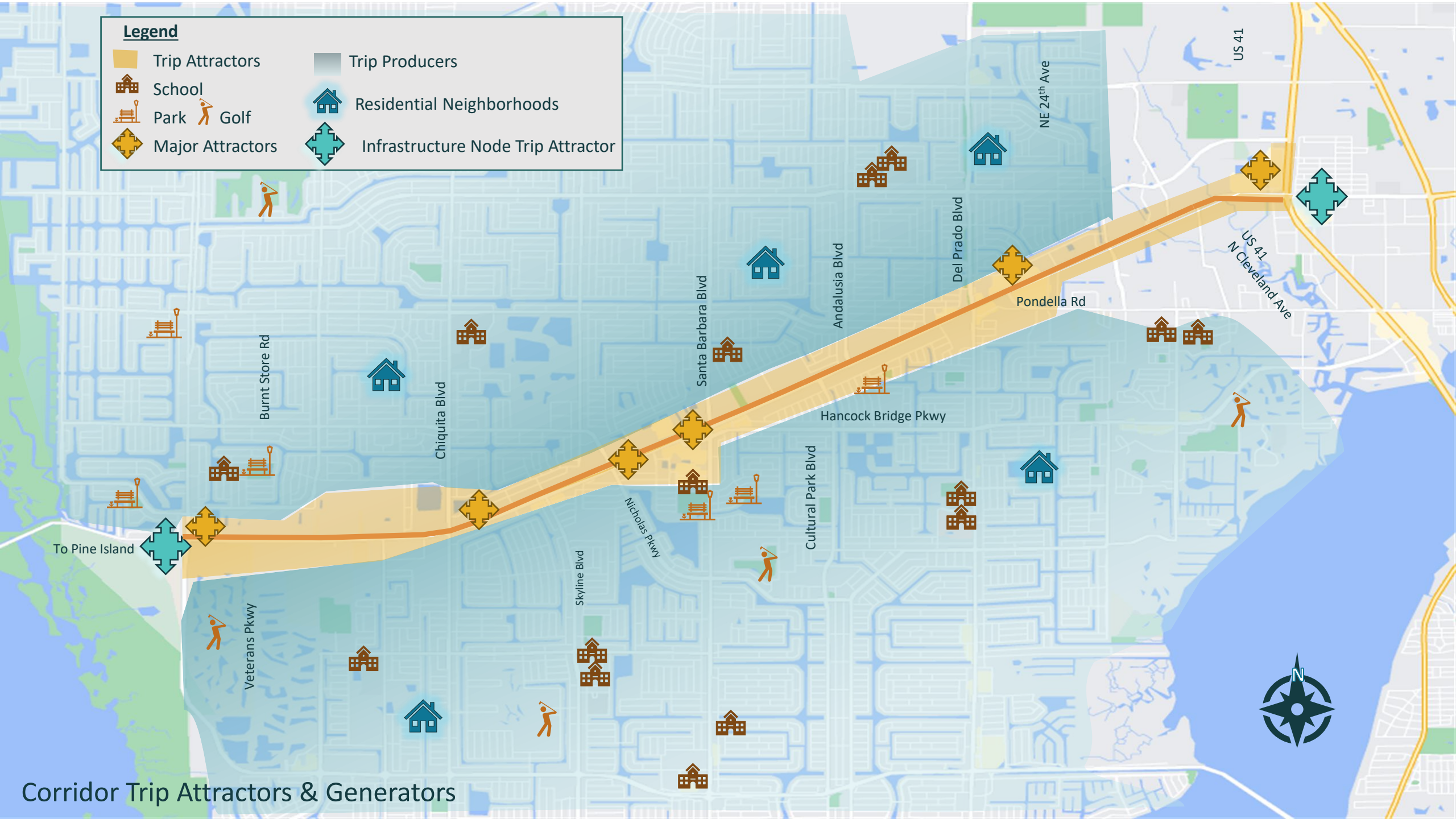
EXISTING CONDITIONS

STUDY AREA



Legend

- Trip Attractors
- School
- Park
- Major Attractors
- Trip Producers
- Residential Neighborhoods
- Infrastructure Node Trip Attractor



Corridor Trip Attractors & Generators

Legend

40 MPH 50 MPH 55 MPH

Sidewalk

Multi-use Path

Street Lights

Traffic Signal

Project Limit



Existing Conditions

Roadway Information

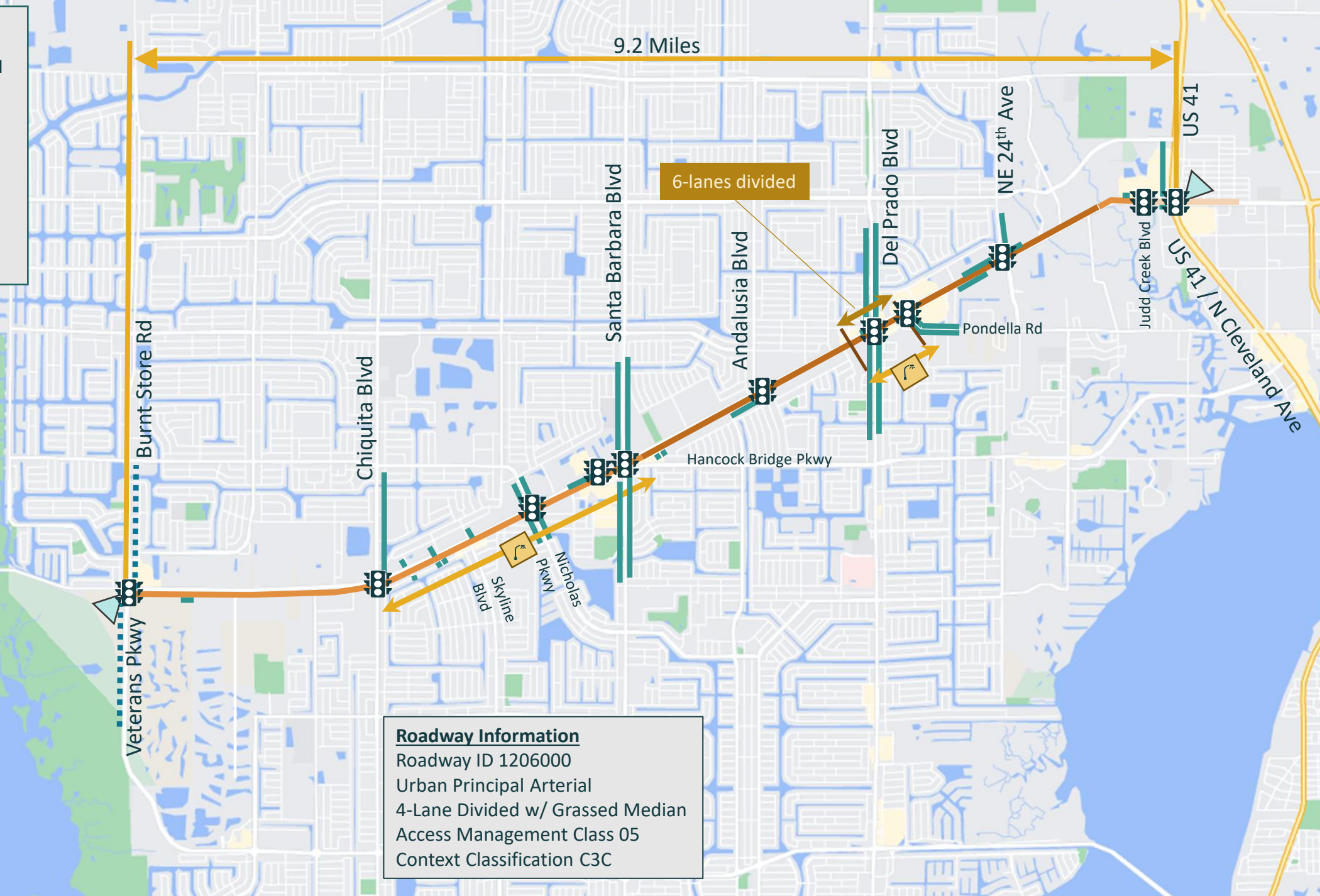
Roadway ID 1206000

Urban Principal Arterial

4-Lane Divided w/ Grassed Median


Access Management Class 05


Context Classification C3C

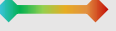


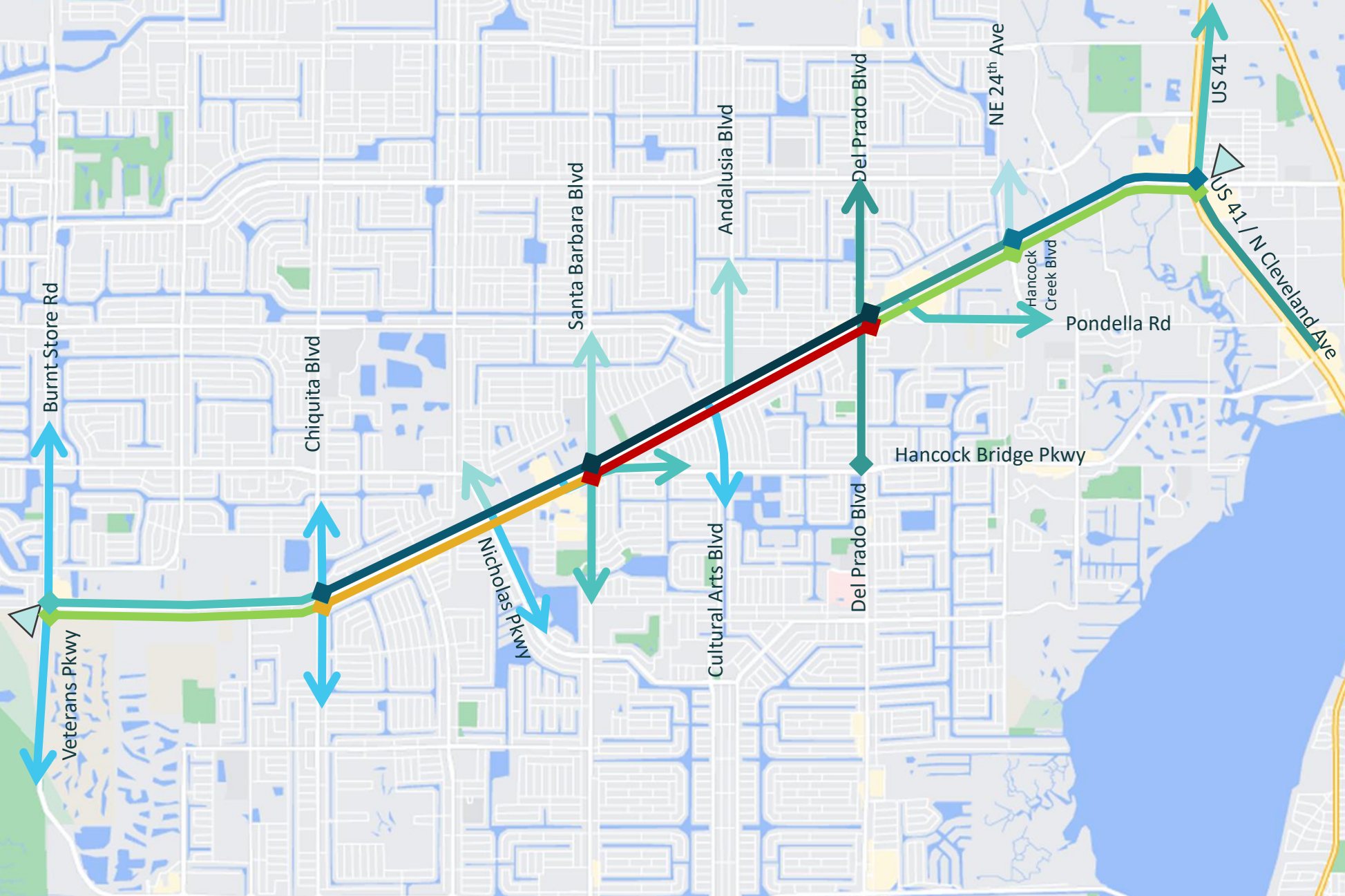


Legend

 Project Limit

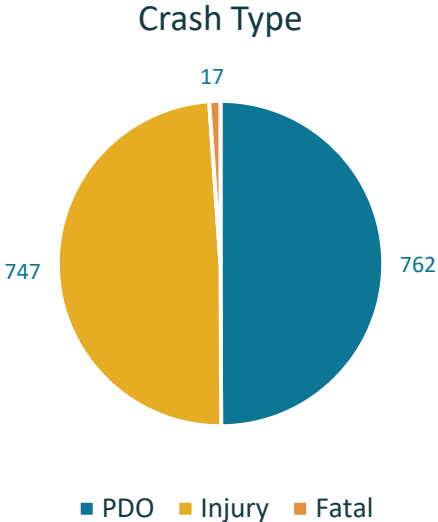
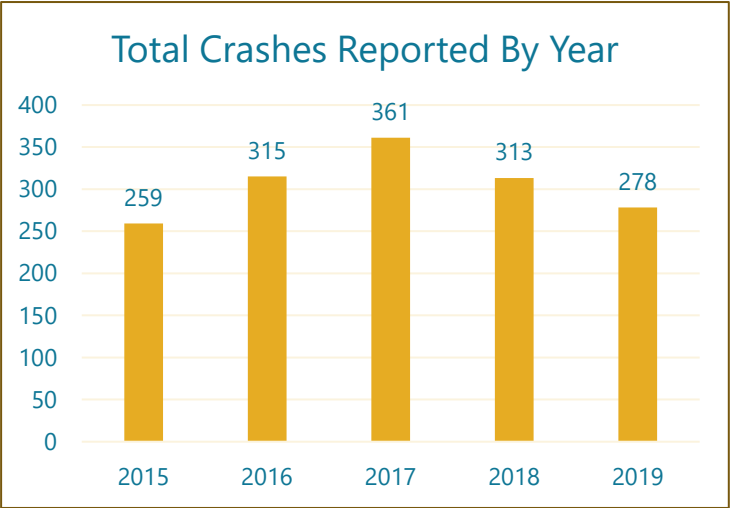
 Daily Volume
(Low to high)

 Daily LOS (A to F)

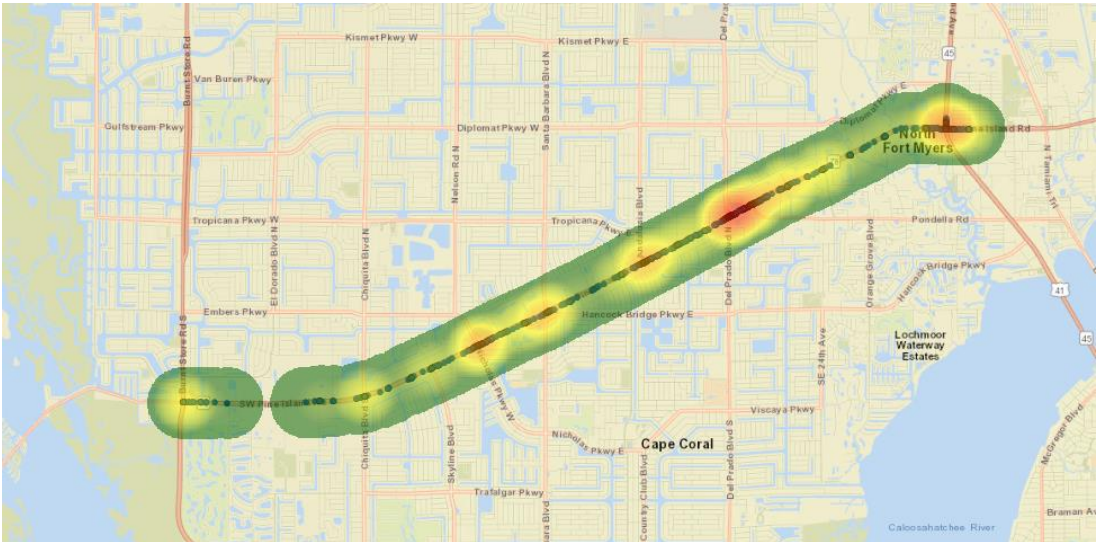
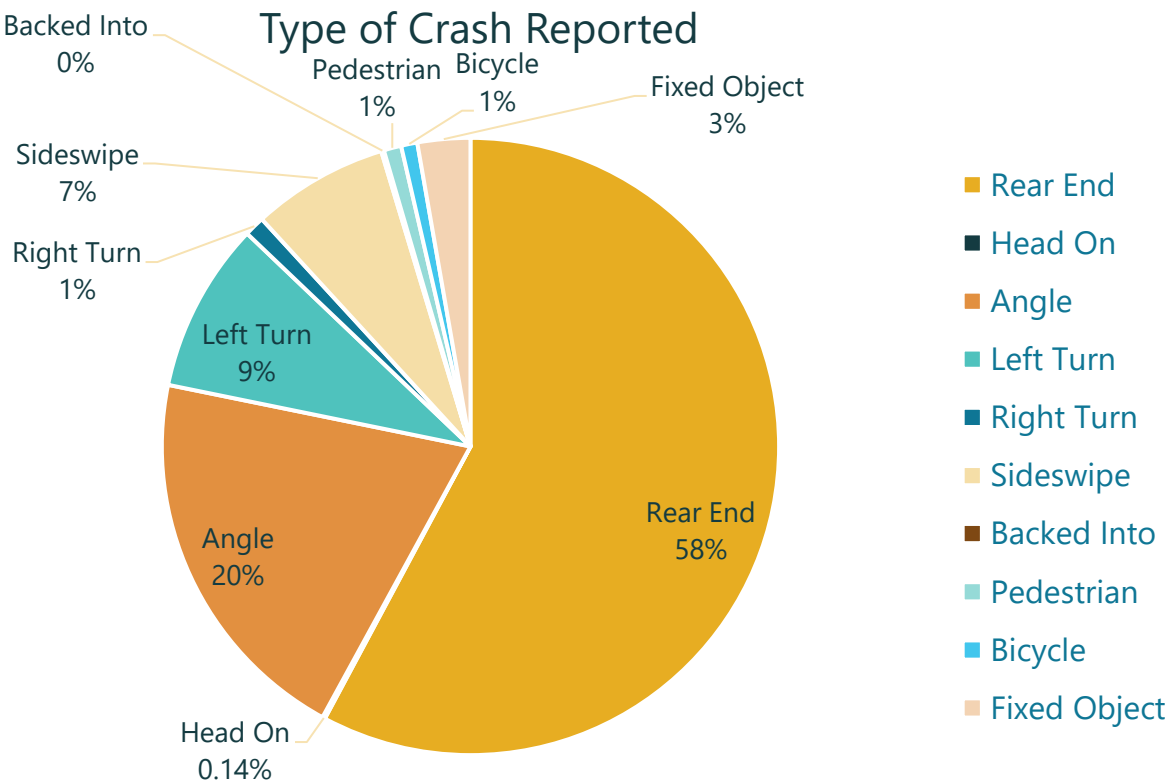


2021 Daily Volumes and LOS

CRASH HISTORY (2015-2019)



2015-2019:
17 Fatal Crashes / 19 Fatalities
747 Injury Crashes / 1,215 Injuries



PUBLIC INPUT

Summary of Public Input



Public Workshops held Sept 2022



1 in-person

1 virtual



MetroQuest Online survey



Launched Sept 14, 2022

Over 225 participants

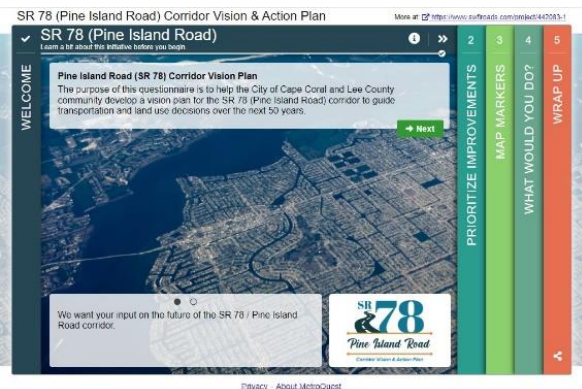
Public Workshops held June 2023



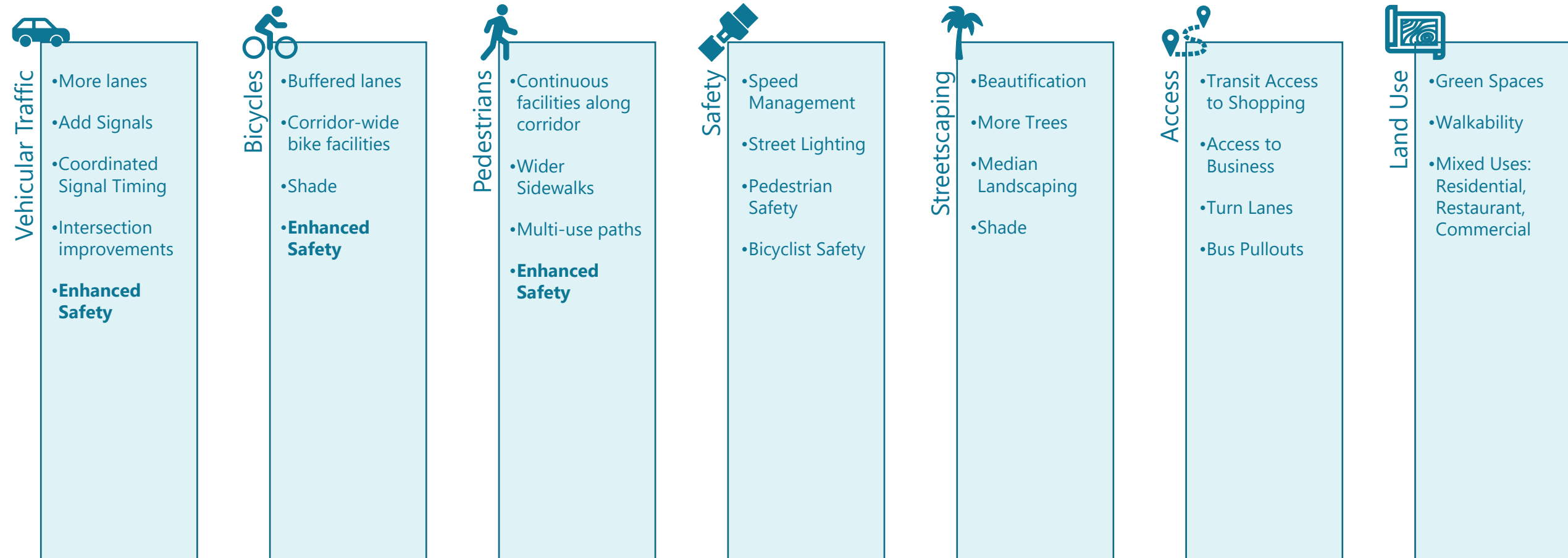
1 in-person

1 virtual

CTAC Meetings: 8/16/23; 5/17/23; 2/15/23



KEY TAKE-AWAYS FROM PUBLIC INPUT



CORRIDOR VISION

CORRIDOR VISION PLAN



Enhance **SAFETY FOR ALL**



Reduce Congestion



Improve Multimodal Connectivity



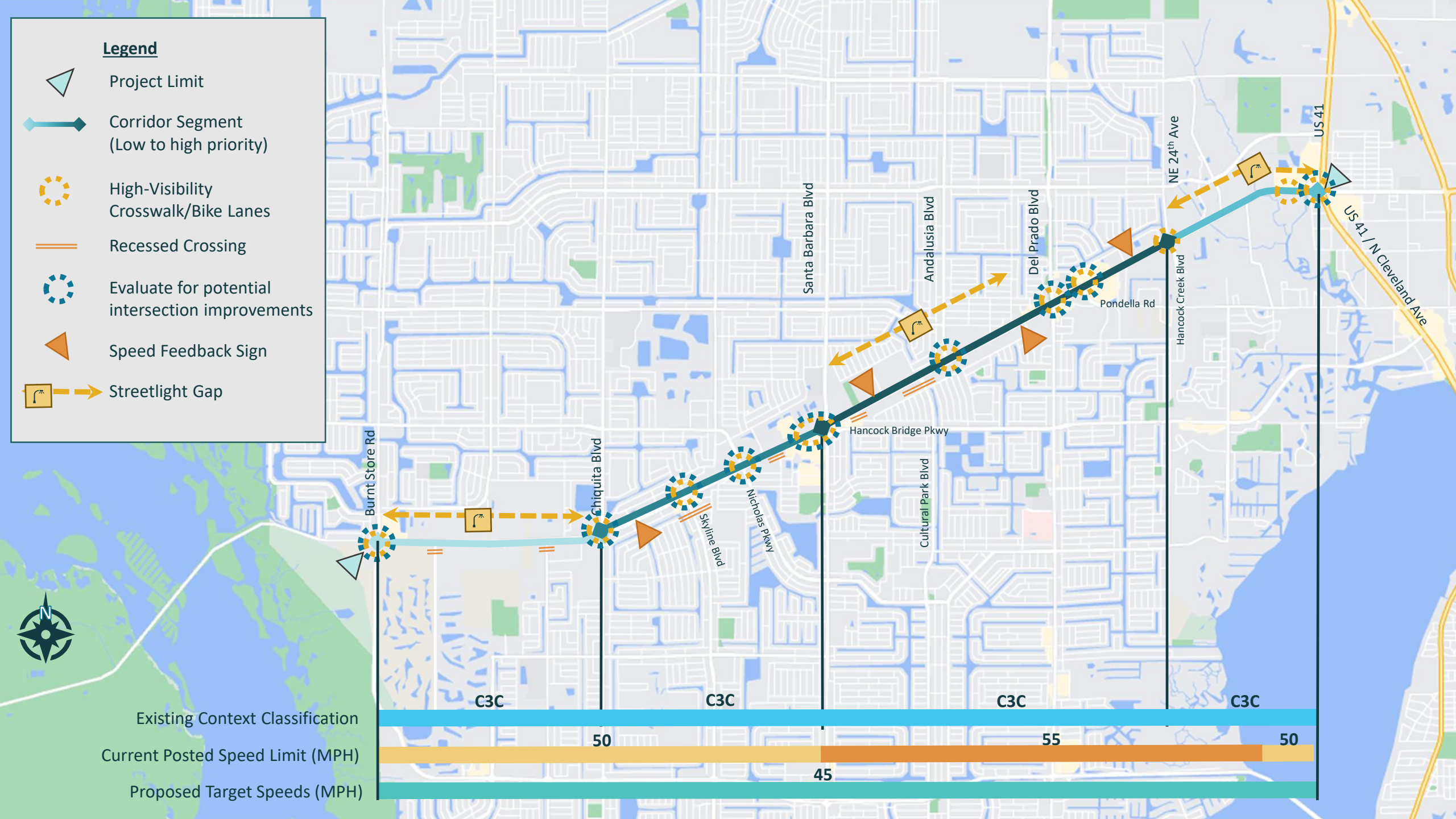
Expand Transit Access



Enrich Corridor Character

Legend

-  Project Limit
-  Corridor Segment (Low to high priority)
-  High-Visibility Crosswalk/Bike Lanes
-  Recessed Crossing
-  Evaluate for potential intersection improvements
-  Speed Feedback Sign
-  Streetlight Gap



MENU OF STRATEGIES



SAFETY

- Visibility
- Speed Management
- Reduce Crashes
- Refuge Islands
- Recessed Crossings
- Reduced Corner Radii
- Protected Intersections
- Roundabouts



CONGESTION

- Added Travel Lanes
- Optimized Signal Timing
- Smart technologies
- Alternative intersections
- Access Management



MULTIMODAL

- Access to Destinations
- Buffered Bike Lanes
- Sidewalks
- Multi-use Paths
- Midblock Crossings



TRANSIT

- On-Demand Services
- Bus Stop Amenities
- Bus Turnouts



CHARACTER

- Gateways
- Landscaping
- Wayfinding



Pine Island Road

Corridor Vision & Action Plan



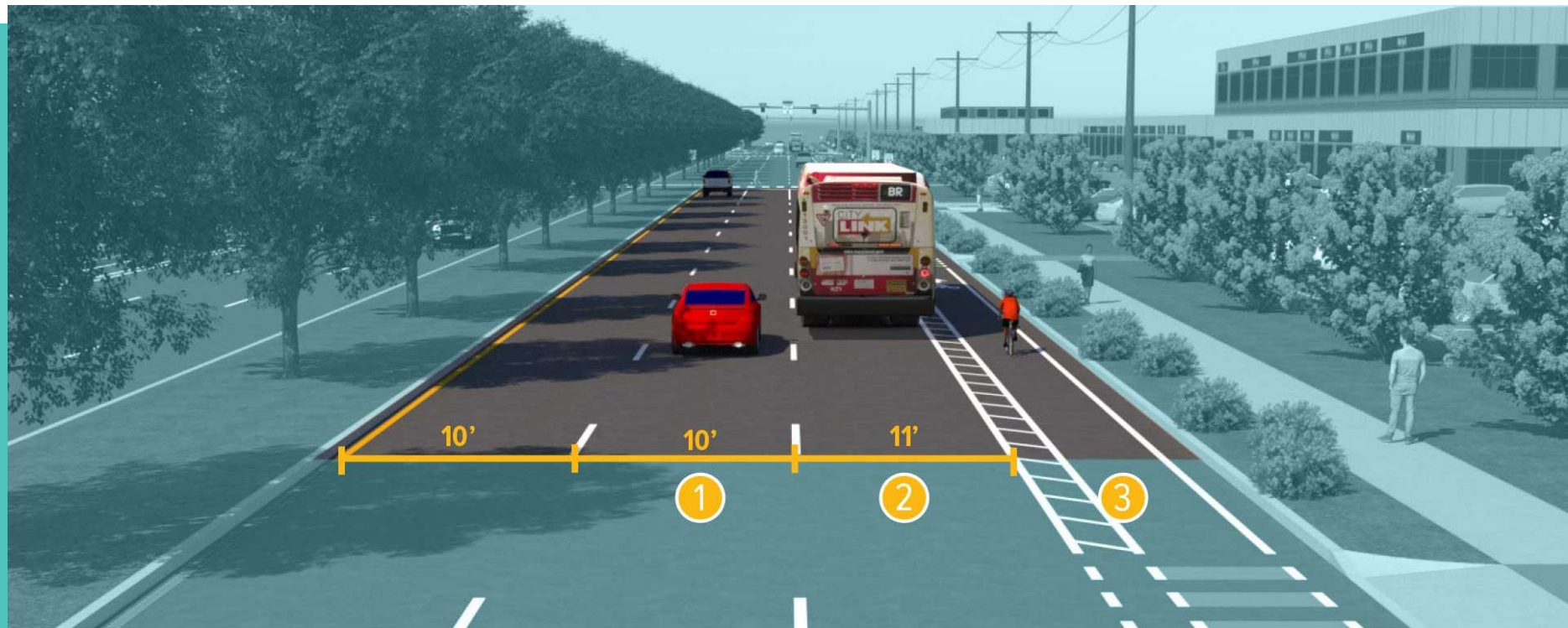
ENHANCE SAFETY



VEHICLE SPEED MANAGEMENT

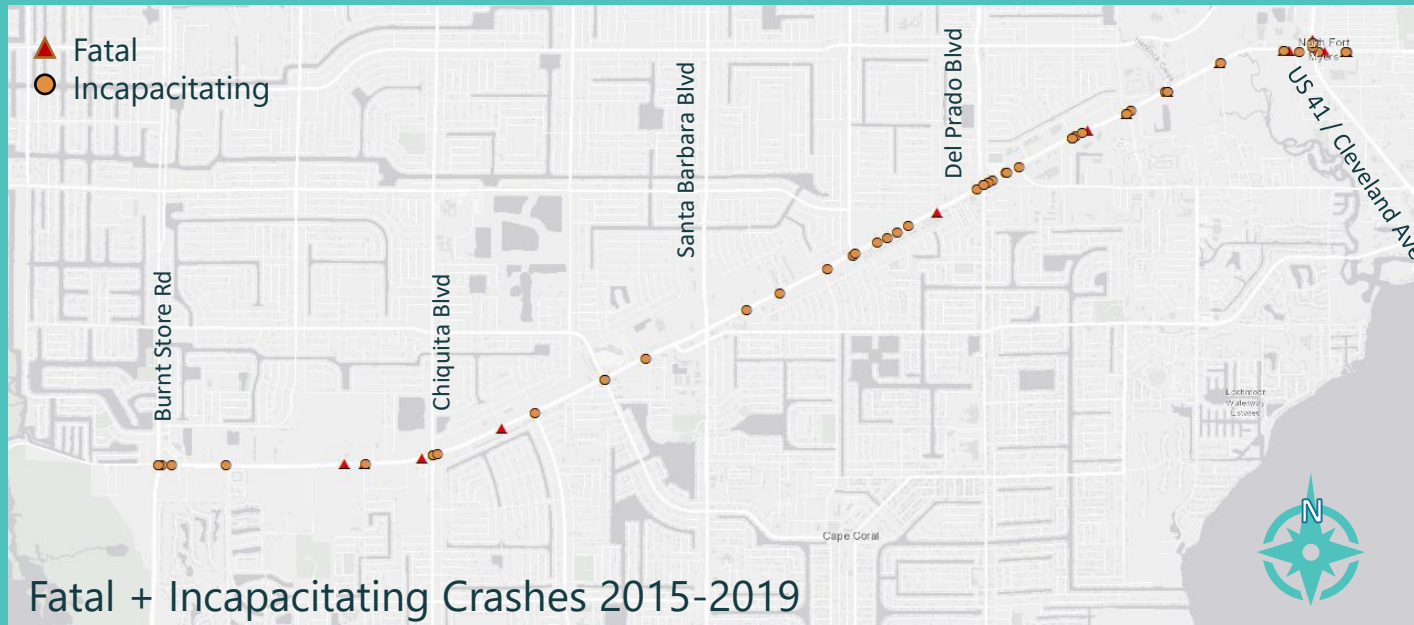
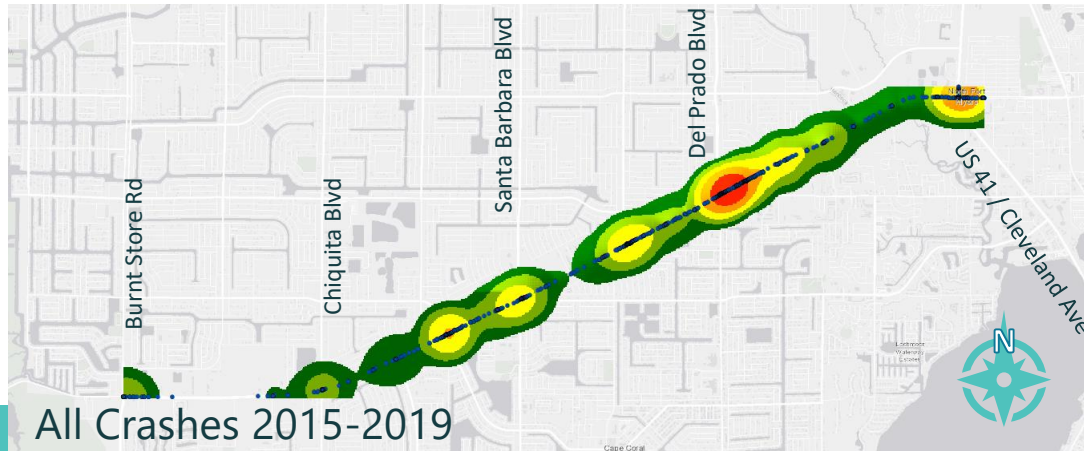


- Set target speed of 45 mph
- Speed-feedback signs
- Lane narrowing
- Landscaping elements
- Increased signal density



REDUCE FATAL/INCAPACITATING CRASHES

Identify high crash locations and evaluate potential safety countermeasures

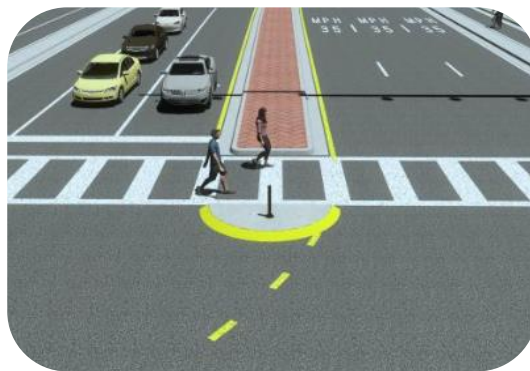




ENHANCE SAFETY



Streetlighting
(Visibility)



Refuge islands at
intersections



Protected
intersections



Reduced Corner
Radii



Recessed
Crossings



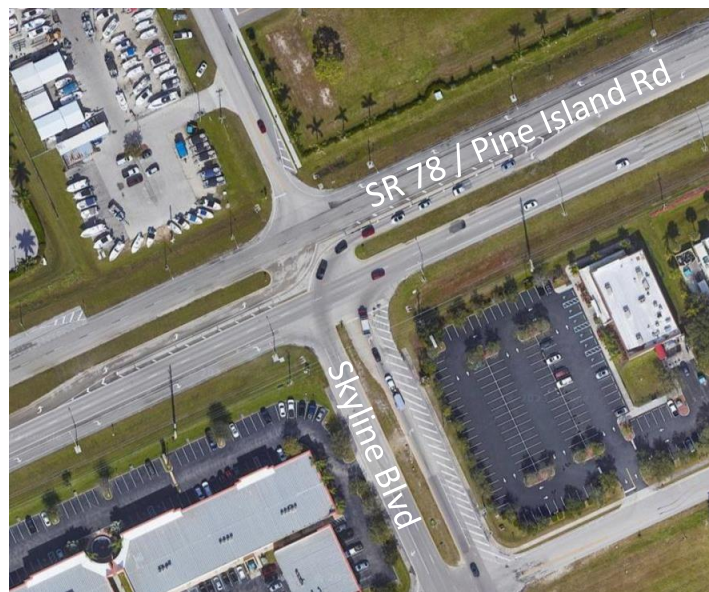
High visibility pedestrian
+ bicycle markings



 **REDUCE CONGESTION**



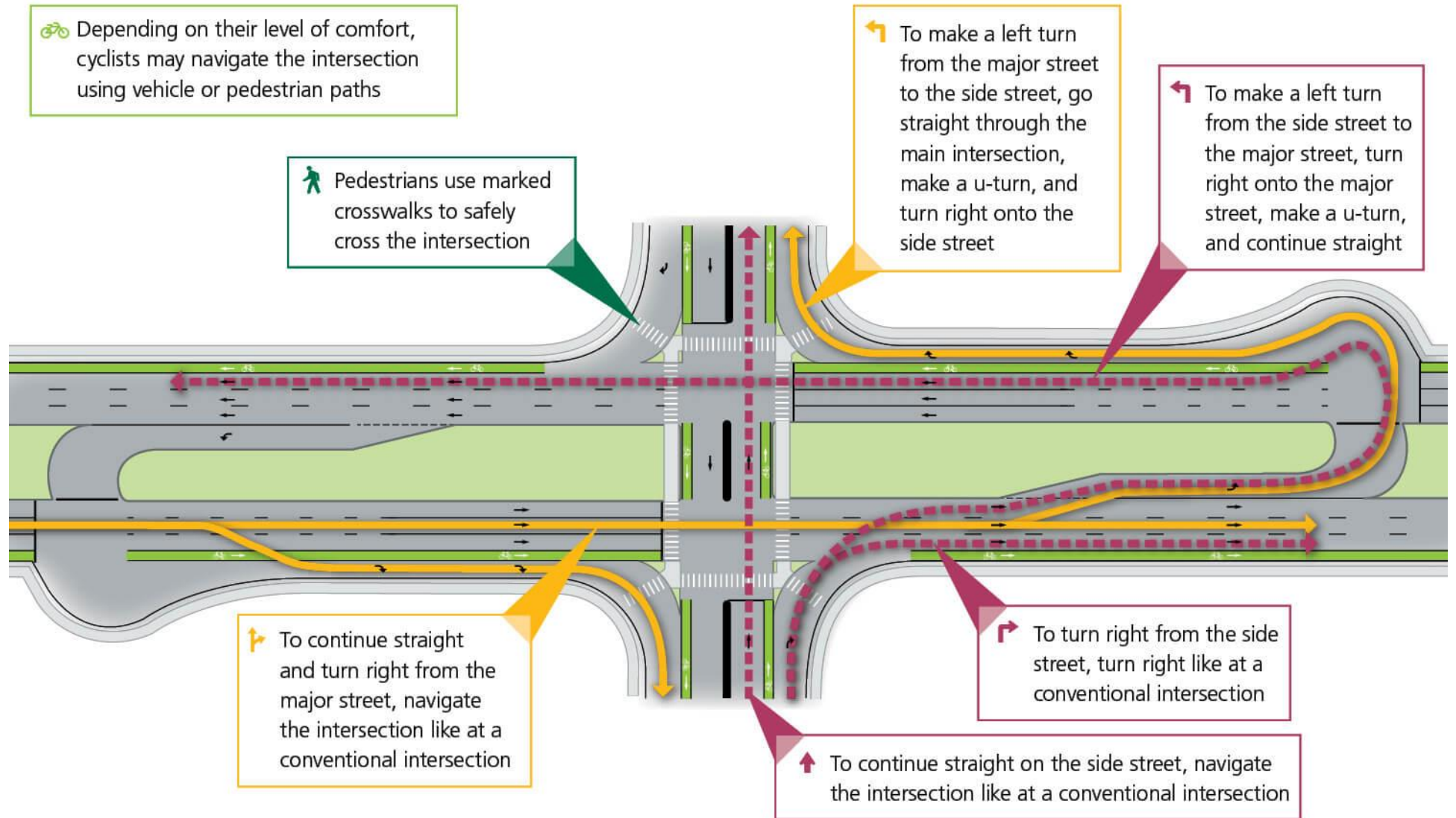
REDUCE CONGESTION



- Additional travel lanes
- Evaluate opportunities to implement new technologies along corridor
- Optimize Signal Timing
- Identify New Signal Locations
- Address bottlenecks along the corridor
- Evaluate intersection improvements that incorporate increased efficiency + enhance safety for non-motorized users
- Congestion Management - Evaluate access management along the corridor

REDUCE CONGESTION

Median U-Turn Intersections



Note: For simplicity, only two directions of traffic are shown. Opposing traffic follows similar routes.



IMPROVE
MULTIMODAL
CONNECTIVITY





MULTIMODAL CONNECTIVITY



Buffered Bicycle
Lanes



Multi-use Path



Sidewalks



Connections between non-
motorized facilities & adjacent
businesses



Signalized Mid-
block Crossings



IMPROVE TRANSIT ACCESS



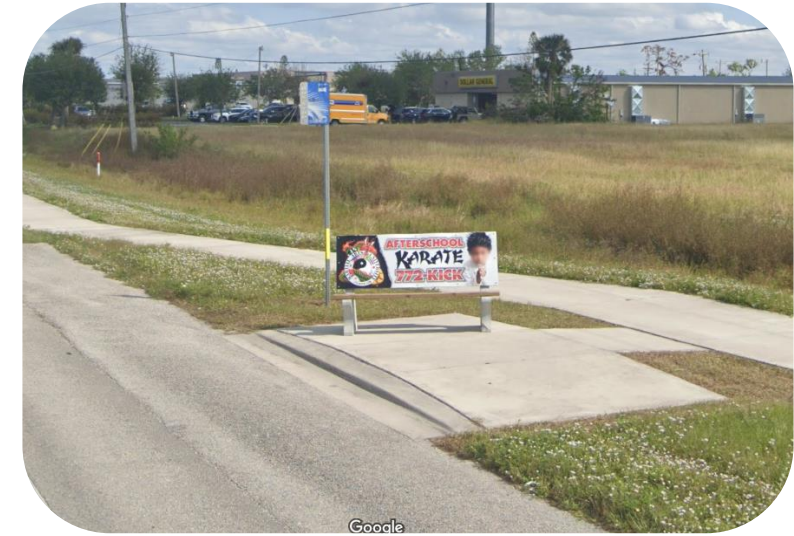


TRANSIT ACCESS

On Demand Transit Services



Bus Pullouts & Shelters



Accessible Transit Stops



ENRICH CORRIDOR CHARACTER



ENRICH CHARACTER

Gateways



Landscaping



Wayfinding Signage



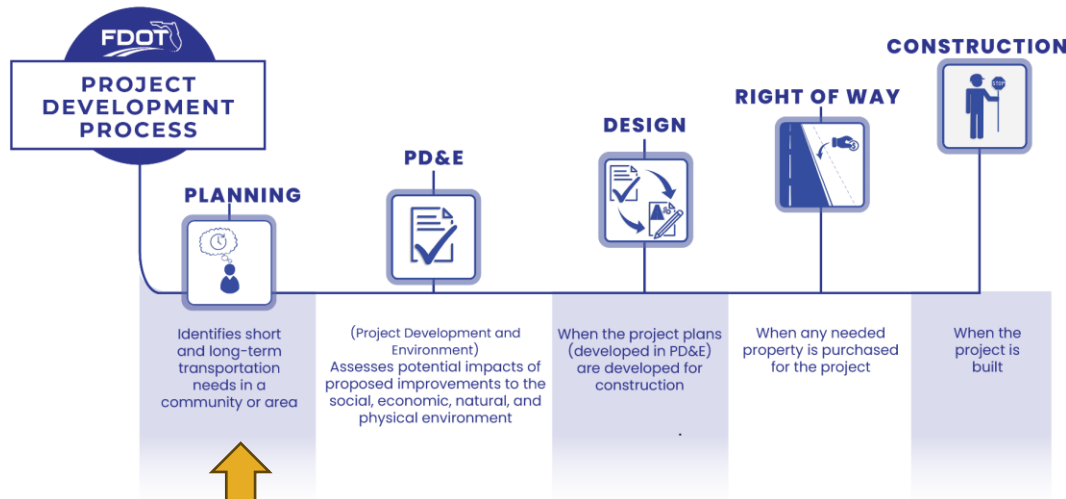


Next Steps

NEXT STEPS

Project Goals

- Develop vision for what future corridor should look like
- Create action plan to realize vision by guiding decisions regarding:
 - Land Use
 - Transportation



We are here

City of Cape Coral:

- CTAC 8/16/2023 response – affirmative w/request for FDOT potentially accelerating completion
- City Council response and Resolution of support?
- Partner with the FDOT D-1
- Partner with the Lee County MPO.