

Executive Summary

Project Information

The Florida Department of Transportation (FDOT) District One is conducting the Sarasota/Manatee US 41 Corridor Mobility and Safety Study (CMASS) for an 11-mile stretch of the US 41 and US 41 Business (US 41B) corridor from University Parkway (City of Sarasota) to 17th Street W (City of Palmetto). The study area is shown in Figure 1. The purpose of the Sarasota/Manatee US 41 CMASS was to develop concepts and implementation strategies to enhance multimodal mobility (specifically transit services and operations), interconnectivity within adjacent neighborhoods, and safety for all users along the US 41/US 41 Business corridor.

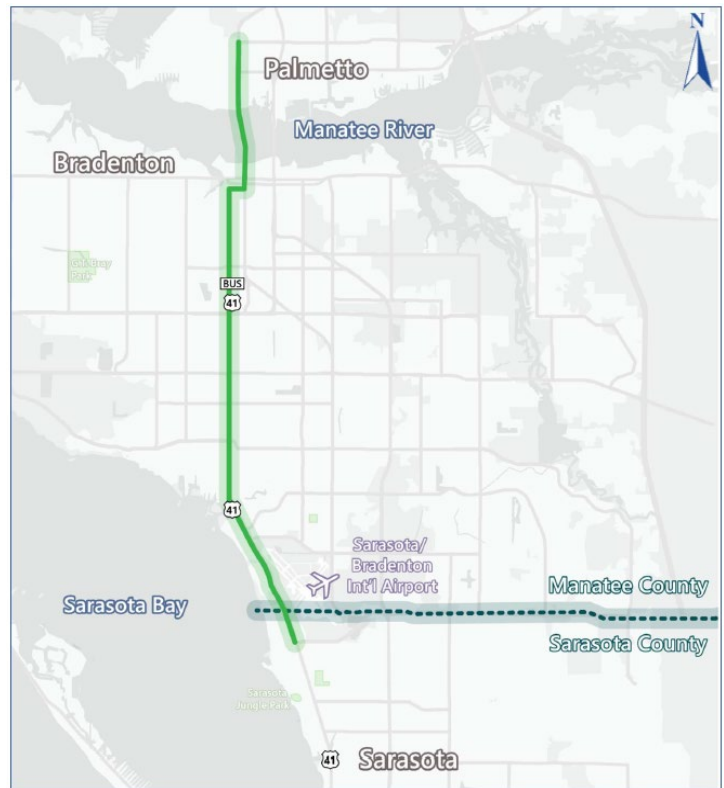


Figure 1: US 41 CMASS Project Location Map

Recommendations

Corridor wide recommendations include:

- Crosswalk Markings
- Roadway and Intersection/Crosswalk Lighting
- Signage
- Flashing Yellow Arrow
- Bus Stop Siting
- Right-Turn-on-Red Restrictions
- Driveway Consolidation
- Innovative Intersection Designs
- Bikeway Selection
- Speed Management
- Signal Timing and Spacing
- Enhance Existing Raised Median Islands with Designated Crosswalks and Traffic Control
- Safe Transportation for Every Pedestrian (STEP)
 - Rectangular Rapid-Flashing Beacons (RRFB)
 - Leading Pedestrian Intervals (LPI)
 - Crosswalk Visibility Enhancements
 - Raised Crosswalks
 - Pedestrian Crossing/Refuge Islands
 - Pedestrian Hybrid Beacons (PHB)
 - Lane Repurposing
- Fill Bike Lane Gaps Along US 41 in Both Directions
- Construct Planned Multi-Use Trails: Bayshore Treewalk to Sarasota Bay Trail Corridor And University Parkway – Sarasota Bay Trail

Next Steps

Some of the corridors require further development and evaluation to determine how to implement the proposed improvement strategies. Roadway segments that need further corridor wide evaluation include:

- Evaluate lane repurposing of US 41/N Tamiami Trail from Edwards Drive to Pearl Avenue
 - Lane repurposing from 6 to 4 lanes
- Evaluate safety improvements on US 41/14th Street W from Cortez Road to 26th Avenue
- Evaluate lane repurposing of US 41B/Tamiami Trail/14th Street W from 26th Avenue W to 8th Avenue W
 - Lane repurposing to a 3-lane section
 - Mid-block crossings
 - Sidewalk network connectivity
 - Traffic calming measures
 - Curb ramp improvements/Curb radii reduction
 - Detectable warning additions
 - Pavement marking improvements
 - Signal repairs/Pedestrian push button improvements
 - Wayfinding signage
 - Stormwater improvements
 - Lighting improvements to support pedestrians
 - Driveway modifications
 - Signal coordination
- Evaluate safety improvements on US 41B/9th Street from 8th Avenue W to Green Bridge
- Update Arterial Safety Report completed in Feb 2018 for US 41B/8th Avenue W from Green Bridge to 17th Street W
 - Enhance existing crosswalk markings at intersection to high visibility ladder style
 - Evaluate intersection and crosswalk lighting levels
 - Evaluate opportunities to close sidewalk gap to Palmetto High School
 - Enhance existing crossings near Palmetto High School
 - Evaluate feasibility of installing a raised median island prior to NB left-turn lane
 - Consider reducing travel lane widths to provide buffered bicycle lanes along 17th Street W and east of US 41B/8th Avenue W

A public outreach campaign may be conducted to obtain public input on the potential improvement strategies and to help with prioritizing them based on the local community's wants and needs.