

Measuring Performance Objectives

New federal legislation mandates measuring transportation performance.

Moving Ahead for Progress in the 21st Century Act (MAP-21)

- Signed into law on July 6, 2012
- A streamlined and performance-based surface transportation program that builds on preexisting highway, transit, bike, and pedestrian programs and policies established in 1991
- Mandates that states set performance targets in support of the **performance measures** within one year of the USDOT final rule on performance measures

Fixing America's Surface Transportation (FAST) Act

- Signed into law on December 4, 2015
- Federal transportation legislation emphasizing performance based metrics
- Establishment of **targets** to guide future transportation investments
- Additional emphasis on freight, tourism, and resiliency

Each Metropolitan Planning Organization (MPO) is required to implement the following



Following the FDOT's designation of targets for the performance measures, the Sarasota/Manatee MPO will have 180 days to develop targets for the two-county planning area.

Source: Florida Department of Transportation 2016 Performance Measures Report

Invest resources in projects to achieve individual targets that collectively will make progress toward national goals.



Sarasota/Manatee 2040 Long Range Transportation Plan

To develop a future transportation plan, through cooperation with our member governments and the public, for a safe, efficient, financially feasible, environmentally sensitive, regional, integrated multi-modal transportation system that supports sustainable, livable communities and economic development.

Measuring Performance in Florida

State Baseline Statistics



Safety and Security

Improve the safety and security of the transportation system for all users.

PERFORMANCE \ SAFETY \ Fatalities and Serious Injuries

Fatalities and Serious Injuries continue to increase.

Between 2014 and 2015 fatalities increased 17.8% and serious injuries by 3.1%



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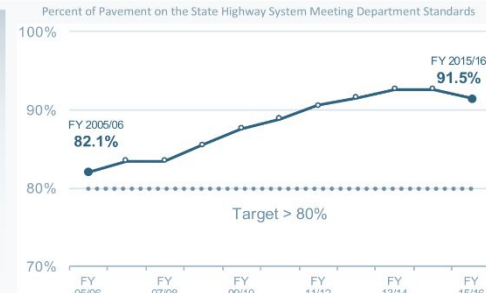
Infrastructure Condition

Improve management, operations, and coordination to promote efficient transportation system locally and regionally.

PERFORMANCE \ PRESERVATION \ Pavement

State Highway System pavements are in good shape with 91.5% meeting standards.

Florida invests extensively in its transportation system. Regular maintenance keeps these assets operating effectively and lasting longer.



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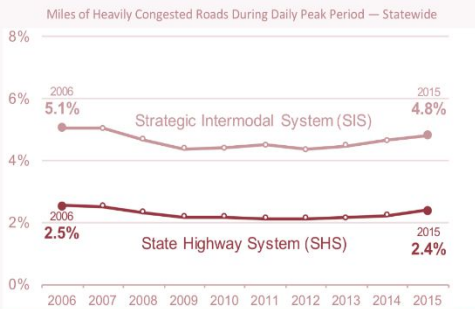
Mobility/Congestion/Reliability

Promote economic vitality and viability through regional coordination of intermodal system and significantly reduce congestion.

PERFORMANCE \ MOBILITY \ Utilization – Congestion

The percentage of heavily congested roads has been fairly level over the past decade.

Recent increases speak to the importance of increasing system capacity, improving operating efficiency, and providing transportation choices.



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Freight and Economic Vitality

Improve freight movement and support economic development.

PERFORMANCE \ ECONOMY \ Return On Investment

Every \$1 invested through FDOT's Work Program yields about \$4.40 in economic benefits.

Investment in transportation infrastructure produces substantial benefits.

Benefit-Cost Summary of FDOT Work Program

BENEFITS	
Personal Income Benefits	\$76.00
Non-Business User Benefits	\$65.70
Total Benefits	\$141.70
COSTS	
Total Costs	\$32.10
Benefit-Cost Ratio	\$4.40

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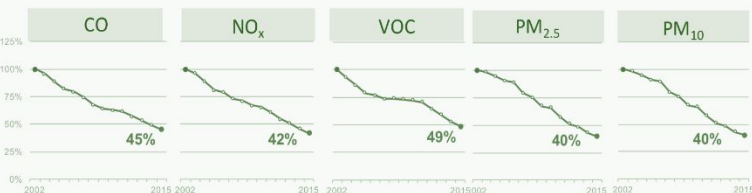
Environment and Livability

Improve environmental sustainability and community livability in coordination with local government comprehensive plans. Maintain and improve environment and socio-cultural areas. Increase accessibility, mobility, and connectivity.

PERFORMANCE \ ENVIRONMENT \ Air Quality

Emissions have steadily decreased between 2002 and 2015

Cleaner vehicles and other factors have resulted in improved air quality demonstrating responsible stewardship for the environment.



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Project Delivery

Reduce project costs by allocating funds to projects that enhance regional mobility, continuing to support multimodal accessibility and congestion management.

PERFORMANCE \ ECONOMY \ Projects Completed On-Time

FDOT again surpassed its 80% target for construction projects completed on-time.

On time project completion saves time and money for everyone and helps stretch the transportation dollar as far as possible.



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Sarasota/Manatee Metropolitan Planning Organization

7632 15th Street East, Sarasota, FL 34243
| 941-359-5772 |

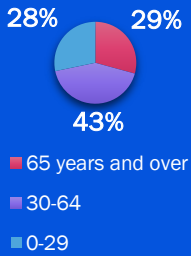
mympo@mympo.com | www.mympo.com



1 in 3
crashes include an older adult in Sarasota and Manatee counties.

Source: FIRES/DHSMV GIS databases

Sarasota/Manatee Population by Age



Source: U.S. Census Bureau, 2010-2015 ACS 5-Year Estimates

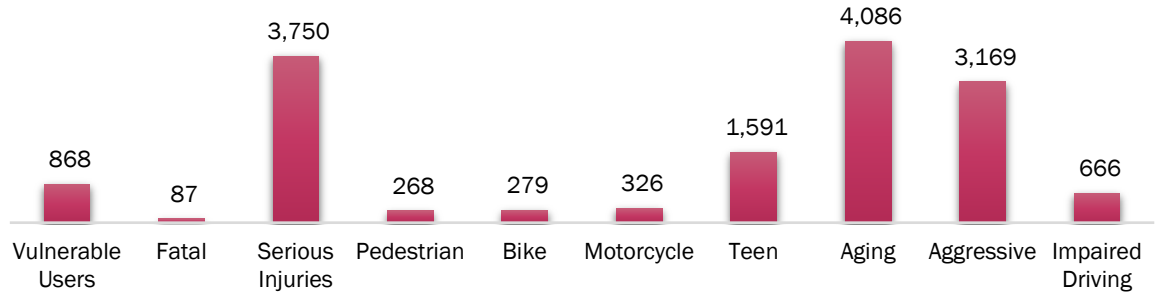
Federal Highway Administration Map-21/ FAST Act

Significant reduction in traffic fatalities and serious injuries on all public roads.

Sarasota/Manatee 2040 Long Range Transportation Plan

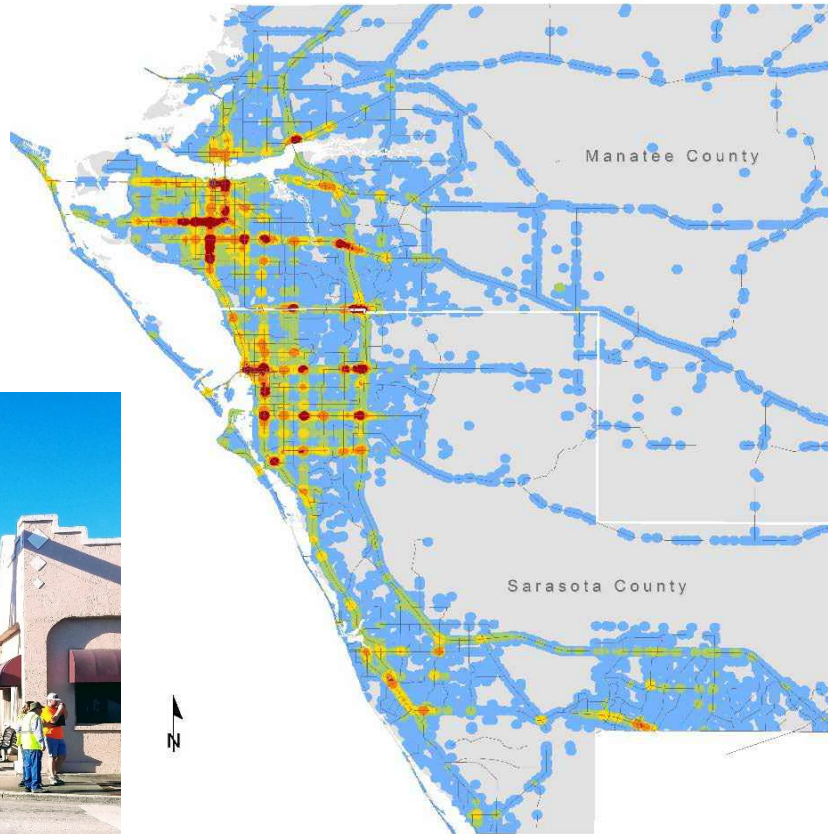
Improve the safety and security of the transportation system for all users.

Characteristics of Annual Average Crashes in Sarasota/Manatee (2010-2015)*



Source: FIRES/DHSMV GIS databases
*Crashes may involve more than one characteristic

13,946 is the annual rolling average of crashes from 2010-2015.



All Crash Distribution (2010-2015)



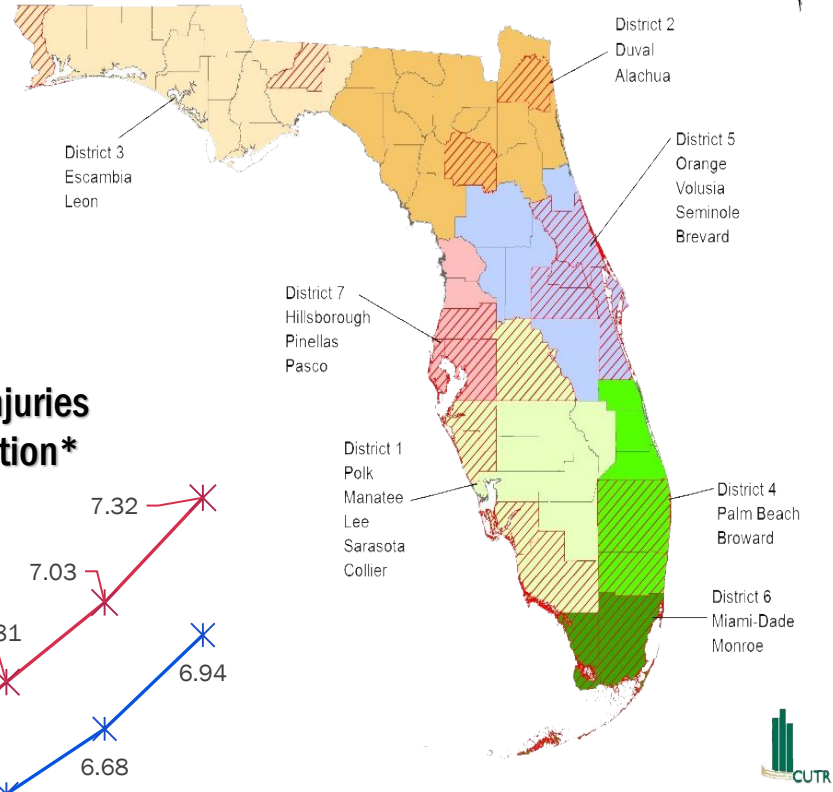
Crash data for years 2010-2015 from FIRES/DHSMV databases



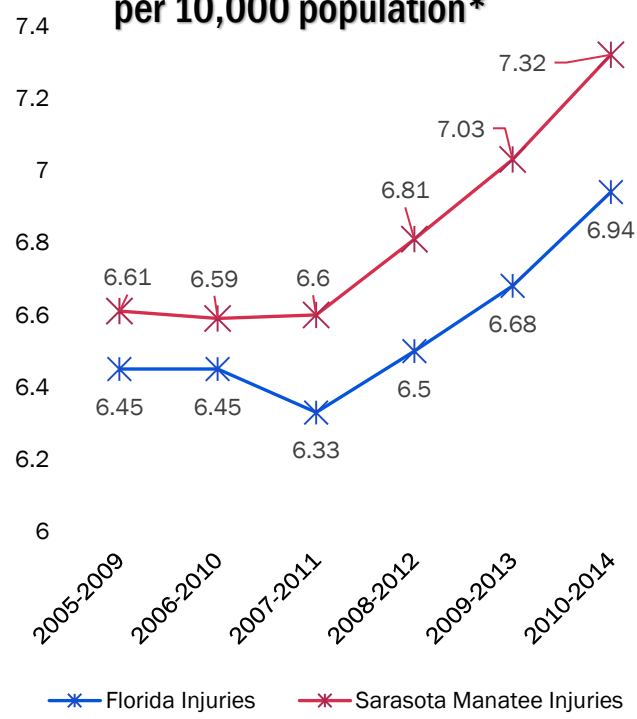


2016 Pedestrian and Bicycle Focused Initiative

Top 20 High Priority Counties



Rate of Bike/Ped Injuries per 10,000 population*



Source: DHSMV Traffic Crash Facts Annual Reports
*Rate of incidences based on the 2010 population

Sarasota/Manatee is **above** Florida average for non-motorized injuries

According to Dangerous by Design: Top 10 Most Dangerous Metro Areas for Walking in the United States

1. Cape Coral-Fort Myers, FL
2. Palm Bay-Melbourne-Titusville, FL
3. Orlando-Kissimmee-Sanford, FL
4. Jacksonville, FL
5. Deltona-Daytona Bch-Ormond Bch, FL
6. Lakeland-Winter Haven, FL
7. Tampa-St. Petersburg-Clearwater, FL
8. Jackson, MS
9. Memphis, TN-MS-AR
10. North Port-Sarasota-Bradenton, FL

Source: [Dangerous by Design 2016](#)

On average, **20** people die every year in Sarasota and Manatee counties in bicycle and pedestrian crashes.

Source: Signal 4 Analytics, 2005-2014



Map Links:

- [Sarasota Evacuation Route](#)
- [Manatee Evacuation Route](#)

- [SMMPO Bike/Ped Crash Distribution](#)
- [SMMPO Fatal/Incapacitating Crash Distribution](#)



Environment and Livability

Federal Highway Administration Map-21/ FAST Act

Enhance performance of the system while protecting and enhancing the natural environment.

Sarasota/Manatee 2040 Long Range Transportation Plan

Improve environmental sustainability and community livability in coordination with local government comprehensive plans.

According to the Florida Behavioral Risk Factor Surveillance System (BRFSS) Survey taken in 2013, **13%** of adults in Manatee County and **13.5%** of adults in Sarasota County had been told they had coronary heart disease, heart attack, or stroke.

In Manatee County,

- 9.9% of adults have diabetes
- 5.9% of adults have pre-diabetes
- 32.7% of adults have hypertension
- 36.2% of adults who have a healthy weight
- 22.6% of adults who are sedentary
- 56.9% of adults meet aerobic recommendations
- 97% of adults who always or almost always wear a seatbelt
- 78.3% of adults said their overall health was good to excellent

Source: [2013 Florida BRFSS Data: Manatee County](#)

In Sarasota County,

- 10.3% of adults have diabetes
- 7.8% of adults have pre-diabetes
- 37.5% of adults have hypertension
- 40.6% of adults who have a healthy weight
- 22.9% of adults who are sedentary
- 58.5% of adults meet aerobic recommendations
- 95.1% of adults who always or almost always wear a seatbelt
- 81.1% of adults said their overall health was good to excellent

Source: [2013 Florida BRFSS Data: Sarasota County](#)

Population

Florida	Manatee County	Sarasota County
19,645,772	343,729	392,038

Source: [2010-2015 American Community Survey 5-Year Estimates](#)

Percentage of Children under 18 living in Poverty	Percentage of Children Eligible for Free/Reduced Price Lunch
Florida 23%	Florida: 58%
Manatee County 24%	Manatee County: 62%
Sarasota County 18%	Sarasota County: 50%
	Percentage of People with Food Insecurity
	Florida: 16%
	Manatee County: 48,210 (14%)
	Sarasota County: 54,380 (14%)

Source: [2017 Sarasota County Overall Outcomes](#); [2017 Manatee County Overall Outcomes](#)



Environment and Livability

Public transportation can reduce congestion on our roadways, reduce CO2 emissions, and increase accessibility to where we live, work, and play.

100%
of Sarasota Bay waters meet state water quality standards for nutrient pollution, according to the Sarasota Bay Estuary Program.

Source: [Sarasota Bay Estuary Program](#)



Public Transportation Ridership

Transit Service	Fiscal Year	Passenger Trips	Revenue Miles
Manatee County Area Transit	2015	1,760,490	1,345,968
Sarasota County Area Transit	2015	2,742,108	3,257,479

Coastal Habitats and Wetlands Restoration

The Sarasota Bay Estuary Program has restored and enhanced **1,650 acres** of wetlands; and created **30** new ecological parks.

167,090 acres

of County, State, and Federal preserved and conserved lands in the two-county region.

Source: [Florida Natural Areas Inventory, 2014](#)

Flood Vulnerability Overview

County	Square miles in FEMA flood hazard area (2011)	Housing Units in FEMA flood hazard area (2011)	People in FEMA flood hazard area (2011)
Manatee	231.25 sq. mi. (27.37%)	43,673	65,274
Sarasota	129.59 sq. mi. (21.07%)	58,182	74,169

You can find over **25** Farmers Markets throughout Manatee and Sarasota counties.

90 Distinct species, ranging from plants to mammals, are found in the Sarasota/Manatee region.



[Sarasota County Natural Lands](#)
[Sarasota Bay Estuary Program](#)
[2013 Florida BRFSS Data: Manatee County](#)
[2013 Florida BRFSS Data: Sarasota County](#)
[Florida Natural Areas Inventory Sarasota County](#)
[Florida Natural Areas Inventory Manatee County](#)
[Sarasota/Manatee MPO 2040 LRTP Environmentally Protected Areas](#)



Federal Highway Administration Map-21/ FAST Act

Increase the accessibility and mobility of people and significantly reduce congestion.

Sarasota/Manatee 2040 Long Range Transportation Plan

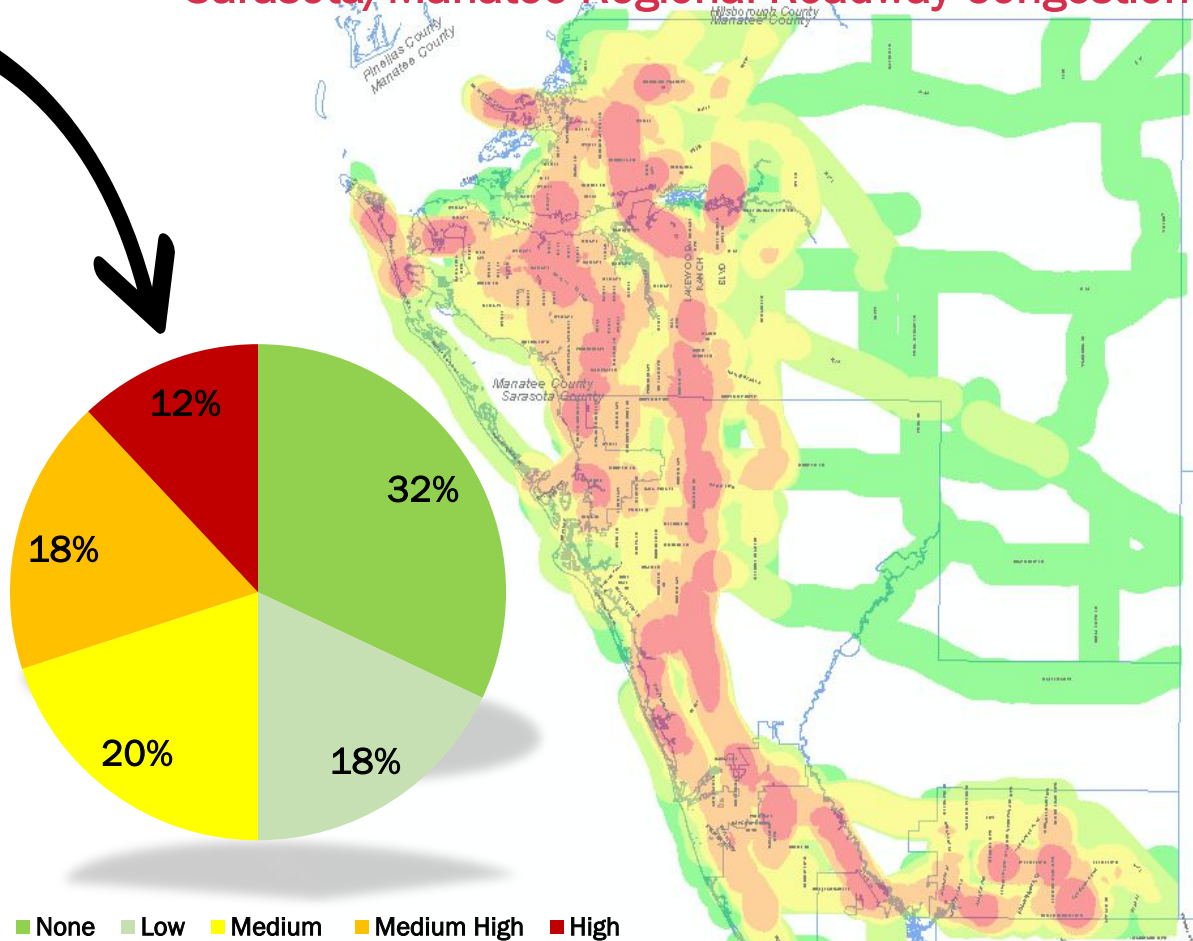
Promote economic vitality and viability through regional coordination of intermodal system and significantly reduce congestion.

12%

of roadways in Sarasota and Manatee counties are projected to experience high congestion by the year 2040.

Congestion is considered an excess of vehicles on a portion of roadway resulting in speeds that are slower sometimes much slower-- than normal free flow speeds. Congestion often means stopped or stop-and-go traffic.

Sarasota/Manatee Regional Roadway Congestion



Source: Sarasota/Manatee MPO 2040 LRTP Travel Forecast Model

Sarasota/Manatee Regional ATMS Corridors

Advanced Traffic Management System (ATMS) integrates technology to reduce traffic jams, coordinate traffic signals, keep buses on schedule, improve reliability, and manage parking more efficiently.

Priority Advanced Traffic Management System (ATMS) Corridors

US 301	US 41	University Pkwy	SR 64	SR 70	Cortez Rd	Fruitville Rd	Clark Rd	Bee Ridge Rd	River Rd	Lockwood Ridge Rd
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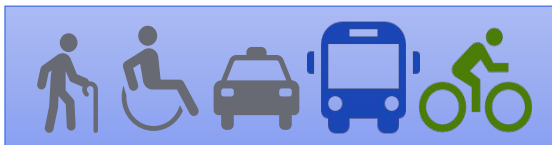
Source: U.S. Department of Transportation Federal Highway Administration



Complete Streets Design

Complete Streets make it safer and more enjoyable to walk and bike for all users including, children, seniors, and persons with disabilities.

Source: U.S. Department of Transportation Federal Highway Administration



Whether you are driving, walking, or bicycling, this proven safety application is considered a high reward, low cost "Best practice" and increases local economy and mobility by creating clear walking paths and infusing our Sarasota/Manatee cultural context in walkways, roadways, and bicycle lanes.

Source: [Florida Department of Transportation & Smart Growth America Complete Streets Implementation Plan, 2015](#)

[Florida Department of Transportation & Smart Growth America Complete Streets Implementation Plan, 2015](#)
[CMP 2014 State of the System Final Report](#)
[2040 Sarasota/Manatee Regional Projected Congestion](#)
[2010 Sarasota/Manatee MPO Regional Congestion](#)
[Sarasota/Manatee MPO Congested Roadways](#)



Manatee County Area Transit (MCAT) 2015 Annual Profile

23

Vehicles Operated in Maximum Service

1,345,968

Revenue Miles

1,760,490

Passenger Trips

Hours of Operation

Sun. ☐ Sat. 6:00AM ☐10:30PM

Sarasota County Area Transit (SCAT) 2015 Annual Profile

53

Vehicles Operated in Maximum Service

3,257,479

Revenue Miles

2,742,108

Passenger Trips

Hours of Operation

Sun. ☐ Sat. 4:35AM ☐10:45PM

Increase non-motorized modes of transportation

Decrease mobile-source emissions

Ensures Sarasota/Manatee maintains compliance with current air quality standards.



Freight and Economic Vitality

Federal Highway Administration Map-21/ FAST Act

To improve national freight network, strengthen rural communities access to national and international trade markets, support regional economic development.

Sarasota/Manatee 2040 Long Range Transportation Plan

Improve accessibility and multimodal connectivity by promoting proximity to jobs and efficient movement of freight and goods.

Sea



Port Manatee

- Imports natural gas, fruits/vegetables, granite, petroleum products, and salt.
- Exports fertilizer, petroleum projects, juice NCF, linerboard, and scrap material.

Truck



I-75

- I-75 has truck volumes ranging from 9% south of Laurel Road in Sarasota County to 15% north of the I-275 interchange in Manatee County.
- Other freight corridors include US 301, University Parkway, I-275, and US 41

Rail



CSX Railway

- Travels south from Hillsborough County into Manatee County, traveling parallel to the west of US 41 and I-75 and running adjacent to Port Manatee.
- Seminole-Gulf Railway**
 - Short line railway from SR 70 to just north of SR 72.

Air

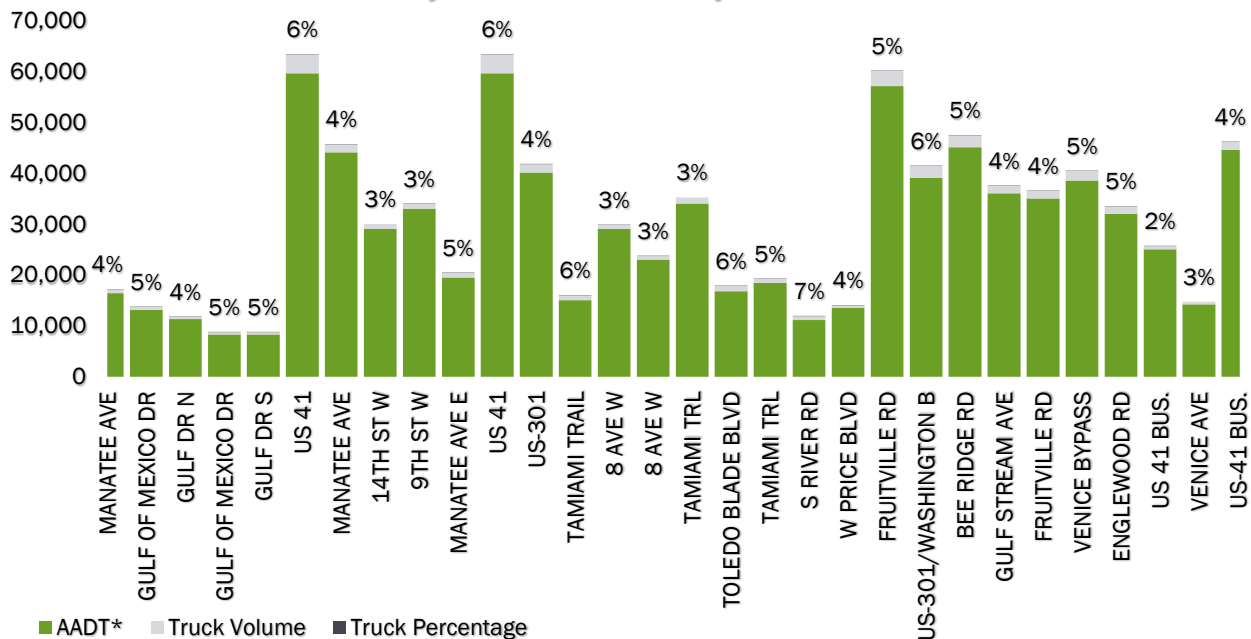


Sarasota-Bradenton Airport

- One of the main facilities tourists use to reach the area for seasonal residency and vacation.
- In 2015, Sarasota-Bradenton International Airport had over 1.2 million passengers pass through the airport which is nearly 2% more than in 2014.

Piney Point Road, west of US 41, is the entrance to Port Manatee and has the highest percentage of truck traffic at 27%.

% of Daily Truck Volumes by Jurisdiction



*AADT = annual average daily traffic

Source: Florida Department of Transportation Online Traffic Data

Freight and Economic Vitality

From 2010 to 2040, the regional population is projected to increase by **41%**



2015 FDOT AADT and Truck Volumes for Regional Bridges

The barrier islands are the region's number one tourist destination and freight generator. Bridges are the only link for tourists, workers, and freight to reach the barrier islands from the mainland.

Barrier Island Bridges Freight Annual Average Daily Traffic (AADT)

Facility	Location	AADT*	Truck Volumes	Truck Percentage
SR 789	Ringling Causeway	35,000	1,319	4%
SR 72	Stickney Point Road Bridge	25,000	770	3%
SR 64	Manatee Avenue Bridge	16,400	707	4%
SR 684	Cortez Road Bridge	15,700	620	4%
SR 758	Siesta Drive Bridge	16,200	588	4%

*AADT = annual average daily traffic

Source: Florida Department of Transportation Online Traffic Data

Top regional private sector employers

Publix

3,316 employees

PGT Industries

1,924 employees

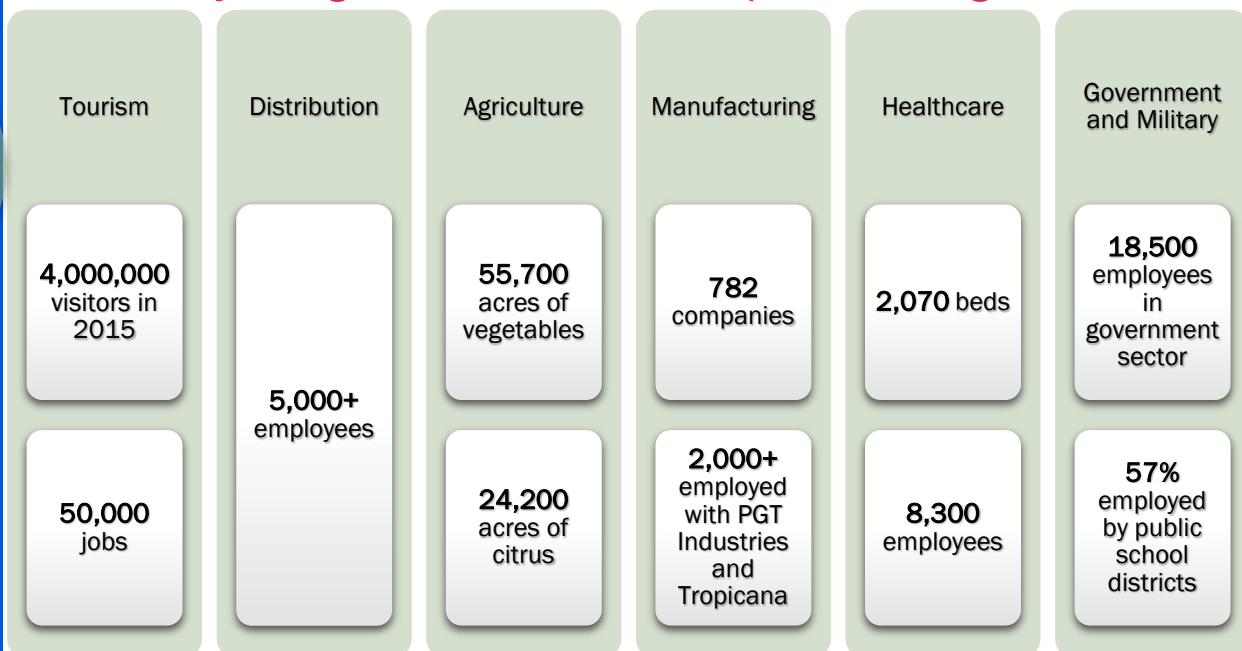
Beall's Inc.

1,694 employees

Tropicana, Inc.

1,000 employees

Major Freight Generators in Sarasota/ Manatee Region



Source: 2040 LRTP Freight and Goods Movement

[2015 Freight Volume](#) [Sarasota/Manatee Freight Intensity Areas](#)
[2015 Regional Freight Network](#) [Sarasota/Manatee MPO Livability](#)
[Sarasota/Manatee MPO Adopted 2040 Long Range Transportation Plan](#)



Infrastructure Condition

Federal Highway Administration Map-21/ FAST Act

Maintain highway infrastructure in a state of good repair.

Sarasota/Manatee 2040 Long Range Transportation Plan

Improve management, operations, and coordination to promote efficient transportation system locally and regionally.



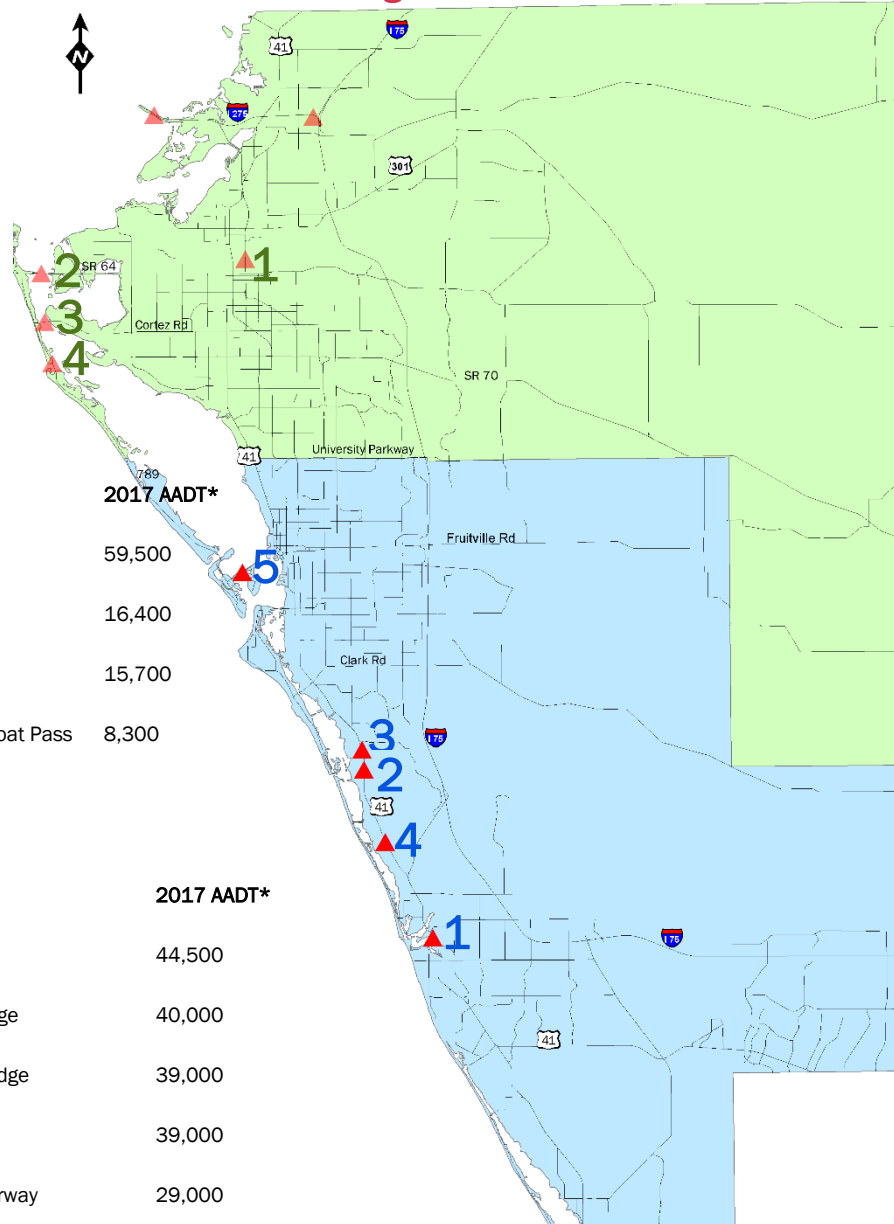
Ringling Bridge

95%
of all bridges in Sarasota and Manatee counties are in good condition.

0
bridges in poor condition.

Source: 2015 FHWA National Bridge Inventory

Arterial Bridges in Fair Condition



Manatee County

Rank	Bridge	2017 AADT*
1	Desoto Bridge	59,500
2	Anna Maria Bridge	16,400
3	Cortez Bridge	15,700
4	Gulf of Mexico Dr/ Longboat Pass	8,300

**AADT is annual average daily traffic

Sarasota County

Rank	Bridge	2017 AADT*
1	US 41 - Roberts Bay Bridge	44,500
2	US 41 NB - North Creek Bridge	40,000
3	US 41 SB - Catfish Creek Bridge	39,000
4	US 41 SB - South Creek	39,000
5	SR 789 NB - Coon Key Waterway	29,000

**AADT is annual average daily traffic

Regionally, 5% of arterial bridges are in fair condition. Of the bridges in fair condition, these bridges are listed from highest to lowest annual average daily traffic.

Source: [2015 FHWA National Bridge Inventory- All bridges](#); [2015 FHWA National Bridge Inventory-Arterial bridges](#)

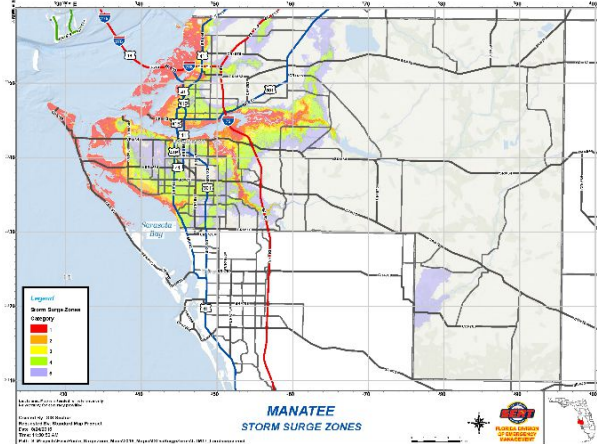
Infrastructure Condition

Resiliency:

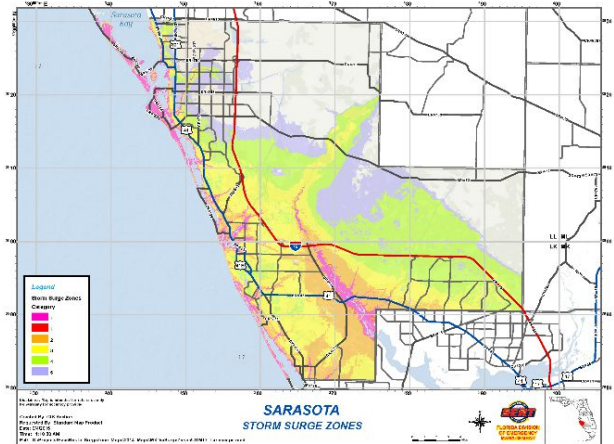
Improve the resiliency and reliability of the transportation system and reduce or mitigate storm water impacts of surface transportation.

Source: Federal Highway Administration Fast Act

Storm Surge Zones

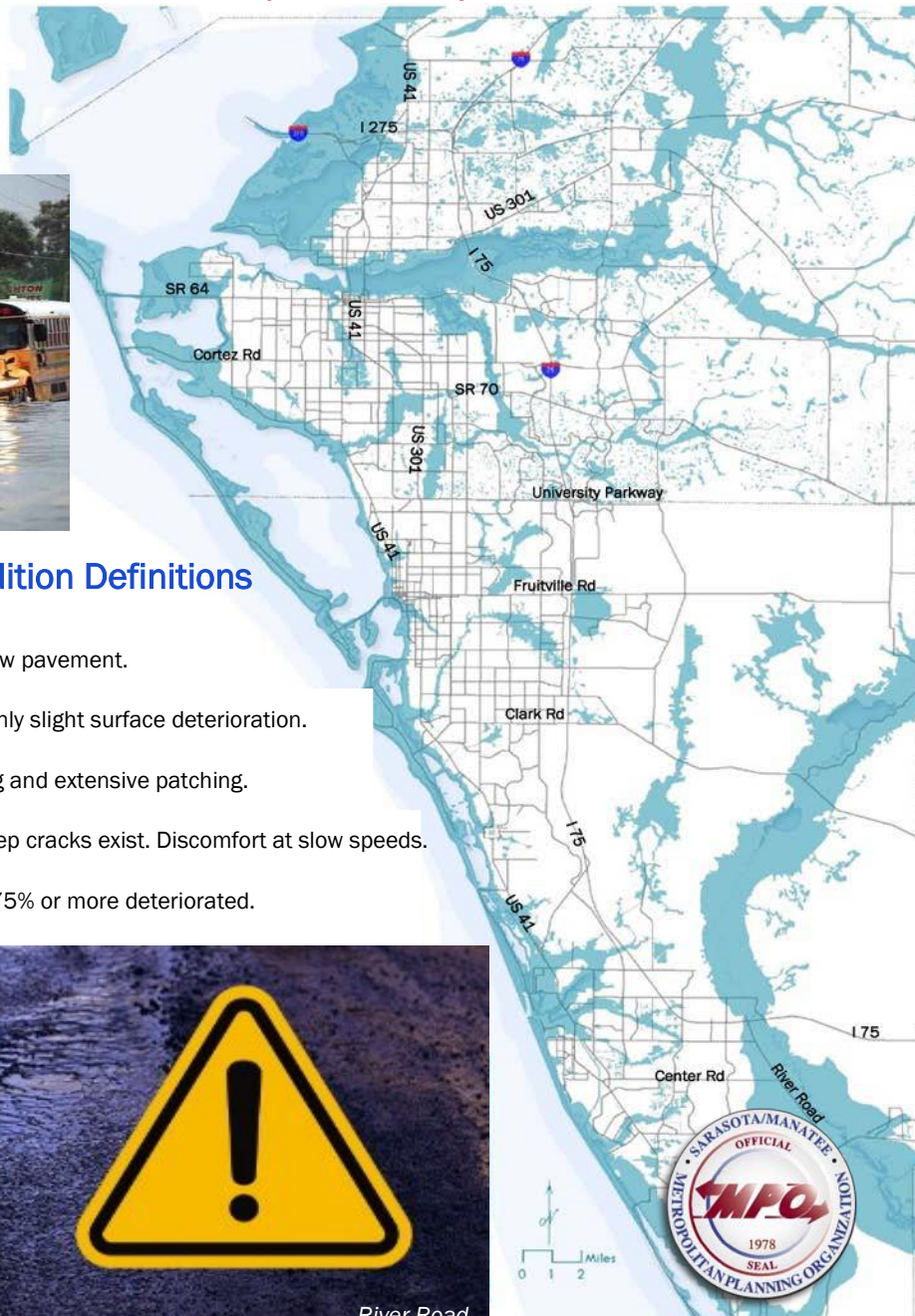


[Click here to enlarge map](#)



[Click here to enlarge map](#)

Sarasota/Manatee Special Flood Hazard Area



FDOT Pavement Condition Definitions

Very Good

4.0 □ 5.0: Only new or nearly new pavement.

Good

3.0 □ 4.0: First class ride with only slight surface deterioration.

Fair

2.0 □ 3.0: Rutting, map cracking and extensive patching.

Poor

1.0 - 2.0: Large potholes and deep cracks exist. Discomfort at slow speeds.

Very Poor

0.0 - 1.0: Virtually impassable. 75% or more deteriorated.

99+%

of road segments in Sarasota/ Manatee region are considered in good condition by Florida Department of Transportation.

Source: 2017 FDOT Pavement Condition Report
[Sarasota/Manatee Pavement Conditions](#)



Project Delivery

Federal Highway Administration Map-21/ FAST Act

To reduce project costs, promote jobs and the economy, expedite the movement of people and goods by accelerating project completion through eliminating delays in the project development and delivery process.

Sarasota/Manatee 2040 Long Range Transportation Plan

To reduce project costs by allocating funds to projects that enhance regional mobility, continuing to support multimodal accessibility and congestion management.

Major Improvements

- 15th Street East/301 Boulevard East from Magellan Drive to US 41 lane addition and reconstruction
- US 41 Venice Bypass from Center Road to Gulf Coast Boulevard lane addition and reconstruction
- US 41 Multi Modal Emphasis Corridor
- Advanced Traffic Management System

Congestion Management

Description	Location
Add right turn lane(s)	US 41 Business at 3rd Avenue
Add left turn lane(s)	US 301 at Erie Road/ Old Tampa Highway
Add turn lane(s)	Moccasin Wallow Road at US 41
Intersection improvement	SR 70 at 30 th Street East
Add turn lane(s)	51 st Street West at 53 rd Avenue West
Add right turn lane(s)	13 th Avenue West at US 301/US 41
Roundabout	US 41 from Ringling Boulevard to Main Street
Add left turn lane(s)	63 rd Avenue East at 33 rd Street East
Roundabout	15 th Street East at 9 th Avenue East
Intersection improvement	Ringling Boulevard at Pine Place

US 41 Multi Modal Emphasis Corridor



Project Delivery

Non-motorized Transportation Alternative	
Description	Location
Bike path/trail	Willow Ellenton from US 301 to I-75
Sidewalk	Venice/MIA/Tampa Avenue from Harbor Drive to Business US 41
Bike path/trail	Sarasota Trail Coon Key from N Washington Drive to John Ringling Causeway
Bike lane/sidewalk	Biscayne Drive from Elyton Drive to Glenallen Boulevard
Pedestrian/Wildlife overpass	Trail Bridge over Laurel Road Legacy Trail
Sidewalk	Morgan Johnson Road from Riverside Terrace to SR 64
Bike lane/sidewalk	SR 64 from Martinique Drive to East of 107 th Court West
Bike path/trail	US 41 Green Bridge Multi-Use Path
Sidewalk	Blackstone Park at 14th Avenue West, 23rd Street West and Business 41 (Valencia Drive)
Bike path/trail	Southern Parkway West from 43rd Street West to 26th Street West

PRIORITIES: Does the proposed project

Continue or complete an existing MPO priority project?

Have a local match?

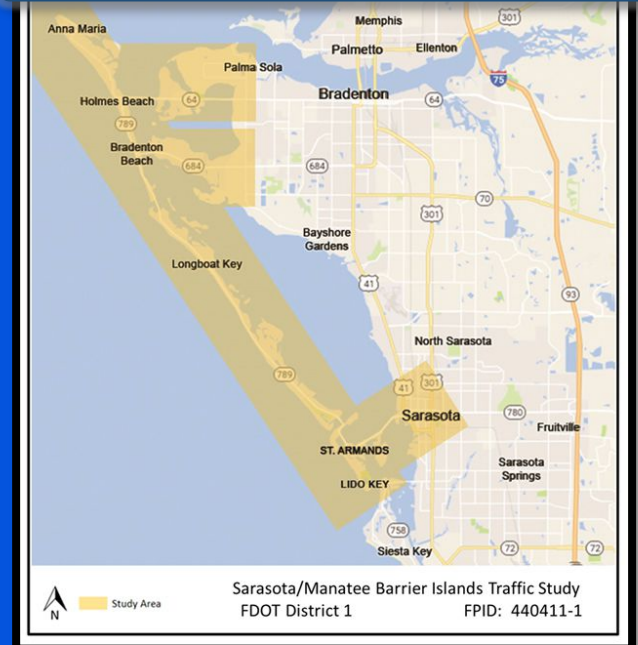
Include a public/private partnership?

Support the priorities of the 2040 Long Range Transportation Plan?

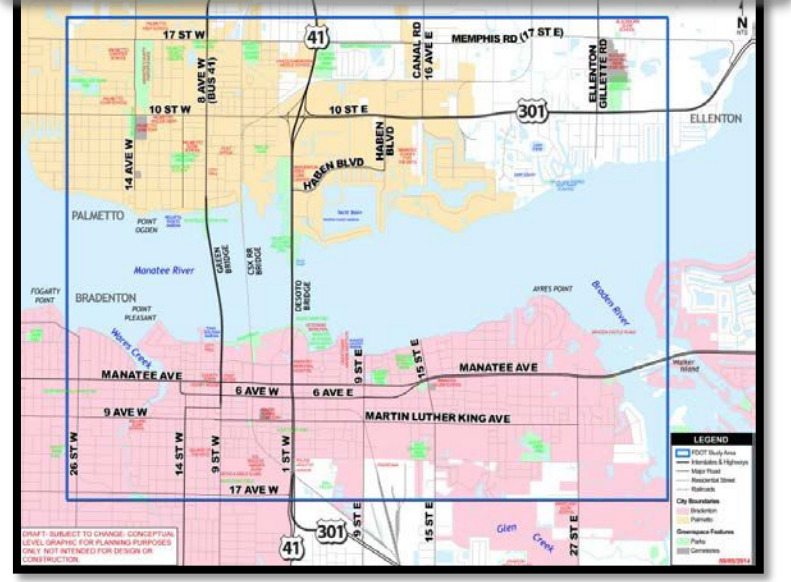
Advance a local jurisdiction's top priorities?

Address an identified need in an FDOT or MPO feasibility study?

Sarasota/Manatee Barrier Island Study



Central Manatee Network Alternatives Analysis Study



Studies and Reports

- [15th Street East/301 Blvd. East PD&E Study from Tallevast Rd. to US 41](#)
- [2013 Park and Ride Implementation Plan](#)
- [2005 Water Taxi Feasibility Study](#)
- [2007 Barrier Island Study](#)
- [2014 City of Venice Downtown Mobility Plan](#)
- [2009 Cities of Bradenton and Palmetto Mobility Study](#)
- [2011 US 41 Venice Bypass Peer Review](#)
- [2040 Long Range Transportation Plan](#)
- [Bicycle, Pedestrian and Trails Master Plan](#)
- [2014 CMP State of the System](#)
- [Central Manatee Network Alternatives Analysis](#)

