

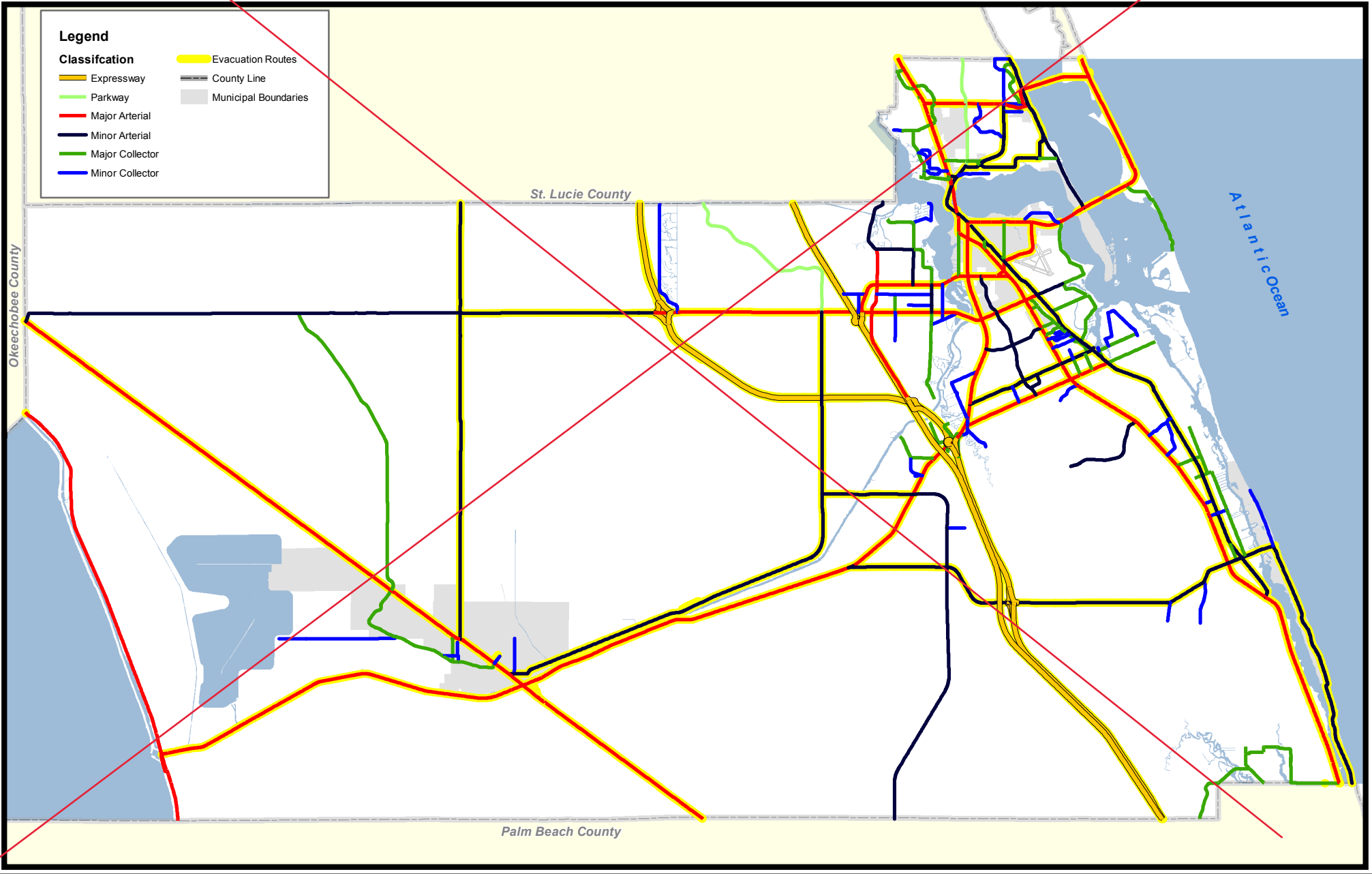
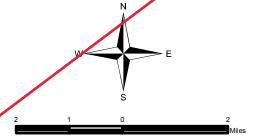
CPA 24-05,  
Transportation Element  
Existing Figures proposed for  
deletion



# Martin County

Adopted September 14, 2021

## 2021 Transportation Map Roadway Functional Classification and Evacuation Figure 5-1A

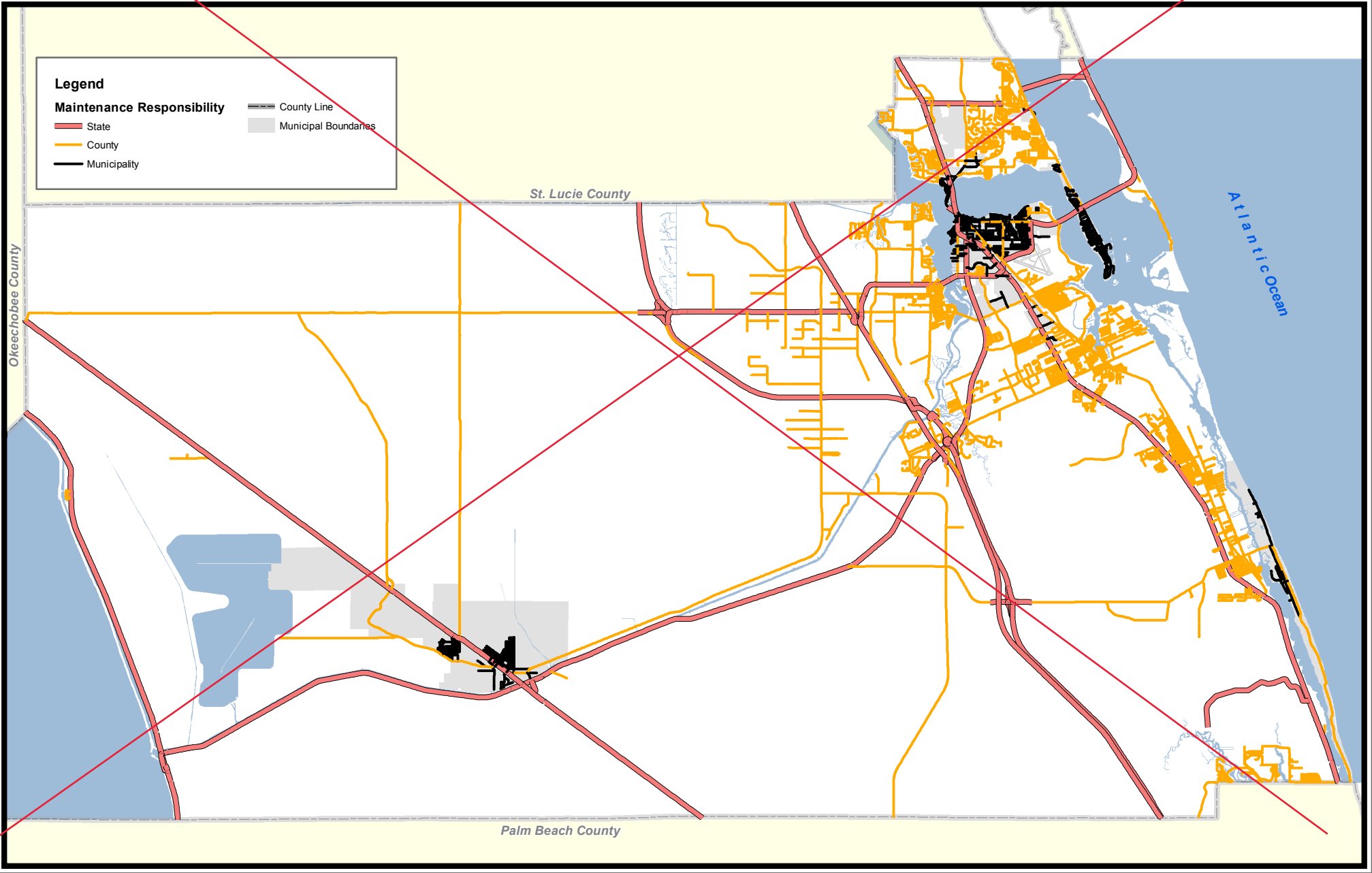
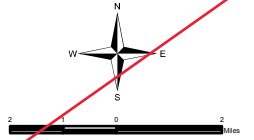




# Martin County

Adopted September 14, 2021

## 2021 Transportation Map Roadway Maintenance Figure 5-1B

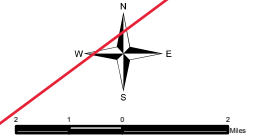




# Martin County

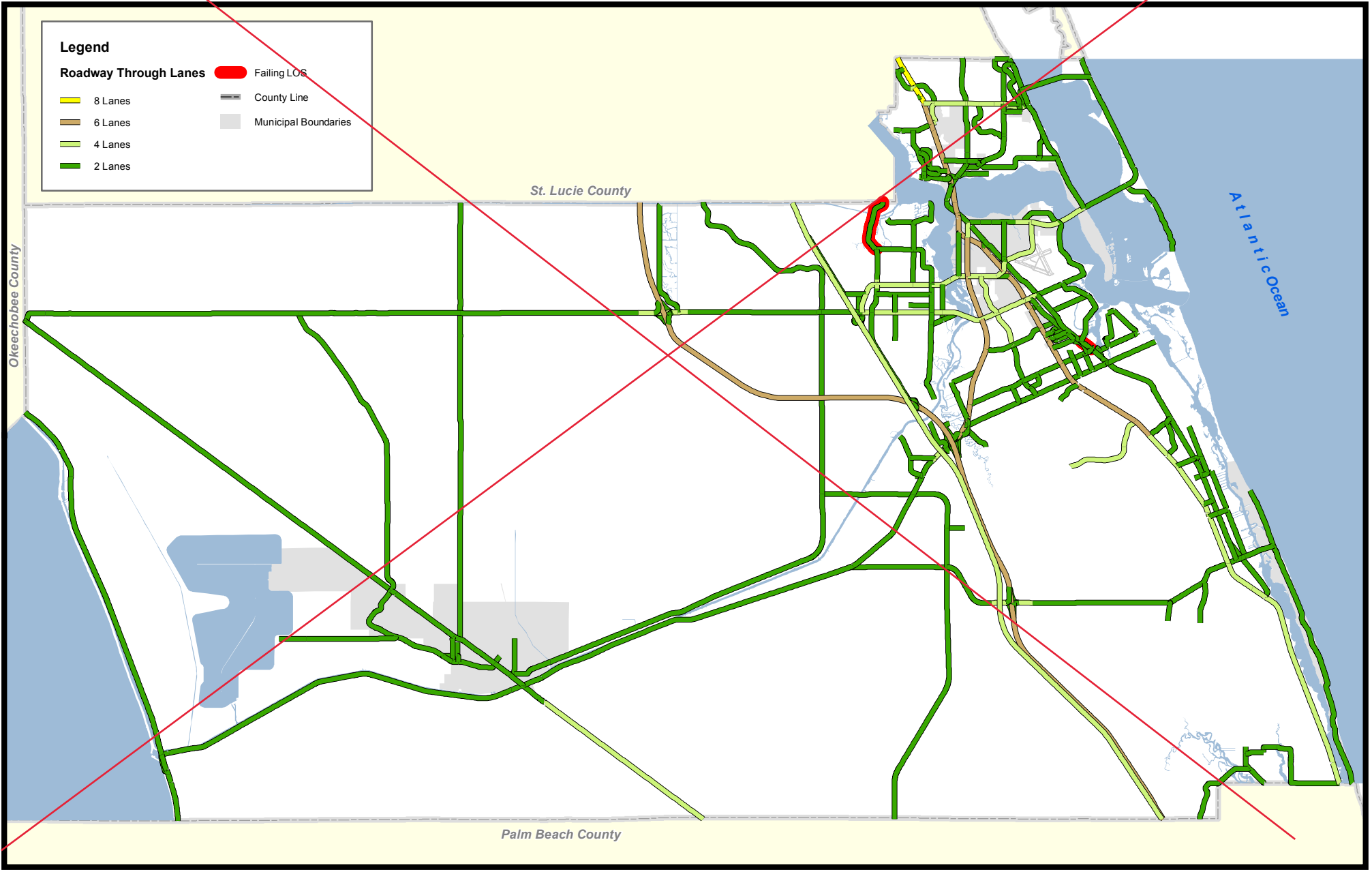
Adopted September 14, 2021

## 2021 Transportation Map Roadway Lanes and Level of Service Figure 5-1C



### Legend

- |                              |                      |
|------------------------------|----------------------|
| <b>Roadway Through Lanes</b> | Failing LOS          |
| 8 Lanes                      | County Line          |
| 6 Lanes                      | Municipal Boundaries |
| 4 Lanes                      |                      |
| 2 Lanes                      |                      |

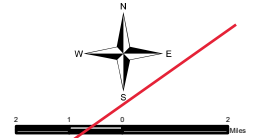




# Martin County

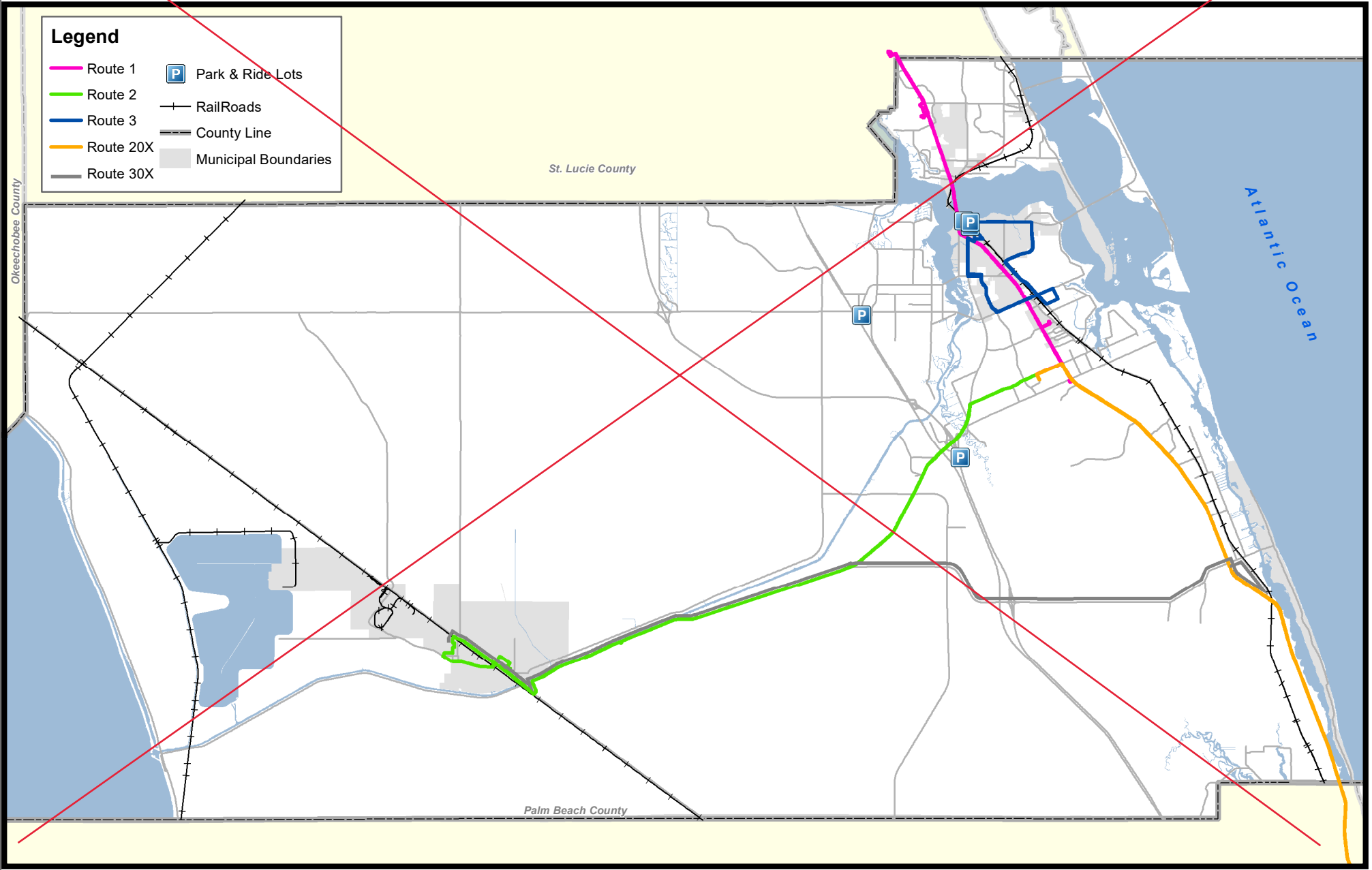
Adopted September 14, 2021

## 2021 Transportation Map Public Transportation Figure 5-3



### Legend

- Route 1
- Route 2
- Route 3
- Route 20X
- Route 30X
- Park & Ride Lots
- RailRoads
- County Line
- Municipal Boundaries

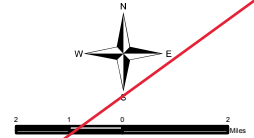




# Martin County

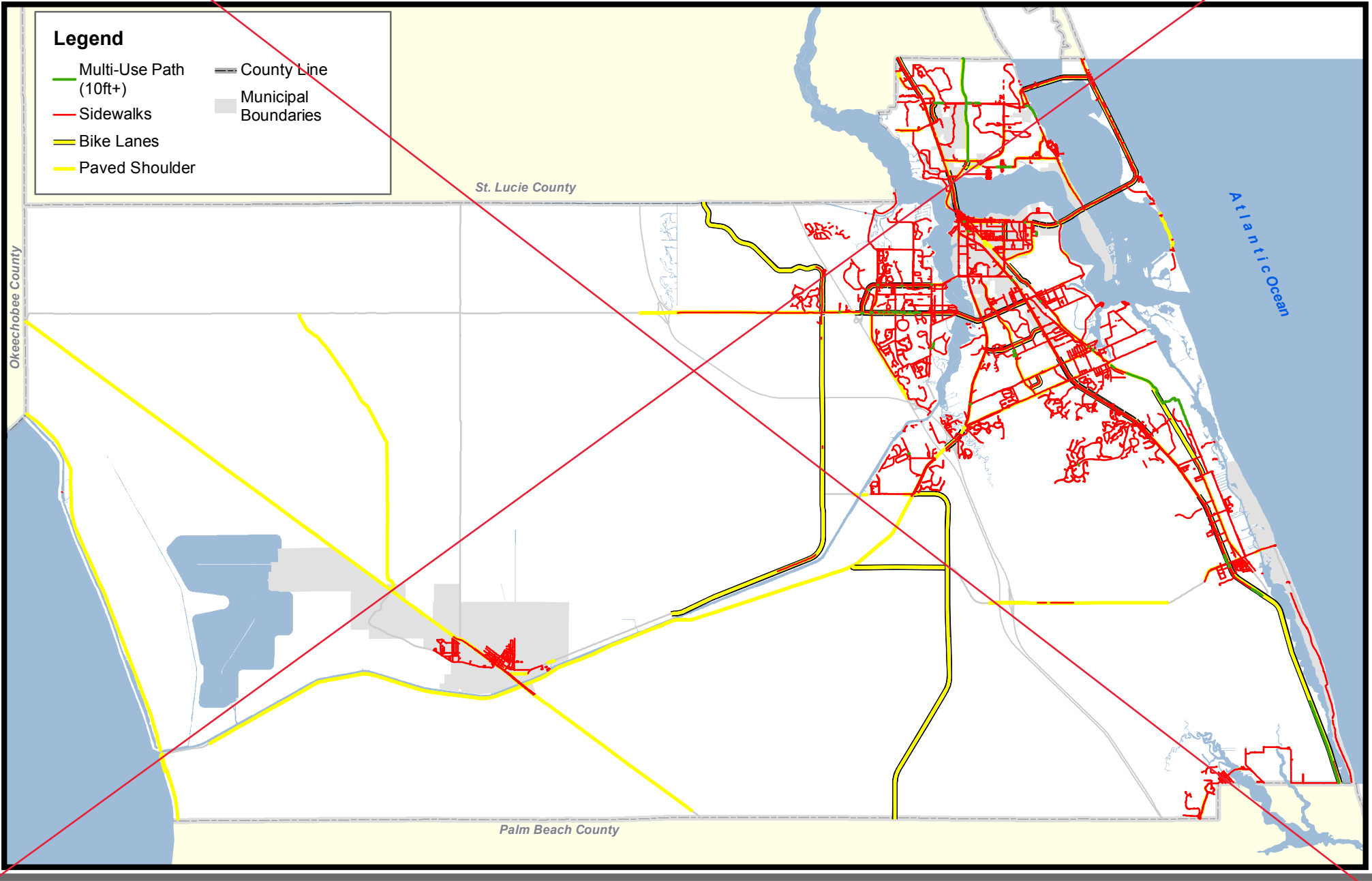
Adopted September 14, 2021

## 2021 Transportation Map Non Motorized Transportation System Figure 5-4



### Legend

- Multi-Use Path (10ft+)
- Sidewalks
- Bike Lanes
- Paved Shoulder
- County Line
- Municipal Boundaries

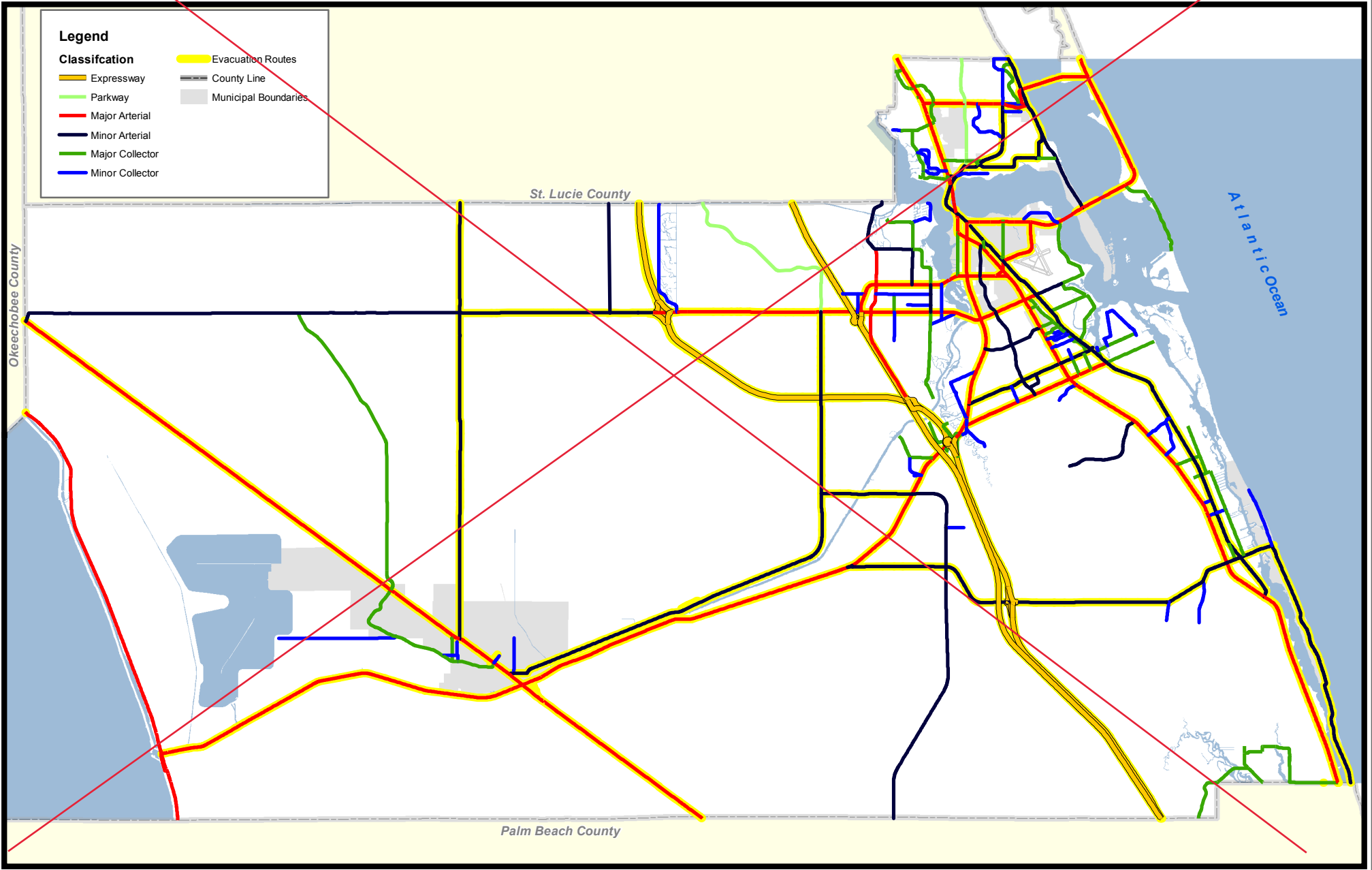
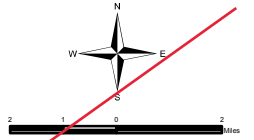




# Martin County

September 14, 2021

## 2045 Transportation Map Roadway Functional Classification and Evacuation Figure 5-5A

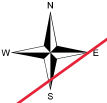




# Martin County

Adopted September 14, 2021

## 2045 Transportation Map Roadway Maintenance Figure 5-5B



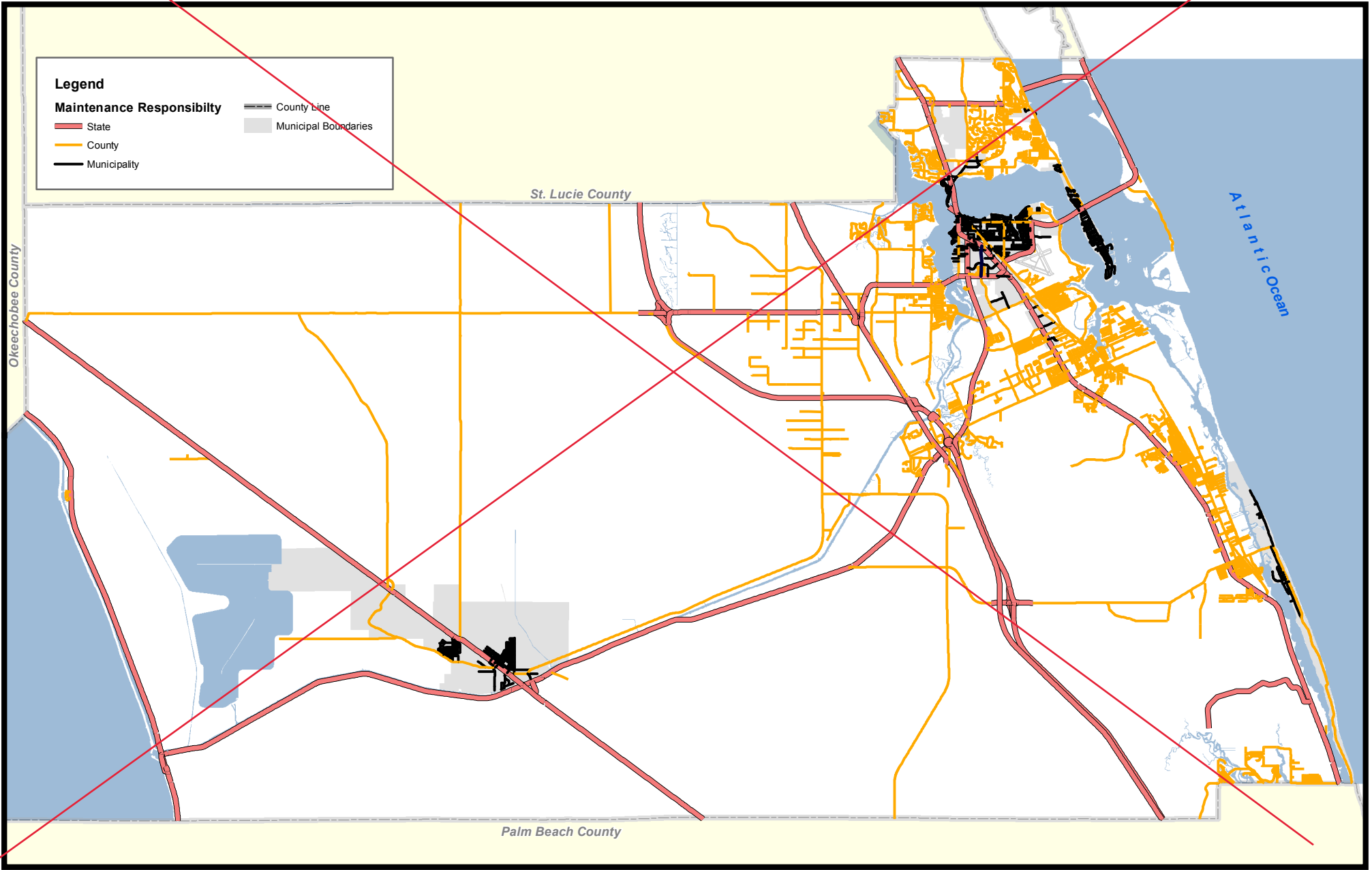
2 0 2 Miles

### Legend

#### Maintenance Responsibility

- State
- County
- Municipality

- County Line
- Municipal Boundaries



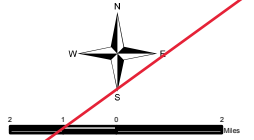




# Martin County

Adopted September 14, 2021

## 2045 Transportation Map Roadway Lanes Figure 5-5C

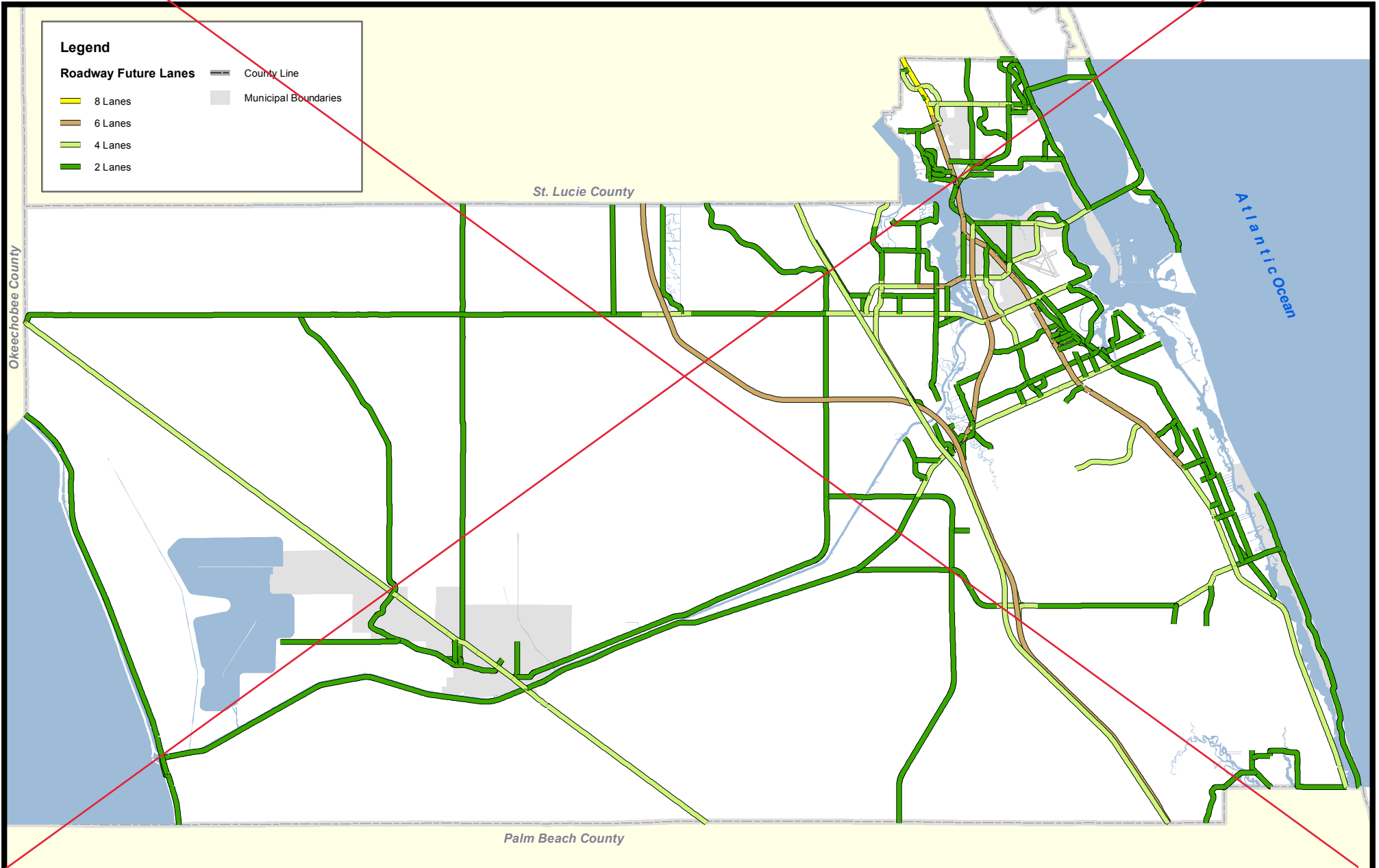


### Legend

#### Roadway Future Lanes

- 8 Lanes
- 6 Lanes
- 4 Lanes
- 2 Lanes

- County Line
- Municipal Boundaries

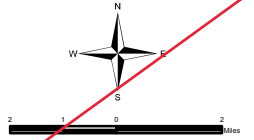




# Martin County

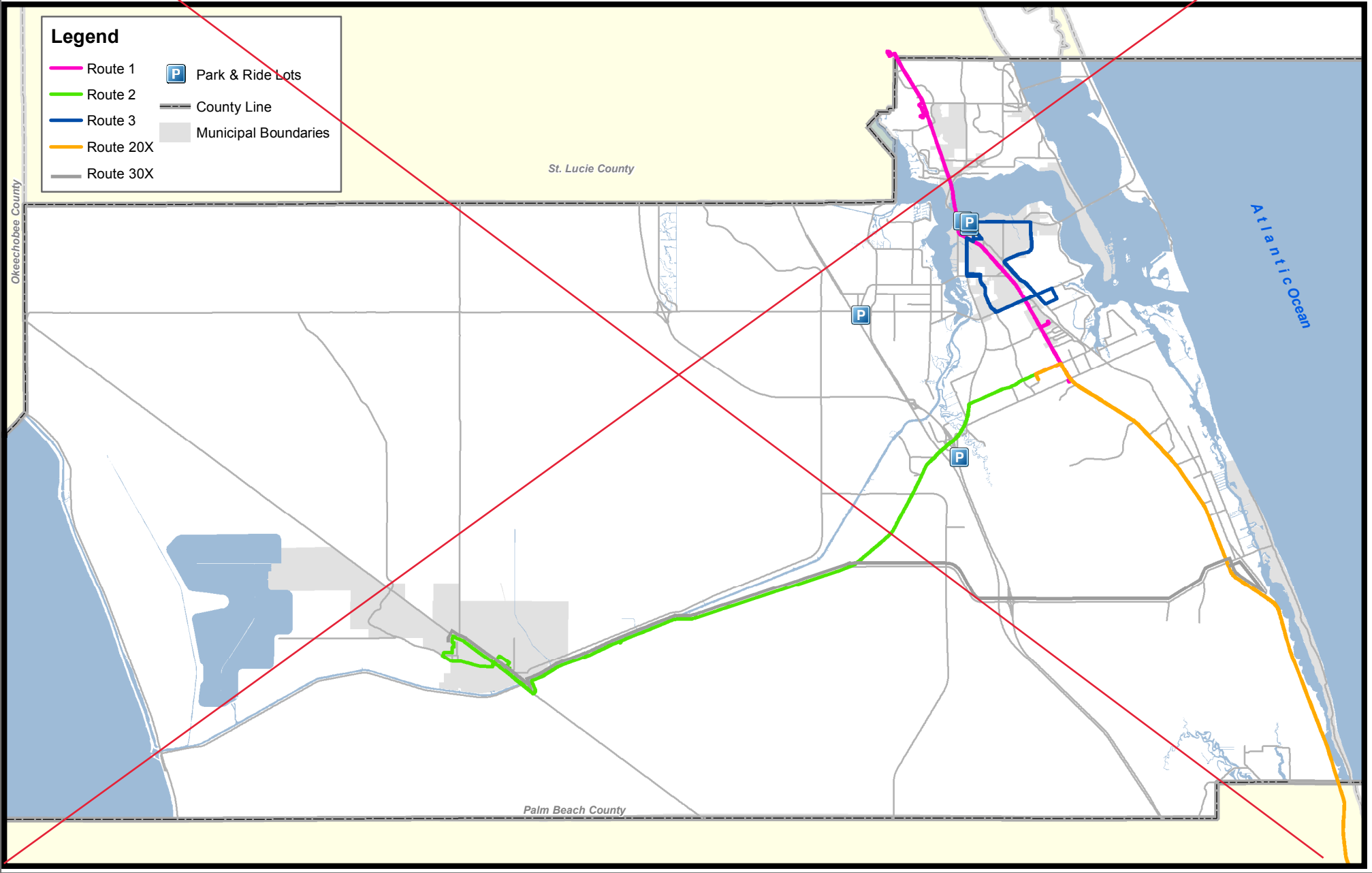
Adopted September 14, 2021

## 2045 Transportation Map Public Transportation Figure 5-7



### Legend

- Route 1
- Route 2
- Route 3
- Route 20X
- Route 30X
- Park & Ride Lots
- County Line
- Municipal Boundaries

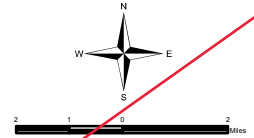




# Martin County

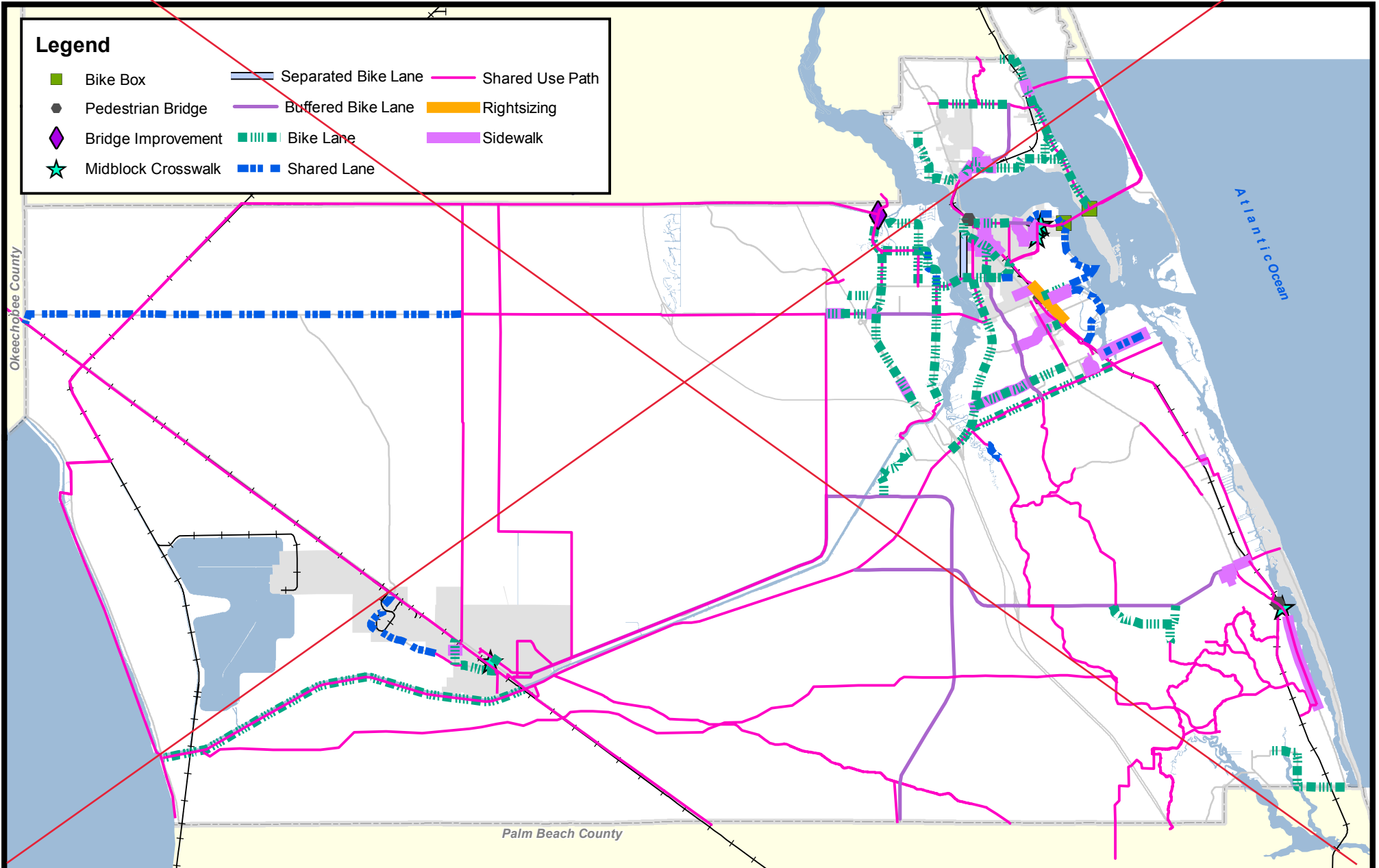
Adopted September 14, 2021

## 2045 Transportation Map Non Motorized Transportation System Figure 5-8



### Legend

- |                    |                     |                 |
|--------------------|---------------------|-----------------|
| Bike Box           | Separated Bike Lane | Shared Use Path |
| Pedestrian Bridge  | Buffered Bike Lane  | Rightsizing     |
| Bridge Improvement | Bike Lane           | Sidewalk        |
| Midblock Crosswalk | Shared Lane         |                 |





LEGEND		
EXISTING	FUTURE	ITEM
		Airport Property Line
		Airport Security Fence
		Off-Airport Fence
		35' Building Restriction Line (BRL)
		Runway Visibility Zone Line (RVZ)
		Runway Object Free Area Line (OFA)
		Runway Safety Area Line (RSA)
		Runway Protection Zone Line (RPZ)
		Line of Sight (LOS)
		Runway Object Free Zone (ROFZ)
		Airfield Pavement
		Airfield Pavement to be Abandoned
		Buildings
		Uplands Preservation Area
		Preservation Area
		Non-Aviation Development Area
		General Aviation Development Area
		Windcone
		Airport Reference Point (ARP)
		NAVAIDS
		Rotating Beacon
		Land To Be Acquired
		Water Features
		Topographic Contours
		Airfield Pavement to be Removed
		Homes to be Acquired (See Note 7)
		Homes Potentially Eligible For Acquisition (See Note 8)
		Adjusted Airport Controlled Property Pending FAA Approval

#### NOTES

- INTERIM ALP.
- ULTIMATE RWY ENDS, DECLARED DISTANCES, RPZS, AND AIRPORT PROPERTY DATA SHOWN ARE IN ACCORDANCE WITH MARTIN COUNTY BOARD OF COUNTY COMMISSIONERS DECISION ADOPTED DURING COUNTY COMMISSION MEETING HELD 4/1/08.
- AS DIRECTED BY THE FAA - FUTURE USE OF THIS LAND TO BE ADDRESSED IN THE NEXT FULL AIRPORT MASTER PLAN UPDATE.
- ONLY DEPARTURE RPZS SHOWN FOR RUNWAY 16-34 AS THEY ARE MORE CRITICAL THAN ARRIVAL RPZ'S.
- ALL NORTHING AND EASTING COORDINATES REPORTED ARE RELATIVE TO NAD 83, GRID, INTERNATIONAL FOOT DATUM.
- ALL ELEVATIONS REPORTED ARE RELATIVE TO 0.00' MSL (NGVD '88 DATUM)
- HOMES AND ASSOCIATED LAND IDENTIFIED AS BEING ACQUIRED FOR NOISE COMPATIBILITY WILL BE INCORPORATED INTO AIRPORT PROPERTY AS FURTHER PROTECTION OF APPROACHES AND RPZ'S.
- HOMES AND ASSOCIATED LAND IDENTIFIED FOR POTENTIAL ACQUISITION PENDING FUNDING AVAILABILITY AND FURTHER ACTION BY BCCG.
- DIMENSIONS OF EMAS PENDING FAA REVIEW OF FINAL EMAS DESIGN.

#### CONSTRUCTION NOTICE REQUIREMENT

To protect operational safety and future development, all proposed construction on the airport must be coordinated with the FAA Airports District Office prior to construction. FAA's review takes approximately 60 days.

DEVIATIONS TO STANDARDS		
EXISTING	ULTIMATE	
1 Southeast Monterey Road is located within RWY 12 RPZ & OFA	SAME	
2 Existing Airport Security Fence is located within the RWY 12 OFA	SAME	
3 Existing Airport Security Fence is located within the RWY 07 OFA	SAME	
4 Southeast Monterey Road is located within RWY 16 RPZ	SAME	
5 Kingwood Terrace is located within RWY 16 RPZ	SAME	
6 Existing Airport Security Fence is located within RWY 34 OFA & RSA	SAME	
7	N/A	

EXISTING AIRPORT FACILITIES LEGEND	
No.	FACILITY DESCRIPTION
1	Airport Administration Building
2	Air Traffic Control Tower
3	Primary Lighted Wind Indicator
4	Airport Maintenance Building
5	Noise Barms (approximate location)
6	Compass Rose
7	Precision Approach Path Indicator (PAPI-4)
8	Runway End Identifier Light (REIL)
9	Airport Rotating Beacon
10	Vought Manufacturing Building
11	Vought Catering
12	Vought Office Buildings
13	Supplemental Wind Cone
14	Uplands Preservation Area
15	Stuart Jet Center Conventional Hangar
16	Stuart Jet Center Conventional Hangar
17	Galaxy Aviation Shade Hangars
18	Galaxy Aviation Terminal
19	Galaxy Aviation Conventional Hangars
20	Private Hangar
21	Private Hangar
22	Sheriff's Hangar - Martin County
23	Stuart Jet Center Conventional Hangar
24	Stuart Jet Center T-Hangars
25	Stuart Jet Center Terminal
26	Stuart Jet Center Conventional Hangars/Office
27	Witham Aero Club T-Hangars
28	Witham Aero Club T-Hangars
29	Building Maintenance - Martin County
30	Road Control - Martin County
31	General Service Administration - Martin County
32	Vehicle Maintenance - Martin County
33	Tire Shop - Martin County
34	Mosquito Control - Martin County
35	Stuart Jet Center Fuel Farm
36	Galaxy Fuel Farm
37	Automated Weather Observation System (AWOS)
38	Area of Asbestos Abatement (2413) S
39	Airport Reference Point (ARP)
40	Martin County Sheriff's Hangar And Helipad
41	Martin County ESH Hangar And Helipad
42	PAPI-2
43	Run-Up Aprons
44	Run-Up Aprons
45	Airport Leased Offices
46	Preservation Area

DECLARED DISTANCES		
RUNWAY END	DECLARED	
	EXISTING	ULTIMATE
12	TORA 5826	N/A
	TODA 5826	N/A
	ASDA 5826	N/A
	LDA 5166	N/A
30	TORA 5826	SAME
	TODA 5826	SAME
	ASDA 5826	SAME
	LDA 5366	SAME
7	TORA N/A	N/A
	TODA N/A	N/A
	ASDA N/A	N/A
	LDA N/A	N/A
25	TORA N/A	N/A
	TODA N/A	N/A
	ASDA N/A	N/A
	LDA N/A	N/A
16	TORA 5000	SAME
	TODA 5000	SAME
	ASDA 4120	SAME
	LDA 3790	SAME
34	TORA 5000	SAME
	TODA 5000	SAME
	ASDA 4750	SAME
	LDA 3870	SAME

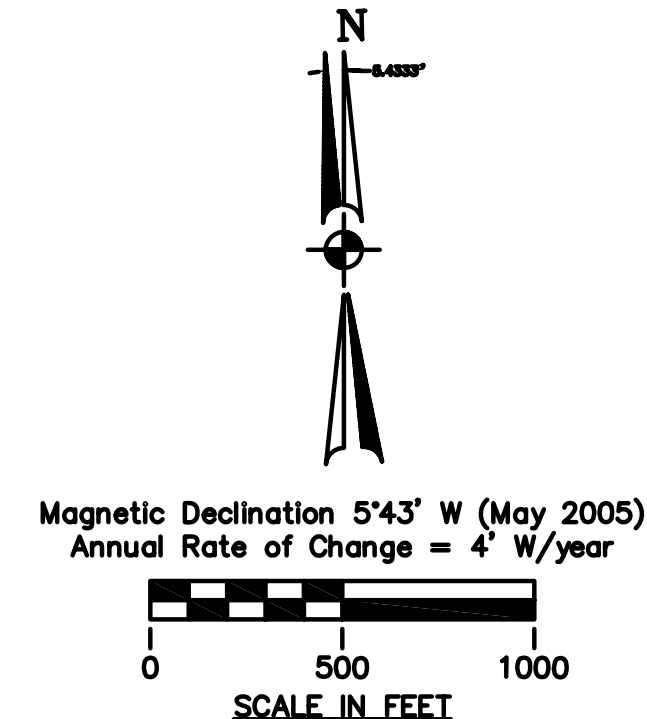
DISPLACED THRESHOLD COORDINATES (NAD 83)		
RUNWAY END	EXISTING	
	DEG. MIN. SEC.	DEC. MIN. SEC.
12	LATITUDE 27 10 53.25	27 10 53.92
	LONGITUDE 80 13 44.20	80 13 40.25
30	LATITUDE 27 10 37.10	NONE
	LONGITUDE 80 12 57.29	NONE
7	LATITUDE NONE	NONE
	LONGITUDE NONE	NONE
25	LATITUDE NONE	NONE
	LONGITUDE NONE	NONE
16	LATITUDE 27 11 15.68	SAME
	LONGITUDE 80 13 16.34	SAME
34	LATITUDE 27 10 41.86	SAME
	LONGITUDE 80 12 58.17	SAME

RUNWAY END COORDINATES (NAD 83)		
RUNWAY END	EXISTING	
	DEG. MIN. SEC.	DEC. MIN. SEC.
12	LATITUDE 27 10 55.51	SAME
	LONGITUDE 80 13 53.06	SAME
30	LATITUDE 27 10 35.52	SAME
	LONGITUDE 80 12 52.51	SAME
7	LATITUDE 27 10 54.00	SAME
	LONGITUDE 80 13 44.36	SAME
25	LATITUDE 27 11 11.05	SAME
	LONGITUDE 80 12 56.58	SAME
16	LATITUDE 27 11 18.64	SAME
	LONGITUDE 80 13 17.92	SAME
34	LATITUDE 27 10 34.00	SAME
	LONGITUDE 80 12 53.95	SAME

RUNWAY DATA													
ITEM	RUNWAY 12-30				RUNWAY 7-25				RUNWAY 16-34				
	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	
AIRPORT REFERENCE CODE	D-II	SAME	D-II	SAME	D-II	SAME	D-II	SAME	D-II	SAME	D-II	SAME	
RUNWAY DIMENSIONS	5,826' x 100'	SAME	4,646' x 100'	SAME	5,000' x 100'	SAME	5,000' x 100'	SAME	5,000' x 100'	SAME	5,000' x 100'	SAME	
TRUE BEARING	N 69°45'35" W	SAME	N 68°42'02" W	SAME	N 25°37'31" W	SAME	N 25°37'31" W	SAME	N 25°37'31" W	SAME	N 25°37'31" W	SAME	
EFFECTIVE GRADIENT (%)	0.079	SAME	0.128	SAME	0.03	SAME	0.03	SAME	0.03	SAME	0.03	SAME	
% WIND COVERAGE (13 KNOTS)	95.7%	SAME	94.7%	SAME	91.1%	SAME	91.1%	SAME	91.1%	SAME	91.1%	SAME	
% WIND COVERAGE (16 KNOTS)	98.7%	SAME	98.9%	SAME	97.0%	SAME	97.0%	SAME	97.0%	SAME	97.0%	SAME	
PAVEMENT TYPE	ASPHALT	SAME	ASPHALT	SAME	ASPHALT	SAME	ASPHALT	SAME	ASPHALT	SAME	ASPHALT	SAME	
MAX. ELEVATION (NAVD 88)	17.4'	SAME	17.5'	SAME	14.3'	SAME	14.3'	SAME	14.3'	SAME	14.3'	SAME	
RUNWAY LIGHTING	MIRL	SAME	MIRL	SAME	VISUAL	SAME	VISUAL	SAME	VISUAL	SAME	VISUAL	SAME	
RUNWAY MARKING	NON-PRECISION	SAME	VISUAL	SAME	NON-PRECISION	SAME	NON-PRECISION	SAME	NON-PRECISION	SAME	NON-PRECISION	SAME	
TAXIWAY LIGHTING	MIRL	SAME	MIRL	SAME	MIRL	SAME	MIRL	SAME	MIRL	SAME	MIRL	SAME	
LOAD BEARING CAPACITY BY GEAR TYPE													
SWL (lbs.)	65,000	SAME	55,000	SAME	58,000	SAME	58,000	SAME	58,000	SAME	58,000	SAME	
DWL (lbs.)	105,000	SAME	90,000	SAME	95,000	SAME	95,000	SAME	95,000	SAME	95,000	SAME	
DTW (lbs.)	190,000	SAME	160,000	SAME	170,000	SAME	170,000	SAME	170,000	SAME	170,000	SAME	
NAVIGATIONAL AIDS	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	
VISUAL AIDS	PAPI/REIL	SAME	PAPI/REIL	SAME	PAPI/REIL	SAME	PAPI/REIL	SAME	PAPI/REIL	SAME	PAPI/REIL	SAME	
APPROACH SLOPE (AC5300-13)	34 : 1	34 : 1	20 : 1	20 : 1	20 : 1	20 : 1	20 : 1	20 : 1	20 : 1	20 : 1	20 : 1	20 : 1	
APPROACH TYPE	NON PREC INS	NON PREC INS	NON PREC INS	NON PREC INS	NON PREC INS	NON PREC INS	NON PREC INS	NON PREC INS	NON PREC INS	NON PREC INS	NON PREC INS	NON PREC INS	
RSA LENGTH PRIOR TO LANDING THRESHOLD	1000	1000	910	600	1000	1000	1000	1000	1000	1000	1000	1000	
RUNWAY OBJ. FREE AREA WIDTH	800'	800'	800'	800'	800'	800'	800'	800'	800'	800'	800'	800'	
ROFA LENGTH BEYOND RWY END	1,000'	1,000'	450'	600'	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	
RUNWAY SAFETY AREA WIDTH	500'	500'	500'	500'	500'	500'	500'	500'	500'	500'	500'	500'	
RSA LENGTH BEYOND RWY END	1,000'	1,000'	450'	600'	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'	

AIRPORT DATA		
ITEM	EXISTING	ULTIMATE
AIRPORT ELEVATION AMSL (NAVD 88)	12'	SAME
AIRPORT REFERENCE POINT (ARP)		
LATITUDE (NAD 83)	27 10' 54.12" N	SAME
LONGITUDE (NAD 83)	80 13' 16.85" W	SAME
MEAN MAX. TEMP. (HOTTEST MO.)	90° F	SAME
AIRPORT CLASSIFICATION	GEN. AVIATION	SAME
AIRCRAFT DESIGN GROUP	D-II	SAME
DESIGN AIRCRAFT	MIX	GULFSTREAM IV
AIRPORT ACREAGE	726 AC.	SAME

Figure 5-9



ULTIMATE AIRPORT FACILITIES LEGEND	
No.	FACILITY DESCRIPTION
1	Relocate Noise Barms
2	450' EMAS (See Note 9)
3	(Reserved For Future Use)
4	Homes Potentially Eligible For Acquisition (See Note 8)
5	New Airport Security Fence
6	Airport Interior Access Road
7	Airport Rescue and Fire Facility
8	(Reserved For Future Use)
9	Lowways
10	Stuart Jet Development Area
11	Galaxy Aviation Development Area
12	(Reserved For Future Use)
13	(Reserved For Future Use)
14	470' EMAS (See Note 9)
15	Runway End Identifier Light (REL)
16	PAPI-4
17	(Reserved For Future Use)
18	Noise Barms To Be Removed
19	(Reserved For Future Use)
20	Relocate Airport Security Fence
21	Homes to be Acquired (See Note 7)
22	(Reserved For Future Use)

SUBMITTED BY: **JACOBS**  
Carter Burgess

ON THE DATE OF: \_\_\_\_\_

FOR APPROVAL BY:  
**MARTIN COUNTY**

APPROVED BY: \_\_\_\_\_

TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_

FAA APPROVAL STAMP

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

MARTIN COUNTY AIRPORT/WITHAM FIELD

AIRPORT LAYOUT PLAN

STUART, FLORIDA

1 UPDATE OF 10/27/04 APPROVED ALP 5/27/08

PLANNED BY: BKL

DRAWN BY: SM/RWM

REVIEWED BY: MAO

DATE: 10/25/2006 SHEET: 2 OF 15

**JACOBS**  
Carter Burgess  
101 N. 1ST AVE., SUITE 3100  
Phoenix, AZ 85003  
(602) 253-1200