

Appendix

A. County Road Projects Prioritized
Needs List and Project Sheets

B. State Road Projects Prioritized
Needs List and Project Sheets



Appendix A:

County Road Projects Prioritized Needs List and Project Sheets

COUNTY ROAD PROJECTS
PRIORITIZED NEEDS LIST

*Note: Probable cost ranges do not account for right-of-way acquisition, drainage improvements, utility impacts, and potential resurfacing needs or project contingencies. A detailed cost estimate should be prepared as part of conceptual plans. Countermeasure costs were sourced from the MetroPlan Orlando Engineering Countermeasure Toolkit.

PRIORITY RANK	SEGMENT	FROM	TO	LENGTH (MILES)	JURISDICTION	CITY	DISADVANTAGED SCORE (OUT OF 5)	MOTOR VEHICLE DEADLY OR SERIOUS CRASHES	VULNERABLE USER DEADLY OR SERIOUS CRASHES	CRASH SCORE PER MILE	PROJECT DESCRIPTION	OPINION OF PROBABLE COST RANGE*	PRIORITY SCORE
1	Ronald Reagan Blvd	Palmetto Ave	SR 434	0.38	County	Longwood	3	2	3	11829	Safety improvements to match C4 context and increase pedestrian connectivity. Increase crosswalk density, add refuge islands, raise intersections, add landscaping buffer and median, and narrow lanes.	\$880,000 - \$1,090,000	93.75
2	25th St	Hardy Ave	US 17	0.88	County	Sanford	3	3	6	10556	Safety improvements increase pedestrian connectivity and reduce speeds. Add refuge islands, raised medians, segment lighting, reduced speed limits, and add shared use path.	\$1,230,000 - \$2,030,000	92.5
3	Lake Mary Blvd	SR 46	Canyon Pt	0.52	County	Unincorporated	1	6	2	8616	Safety improvements to manage off-road crashes. Add high-friction surface treatment, add segment and intersection lighting, add landscaping buffer and median, and make left-turns protected.	\$300,000 - \$1,040,000	67.5
4	Howell Branch Rd	Bear Gully Rd	SR 426	0.41	County	Unincorporated	1	1	2	7187	Safety improvements to improve bicycle safety and connectivity with trail. Add leading pedestrian intervals, curb radius reductions, add bike boxes, and upgrade bicycle crossings.	\$40,000 - \$110,000	62.5
5	H E Thomas Jr Pkwy	Bright Meadow Dr	Old Lake Mary Rd	2.79	County	Sanford	2	7	6	4093	Safety improvements to manage speeds and improve pedestrian connectivity. Add protected left turns, add appropriate speed limits, segment lighting, RRFB, RCUT, and crosswalks at uncontrolled locations.	\$350,000 - \$3,450,000	58.75
6	Martin Luther King Blvd	H E Thomas Jr Pkwy	20th Pl	0.84	County	Sanford	2	3	2	4060	Safety improvements to manage off-road crashes. Add chevron signs on horizontal curves, curve advance warning sign, appropriate speed limits, RCUT, and high friction surface treatment.	\$190,000 - \$1,640,000	58.75
7	Lake Mary Blvd	I-4 WB Ramps	N Country Club Rd	2.66	County	Lake Mary	2	5	7	6133	Safety improvements to increase roadway safety. Add refuge islands, add segment lighting, convert access to RIRO, add landscape buffer and median, add speed feedback sign, and add high visibility crosswalks.	\$1,540,000 - \$11,340,000	56.25
8	Ronald Reagan Blvd	SR 434	Lyman Rd	1.36	County	Longwood	3	4	2	4063	Safety improvements to manage speeds and turning conflicts. Add curb-return radius reduction, retroreflective signal backplates, RCUT, and speed cameras.	\$380,000 - \$4,320,000	56.25
9	Old Lake Mary Rd	Airport Blvd	Brightview Dr/Egrets Landing Dr	0.50	County	Unincorporated	2	0	2	4455	Safety improvements to increase intersection and roadway safety and manage conflicts near railway. Add larger warning signs, RTOR prohibition, separate right-turn phasing, signal head upgrades, appropriate speed limits, and segment lighting.	\$50,000 - \$280,000	53.75
10	Lake Mary Blvd	Country Club Rd	High St	0.47	County	Lake Mary	2	1	0	2137	Safety improvements to manage pedestrian safety. Add a leading pedestrian interval and pedestrian recall, and a refuge island.	\$20,000 - \$90,000	53.75
11	Ronald Reagan Blvd	Crystal Creek Dr	Jennifer Ct	0.90	County	Unincorporated	3	5	0	2052	Safety improvements to manage off-road crashes. Add curve advance warning sign, segment lighting, lane repurposing, superelevation at horizontal curve locations, intersection reconstruction and tightening, a refuge island, buffered bike lanes, and RCUT.	\$320,000 - \$3,890,000	53.75
12	Country Club Rd	North Rd	Ronald Reagan Blvd	0.50	County	Lake Mary	3	3	1	4238	Safety improvements to manage speeds and conflicts. Add segment lighting, RCUT, appropriate speed limits, speed feedback sign, speed cushion, yield to pedestrian sign, and channelized island/smart channel.	\$170,000 - \$2,410,000	53.75
13	Palm Springs Dr	Orlando Ave	Alpine St	0.85	County	Unincorporated	2	2	1	2591	Safety improvements to manage signal and pedestrian visibility. Upgrade signal heads, widen sidewalks, add a roundabout, a raised median, and install/upgrade pedestrian crossings at uncontrolled locations.	\$970,000 - \$1,770,000	53.75

COUNTY ROAD PROJECTS
PRIORITIZED NEEDS LIST

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14	Sanford Ave	Hunt Dr	28th Pl	0.5	County	Sanford	2	2	1	4506	Safety improvements to manage speeds. Add yellow and all red time extension, appropriate speed limits, lane repurposing, speed feedback sign, upgraded striping, and crosswalk restriping.	\$10,000 - \$870,000	53.75
15	Airport Blvd	Old Lake Mary Rd	Live Oak Blvd	0.4	County	Sanford	2	1	0	2757	Safety improvements to manage conflicts with a perpendicular railroad and speed. Add lane repurposing, intersection tightening, RRFB, RTOR prohibition, separate right turn phasing, intersection lighting, and speed cameras in the school zone.	\$110,000 - \$800,000	53.75
16	Ronald Reagan Blvd	Rose Dr	Meeting Pl	1.62	County	Sanford	1	5	6	5852	Safety improvements to improve pedestrian safety, crossing conditions, and roadway safety. Add intersection and segment lighting, refuge islands, pedestrian crossings, RRFB, RCUT, and signal head upgrades.	\$420,000 - \$5,330,000	52.5
17	Ronald Reagan Blvd	14th Ave	Palmetto Ave	0.57	County	Longwood	1	2	2	4957	Safety improvements to manage speeds and enhance user awareness and visibility. Add segment lighting, RCUTs, appropriate speed limits, speed feedback sign, raised intersection, enhanced daylighting/slow turn wedge, larger warning signs, and upgraded strip.	\$280,000 - \$2,490,000	52.5
18	Lake Mary Blvd	Ridge Dr	Sanford Ave	2.12	County	Sanford	1	12	2	3818	Safety improvements to manage turning conflicts. Add curve advance warning sign, segment and intersection lighting, yellow and all red extension time, permissive protected left turns, appropriate speed limits, slip lane closure, speed feedback signs, upgrade intersection pavement markings, and upgrade signal head.	\$880,000 - \$1,940,000	52.5
19	International Pkwy	Allure Ln	H E Thomas Jr Pkwy/CR 46A	0.58	County	Unincorporated	0	2	2	5368	Safety improvements to manage conflicts in time and improve pedestrian connectivity. Add segment lighting, traffic signal, RCUT, striping upgrades, pedestrian crossings, and RRFB.	\$230,000 - \$2,580,000	51.25
20	Howell Branch Rd	County Line	Dike Rd/ Tangerine Ave	2.09	County	Casselberry	0	7	7	6010	Safety improvements to manage speeds. Add segment and intersection lighting, RCUT, upgraded striping, hardened median nose extension, landscaped buffer, and speed feedback sign.	\$420,000 - \$5,330,000	51.25
21	Rinehart Rd	SR 46	WP Ball Blvd	0.79	County	Sanford	2	4	0	4125	Safety improvements to manage speeds and increase roadway safety. Manage accesses along corridor, add segment lighting, high friction surface treatment, signal head upgrade, and speed feedback sign.	\$220,000 - \$1,080,000	51.25
22	Rinehart Road	Towne Center Blvd	H E Thomas Jr Pkwy/CR 46A	0.81	County	Sanford	1	2	1	3521	Safety improvements to manage speeds and left turn conflicts. Add yellow and all red time extension, protected left turns, striping upgrades, appropriate speed limits, speed feedback signs.	\$10,000 - \$50,000	50
23	Celery Ave	Sipes Ave	SR 415	1.41	County	Unincorporated	1	1	4	3132	Safety improvements to manage intersection visibility and signage. Add intersection lighting, roundabouts, permissive protected left turns, and LED enhanced sign.	\$60,000 - \$1,060,000	50
24	Greenwood Blvd	Lake Emma Rd	Donegal Ave	0.46	County	Lake Mary	1	2	1	3912	Safety improvements to manage left-turn crashes. Add RCUT, protected left turns, traffic signals, roundabouts, and lane repurposing.	\$200,000 - \$3,380,000	50
25	Greenwood Blvd	Lake Mary Blvd	Canterbury Dr	0.43	County	Lake Mary	1	2	1	4732	Safety improvements to manage speeds and increase attentiveness. Add lane repurposing, doubled-up, oversized stop signs, curb-return radius return, and speed cushions.	\$200,000 - \$620,000	50
26	Lake Emma Rd	Greenwood Blvd	Green Way Blvd	1.11	County	Lake Mary	1	3	1	2315	Safety improvements to manage off-road crashes and improve pedestrian safety. Add segment and intersection lighting, pedestrian crossing time extension, a roundabout, and lane repurposing.	\$1,000 - \$1,300,000	50

COUNTY ROAD PROJECTS
PRIORITIZED NEEDS LIST

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27	Longwood Lake Mary Rd	Acorn Dr	Ronald Reagan Blvd	0.50	County	Unincorporated	1	0	2	4455	Safety improvements to improve bicycle safety and manage speeds. Add LED-enhanced signage, separated bikeway, speed feedback sign, intersection lighting, fill the sidewalk gap, and install/upgrade pedestrian crossing.	\$130,000 - \$190,000	50
28	Tuskawilla Rd	Windcrest Pl	Eagle Blvd/ Amherst Way	0.75	County	Unincorporated	1	3	1	3487	Safety improvements to manage speeds and turning conflicts. Add segment lighting, appropriate speed limits, yellow and all red time extension, permissive protected left turns, flourescent sheeting sign upgrades.	\$1,000 - \$380,000	50
29	Snow Hill Rd	Jacobs Trl	Yellow Trail Pl/ Avenue H	0.64	County	Unincorporated	1	0	2	3070	Safety improvements to manage speed. Add appropriate speed limits, doubled-up oversized stop signs, curb-return radius reduction, roundabouts, and speed feedback signs.	\$90,000 - \$1,120,000	50
30	Chuluota Rd	Old Chuluota Rd	5th St	0.98	County	Unincorporated	1	4	1	2510	Safety improvements to manage visibility along curve and reduce speed and turning conflicts. Add segment and intersection lighting, curve advance warning signs, curb-return radius reduction, raised median, access managment, and a roundabout.	\$1,040,000 - \$2,560,000	50
31	Dodd Rd	Red Bug Lake Rd	Dike Rd	0.76	County	Unincorporated	1	3	1	3200	Safety improvements to manage speeds and more specifically, speeds around curves. Add appropriate speed limits, curve advance warning signs, segment lighting, lane repurposing, roundabouts, permissive protected left turns and raised medians.	\$770,000 - \$3,330,000	50
32	Wekiva Springs Rd	Riverbend Blvd	Fox Valley Dr	0.37	County	Unincorporated	1	1	1	4072	Safety improvements to manage speeds and driver attentiveness. Add yellow and all-red time extension, raised median, curve advance warning sign, speed feedback sign, and flourescent sheeting on signs.	\$530,000 - \$710,000	50
33	Red Bug Lake Rd	Brooks Ln/ Rising Sun Blvd	Hollow Pine Dr	1.52	County	Unincorporated	0	4	3	3734	Safety improvements to manage turning conflicts and improve pedestrian and bicyclist safety. Add segment and intersection lighting, shared use path, leading pedestrian interval, refuge islands, RRFB, and speed feedback signs.	\$790,000 - \$1,550,000	48.75
34	E Broadway St	Boston Ave	Louise Ave	0.59	County	Oviedo	0	3	1	3514	Safety improvements to manage turning conflicts and pedestrian visibility. Add a roundabout at Stephen Ave, control access management, install/upgrade pedestrian crossing, remove obstructions for sightlines, intersection reconstruction and tightening, raised median, widened sidewalks and/or bike facilities, and widen/ pave shoulder.	\$760,000 - \$1,490,000	48.75
35	Lake Howell Rd	Lake Howell Ln	Willow Ln	0.96	County	Casselberry	3	0	0	588	Safety improvements to manage intersection conflicts. Add a roundabout, segment lighting, and RCUT.	\$200,000 - \$2,980,000	48.75
36	H E Thomas Jr Pkwy	Orange Blvd	Rinehart Rd	0.95	County	Unincorporated	0	1	2	3904	Safety improvements to improve pedestrian and bicyclist safety. Add doubled-up and oversized stop signs, segment lighting, yellow and all red time extension, and permissive protected left turns.	\$1,000 - \$490,000	46.25
37	Hunt Club Blvd	Wekiva Trl	Sand Lake Rd	0.50	County	Unincorporated	0	0	2	4354	Safety improvements to improve bicyclist and pedestrian safety. Add curb ramps for ADA compliance, curb extension, high visibility crosswalk, RRFB, separated bikeway, and refuge island.	\$20,000 - \$90,000	46.25
38	H E Thomas Jr Pkwy	Rinehart Rd	Bright Meadow Dr	0.57	County	Lake Mary	1	0	1	2516	Safety improvements to manage turning conflicts and improve pedestrian and bicyclist safety. Add segment lighting, curve advance warning signs, landscape buffer, and protected left turns.	\$1,000 - \$640,000	45
39	Lake Mary Blvd	Markham Woods Rd	I-4 WB Ramps	0.99	County	Unincorporated	0	2	1	2800	Safety improvements to manage speed and intersection functionality. Add appropriate speed limits, speed feedback signs, extend yellow and all red time, striping through intersection, and RCUT.	\$70,000 - \$1,040,000	41.25

County Road Projects Project Sheets

1. Ronald Reagan Blvd, Palmetto Ave to SR 434

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	1 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	2 Motorcyclist
0 Motorist	2 Motorist
5 Total KSI	

Existing Conditions

C4	Context Classification
30	Posted Speed Limit
50	Operating Speed
Features	Street parking from Warren Ave to Palmetto Ave, bike lanes, parking buffer, retroreflective backplates

Potential Solutions



Refuge Island at Church Ave Intersection



Increase Crosswalk Density



Raised Intersection at Church Ave



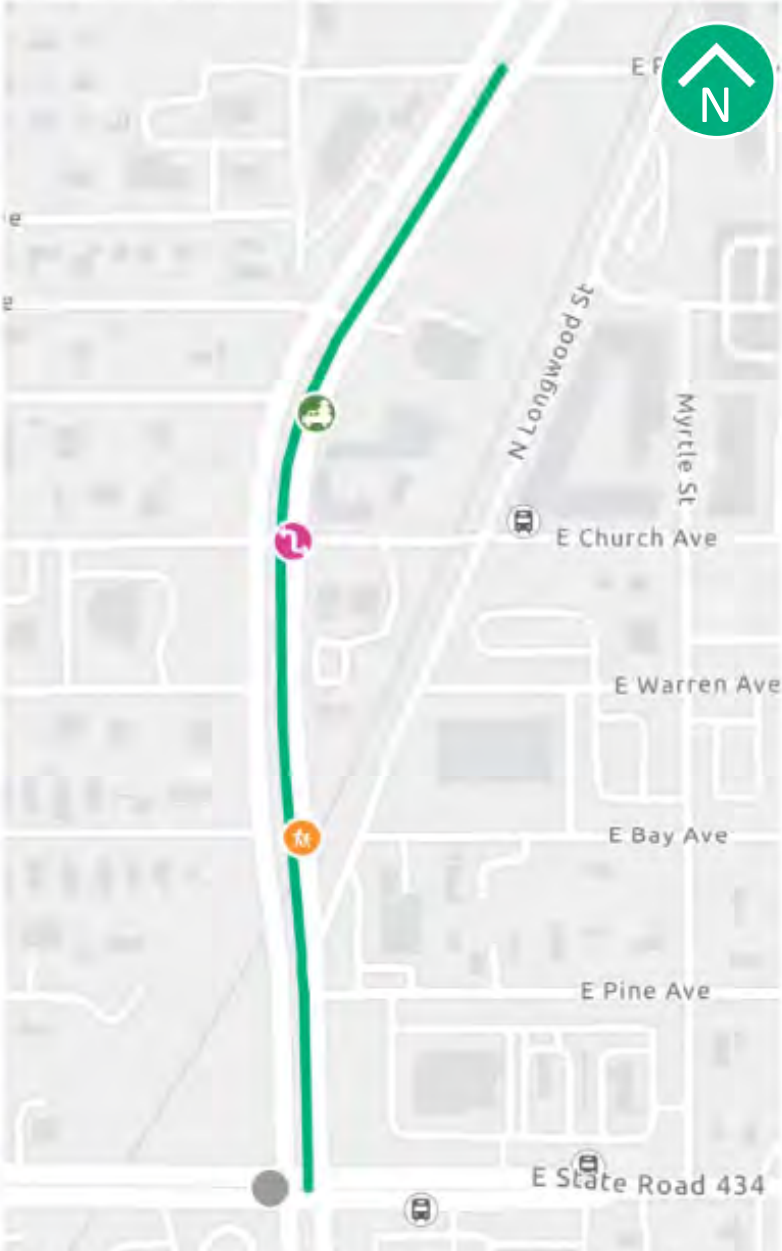
Landscaped Buffer and Median



Lane Narrowing

0.38 Miles
Crash Score: 11,829

Jurisdiction: County



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

- Sideswipe
- Rollover
- Off Road
- Other

*Deaths shown with icon outlined in black

- Death
- Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

2. 25th St, Hardy Ave to US 17

Crash History (2018 - 22)

Deadly	Serious Injury
3 Pedestrian	1 Pedestrian
0 Bicyclist	1 Bicyclist
0 Motorcyclist	1 Motorcyclist
2 Motorist	1 Motorist
9 Total KSI	

Existing Conditions

C3R	Context Classification
45	Posted Speed Limit
51	Operating Speed
Features	Raised median, high-visibility crosswalks, retroreflective backplates

Potential Solutions



Refuge Island



Segment Lighting



Appropriate Speed Limits

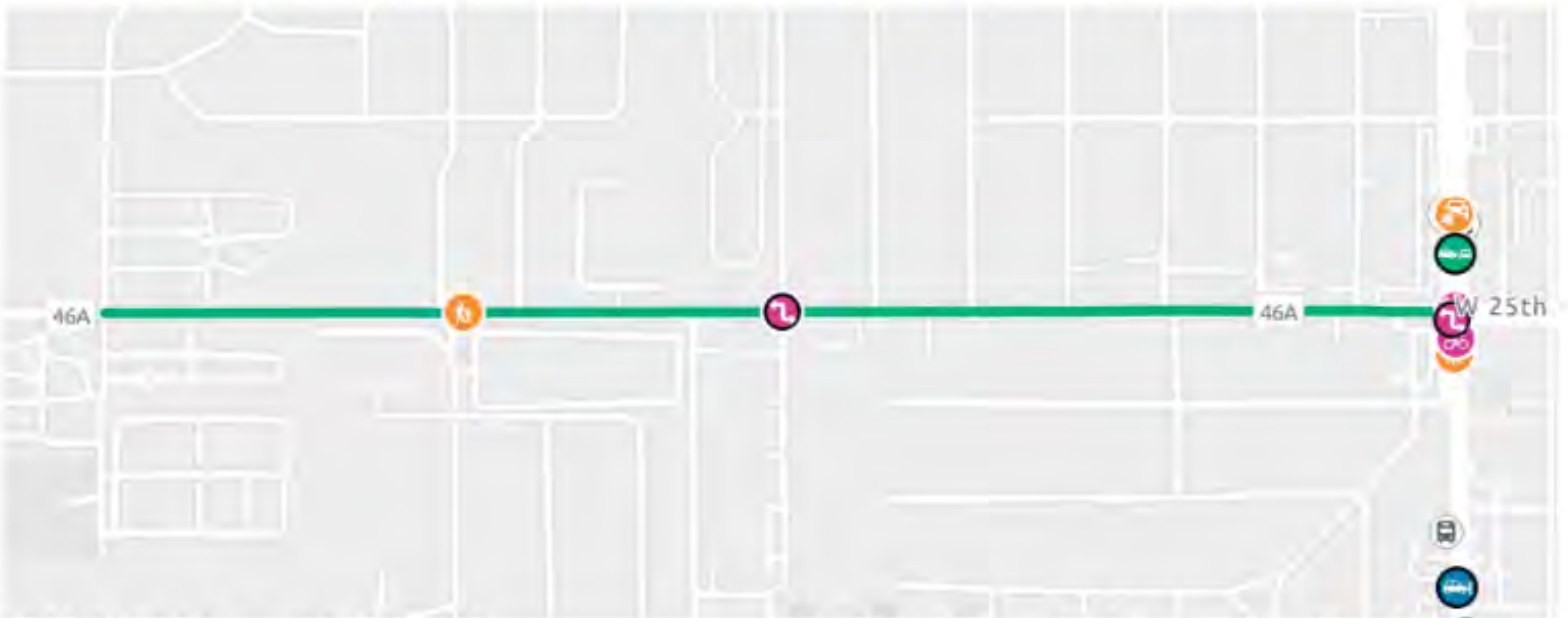
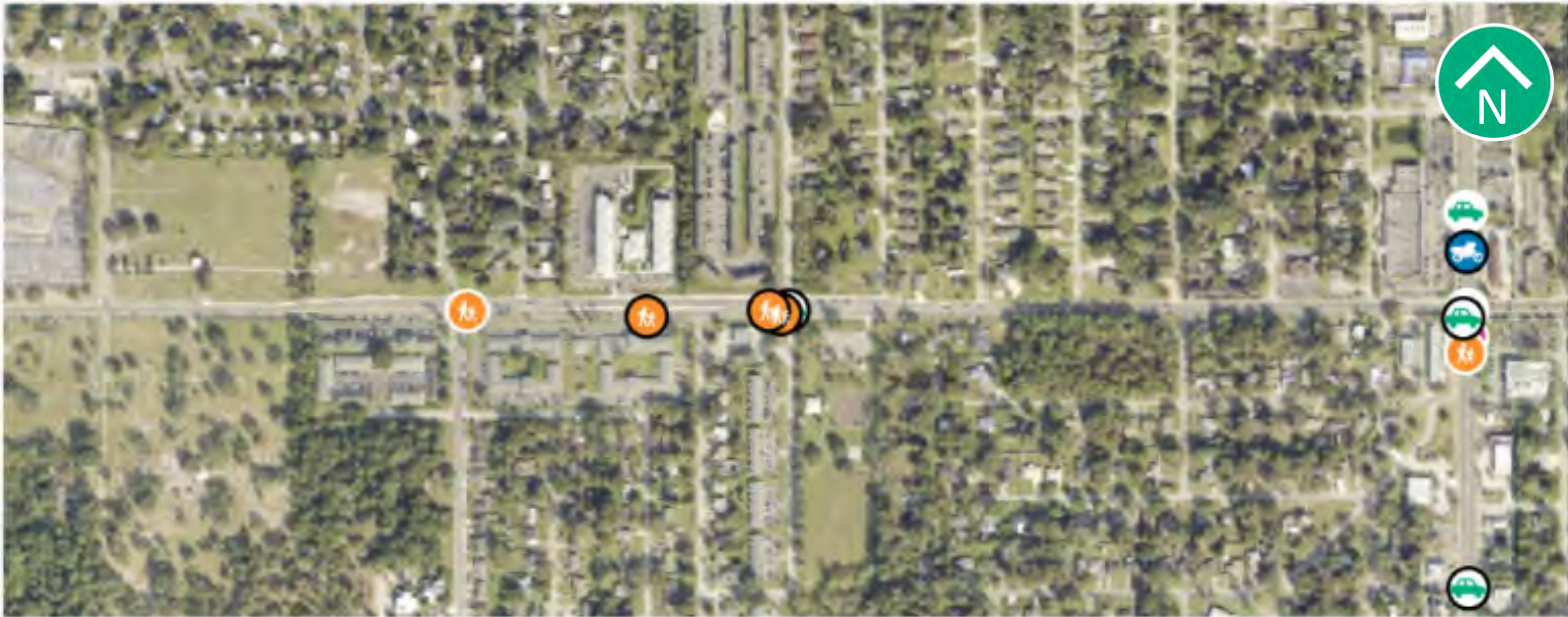


Raised Median



Shared-Use Path

0.88 Miles
Crash Score: 10,556
Jurisdiction: County



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

*Deaths shown with icon outlined in black

- Sideswipe
- Rollover
- Off Road
- Other

Death

Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

3. Lake Mary Blvd, SR 46 to Canyon Pt


Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	2 Motorcyclist
1 Motorist	5 Motorist
8 Total KSI	


Existing Conditions

C3R	Context Classification
50	Posted Speed Limit
63	Operating Speed
Features	Raised median, bike lanes


Potential Solutions




High Friction Surface Treatment




Segment Lighting



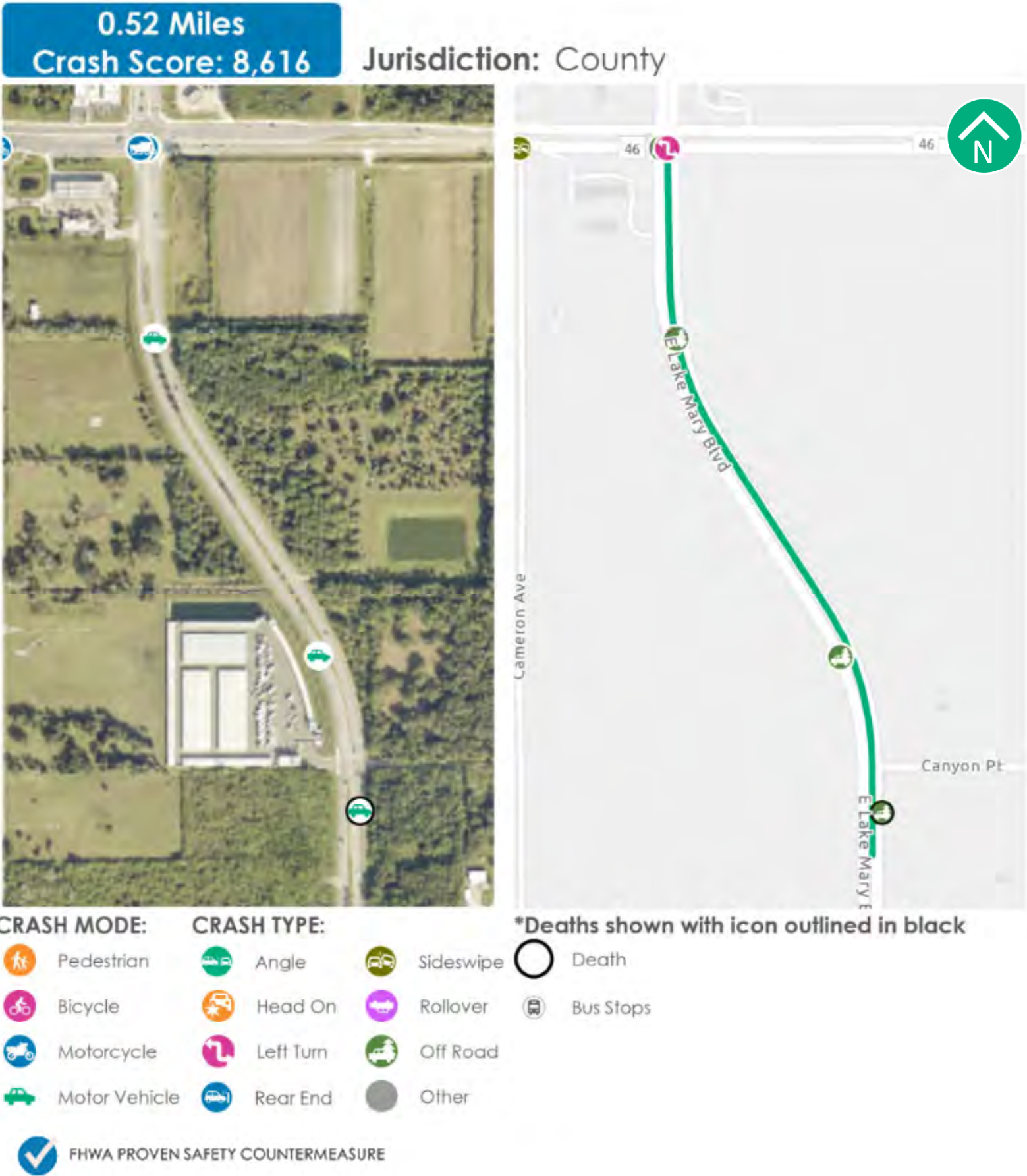
Intersection Lighting



Landscaped Buffer and Median



Protected Left Turns



4. Howell Branch Rd, Bear Gully Rd to SR 426

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	2 Bicyclist
0 Motorcyclist	0 Motorcyclist
0 Motorist	1 Motorist
3 Total KSI	

Existing Conditions

C3R	Context Classification
40	Posted Speed Limit
52	Operating Speed
Features	Raised median, Cady Way Trail and Cross Seminole Trail at Howell Branch Rd and SR 426 intersection

Potential Solutions



Leading Pedestrian Interval



Curb-Return Radius Reduction



Bike Box



Bicycle Crossing



5. H E Thomas Jr Pkwy, Bright Meadow Dr to Old Lake Mary

Crash History (2018 - 22)

Deadly	Serious Injury
2 Pedestrian	2 Pedestrian
0 Bicyclist	0 Bicyclist
1 Motorcyclist	1 Motorcyclist
0 Motorist	7 Motorist
13 Total KSI	

Existing Conditions

C3R	Context Classification
45	Posted Speed Limit
52	Operating Speed
Features	Raised median, high-visibility crosswalks

Potential Solutions

Appropriate Speed Limits

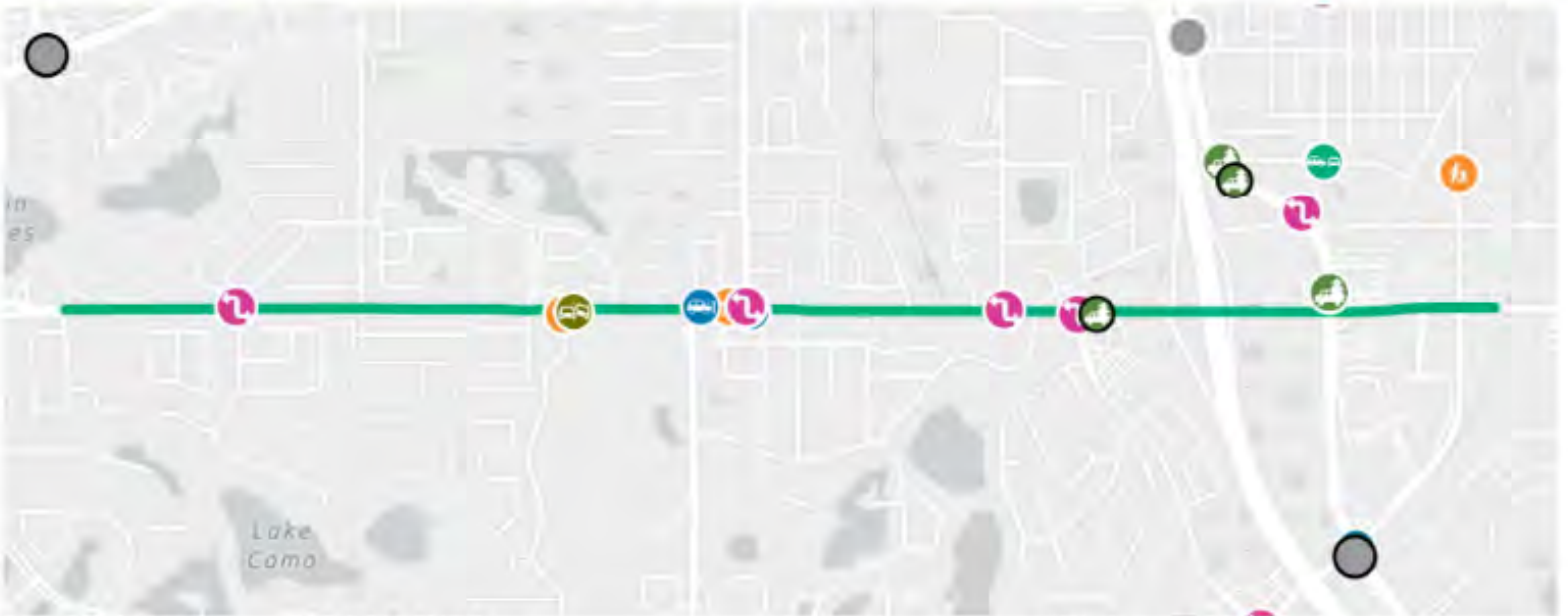
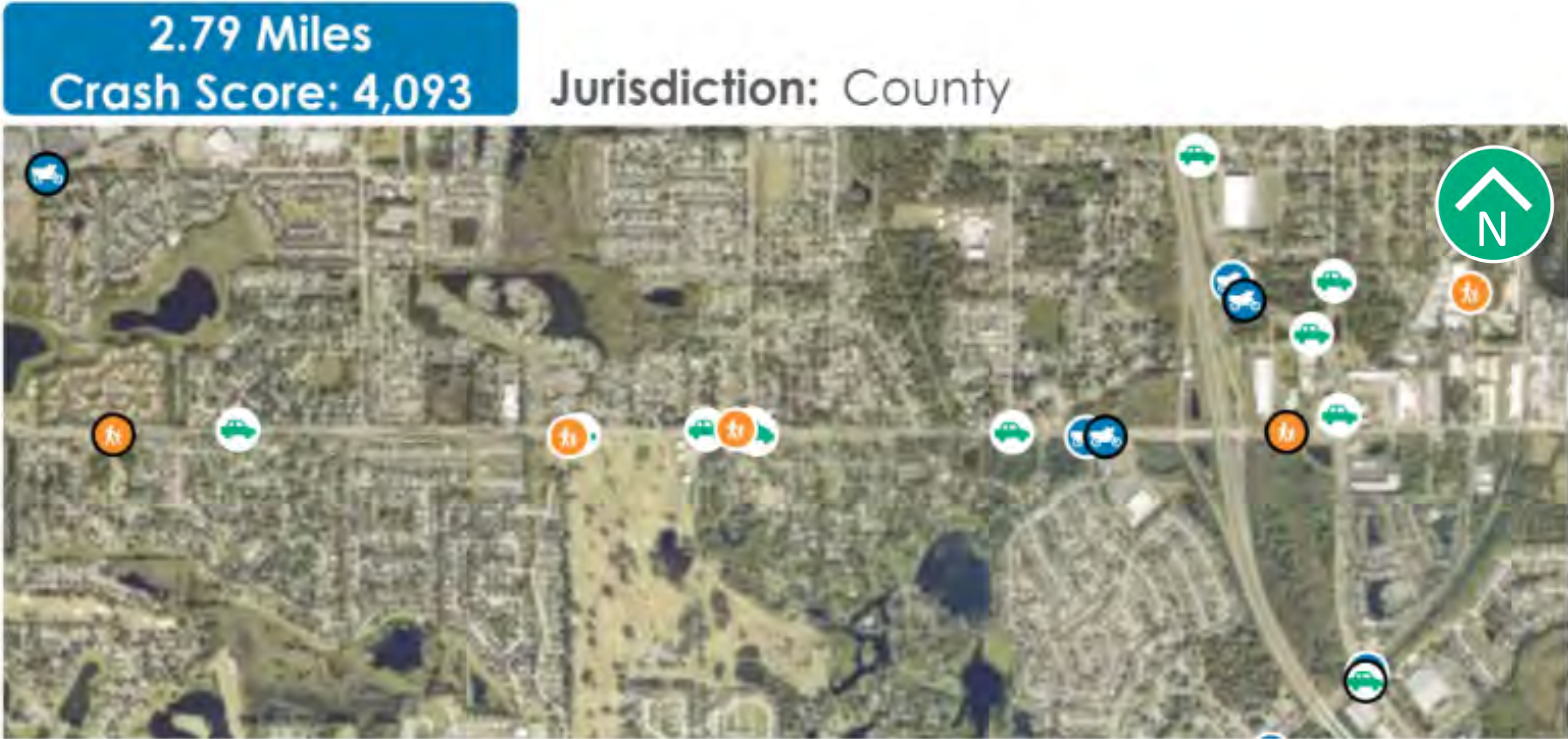
Reduced Left Turn Conflict Intersection

Segment Lighting

Protected Left Turns

Rectangular Rapid Flashing Beacon

Install/Upgrade Pedestrian Crossing at Uncontrolled Locations



CRASH MODE:

Pedestrian
 Bicycle
 Motorcycle
 Motor Vehicle

CRASH TYPE:

Angle
 Head On
 Left Turn
 Rear End
 Sideswipe
 Rollover
 Off Road
 Other

*Deaths shown with icon outlined in black

Death
 Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

6. Martin Luther King Blvd, H E Thomas Jr Pkwy to 20th Pl

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
1 Motorcyclist	1 Motorcyclist
0 Motorist	3 Motorist
5 Total KSI	

Existing Conditions

C3R	Context Classification
45	Posted Speed Limit
59	Operating Speed
Features	Raised median

Potential Solutions

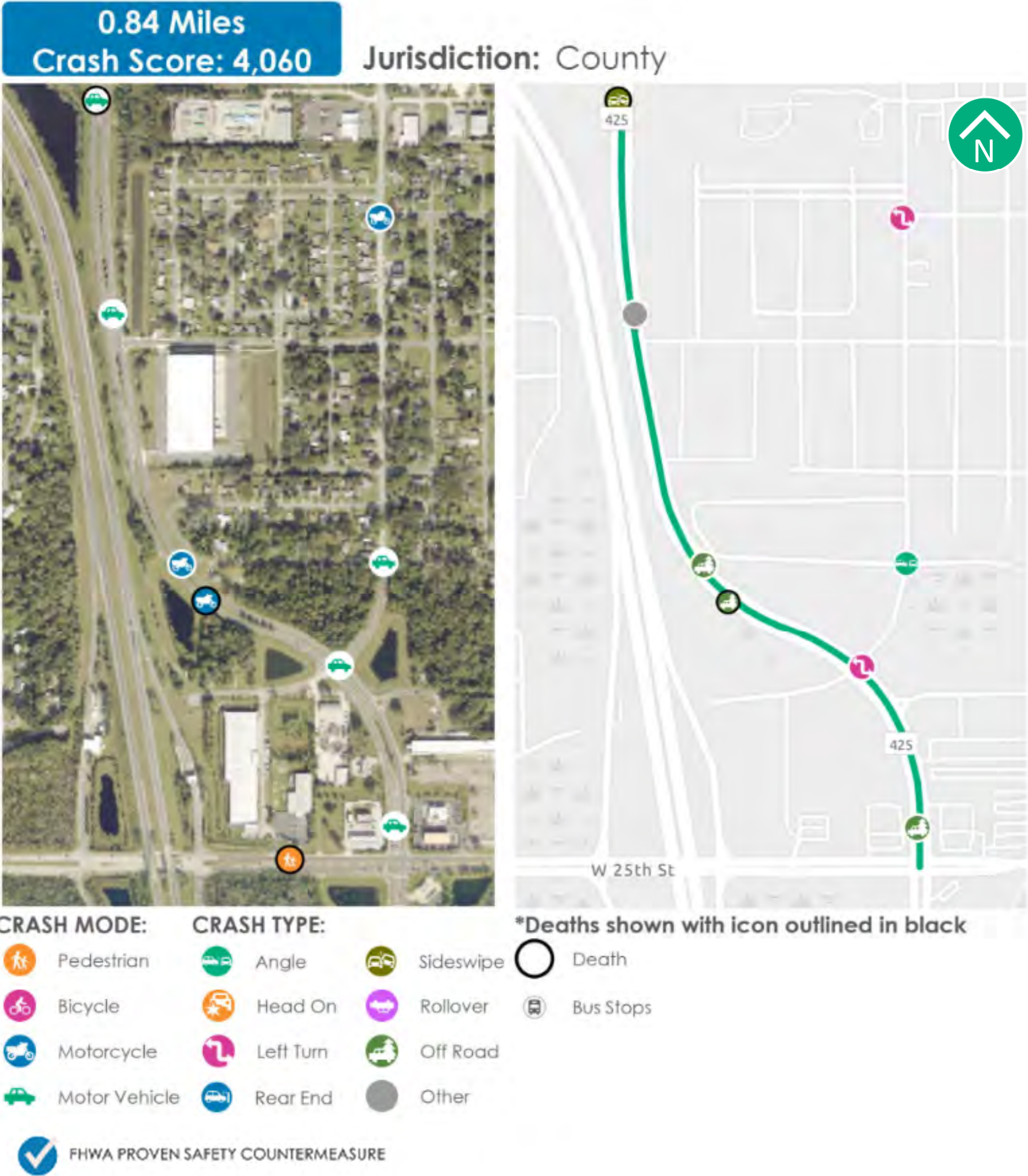
Chevron Signs on Horizontal Curves

Curve Advance Warning Sign

Appropriate Speed Limits

Reduced Left-Turn Conflict Intersection

High Friction Surface Treatment



7. Lake Mary Blvd, I-4 WB Ramps to N Country Club Rd

Crash History (2018 - 22)

Deadly	Serious Injury
1 Pedestrian	3 Pedestrian
0 Bicyclist	1 Bicyclist
0 Motorcyclist	2 Motorcyclist
0 Motorist	5 Motorist
12 Total KSI	

Existing Conditions

C3C	Context Classification
35	Posted Speed Limit
51	Operating Speed
Features	Raised median, trailhead at Lake Mary Blvd and Rinehart Rd, striping through intersection, reduced left-turn conflict intersections

Potential Solutions

Refuge Islands

Segment Lighting

Reduced Left-Turn Conflict Intersection

Landscaped Buffer and Median

Speed Feedback Signs

High-Visibility Crosswalks



8. Ronald Reagan Blvd, SR 434 to Lyman Rd


Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	2 Motorcyclist
0 Motorist	4 Motorist
6 Total KSI	


Existing Conditions

C3C	Context Classification
35	Posted Speed Limit
48	Operating Speed
Features	Raised median, high-visibility crosswalks


Potential Solutions




Curb-Return Radius Reduction



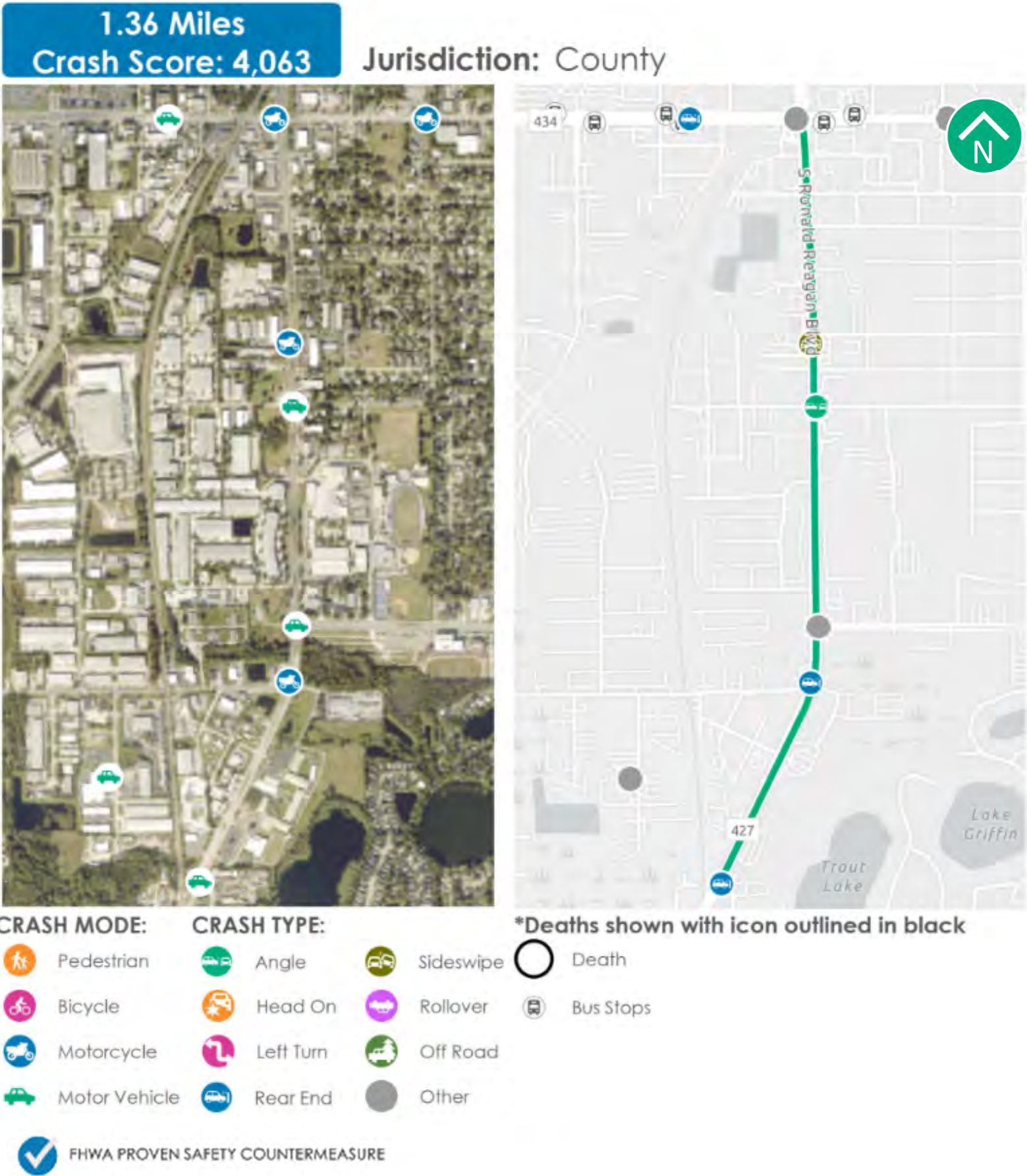
Retroreflective Signal Backplates



Reduced Left-Turn Conflict Intersection



Speed Cameras



9. Old Lake Mary Road, Airport Blvd to Brightview Dr/Egrets Landing Dr

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	2 Motorcyclist
0 Motorist	0 Motorist
2 Total KSI	

Existing Conditions

C3R	Context Classification
45	Posted Speed Limit
51	Operating Speed
Features	Railroad along the eastern side of Old Lake Mary Blvd

Potential Solutions

Upgrade to Larger Warning Signs

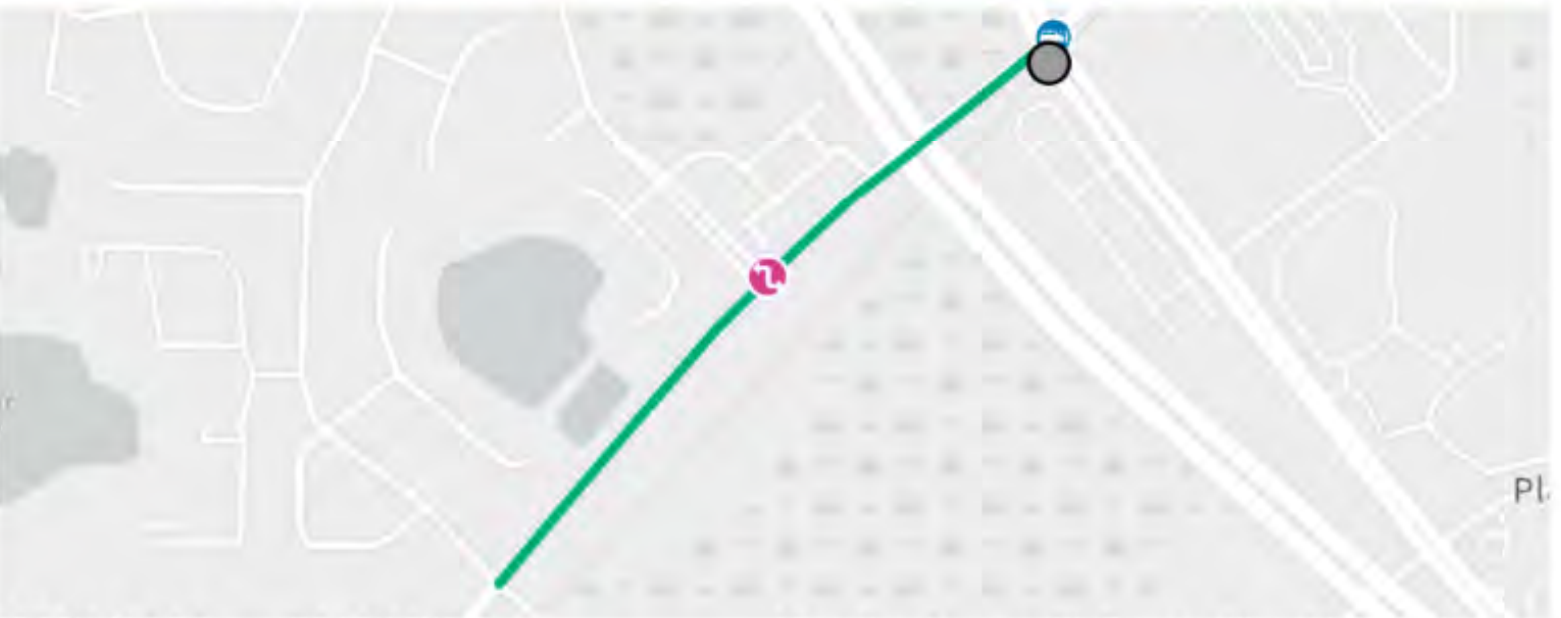
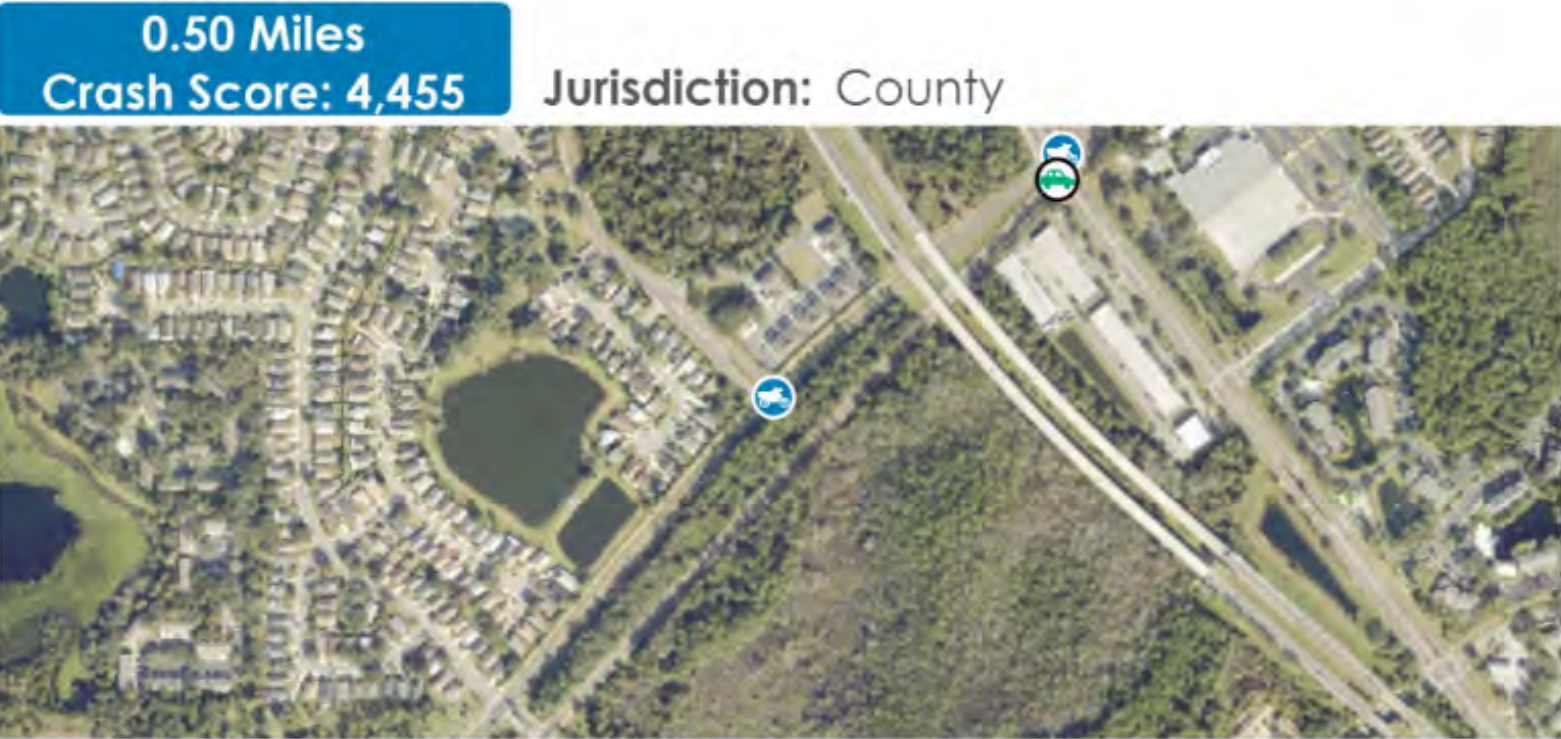
Prohibit Right-Turn-on-Red at Old Lake Mary Rd & Airport Blvd

Separate Right-Turn Phasing at Old Lake Mary Rd & Airport Blvd

Upgrade Signal Head

Appropriate Speed Limits

Segment Lighting



CRASH MODE:	CRASH TYPE:	*Deaths shown with icon outlined in black
Pedestrian	Angle	Sideswipe
Bicycle	Head On	Rollover
Motorcycle	Left Turn	Off Road
Motor Vehicle	Rear End	Other
FHWA PROVEN SAFETY COUNTERMEASURE		Death
		Bus Stops

10. Lake Mary Blvd, Country Club Rd to High St

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
0 Motorist	1 Motorist
1 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
53	Operating Speed
Features	Raised median, high-visibility crosswalks, sidewalks

Potential Solutions



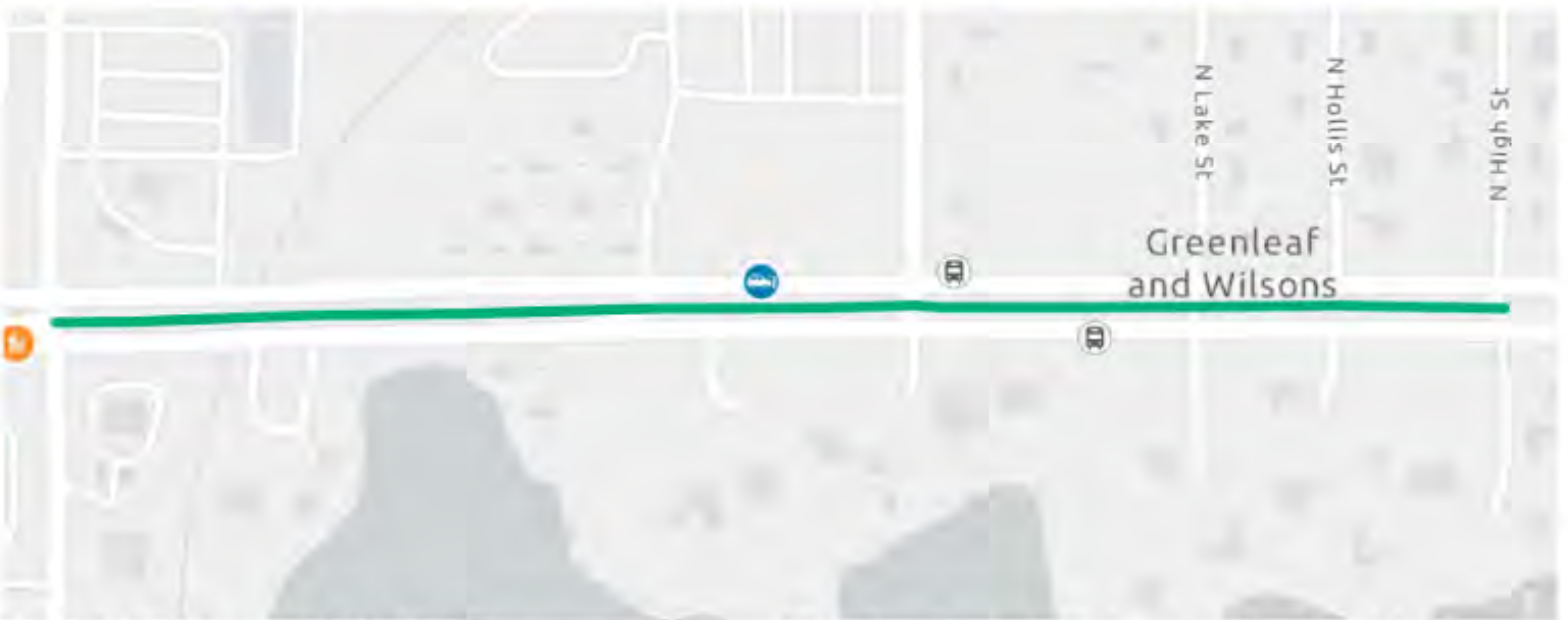
Leading Pedestrian Interval and Pedestrian Recall



Refuge Island at Lake Mary Blvd & Country Club Rd

0.47 Miles
Crash Score: 2,137

Jurisdiction: County



CRASH MODE:

Pedestrian

Bicycle

Motorcycle

Motor Vehicle

CRASH TYPE:

Angle

Head On

Left Turn

Rear End

Sideswipe

Rollover

Off Road

Other

*Deaths shown with icon outlined in black

Death

Bus Stops

 FHWA PROVEN SAFETY COUNTERMEASURE

11. Ronald Reagan Blvd, Crystal Creek Dr to Jennifer Ct

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
0 Motorist	5 Motorist
5 Total KSI	

Existing Conditions

C3R	Context Classification
45	Posted Speed Limit
55	Operating Speed
Features	Raised median, high-visibility crosswalks

Potential Solutions

Curve Advance Warning Sign

Segment Lighting

Lane Repurposing

Superelevation at Horizontal Curve Locations

Intersection Reconstruction and Tightening

Refuge Island at Ronald Reagan Blvd & Country Club Rd

Buffered Bike Lane

Reduced Left-Turn Conflict Intersection



12. Country Club Dr, North Rd to Ronald Reagan Blvd


Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	1 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
1 Motorist	2 Motorist
4 Total KSI	


Existing Conditions

C3C	Context Classification
40	Posted Speed Limit
47	Operating Speed
Features	Raised median, high-visibility crosswalks


Potential Solutions




Speed Feedback Sign




Segment Lighting




Speed Cushion




Reduced Left-Turn Conflict Intersection



Yield to Pedestrians Sign



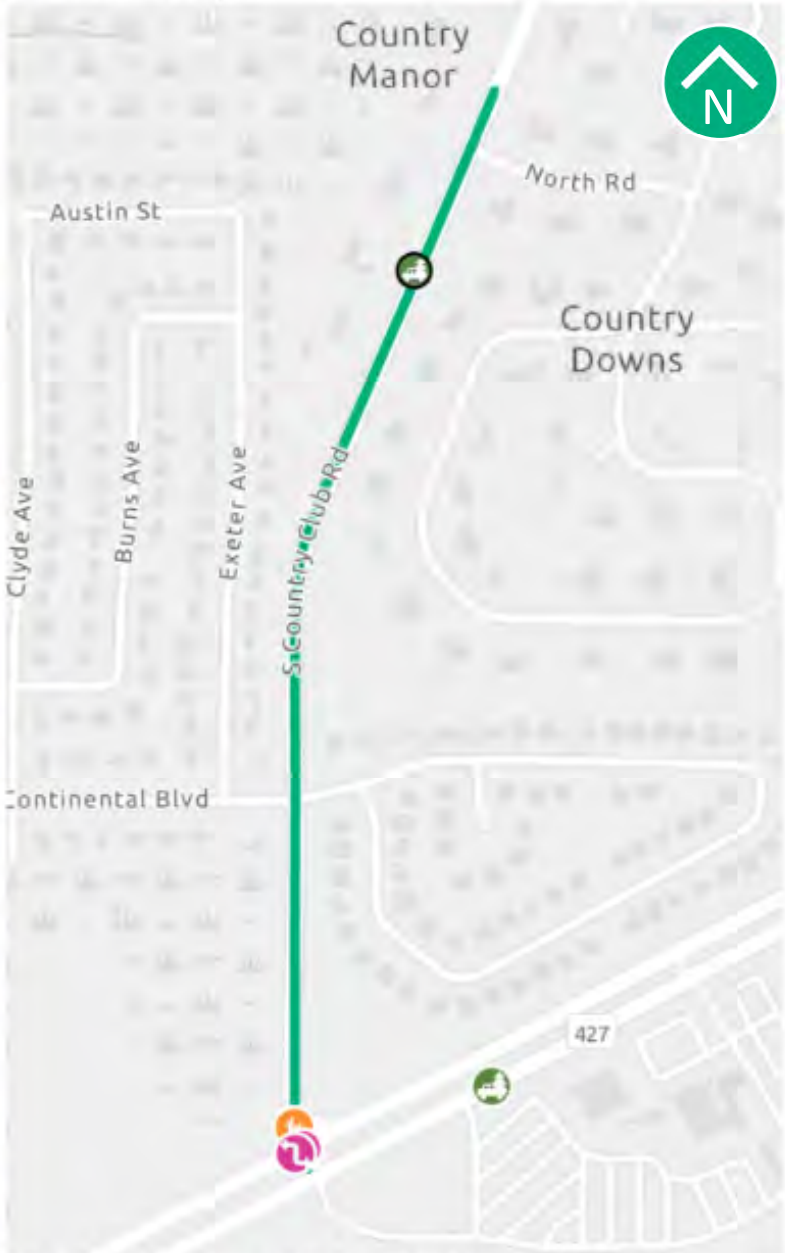
Appropriate Speed Limits



Channelized Island / Smart Channel

0.50 Miles
Crash Score: 4,238

Jurisdiction: County



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

- Sideswipe
- Rollover
- Off Road
- Other

*Deaths shown with icon outlined in black

- Death
- Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

13. Palm Springs Dr, Orlando Ave to Alpine St


Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	1 Motorcyclist
0 Motorist	2 Motorist
3 Total KSI	


Existing Conditions

C3R	Context Classification
30	Posted Speed Limit
42	Operating Speed
Features	Sidewalks, high-visibility crosswalks


Potential Solutions




Upgrade Signal Head




Widen Sidewalk



Roundabout



Raised Median



Install/Upgrade Pedestrian Crossing at Uncontrolled Locations



14. Sanford Ave, Hunt Dr to 28th Pl


Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	1 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
1 Motorist	1 Motorist
3 Total KSI	


Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
49	Operating Speed
Features	Raised median, high-visibility crosswalks, sidewalks


Potential Solutions




Extend Yellow and All Red Time




Appropriate Speed Limits




Speed Feedback Sign



Upgrade Striping



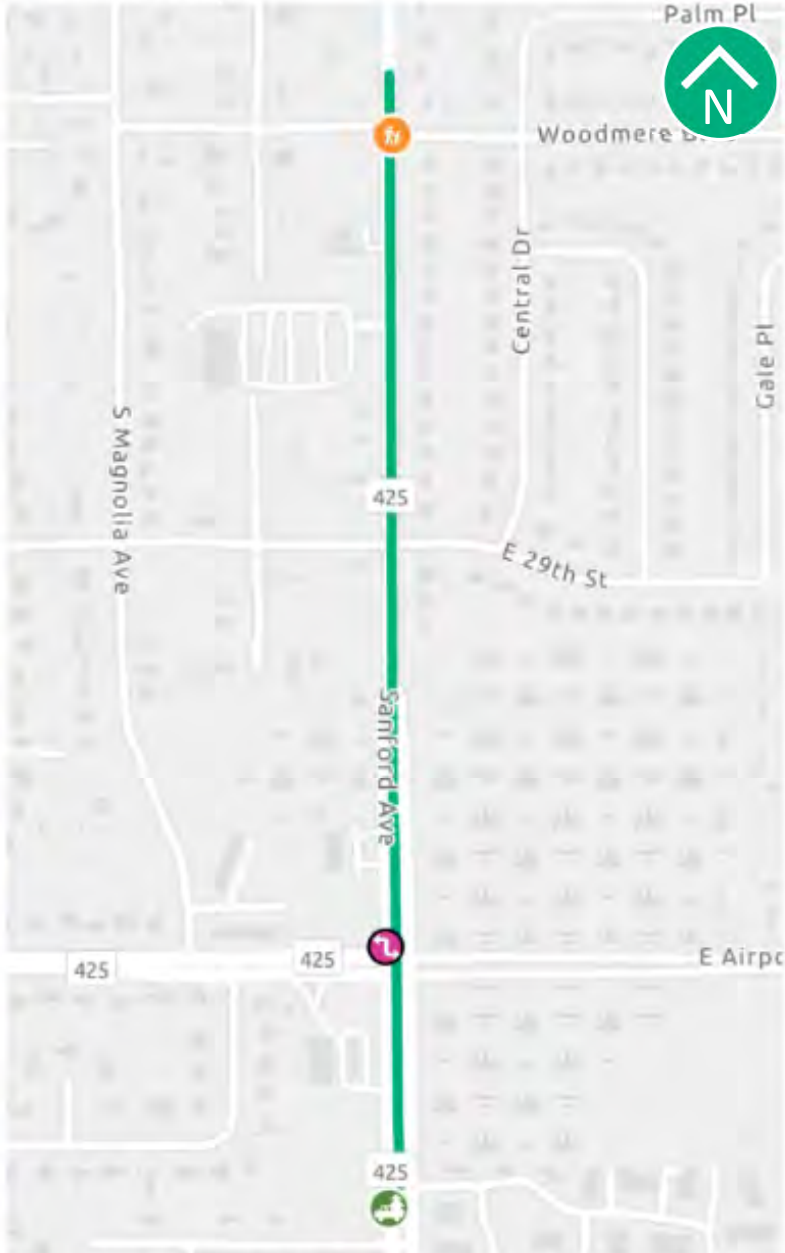
Restripe Crosswalk



Lane Repurposing

0.50 Miles
Crash Score: 4,506

Jurisdiction: County



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

- Sideswipe
- Rollover
- Off Road
- Other

*Deaths shown with icon outlined in black

- Death
- Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

15. Airport Blvd, Old Lake Mary Rd to Live Oak Blvd

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
1 Motorist	0 Motorist
1 Total KSI	

Existing Conditions

C3R	Context Classification
45	Posted Speed Limit
54	Operating Speed
Features	Raised median, high-visibility crosswalks, school zone

Potential Solutions

Speed Cameras in School Zone

Intersection Lighting

Prohibit Right-Turn-on-Red

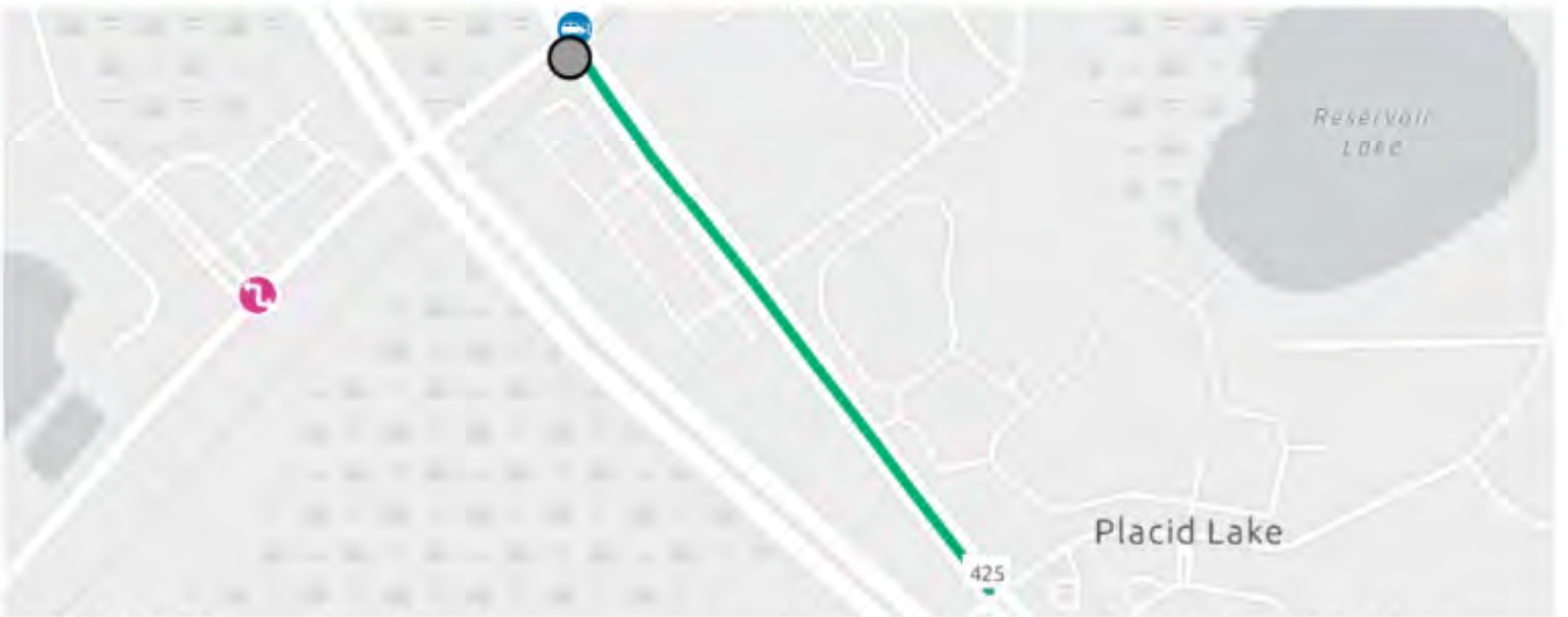
Separate Right-Turn Phasing

Flashing Beacon as Advance Warning

Lane Repurposing

Intersection Tightening

0.41 Miles
Crash Score: 2,757
Jurisdiction: County



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

*Deaths shown with icon outlined in black

- Sideswipe
- Rollover
- Off Road
- Other

Death

Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

16. Ronald Reagan Blvd, Rose Dr to Meeting Pl

Crash History (2018 - 22)

Deadly	Serious Injury
1 Pedestrian	1 Pedestrian
0 Bicyclist	0 Bicyclist
1 Motorcyclist	3 Motorcyclist
1 Motorist	4 Motorist
11 Total KSI	

Existing Conditions

C3R	Context Classification
45	Posted Speed Limit
56	Operating Speed
Features	Medians, sidewalks, high-visibility crosswalks

Potential Solutions

Intersection Lighting

Segment Lighting

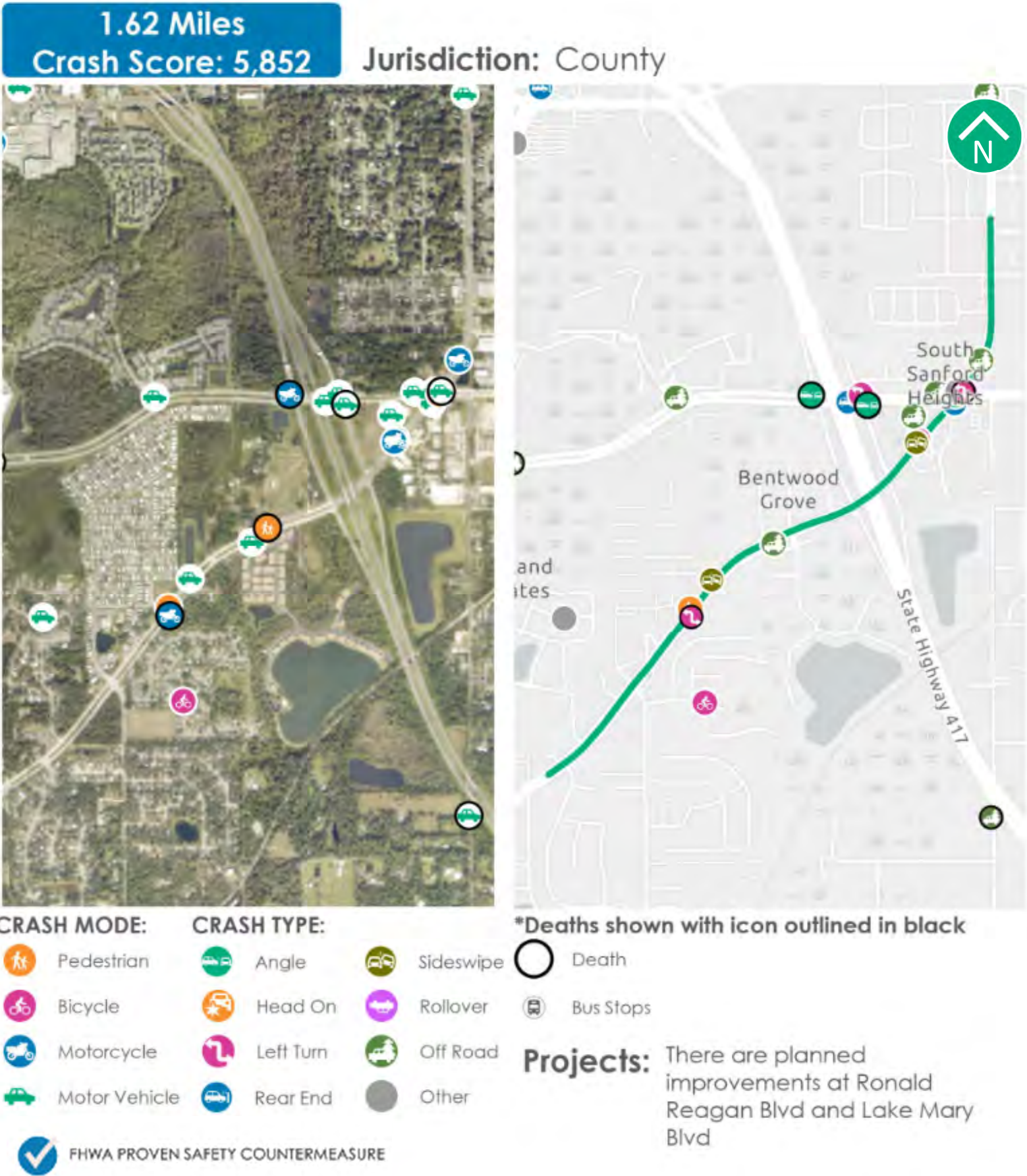
Upgrade Signal Head

Reduced Left-Turn Conflict Intersection

Refuge Island

Rectangular Rapid Flashing Beacon

Install/Upgrade Pedestrian Crossing at Uncontrolled Locations



17. Ronald Reagan Blvd, 14th Ave to Palmetto Ave

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	2 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
0 Motorist	2 Motorist
4 Total KSI	

Existing Conditions

C3C*	Context Classification
45	Posted Speed Limit
50	Operating Speed
Features	Raised median, sidewalk

Potential Solutions



Raised Intersection at Palmetto Ave



Enhanced Daylighting/Slow Turn Wedge



Upgrade Striping



Reduced Left-Turn Conflict Intersection



Appropriate Speed Limits



Speed Feedback Sign



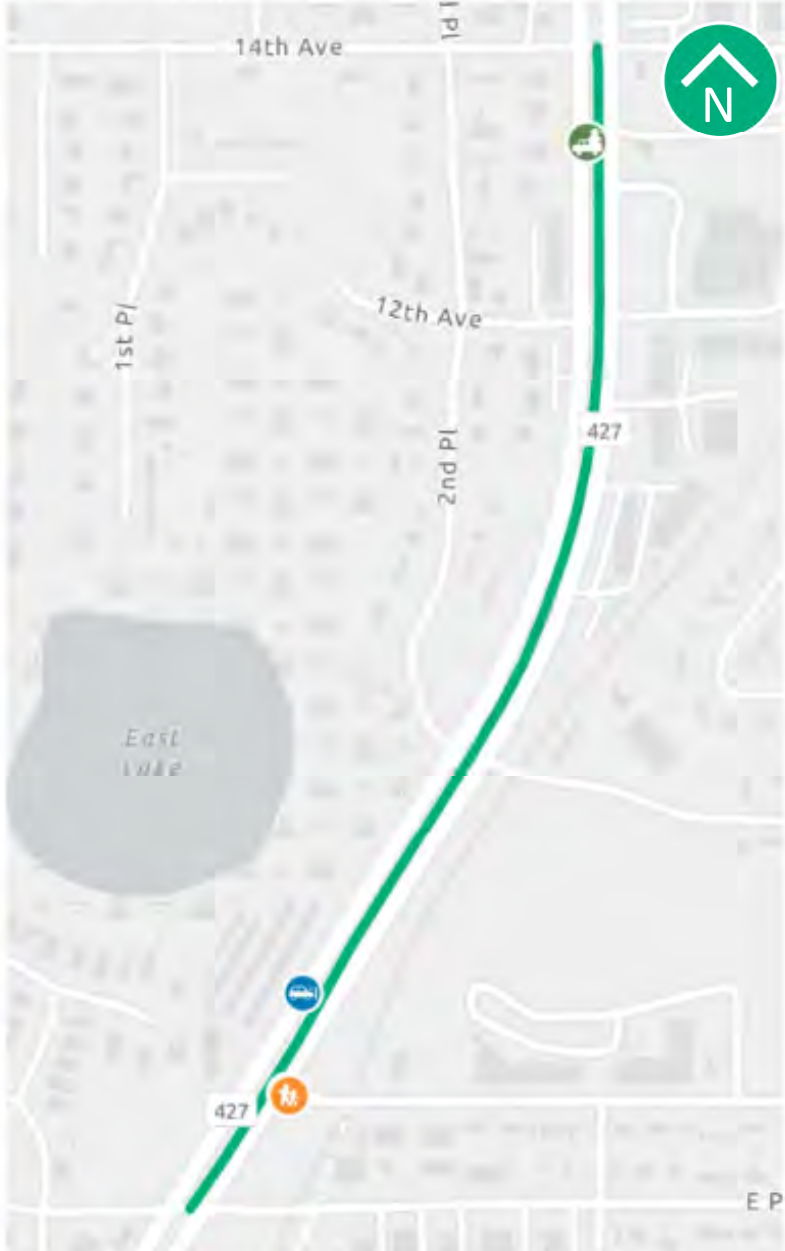
Segment Lighting



Upgrade to Larger Warning Signs

0.57 Miles
Crash Score: 4,957

Jurisdiction: County



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

- Sideswipe
- Rollover
- Off Road
- Other

*Deaths shown with icon outlined in black

- Death
- Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

18. Lake Mary Blvd, Ridge Dr to Sanford Ave

Crash History (2018 - 22)


Deadly	Serious Injury
0 Pedestrian	1 Pedestrian
0 Bicyclist	0 Bicyclist
1 Motorcyclist	0 Motorcyclist
2 Motorist	10 Motorist

14 Total KSI


Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
54	Operating Speed
Features	Raised median, high-visibility crosswalks


Potential Solutions



Curve Advance Warning Sign




Segment Lighting




Extend Yellow and All Red Time




Permissive Protected Left Turns




Upgrade Intersection Pavement Markings




Appropriate Speed Limits




Close Slip Lane



Speed Feedback Signs



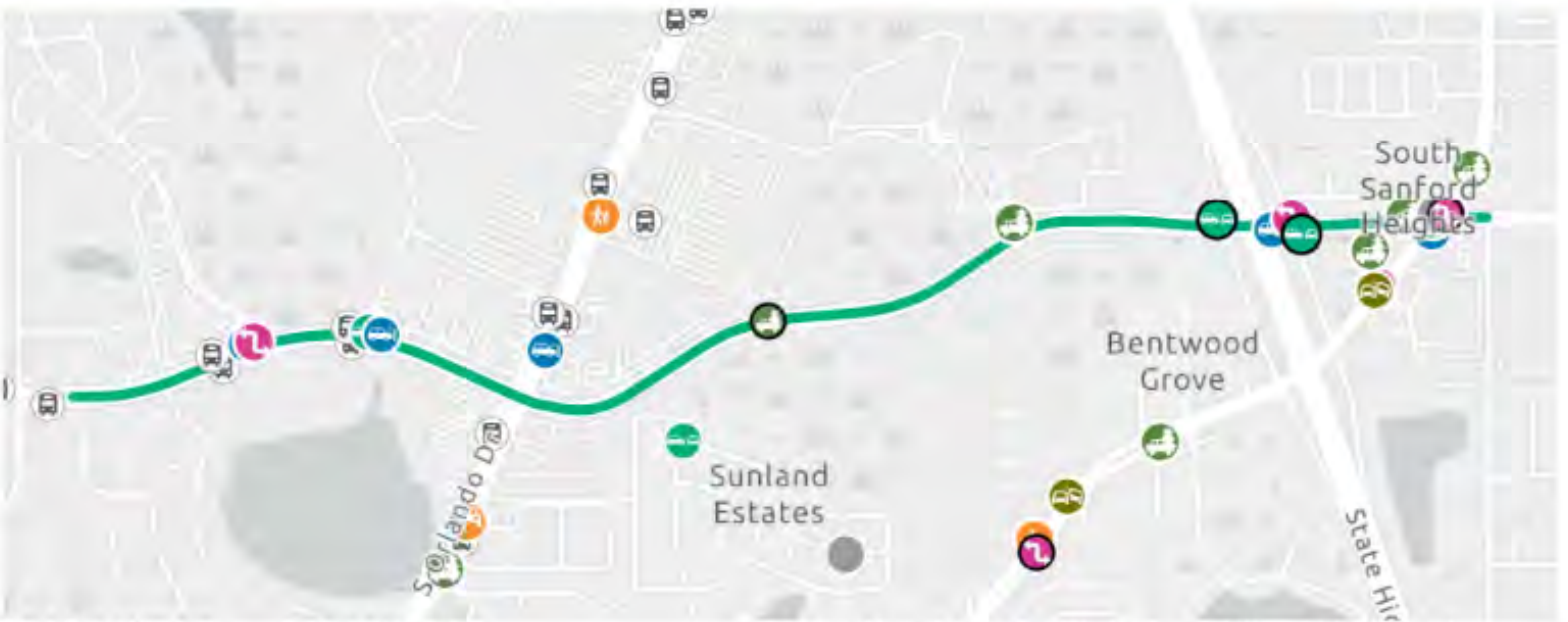
Upgrade Signal Head



Intersection Lighting

2.12 Miles
Crash Score: 3,818

Jurisdiction: County



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

*Deaths shown with icon outlined in black

- Sideswipe
- Rollover
- Off Road
- Other

Projects:

There are planned improvements at Ronald Reagan Blvd and Lake Mary Blvd

FHWA PROVEN SAFETY COUNTERMEASURE

19. International Pkwy, Allure Ln to H E Thomas Jr Pkwy/ CR 46A

Crash History (2018 - 22)

Deadly	Serious Injury
1 Pedestrian	0 Pedestrian
0 Bicyclist	1 Bicyclist
0 Motorcyclist	0 Motorcyclist
0 Motorist	2 Motorist
4 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
49	Operating Speed
Features	Raised median, mid-block crossing, high-visibility crosswalks, Seminole Wekiva Trail along west side, RRFB

Potential Solutions



Traffic Signal, Colonial Grand



Reduced Left-Turn Conflict Intersection




Upgrade Intersection Pavement Markings



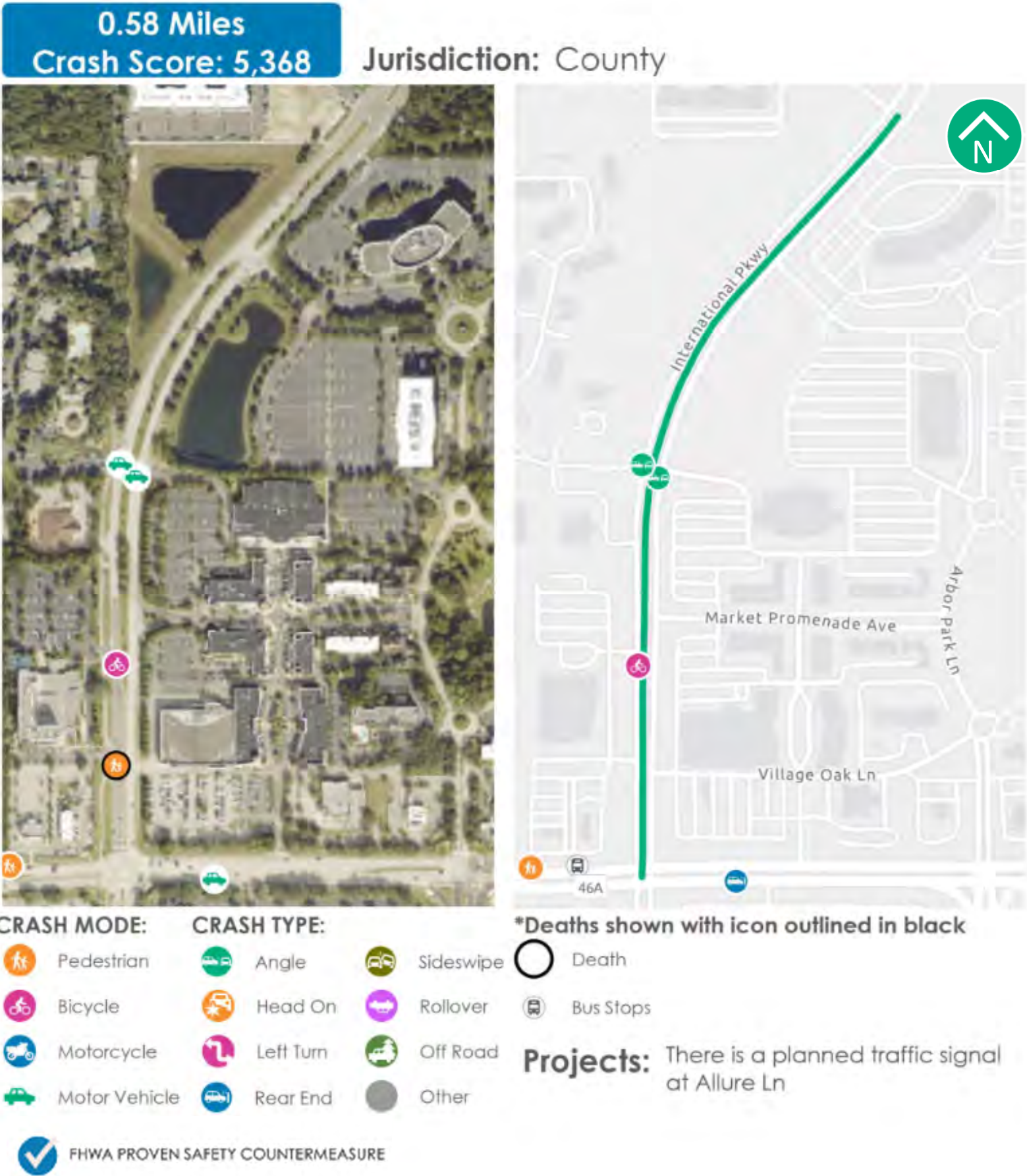
Install/Upgrade Pedestrian Crossing at Uncontrolled Locations



Rectangular Rapid Flashing Beacon



Segment Lighting



20. Howell Branch Rd, County Line to Dike Rd/Tangerine Ave

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	1 Pedestrian
0 Bicyclist	0 Bicyclist
1 Motorcyclist	5 Motorcyclist
1 Motorist	6 Motorist
14 Total KSI	

Existing Conditions

C3R	Context Classification
40	Posted Speed Limit
54	Operating Speed
Features	Raised median, trail crossing, traffic signals, high-visibility crosswalks

Potential Solutions

Reduced Left-Turn Conflict Intersection

Segment Lighting

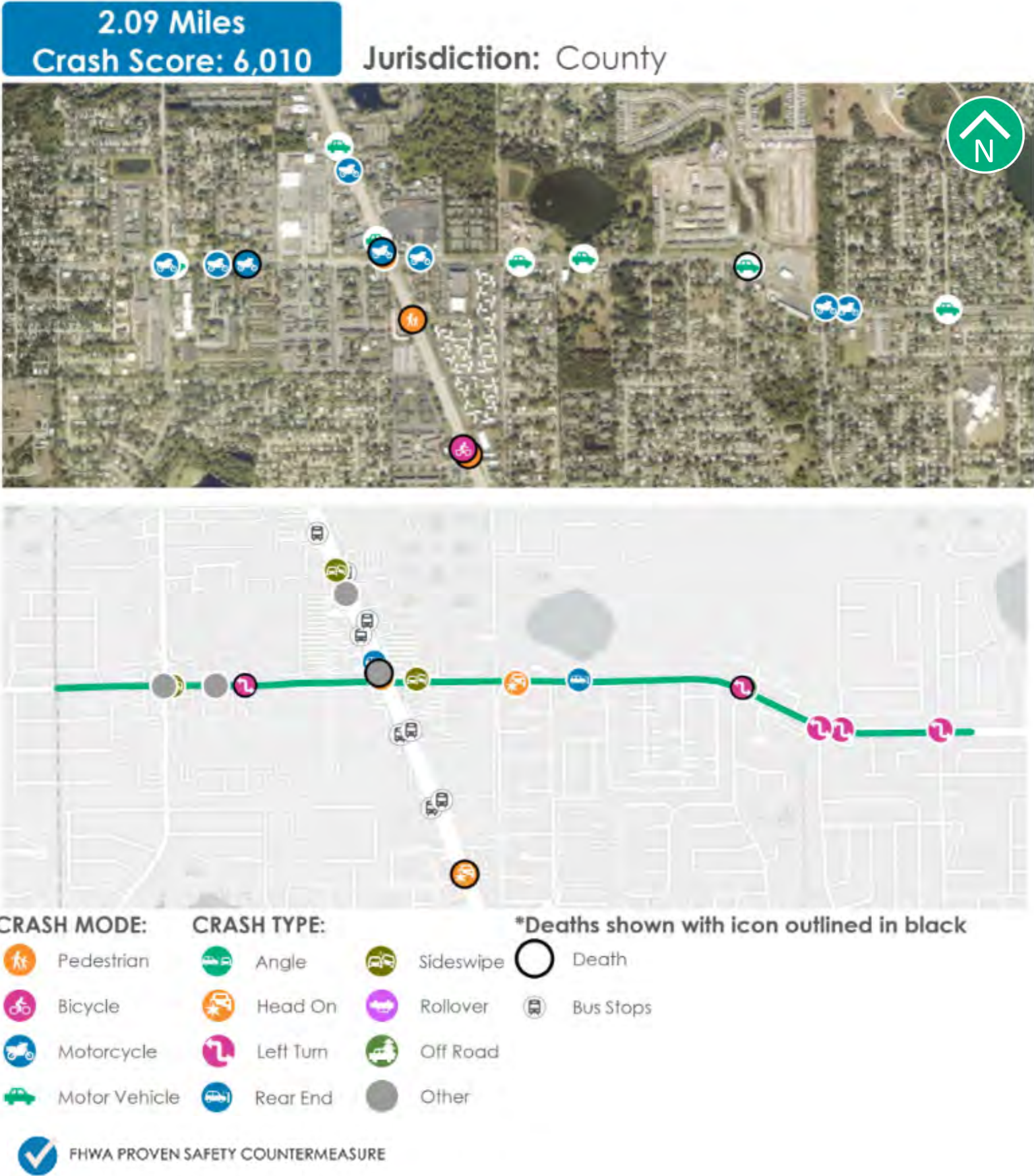
Intersection Lighting

Upgrade Striping

Hardened Median Nose Extension

Landscaped Buffer

Speed Feedback Sign



21. Rinehart Rd, SR 46 to WP Ball Blvd


Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
1 Motorist	3 Motorist
4 Total KSI	


Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
48	Operating Speed
Features	Raised median, high-visibility crosswalks, sidewalks, trail on east side


Potential Solutions




Segment Lighting




High Friction Surface Treatment



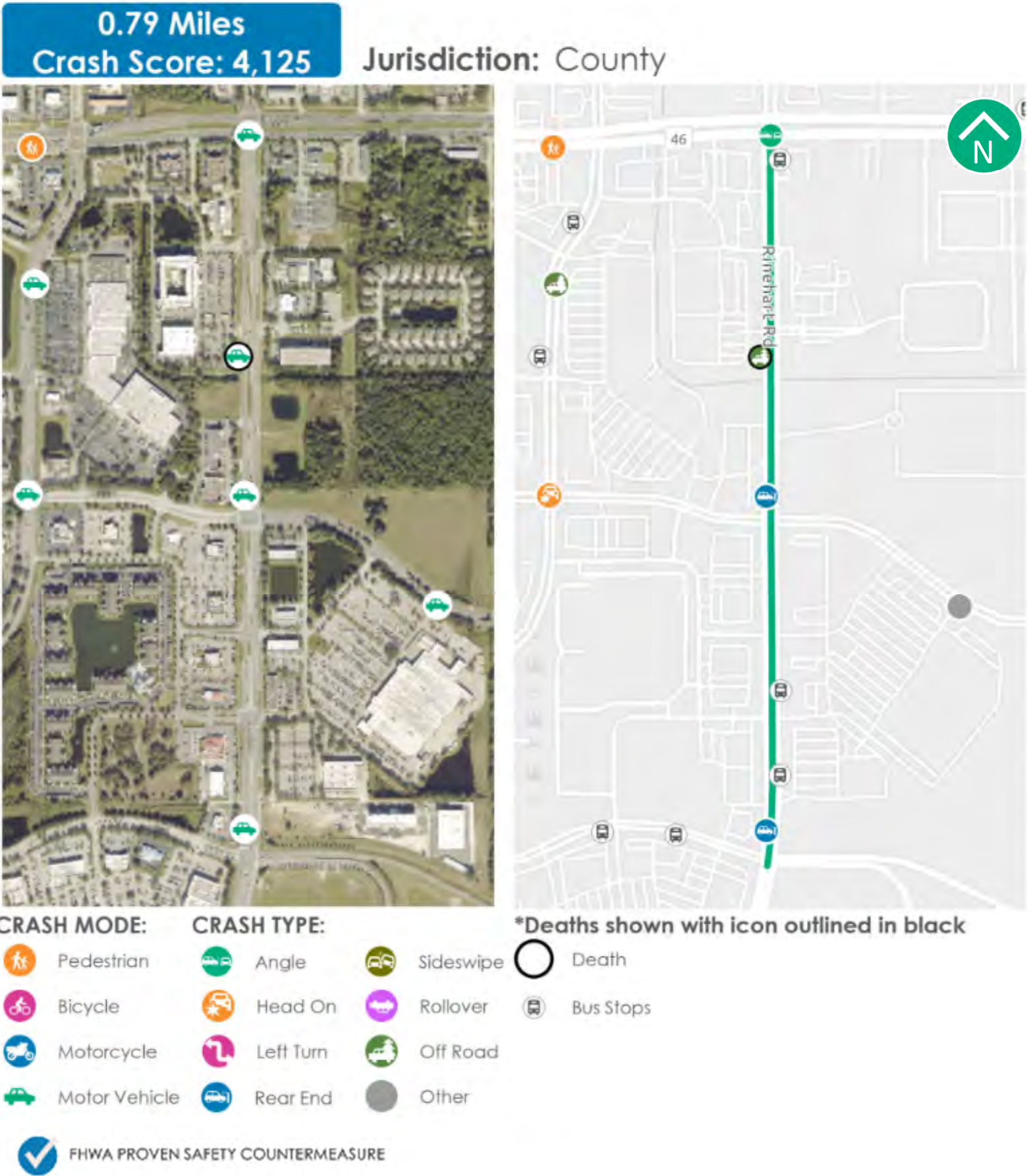
Upgrade Signal Head



Speed Feedback Sign



Access Management



22. Rinehart Road, Towne Center Blvd to H E Thomas Jr Pkwy/ CR 46A

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
1 Motorcyclist	0 Motorcyclist
0 Motorist	2 Motorist
3 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
52	Operating Speed
Features	Raised median, high-visibility crosswalks

Potential Solutions

Extend Yellow and All Red Time

Protected Left Turns

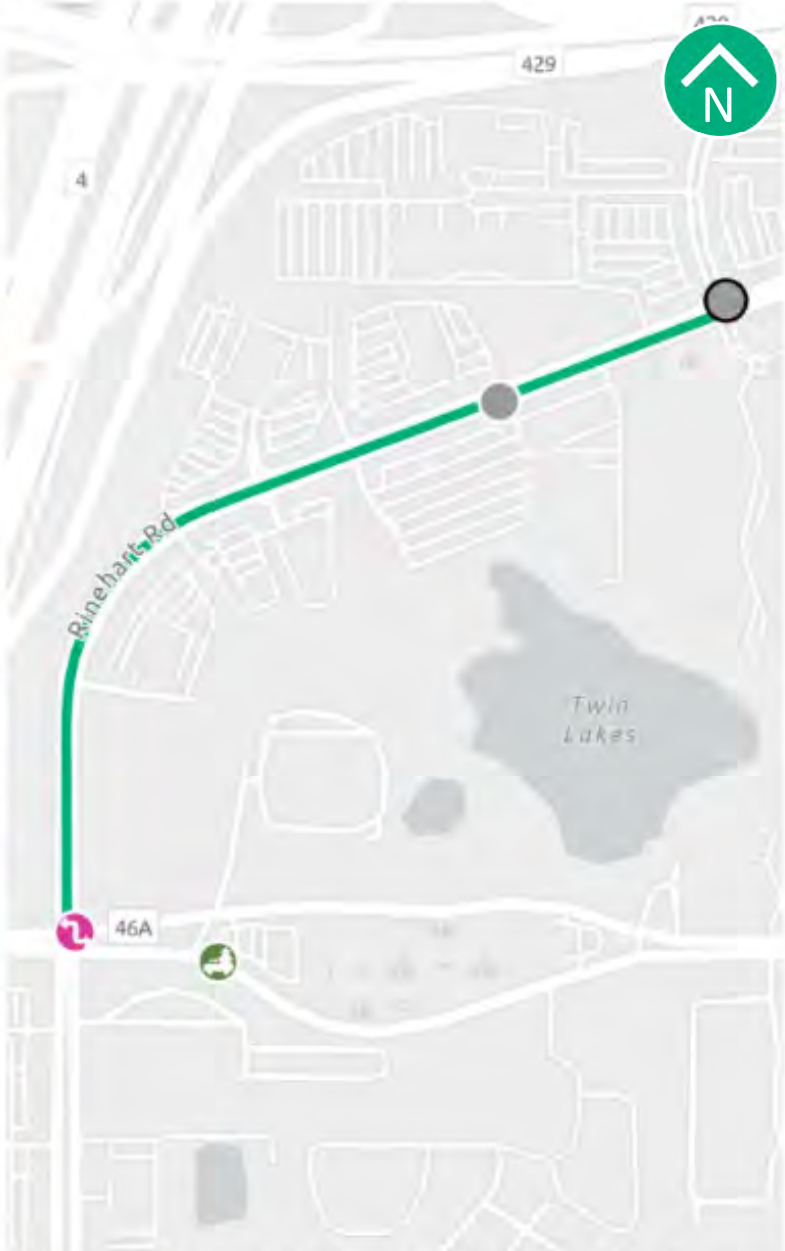
Upgrade Striping

Appropriate Speed Limits

Speed Feedback Signs

0.81 Miles
Crash Score: 3,521

Jurisdiction: County



CRASH MODE:

Pedestrian
 Bicycle
 Motorcycle
 Motor Vehicle

CRASH TYPE:

Angle
 Head On
 Left Turn
 Rear End

Sideswipe
 Rollover
 Off Road
 Other

*Deaths shown with icon outlined in black

Death
 Bus Stops

Projects:

There is a planned traffic signal for the Sam's Club southern driveway

FHWA PROVEN SAFETY COUNTERMEASURE

23. Celery Ave, Sipes Ave to SR 415

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
2 Motorcyclist	2 Motorcyclist
0 Motorist	1 Motorist
5 Total KSI	

Existing Conditions

N/A	Context Classification
45	Posted Speed Limit
59	Operating Speed
Features	High-visibility crosswalks


Potential Solutions



Intersection Lighting



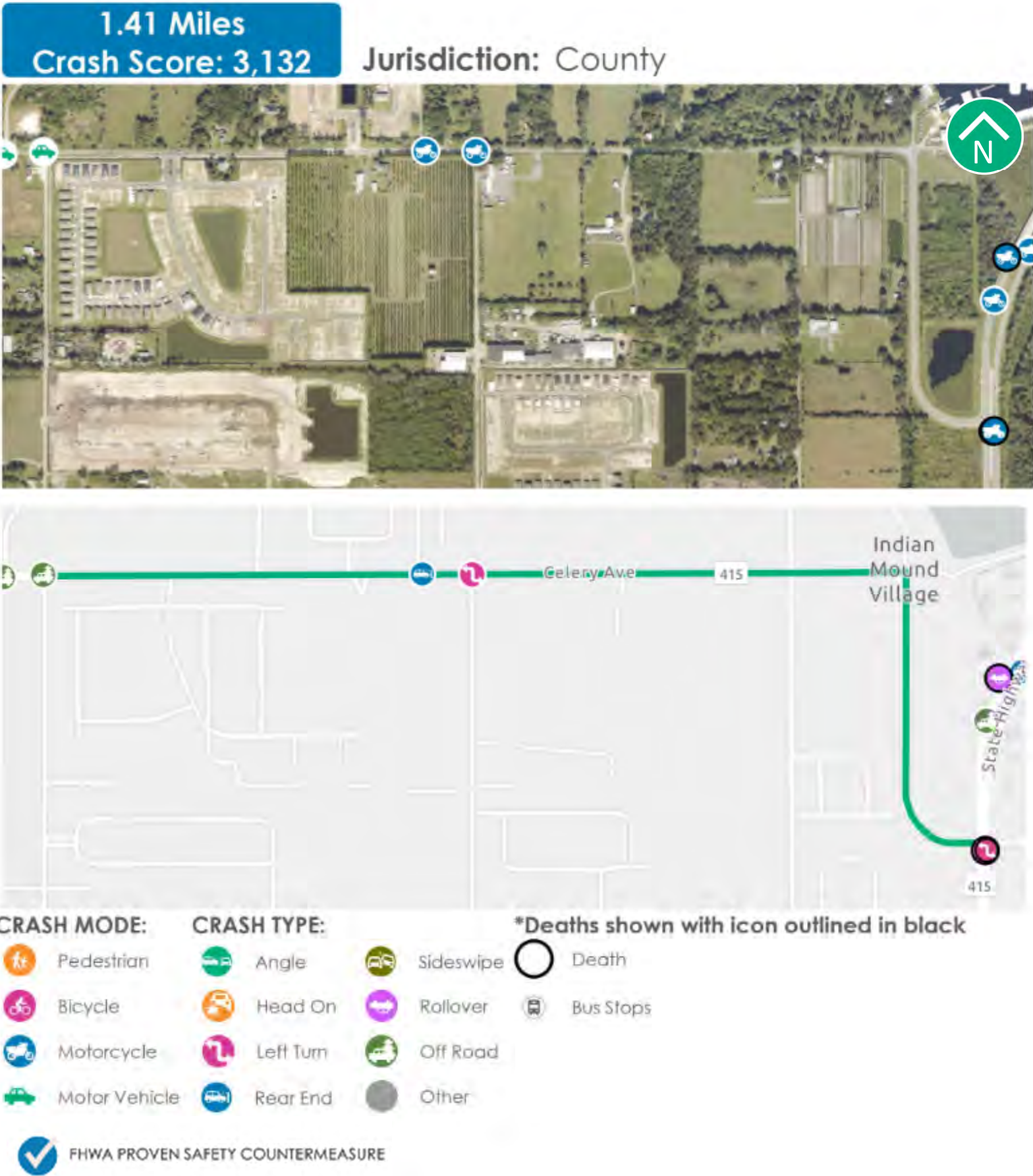
Roundabout



Permissive Protected Left Turns



LED Enhanced Sign



24. Greenwood Blvd, Lake Emma Rd to Donegal Ave


Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	1 Motorcyclist
0 Motorist	2 Motorist
3 Total KSI	

Existing Conditions

C3R	Context Classification
35	Posted Speed Limit
43	Operating Speed
Features	Raised median, high-visibility crosswalks, sidewalks


Potential Solutions




Reduced Left-Turn Conflict Intersections




Protected Left Turns



Traffic Signal



Roundabout



Lane Repurposing



25. Greenwood Blvd, Lake Mary Blvd to Canterbury Dr

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	1 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
0 Motorist	2 Motorist
3 Total KSI	

Existing Conditions

C3C	Context Classification
35	Posted Speed Limit
43	Operating Speed
Features	Sidewalks, trail, raised median, cycle track

Potential Solutions



Lane Repurposing



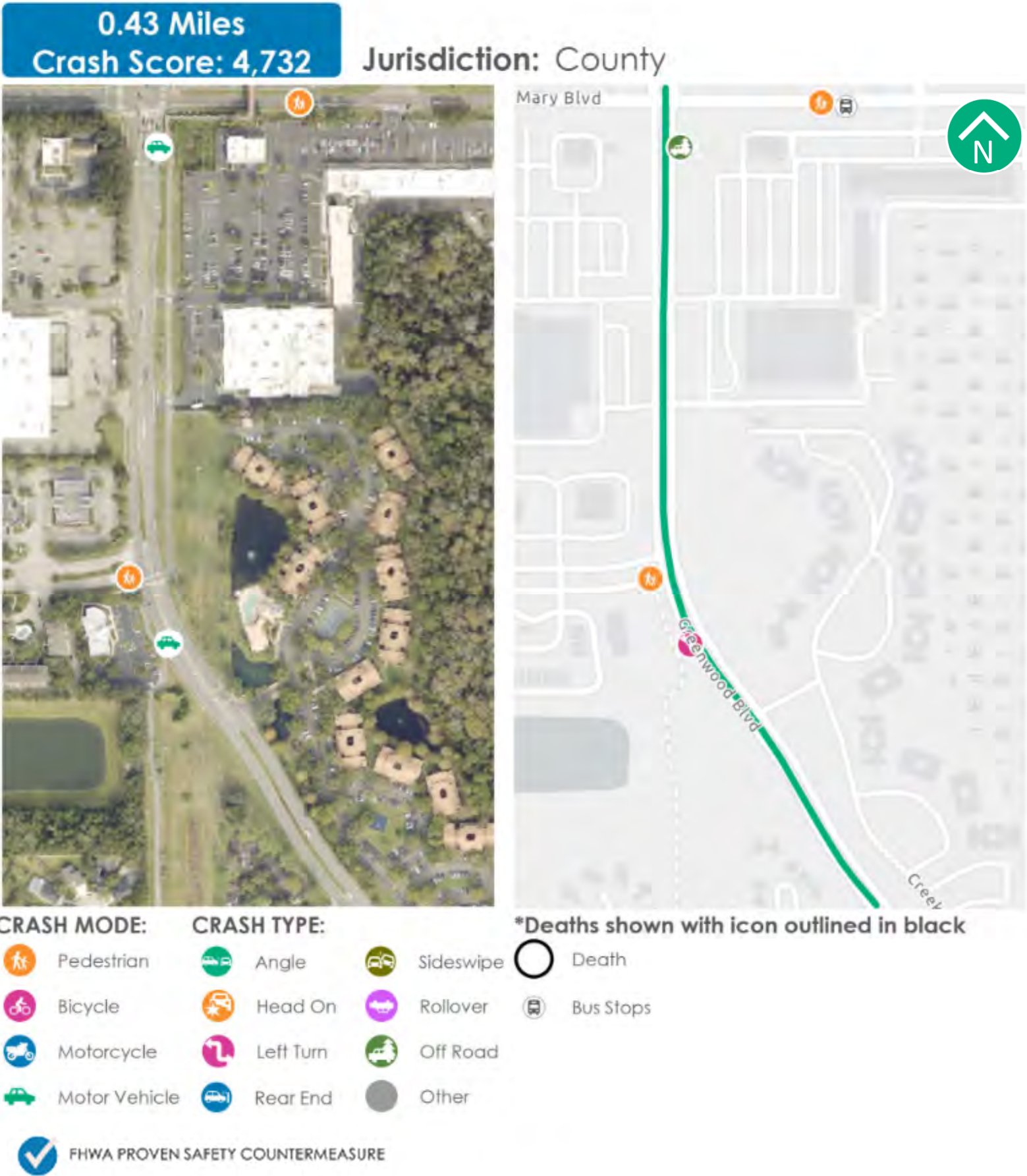
Delineators, Reflectors, and / or Object Markers



Curb-Return Radius Reduction



Speed Cushions



26. Lake Emma Rd, Greenwood Blvd to Green Way Blvd

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	1 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
0 Motorist	3 Motorist
4 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
51	Operating Speed
Features	Raised median, high-visibility crosswalks, bike lanes

Potential Solutions

Segment Lighting

Intersection Lighting

Extend Pedestrian Crossing Time

Roundabout

Lane Repurposing



27. Longwood Lake Mary Rd, Acorn Dr to Ronald Reagan Blvd


Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	1 Bicyclist
0 Motorcyclist	1 Motorcyclist
0 Motorist	0 Motorist
2 Total KSI	


Existing Conditions

C3C	Context Classification
40	Posted Speed Limit
48	Operating Speed
Features	Sidewalk


Potential Solutions




LED-Enhanced Sign




Separated Bikeway




Speed Feedback Sign



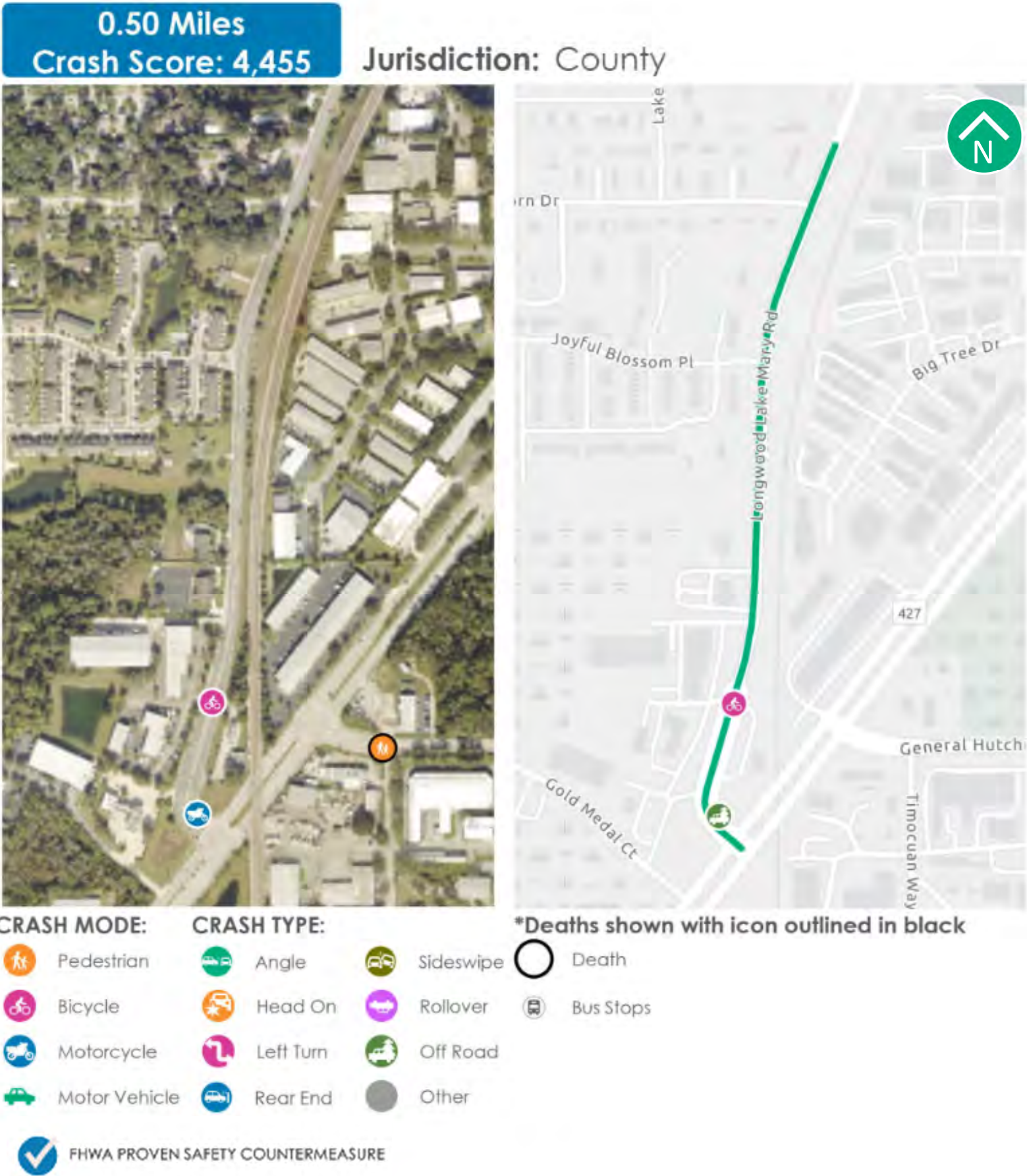
Intersection Lighting:
Ronald Reagan & Longwood Lake Mary



Fill Sidewalk Gap



Install/Upgrade Pedestrian Crossing:
Northern Gas Station Exit



28. Tuskawilla Rd, Windcrest Pl to Eagle Blvd/Amherst Way

Crash History (2018 - 22)		Existing Conditions	
Deadly	Serious Injury	C3C	Context Classification
0 Pedestrian	0 Pedestrian	45	Posted Speed Limit
0 Bicyclist	0 Bicyclist	53	Operating Speed
0 Motorcyclist	1 Motorcyclist	Features	Raised median, high-visibility crosswalks
0 Motorist	3 Motorist		
4 Total KSI			

Potential Solutions



Segment Lighting



Appropriate Speed Limits



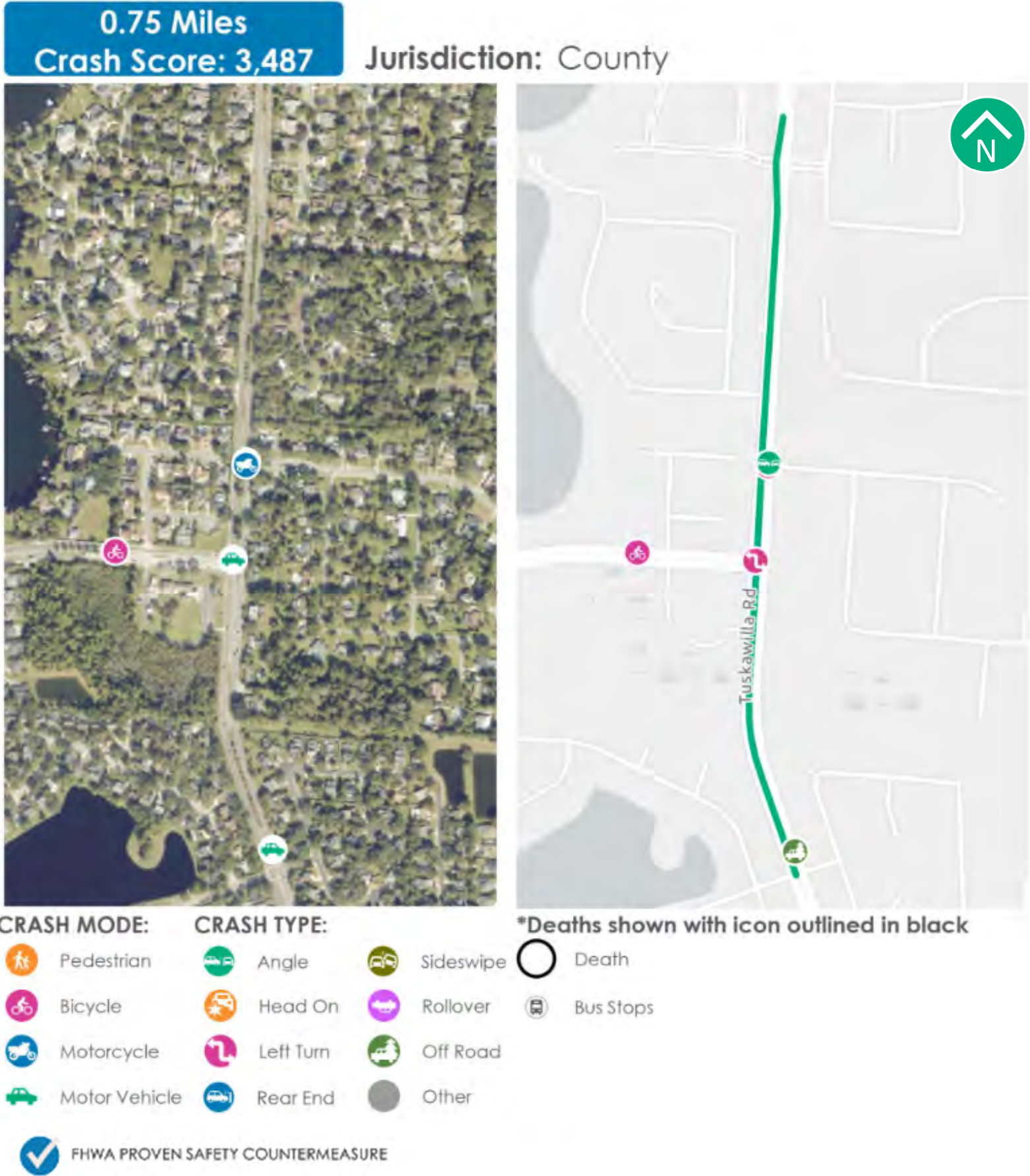
Extend Yellow and All Red Time



Permissive Protected Left Turns



Upgrade Signs with Fluorescent Sheeting



29. Snow Hill Rd, Jacobs Trl to Yellow Trail Pl/Avenue H

Crash History (2018 - 22)		Existing Conditions	
Deadly	Serious Injury	C3R	Context Classification
0 Pedestrian	0 Pedestrian	45	Posted Speed Limit
0 Bicyclist	1 Bicyclist	61	Operating Speed
0 Motorcyclist	1 Motorcyclist	Features	Sidewalk
0 Motorist	0 Motorist		
2 Total KSI			

Potential Solutions

Appropriate Speed Limits

Doubled-up, Oversized Stop Signs

Curb-Return Radius Reduction

Roundabout

Speed Feedback Signs



30. Chuluota Rd, Old Chuluota Rd to 5th St

0.98 Miles
Crash Score: 2,510

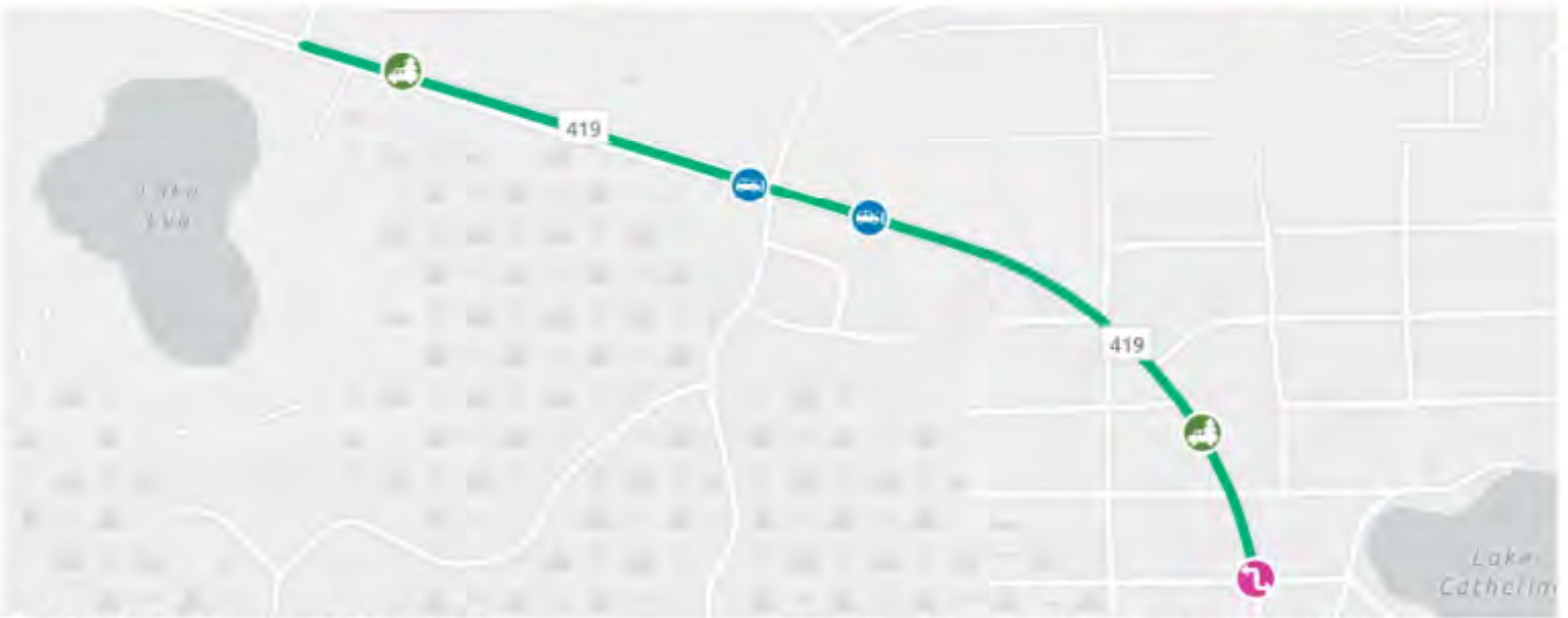
Jurisdiction: County

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	1 Motorcyclist
0 Motorist	4 Motorist
5 Total KSI	

Existing Conditions

C3C	Context Classification
35	Posted Speed Limit
61	Operating Speed
Features	Raised median, high-visibility crosswalks



Potential Solutions

CRASH MODE:

Pedestrian

Bicycle

Motorcycle

Motor Vehicle

CRASH TYPE:

Angle

Head On

Left Turn

Rear End

Sideswipe

Rollover

Off Road

Other

*Deaths shown with icon outlined in black

Death

Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

31. Dodd Rd, Red Bug Lake Rd to Dike Rd


Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	1 Motorcyclist
1 Motorist	2 Motorist
4 Total KSI	


Existing Conditions

C3R	Context Classification
40	Posted Speed Limit
52	Operating Speed
Features	High-visibility crosswalks


Potential Solutions




Appropriate Speed Limits




Curve Advance Warning Sign




Raised Median




Segment Lighting



Permissive Protected Left Turns



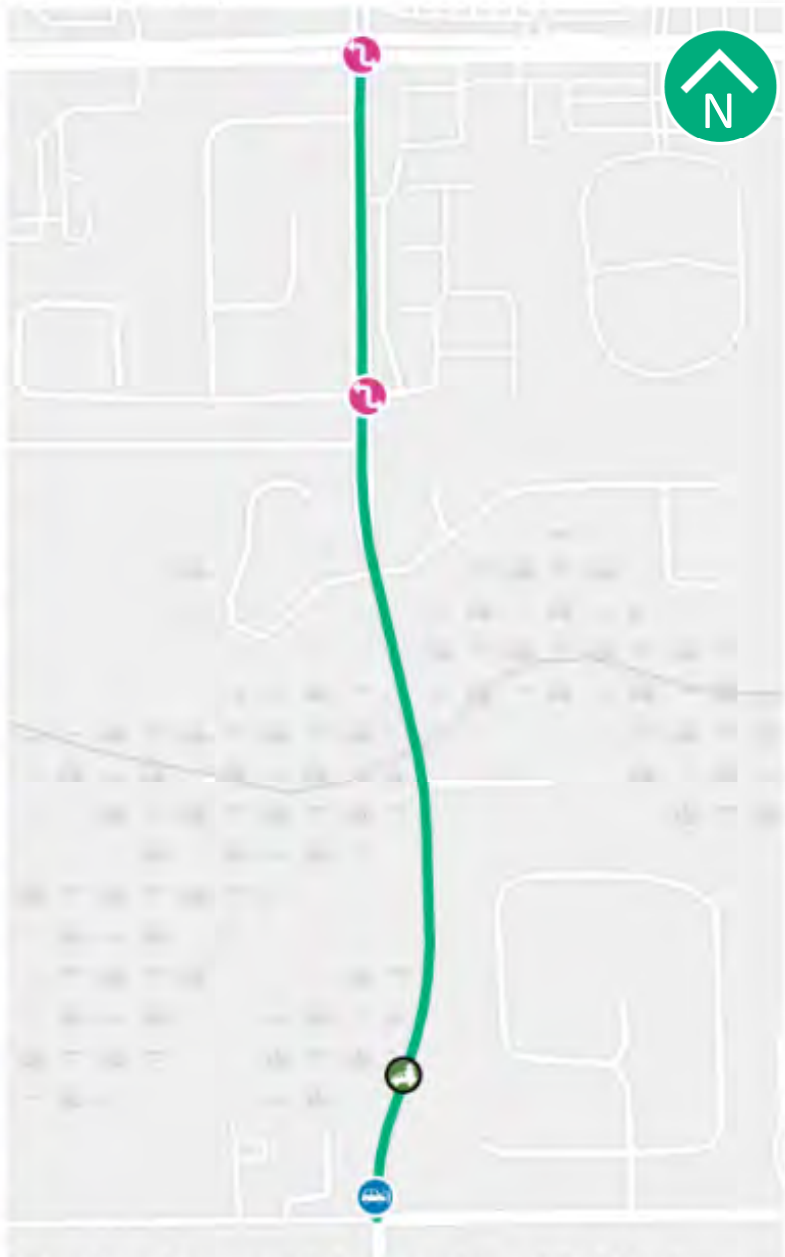
Roundabout






Lane Repurposing

0.76 Miles
Crash Score: 3,200





Jurisdiction: County







CRASH MODE:

-  Pedestrian
-  Bicycle
-  Motorcycle
-  Motor Vehicle


CRASH TYPE:

-  Angle
-  Head On
-  Left Turn
-  Rear End


*Deaths shown with icon outlined in black

-  Sideswipe
-  Rollover
-  Off Road
-  Other


Death



Bus Stops



FHWA PROVEN SAFETY COUNTERMEASURE



32. Wekiva Springs Rd, Riverbend Blvd to Fox Valley Dr

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
1 Motorcyclist	0 Motorcyclist
0 Motorist	1 Motorist
2 Total KSI	

Existing Conditions

C3C	Context Classification
35	Posted Speed Limit
49	Operating Speed
Features	Sidewalks

Potential Solutions



Extend Yellow and All Red Time



Speed Feedback Sign



Upgrade Signs with Fluorescent Sheeting



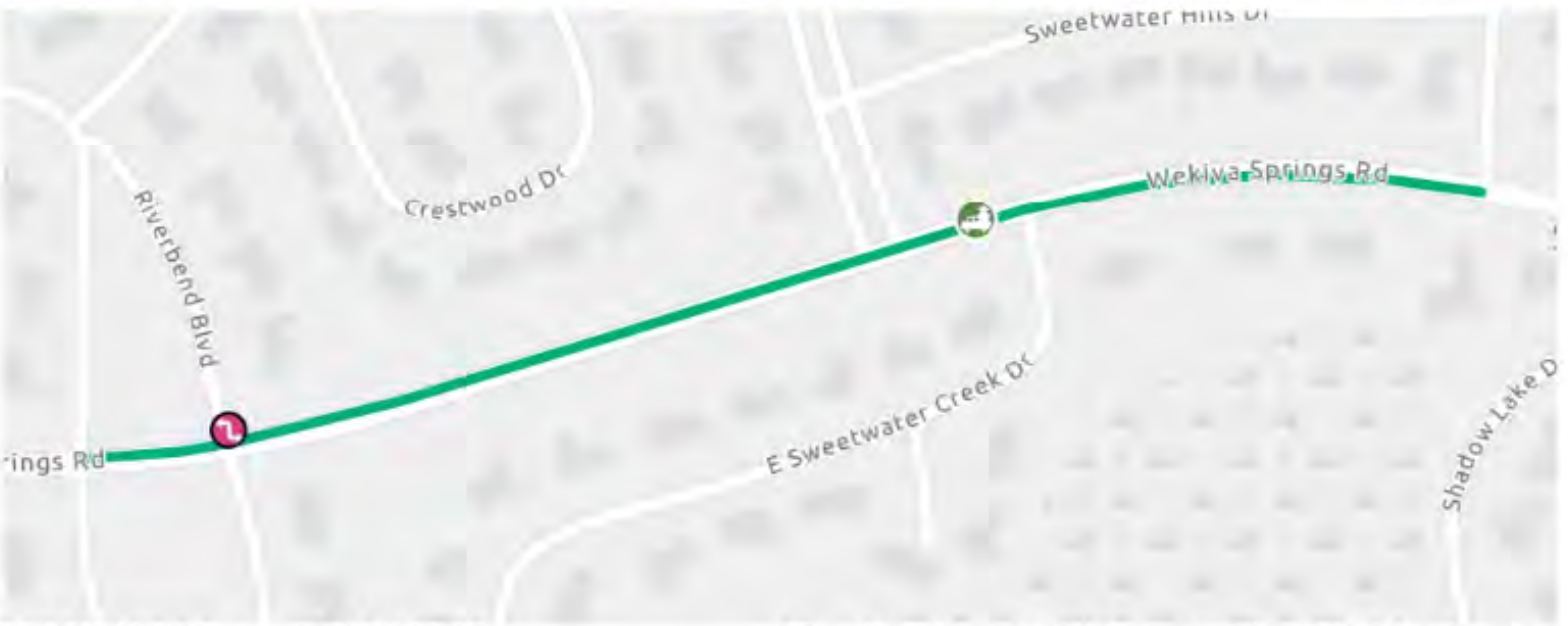
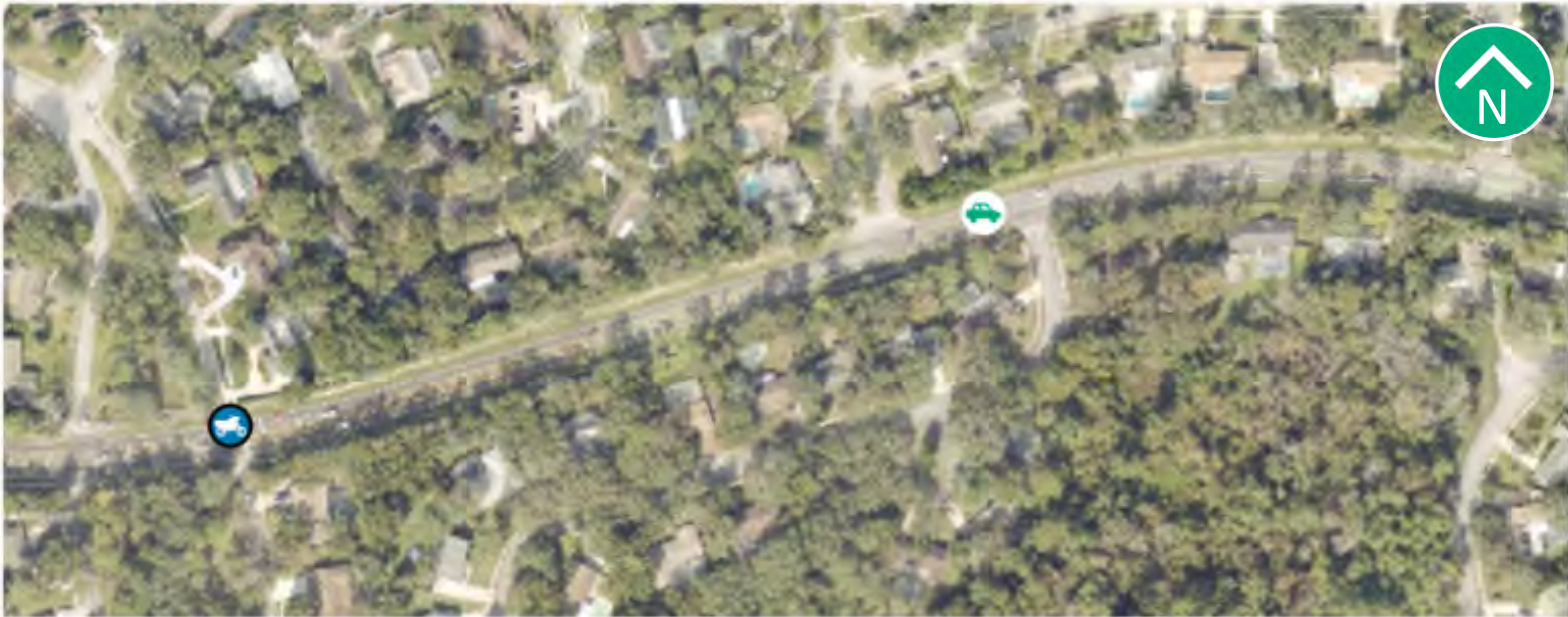
Curve Advance Warning Sign



Raised Median

Install Curb and Gutter

0.37 Miles
Crash Score: 4,072
Jurisdiction: County



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

Sideswipe

- Rollover
- Off Road
- Other

*Deaths shown with icon outlined in black

- Death
- Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

33. Red Bug Lake Rd, Brooks Ln/Rising Sun Blvd to Hollow Pine Dr

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	1 Pedestrian
0 Bicyclist	1 Bicyclist
0 Motorcyclist	1 Motorcyclist
1 Motorist	3 Motorist
7 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
55	Operating Speed
Features	Raised median, high-visibility crosswalks, sidewalks

Potential Solutions

Segment Lighting

Intersection Lighting

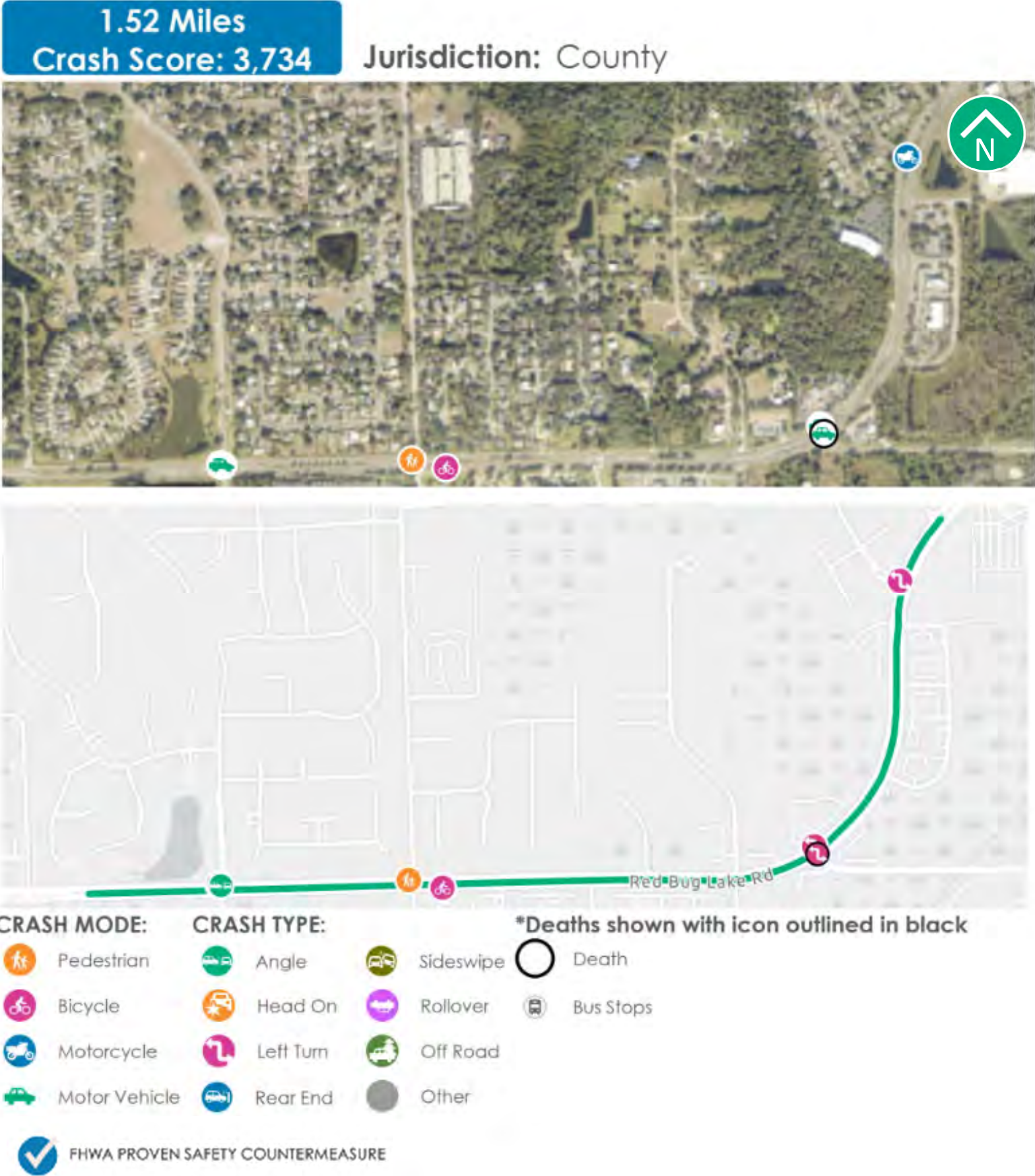
Shared Use Path

Leading Pedestrian Interval

Refuge Islands

Speed Feedback Signs

Flashing Beacon as Advance Warning



34. E Broadway St, Boston Ave to Louise Ave

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	1 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
0 Motorist	3 Motorist
4 Total KSI	

Existing Conditions

C3C	Context Classification
30	Posted Speed Limit
49	Operating Speed
Features	Raised median, high-visibility crosswalks

Potential Solutions

Roundabout

Access Management

Install/Upgrade Pedestrian Crossing at Uncontrolled Locations

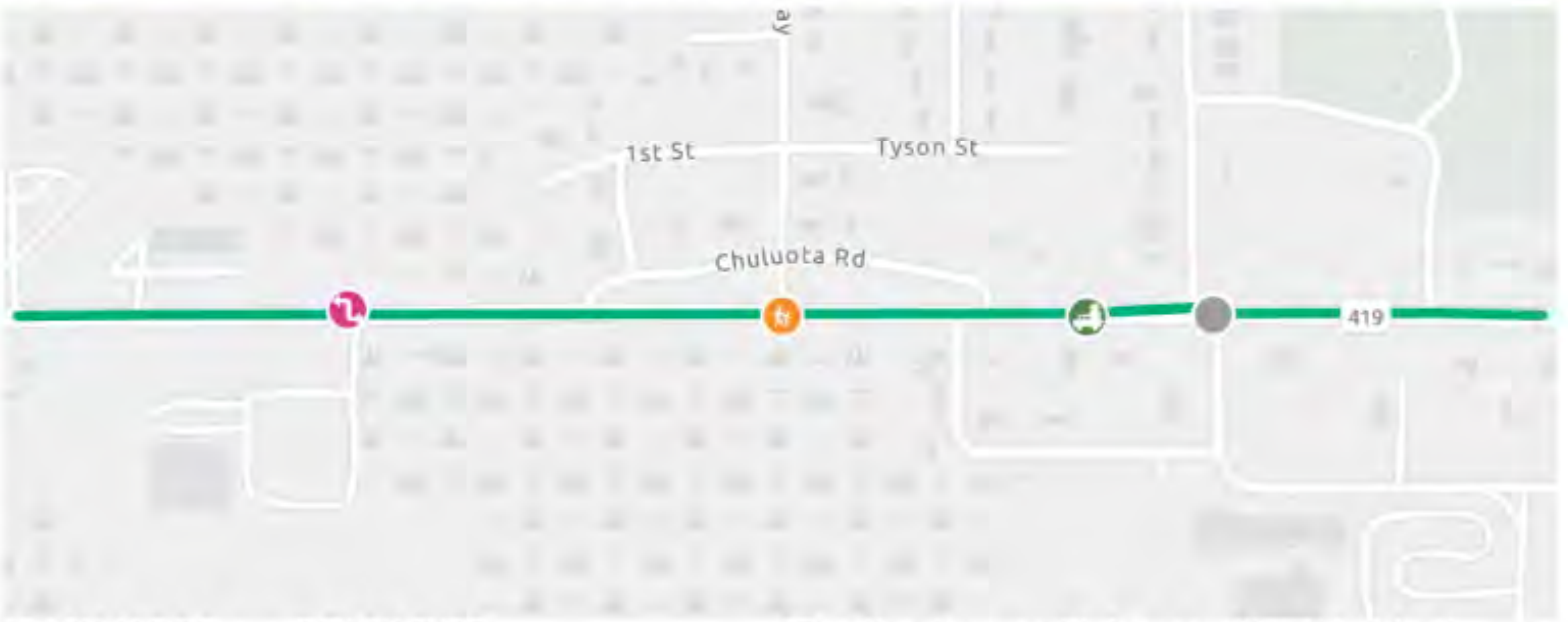
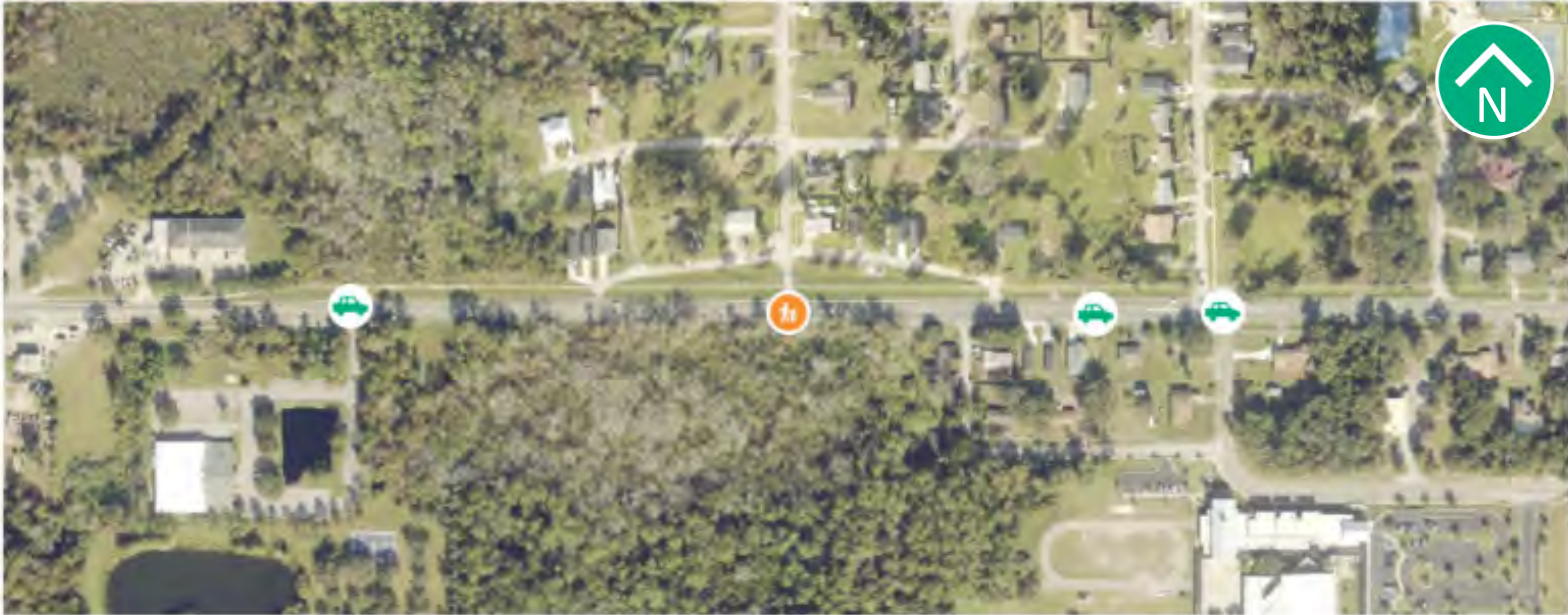
Remove Obstructions For Sightline

Intersection Reconstruction and Tightening at Stephen Ave/Academy Ave

Widen/Pave Shoulder

Raised Median

0.59 Miles
Crash Score: 3,514
Jurisdiction: County



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

*Deaths shown with icon outlined in black

- Sideswipe
- Rollover
- Off Road
- Other

Death

Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

35. Lake Howell Rd, Lake Howell Ln to Willow Ln


Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
0 Motorist	0 Motorist
0 Total KSI	


Existing Conditions

C3C	Context Classification
35	Posted Speed Limit
42	Operating Speed
Features	High-visibility crosswalks, sidewalks


Potential Solutions



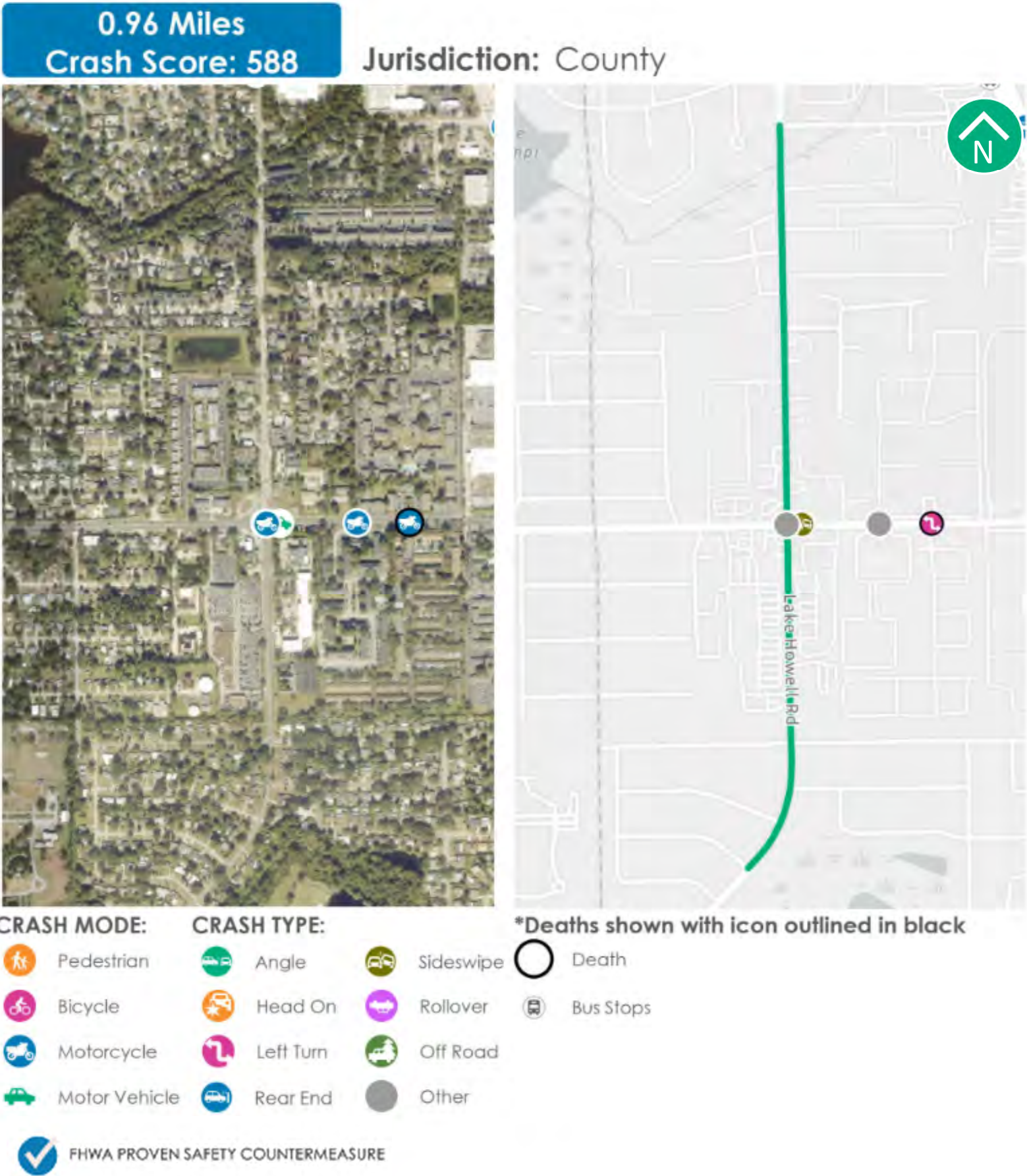
Roundabout



Segment Lighting



Reduced Left-Turn Conflict Intersection



36. Hunt Club Blvd, Wekiva Trl to Sand Lake Rd

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	1 Pedestrian
1 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
0 Motorist	0 Motorist
2 Total KSI	

Existing Conditions

C3R	Context Classification
35	Posted Speed Limit
43	Operating Speed
Features	Raised median, high-visibility crosswalks

Potential Solutions



Curb Extensions and Curb Ramps (ADA)



High-Visibility Crosswalk: Sand Lake Rd & Hunt Club Blvd



Rectangular Rapid Flashing Beacon



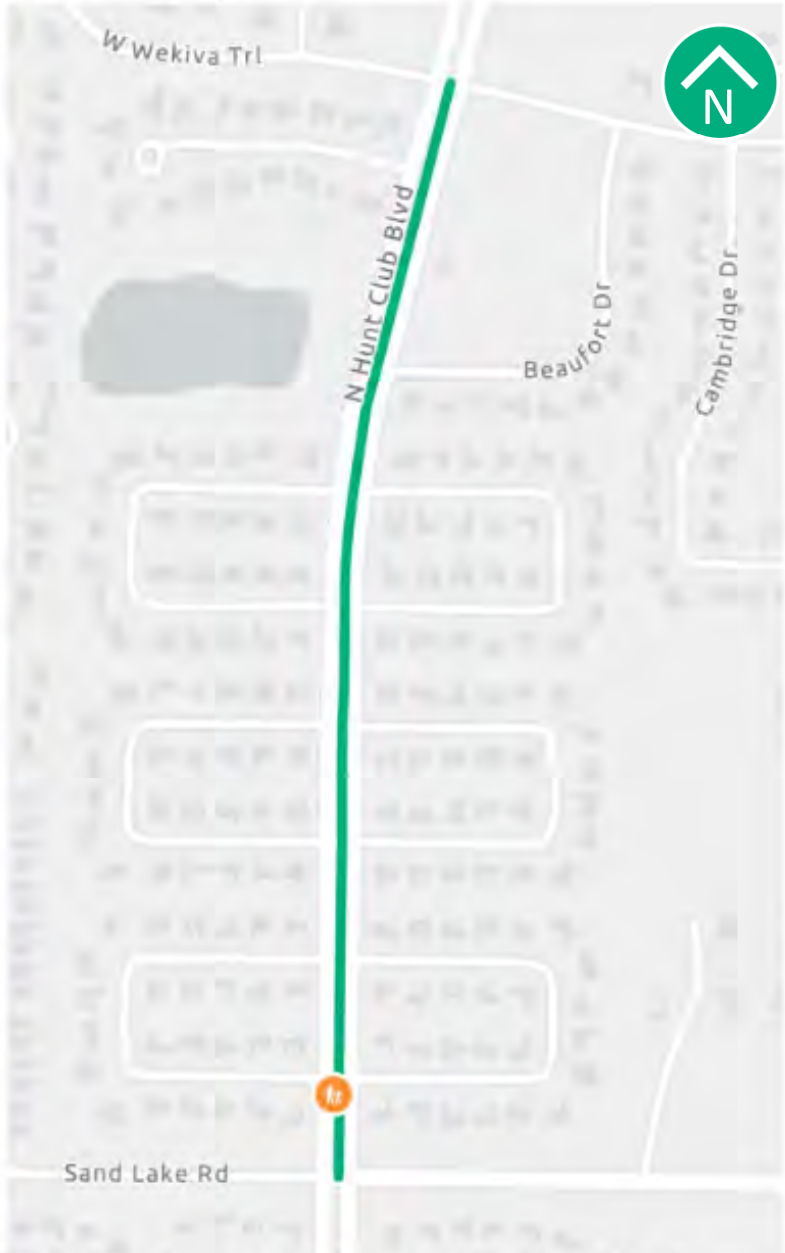
Refuge Islands



Separated Bikeway

0.50 Miles
Crash Score: 4,354

Jurisdiction: County



CRASH MODE:

-  Pedestrian
-  Bicycle
-  Motorcycle
-  Motor Vehicle

CRASH TYPE:

-  Angle
-  Head On
-  Left Turn
-  Rear End

-  Sideswipe
-  Rollover
-  Off Road
-  Other

*Deaths shown with icon outlined in black

-  Death
-  Bus Stops

Projects: There are planned improvements to add an RRFB at Beaufort Dr

 FHWA PROVEN SAFETY COUNTERMEASURE

37. H E Thomas Jr Pkwy, Orange Blvd to Rinehart Rd

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	2 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
0 Motorist	1 Motorist
3 Total KSI	

Existing Conditions

C3C	Context Classification
40	Posted Speed Limit
46	Operating Speed
Features	Raised median, high-visibility crosswalks

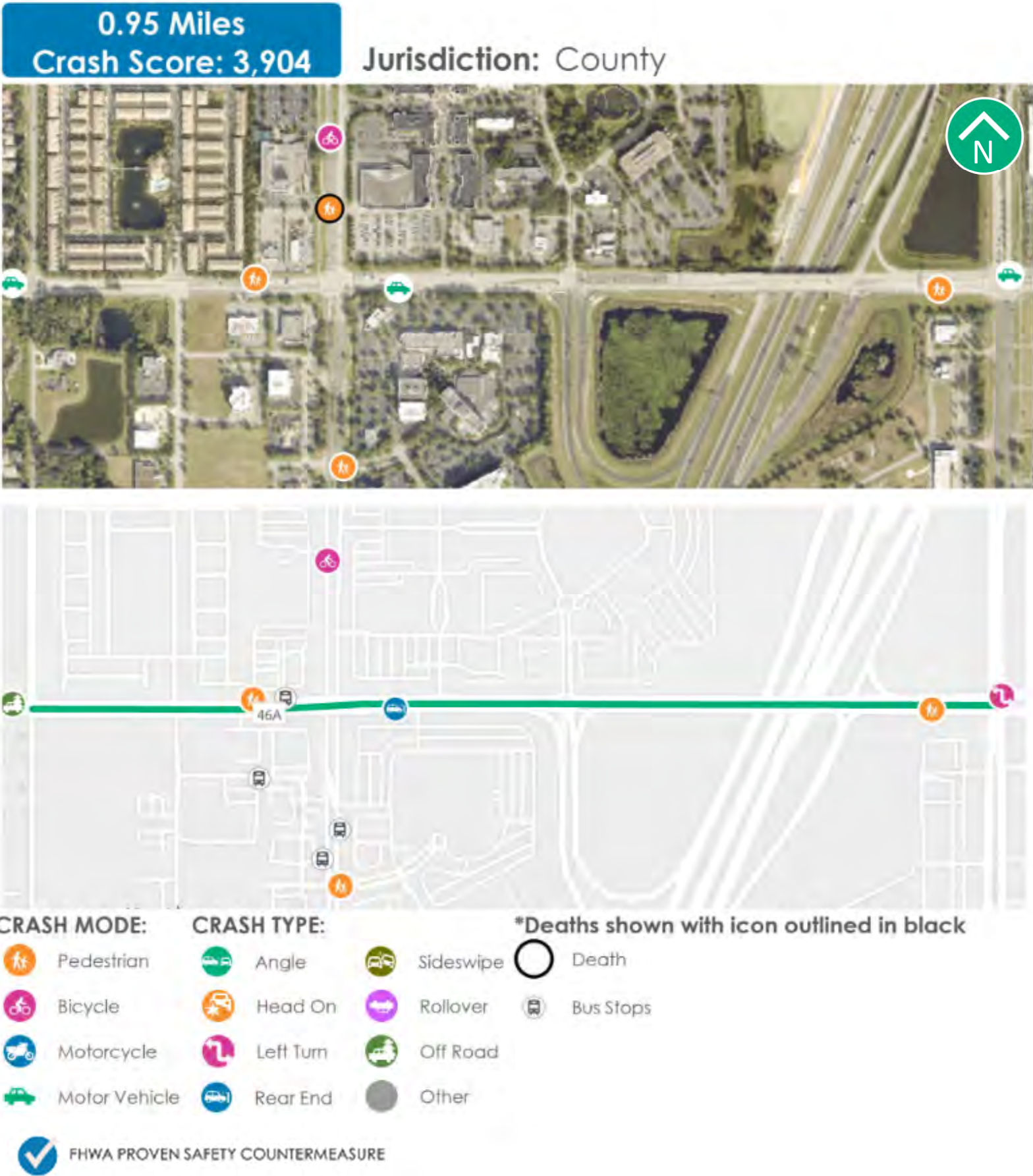
Potential Solutions

Extend Yellow and All Red Time

Permissive Protected Left Turn at Rinehart Rd & HE Thomas Jr Pkwy

Doubled-Up, Oversized Stop Signs

Segment Lighting



38. H E Thomas Jr Pkwy, Rinehart Rd to Bright Meadow Dr

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	1 Motorcyclist
0 Motorist	0 Motorist
1 Total KSI	

Existing Conditions

C3R	Context Classification
40	Posted Speed Limit
53	Operating Speed
Features	High-visibility crosswalks

Potential Solutions

Segment Lighting

Curve Advance Warning Sign

Landscape Buffer

Protected Left Turns



39. Lake Mary Blvd, Markham Woods Rd to I-4 WB Ramps

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	1 Motorcyclist
0 Motorist	2 Motorist
3 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
54	Operating Speed
Features	Raised median, high-visibility crosswalks, traffic signals

Potential Solutions

Appropriate Speed Limits

Speed Feedback Signs

Extend Yellow and All Red Time

Striping Through Intersection

Reduced Left-Turn Conflict Intersection

0.99 Miles
Crash Score: 2,800
Jurisdiction: County



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

Sideswipe

- Rollover
- Off Road
- Other

*Deaths shown with icon outlined in black

- Death
- Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

Appendix B:

State Road Projects Prioritized Needs List and Project Sheets

STATE ROAD PROJECTS
PRIORITIZED NEEDS LIST

*Note: Probable cost ranges do not account for right-of-way acquisition, drainage improvements, utility impacts, and potential resurfacing needs or project contingencies. A detailed cost estimate should be prepared as part of conceptual plans. Countermeasure costs were sourced from the MetroPlan Orlando Engineering Countermeasure Toolkit.

PRIORITY RANK	SEGMENT	FROM	TO	LENGTH (MILES)	JURISDICTION	CITY	DISADVANTAGED SCORE (OUT OF 5)	MOTOR VEHICLE DEADLY OR SERIOUS CRASHES	VULNERABLE USER DEADLY OR SERIOUS CRASHES	CRASH SCORE PER MILE	PROJECT DESCRIPTION	OPINION OF PROBABLE COST RANGE*	PRIORITY SCORE
1	SR 434	Wilma St	US 17-92	1.31	State	Longwood	3	4	6	7673	Safety improvements to manage visibility and multi-modal transportation safety. Add segment lighting, RCLT, raised medians, retroreflective signal backplates, pedestrian hybrid beacon, and co-locate bus stops and pedestrian crossings.	\$1,470,000 - \$5,530,000	100
2	SR 46	Avocado Ave	US 17-92	0.44	State	Sanford	3	0	3	7440	Safety improvements to manage speeds and increase active transportation safety/utilization. Add segment lighting, RCLT, RRFB, appropriate speed limits, sidewalks and fill sidewalk gaps, a raised median at east of Avocado Avenue, buffered bike lanes, speed feedback signs, and narrow the lanes.	\$1,200,000 - \$1,960,000	100
3	US 17-92	Seminole Blvd	13th St	1.03	State	Sanford	3	0	5	7414	Safety improvements to increase active transportation safety/utilization. Add raised medians, appropriate speed limits, pedestrian hybrid beacons, bike lines, landscaped medians, upgraded LED lighting, and narrow the lanes.	\$3,280,000 - \$4,410,000	95
4	US 17-92	20th St	27th St	1.1	State	Sanford	3	6	W5	8812	Safety improvements to increase active transporation safety/utilization. Add a raised median, RRFB, bike lanes, landscaped median, increased crosswalk density, narrow the lanes, upgrade to LED lighting, and choose appropriate speed limits.	\$3,350,000 - \$4,160,000	95
5	SR 46	Terwilliger Ln	Avocado Ave	0.58	State	Sanford	3	3	3	8284	Safety improvements to reduce speeds and angle crashes. Add segment lighting, RCLT, sidewalks and fill sidewalk gaps, RRFB, buffered bike lanes, speed feedback signs, narrow the lanes, and choose appropriate speed limits.	\$1,360,000 - \$3,530,000	95
6	SR 434	US 17-92	Belle Ave	0.7	State	Casselberry, Longwood, Winter Springs	2	5	2	7553	Safety improvements to manage speeds and active transportation safety/utilization. Add segment lighting, separated bikeway, refuge island at Belle Avenue, and curb return radius reduction.	\$130,000 - \$550,000	85
7	SR 436	Palm Springs Dr	US 17-92	2.04	State	Altamonte Springs	3	4	3	5552	Safety improvements to manage speeds and increase visibility. Add curb return radius reduction, speed feedback signs, retroreflective signal backplates, access management, extend yellow and all red time, upgrade intersection pavement markings, and ad a shared-use path.	\$1,060,000 - \$1,410,000	85
8	US 17-92	Live Oak Gdns	South St	1.23	State	Casselberry	3	4	1	3929	Safety improvements to increase active transportation safety/utilization and manage speeds. Add appropriate speed limits, raised medians from Ridge Road to South Street, a separated bikeway, green conflict striping, refuge islands between South Street and Lake of Woods Boulevard, extend pedestrian crossing time, curb return radius reduction, and enhanced daylighting/slow turn wedge.	\$1,360,000 - \$2,110,000	82.5
9	US 17-92	Shepard Rd	Gold Days Dr	2.45	State	Longwood	3	8	9	6494	Safety improvements to increase active transportation safety/utilization. Add extended yellow and all red time at SR 434 & US 17/92, landscaped buffers, shared-use paths, green conflict striping, co-locate bus stops and pedestrian crossings, and access management.	\$1,820,000 - \$2,580,000	82.5
10	SR 436	US 17-92	Red Bug Lake Rd	1.48	State	Casselberry	1	5	6	9327	Safety improvements to manage speeds and increase active transportation safety/utilization. Add extended yellow and all red time, curve advance warning signs, leading pedestrian interval and pedestrian recall, directional median openings to restrict left turns, painted centrelines and raised pavement markers at curves, appropriate speed limits, refuge islands between US 17-92 and Oxford Road, and separated bikeways.	\$740,000 - \$4,640,000	82.5
11	SR 46	Central Park Dr	Aero Ln	0.43	State	Unincorporated	2	1	2	7121	Safety improvements to manage speeds and increase active transportation safety/utilization. Add segment lighting, access management (RIRO at White Cedar, close left turn), shared-use path, and intsaill/upgrade pedestrian crossings at uncontrolled locations.	\$640,000 - \$970,000	78.75

STATE ROAD PROJECTS
PRIORITIZED NEEDS LIST

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PRIORITY RANK	SEGMENT	FROM	TO	LENGTH (MILES)	JURISDICTION	CITY	DISADVANTAGED SCORE (OUT OF 5)	MOTOR VEHICLE DEADLY OR SERIOUS CRASHES	VULNERABLE USER DEADLY OR SERIOUS CRASHES	CRASH SCORE PER MILE	PROJECT DESCRIPTION	OPINION OF PROBABLE COST RANGE*	PRIORITY SCORE
12	US 17-92	South St	Spartan Dr	0.92	State	Unincorporated	1	12	4	9882	Safety improvements to manage speeds on curves and increase pedestrian safety. Add upgraded striping, a raised median from Ridge Road to South Street, directional median openings to restrict left turn, extend pedestrian crossing time, access management, refuge islands between South Street and Lake of Woods Boulevard, curve advance warning signs, and appropriate speed limits.	\$320,000 - \$2,390,000	77.5
13	SR 436	Montgomery Rd	Palm Springs Dr	1.76	State	Altamonte Springs	1	8	5	10210	Safety improvements to manage speeds and increase pedestrian safety. Add a refuge island at Festival Drive, curb return radius reduction, speed feedback signage, enhanced daylighting/slow turn wedge, extend pedestrian crossing time, shared-use path, and access management.	\$1,090,000 - \$1,700,000	77.5
14	SR 426	Tuskawilla Rd	SR 417	0.45	State	Unincorporated	0	2	3	10528	Safety improvements to manage speeds and increase active transportation safety/utilization. Add separated bikeways, green conflict striping, curb-return radius reduction, extend yellow and all red time at SR 417 intersections, intersections and segment lighting, and appropriate speed limits.	\$270,000 - \$610,000	75
15	Lake Mary Blvd	Celery Ave	SR 46	0.89	State	Unincorporated	1	1	6	7576	Safety improvements to increase visibility and reduce speeds. Add appropriate speeds limits, upgraded striping, a traffic signal at Celery Avenue, a separated bikeway, and intersection and segment lighting.	\$260,000 - \$860,000	70
16	US 17-92	27th St	Lake Minnie Dr/Collins Dr	2.12	State	Sanford	2	4	6	5882	Safety improvements to increase active transportation safety/utilization. Add green conflict markings, high-visibility crosswalks (all side streets & intersection legs), landscaped buffer and median, shared-use path, and utilize access management.	\$700,000 - \$1,450,000	67.5
17	SR 434	Great Pond Dr	SR 436	0.73	State	Altamonte Springs	2	3	2	6629	Safety improvements to manage active transportation safety and speeds. Add buffered bike lanes, refuge islands, raised medians, RCLT, speed feedback signs, and narrow the lanes.	\$1,860,000 - \$4,070,000	67.5
18	SR 434	Spring Centre South Blvd	Springwood Cir	0.61	State	Longwood	0	4	1	9047	Safety improvements to increase visability and active transportaiton safety/utilization. Add intersection and segment lighting, leading pedestrian intervals at Raymond Avenue and SR 434, green conflict striping, and narrow the lanes.	\$1,340,000 - \$1,710,000	67.5
19	SR 434	Springwood Cir	Palm Springs Dr	0.87	State	Longwood	2	1	1	2316	Safety improvements to improve lighting and increase multimodal accomodations. Add segment and intersection lighting, add refuge islands, co-locate bus stops with pedestrian crossings, add green conflict striping.	\$180,000 - \$900,000	67.5
20	SR 436	Red Bug Lake Rd	County Bnd	2.66	State	Casselberry	1	7	9	6584	Safety improvements to increase multi-modal transportation safety and manage speeds. Add extended yellow and all red time, leading pedestrian intervals and pedestrian recall, refuge islands at Winter Woods, Howell Branch, Lake Howel Lane & Lake Howell Road, narrow the lanes, choose appropriate speeds limits, add curb return radius reduction at all dedicated right-hand turns, co-locate bus stops and pedestrian crossings, and employ access management.	\$1,070,000 - \$2,330,000	57.5
21	SR 46	Cameron Ave	Richmond Ave	0.68	State	Sanford	1	2	2	4406	Safety improvements to manage speed and intersections. Add speed feedback signs, segment lighting, separated bikeway, and a roundabout at Lake Mary.	\$370,000 - \$1,160,000	55
22	SR 434	Palm Springs Dr	Wilma St	1.41	State	Longwood	1	3	3	4526	Safety improvements to improve lighting and increase multimodal accomodations. Add segment and intersection lighting, add refuge islands, co-locate bus stops with pedestrian crossings, add green conflict striping.	\$310,000 - \$1,480,000	55

STATE ROAD PROJECTS
PRIORITIZED NEEDS LIST

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PRIORITY RANK	SEGMENT	FROM	TO	LENGTH (MILES)	JURISDICTION	CITY	DISADVANTAGED SCORE (OUT OF 5)	MOTOR VEHICLE DEADLY OR SERIOUS CRASHES	VULNERABLE USER DEADLY OR SERIOUS CRASHES	CRASH SCORE PER MILE	PROJECT DESCRIPTION	OPINION OF PROBABLE COST RANGE*	PRIORITY SCORE
23	SR 436	Pearl Lake Causeway	Montgomery Rd	1.55	State	Altamonte Springs	1	4	2	5659	Safety improvements to increase multi-modal transportation safety. Add green conflict striping, co-locate bus stops and pedestrian crossings, leading pedestrian intervals and pedestrian recall, separated bikeways, and refuge islands at 434.	\$210,000 - \$310,000	52.5
24	SR 436	Line Dr	Pearl Lake Causeway	2.07	State	Unincorporated	1	5	7	6520	Safety improvements to manage speeds and increase multi-modal transportation safety. Add curb return radius reduction at Executive Park Court, choose appropriate speed limits, narrow the lanes, utilize access management and restrict left turns east of Balmy Beach Drive, add segment lighting, leading pedestrian intervals and pedestrian recall, separated bikeways, and co-locate bus stops and pedestrian crossings.	\$4,870,000 - \$6,040,000	52.5
25	SR 46	US 17	Mellonville Ave	1.02	State	Sanford	0	5	4	8272	Safety improvements to manage speeds and visibility. Add high friction surface treatment, raised median, retroreflective signal backplates, and narrow the lanes.	\$2,860,000 - \$3,980,000	50
26	SR 426	SR 417	Aloma Woods Blvd	1.12	State	Unincorporated	0	4	2	3965	Safety improvements to manage speed and increase visibility. Add speed feedback signs, segment lighting, retroreflective signal backplates, curb return radius reduction at Dean Road, directional median openings to restrict left turns, and a separated bikeway.	\$270,000 - \$1,990,000	42.5
27	SR 46	Oregon St	Central Park Dr	1.46	State	Unincorporated	0	8	2	6243	Safety improvements to manage speeds and increase multi-modal transportation safety. Add segment lighting, speed feedback signs, narrow the lanes, choose appropriate speed limits, extend yellow and all red time, access management, co-locate bus stops and pedestrian crossings, and add a shared-use path.	\$2,760,000 - \$3,420,000	38.75
28	SR 46	Mellonville Ave	Helcat Ln	0.67	State	Sanford	0	3	2	4979	Safety improvements to manage intersections and active transportation safety. Add speed feedback signs, a traffic signal at Summerlin Avenue, a separated bikeway, and a shared-use path.	\$450,000 - \$660,000	37.5
29	SR 426	Tuskawilla Rd	Old Howell Branch Rd	1.16	State	Unincorporated	0	2	5	6004	Safety improvements to manage speeds and increase multi-modal transportation safety. Add segment lighting, speed feedback signs, curb return radius reduction at Howell Branch Road to support trail crossing, green conflict striping, leading pedestrian interval and pedestrian recall, separated bikeway, refuge island at Tuskwilla Road, and co-located bus stops and pedestrian crossings.	\$360,000 - \$1,100,000	37.5
30	SR 434	Lake Rena Dr	Spring Centre South Blvd	1.46	State	Altamonte Springs	0	6	5	6776	Safety improvements to manage active transporation safety and speeds. Add segment lighting, speed feedback signs, curb return radius reduction, separated bikeways, leading pedestrian interval and pedestrian recall, narrow the lanes, close the 7-11 driveway at Wekiva Springs Lane, and add a refuge island at Wekiva Springs Lane and Springs Boulevard.	\$2,960,000 - \$3,900,000	37.5

State Road Projects Project Sheets

1. SR 434, Wilma St to US 17

Crash History (2018 - 22)

Deadly	Serious Injury
1 Pedestrian	2 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	3 Motorcyclist
1 Motorist	3 Motorist
10 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
50	Operating Speed
Features	Traffic signals, guardrail

Potential Solutions



Segment Lighting



Reduced Left-Turn Conflict Intersection



Raised Medians



Retroreflective Signal Backplates



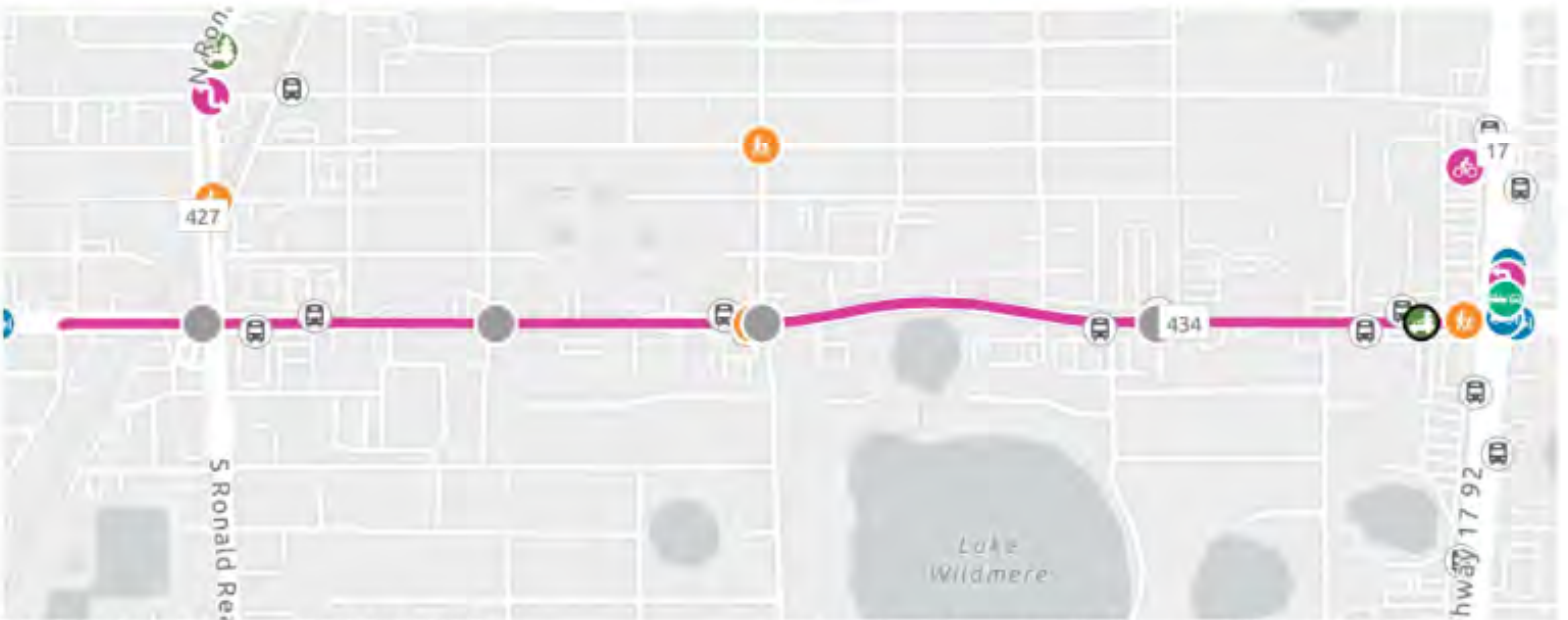
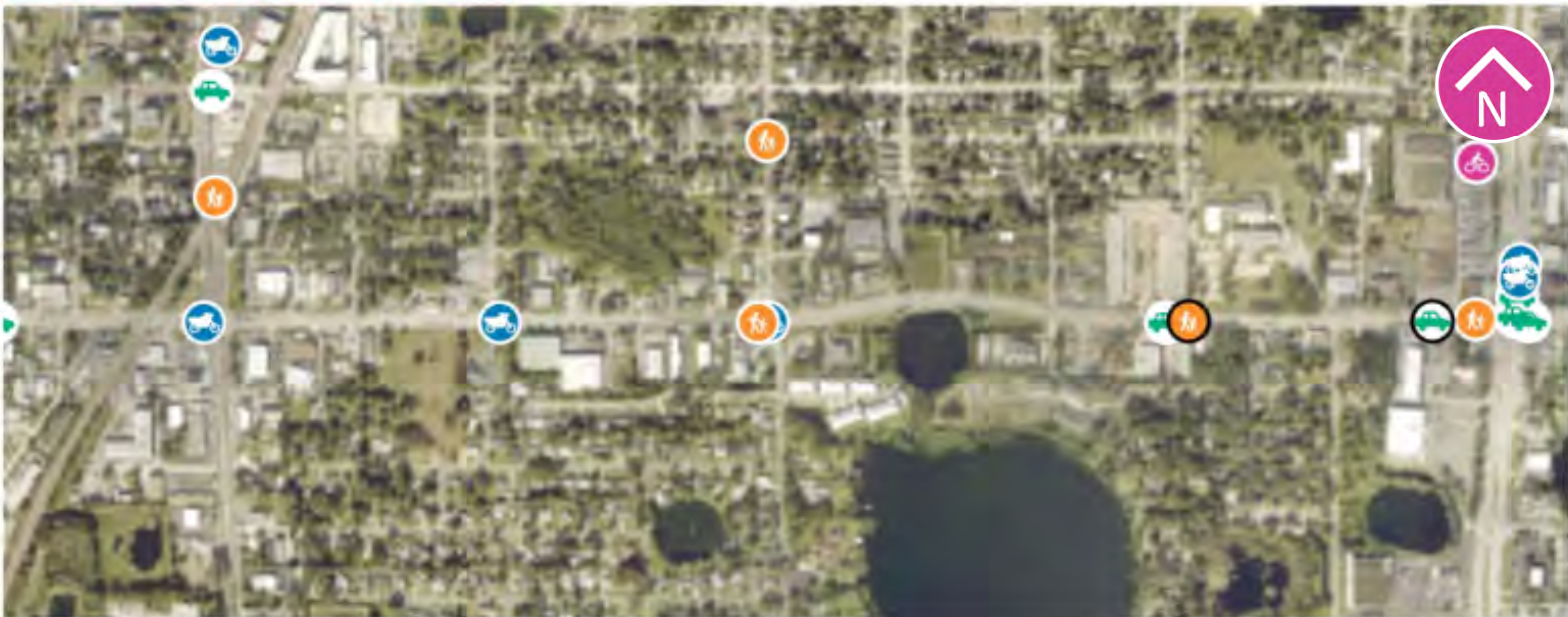
Pedestrian Hybrid Beacon



Co-locate Bus Stops and Pedestrian Crossings

1.31 Miles
Crash Score: 7,673

Jurisdiction: State



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

- Sideswipe
- Rollover
- Off Road
- Other

***Deaths shown with icon outlined in black**

- Death
- Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

2. SR 46, Avocado Ave to US 17

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	2 Pedestrian
0 Bicyclist	0 Bicyclist
1 Motorcyclist	0 Motorcyclist
0 Motorist	0 Motorist
3 Total KSI	

Existing Conditions

C3C	Context Classification
40	Posted Speed Limit
50	Operating Speed
Features	Sidewalks

Potential Solutions

Buffered Bike Lanes

Segment Lighting

RRFB

Appropriate Speed Limits

Add Sidewalk and Fill Sidewalk Gaps

Reduced Left-Turn Conflict Intersections

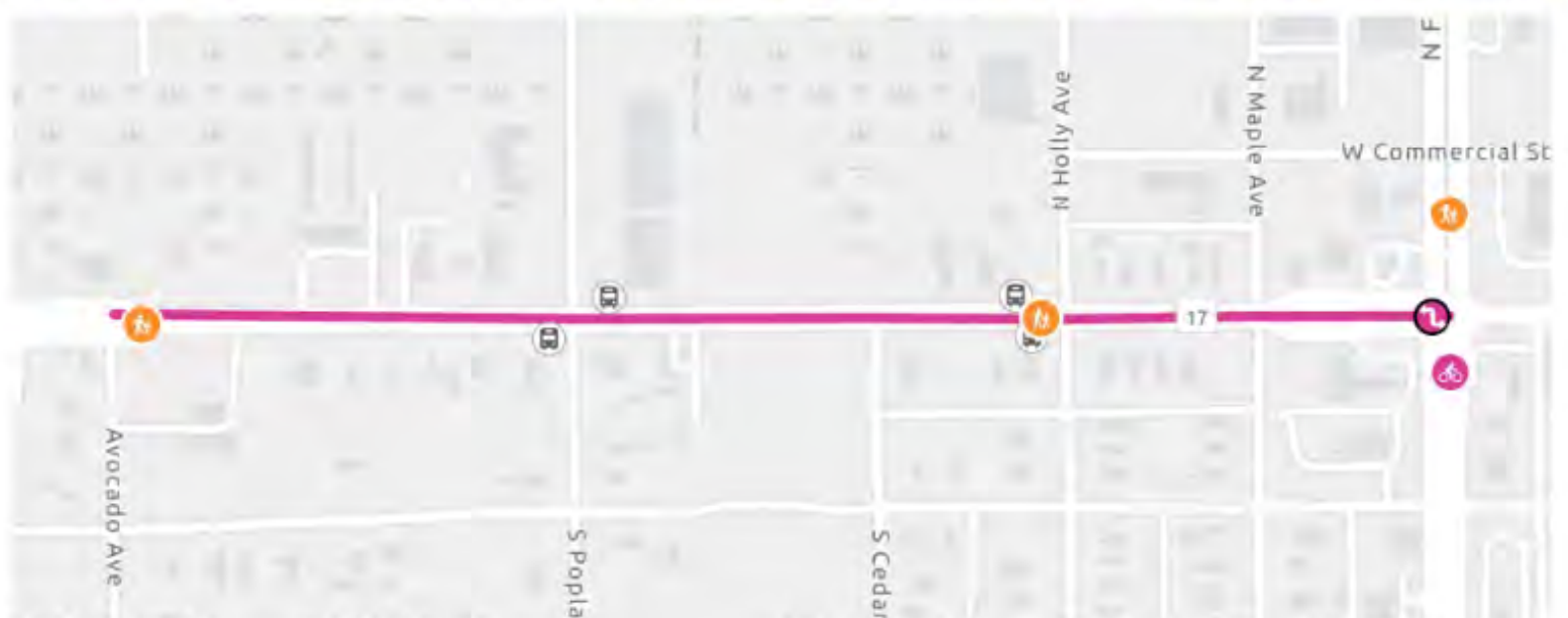
Raised Median, east of Avocado Ave

Lane Narrowing

Speed Feedback Sign

0.44 Miles
Crash Score: 7,440

Jurisdiction: State



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

Sideswipe

Rollover

Off Road

Other

*Deaths shown with icon outlined in black

Death

Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

3. US 17-92, Seminole Blvd to 13th St

1.03 Miles
Crash Score: 7,414

Jurisdiction: State

Crash History (2018 - 22)

Deadly	Serious Injury
2 Pedestrian	2 Pedestrian
0 Bicyclist	1 Bicyclist
0 Motorcyclist	0 Motorcyclist
0 Motorist	0 Motorist
5 Total KSI	

Existing Conditions

C3C	Context Classification
40	Posted Speed Limit
45	Operating Speed
Features	Traffic signal, wide sidewalks, raised median (N of 1st St)

Potential Solutions



Buffered Bike Lanes



Raised Median



Pedestrian Hybrid Beacon



Appropriate Speed Limits



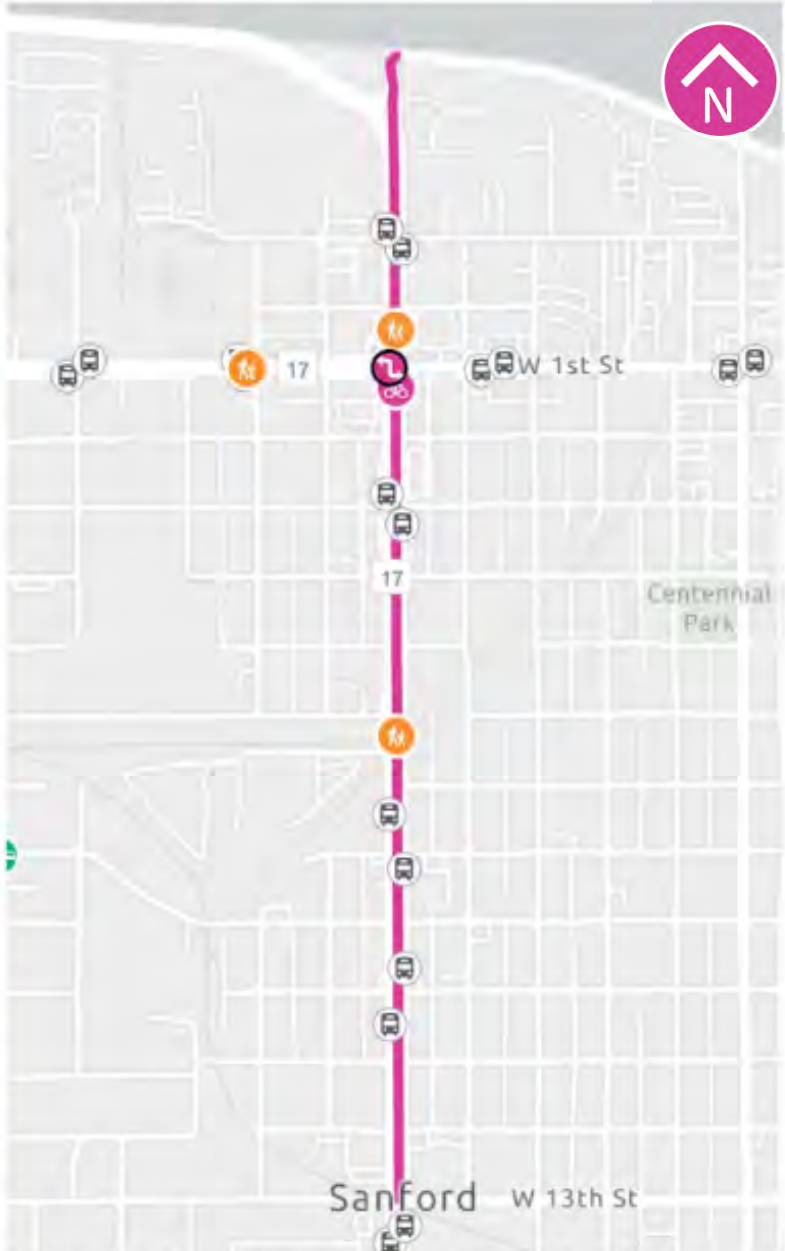
Landscaped Buffer



Upgrade Lighting to LED



Lane Narrowing



CRASH MODE:

Pedestrian

Bicycle

Motorcycle

Motor Vehicle

CRASH TYPE:

Angle

Head On

Left Turn

Rear End

Sideswipe

Rollover

Off Road

Other

 FHWA PROVEN SAFETY COUNTERMEASURE

*Deaths shown with icon outlined in black

Death

Bus Stops

4. US 17-92, 20th St to 27th St


Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	3 Pedestrian
0 Bicyclist	1 Bicyclist
1 Motorcyclist	0 Motorcyclist
5 Motorist	1 Motorist
11 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
47	Operating Speed
Features	Traffic signals, raised medians (S of Park Dr), wide sidewalks, bike lanes (S of Park Dr)

Potential Solutions



Raised Median



Appropriate Speed Limits



RRFB



Separated Bike Lane



Lane Narrowing



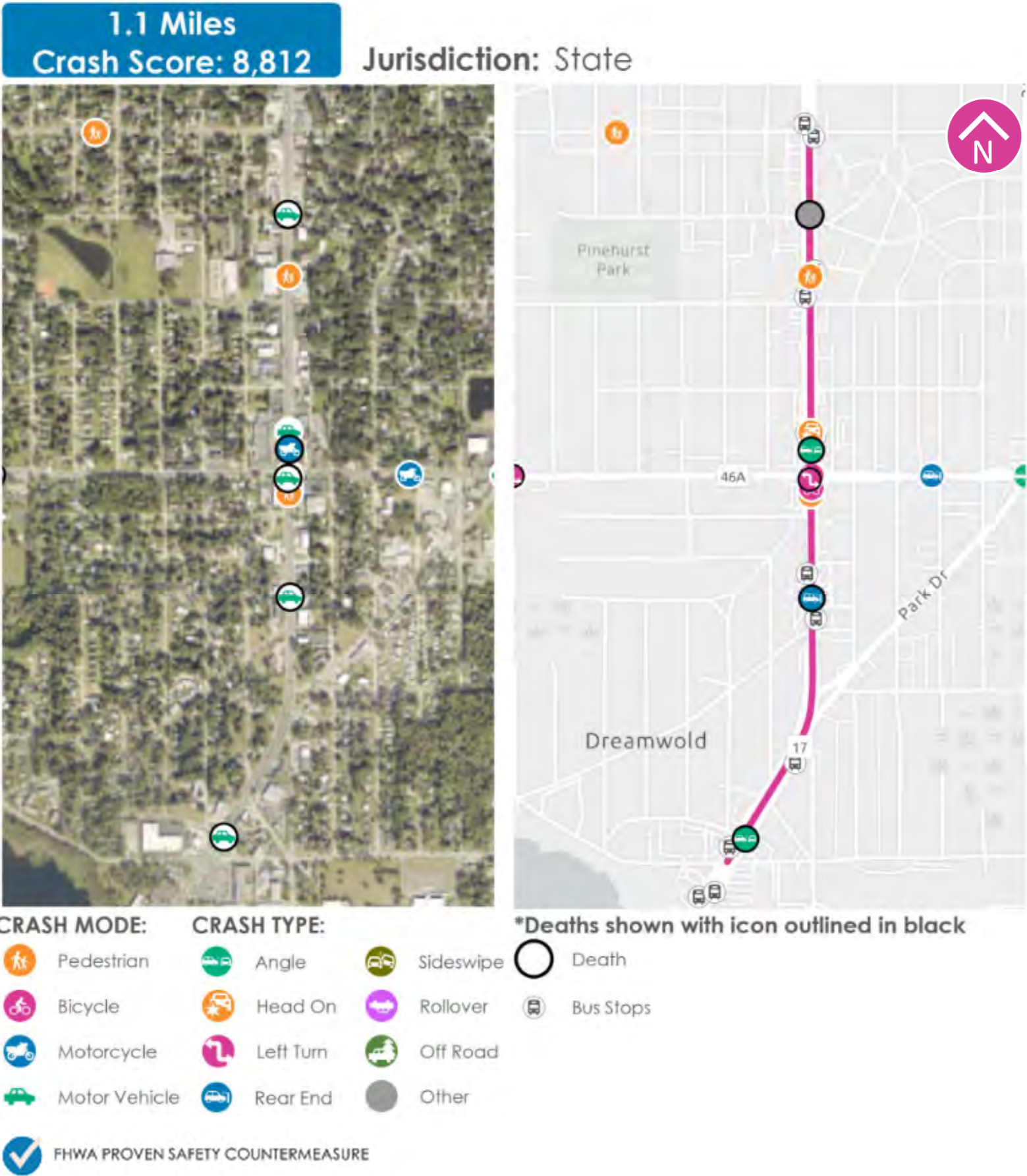
Increase Crosswalk Density



Landscape Buffer



Upgrade Lighting to LED



5. SR 46, Terwilliger Ln to Avocado Ave


Crash History (2018 - 22)

Deadly	Serious Injury
1 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	2 Motorcyclist
0 Motorist	3 Motorist
6 Total KSI	


Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
50	Operating Speed
Features	Raised medians, bike lanes


Potential Solutions




Segment Lighting




Reduced Left-Turn Conflict Intersections




Appropriate Speed Limits




Add Sidewalk and Fill Sidewalk Gaps




RRFB



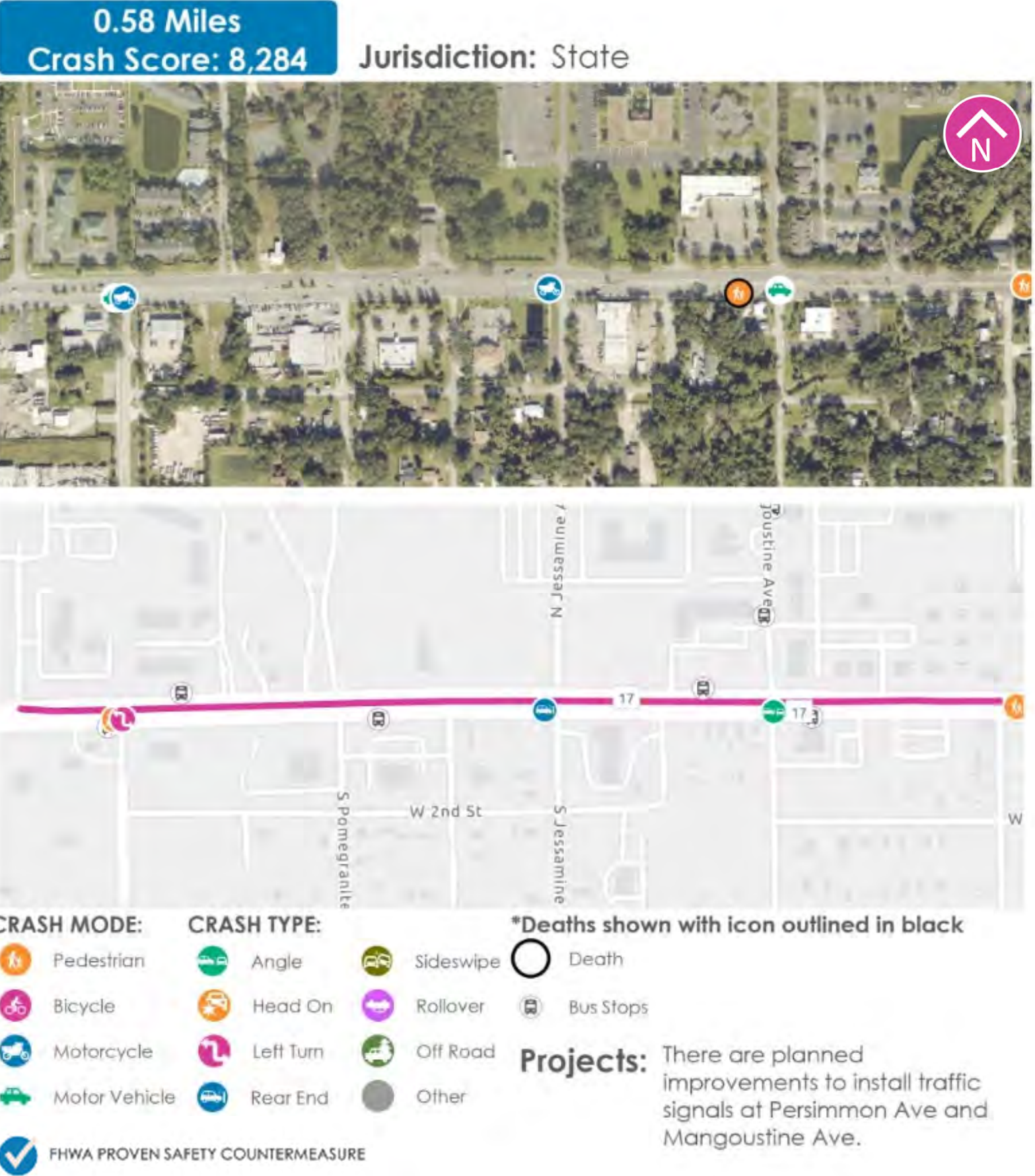
Separated Bike Lane



Lane Narrowing



Speed Feedback Sign



6. SR 434, US 17-92 to Belle Ave

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	1 Pedestrian
1 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
0 Motorist	5 Motorist
7 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
49	Operating Speed
Features	Sidewalks, raised median, signalized intersections, high-visibility crosswalks

Potential Solutions



Segment Lighting



Separated Bikeway



Refuge Island at Belle Ave



Curb Return Radius Reduction



7. SR 436, Palm Springs Dr to US 17-92

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	1 Pedestrian
0 Bicyclist	1 Bicyclist
1 Motorcyclist	0 Motorcyclist
2 Motorist	2 Motorist
7 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
52	Operating Speed
Features	Raised median, reduced crossing U-turns, high-visibility crosswalks, bike lanes

Potential Solutions



Extend Yellow and All Red Time



Retroreflective Signal Backplates



Access Management



Curb Return Radius Reduction



Shared-Use Path



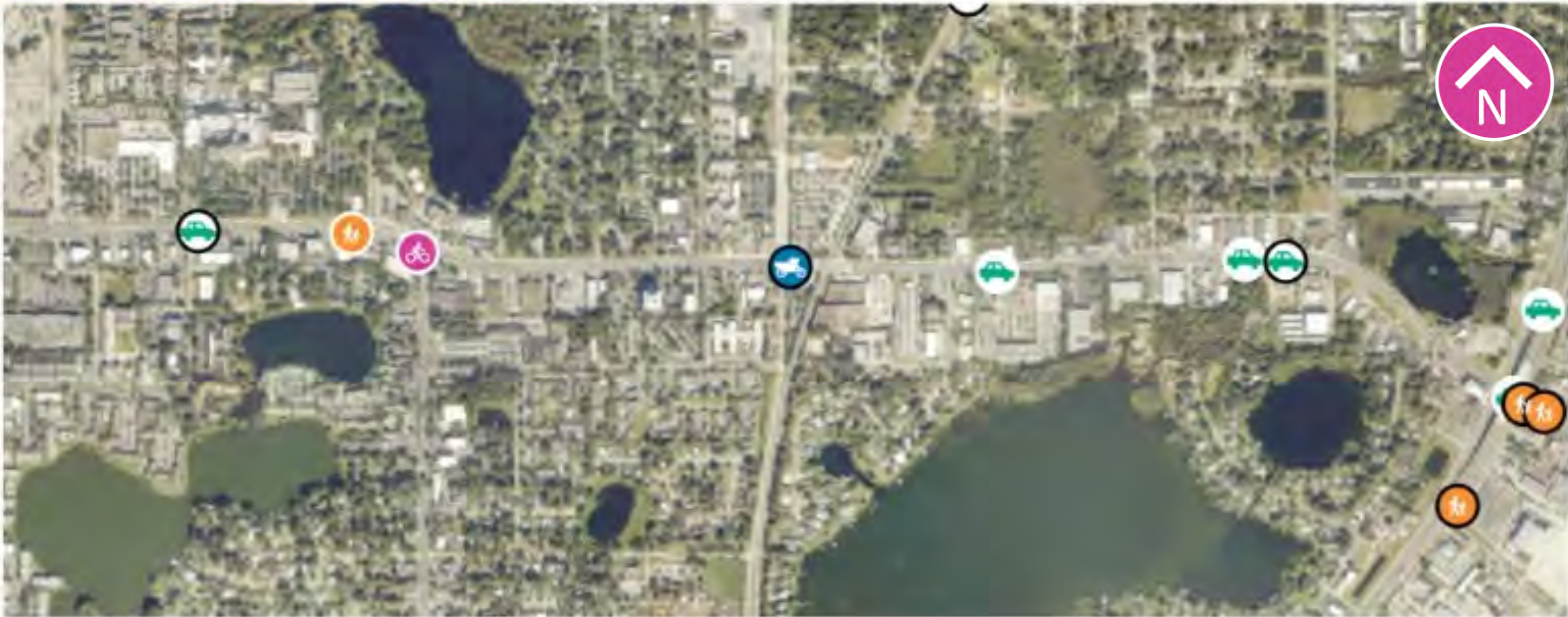
Speed Feedback Sign



Upgrade Intersection Pavement Markings

2.04 Miles
Crash Score: 5,552

Jurisdiction: State



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

Sideswipe

Rollover

Off Road

Other

*Deaths shown with icon outlined in black

- Death
- Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

8. US 17-92, Live Oak Gdns to South St


Crash History (2018 - 22)

Deadly	Serious Injury
1 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
0 Motorist	4 Motorist
5 Total KSI	


Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
53	Operating Speed
Features	Raised median, traffic signals, high-visibility crosswalks, sidewalks, bike lanes


Potential Solutions




Appropriate Speed Limits




Raised Median from Ridge Rd to South St.




Separated Bikeway




Refuge Islands (South St and Lake of Woods Blvd)




Extend Pedestrian Crossing Time



Curb-Return Radius Reduction

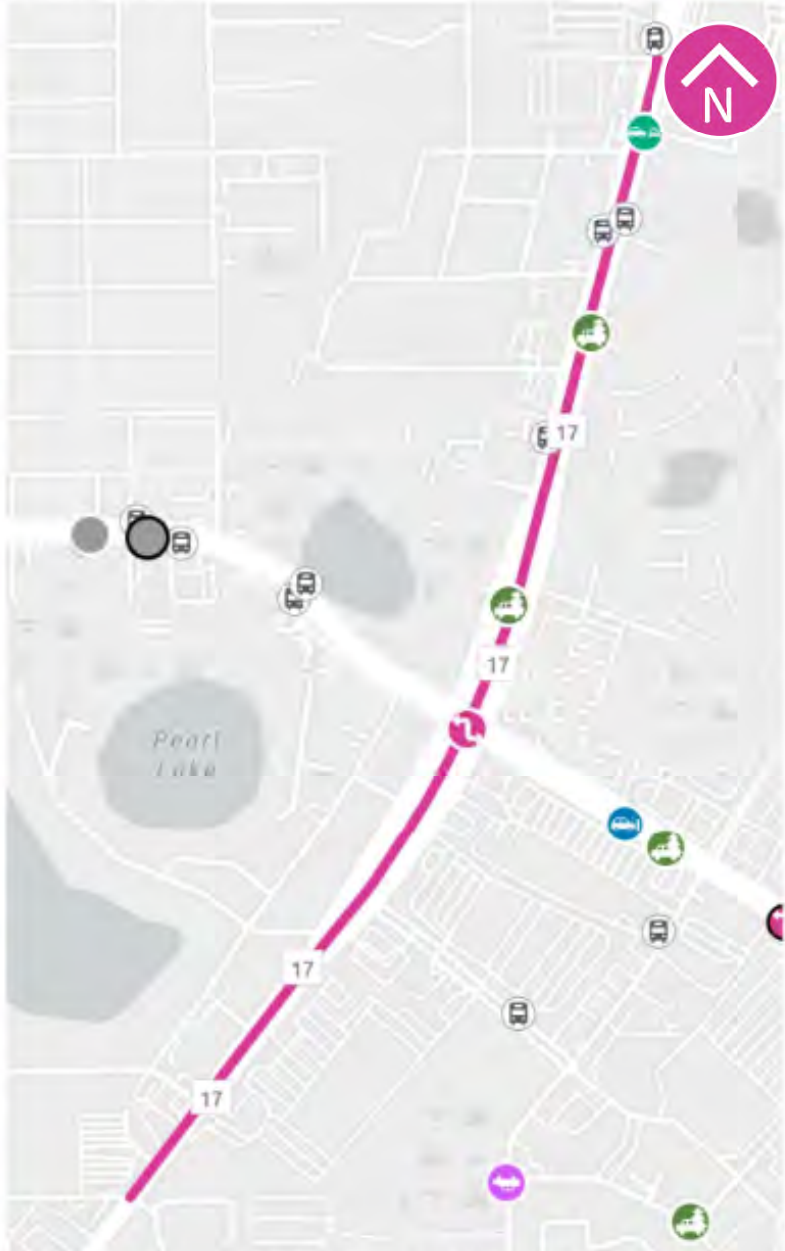


Enhanced Daylighting/Slow Turn Wedge



Green Conflict Striping

1.23 Miles
Crash Score: 3,929
Jurisdiction: State



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

Sideswipe

- Rollover
- Off Road
- Other

*Deaths shown with icon outlined in black

- Death
- Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

9. US 17-92, Shepard Rd to Gold Days Dr

Crash History (2018 - 22)

Deadly	Serious Injury
1 Pedestrian	2 Pedestrian
0 Bicyclist	1 Bicyclist
1 Motorcyclist	4 Motorcyclist
1 Motorist	7 Motorist
17 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
57	Operating Speed
Features	Traffic lights, raised medians, reduced left-turn conflict intersection, segment lighting

Potential Solutions

Close Driveways

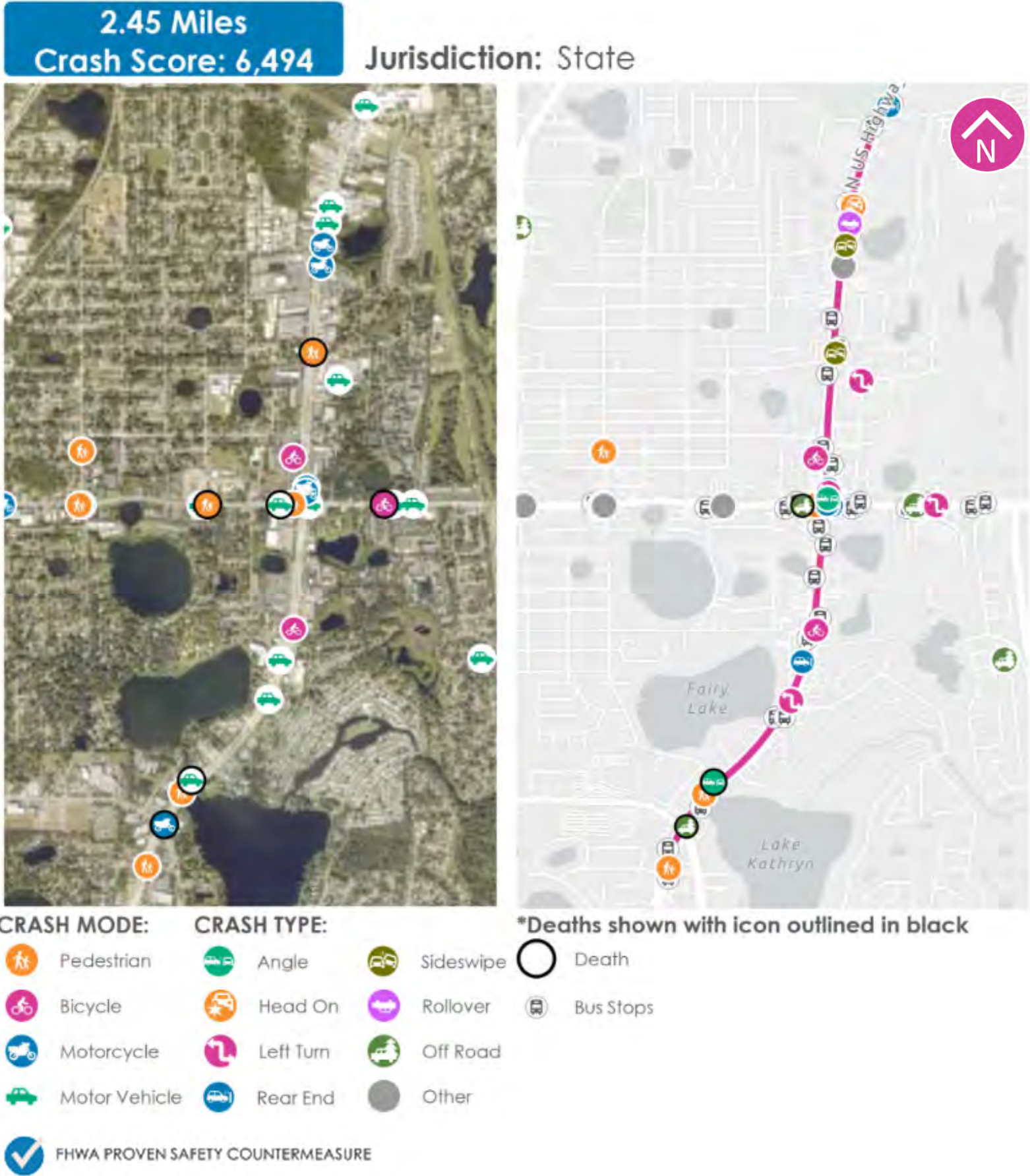
Extend Yellow and All-Red Time at SR 434 & US 17/92

Co-Locate Bus Stops and Pedestrian Crossings

Landscaped Buffer

Shared-Use Path

Green Conflict Striping



10. SR 436, US 17-92 to Red Bug Lake Rd


Crash History (2018 - 22)

Deadly	Serious Injury
2 Pedestrian	1 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	3 Motorcyclist
3 Motorist	2 Motorist
11 Total KSI	


Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
55	Operating Speed
Features	Median, channelized left turns, signalized intersections, high visibility crosswalks, sidewalks


Potential Solutions




Extend Yellow and All Red Time




Reduced Left-Turn Conflict Intersection




Separated Bikeway




Appropriate Speed Limits




Refuge Island between US 17-92 and Oxford Rd



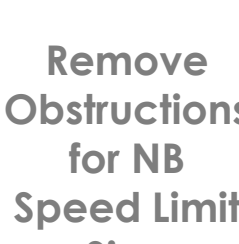
Leading Pedestrian Interval and Pedestrian Recall




Speed Feedback Sign



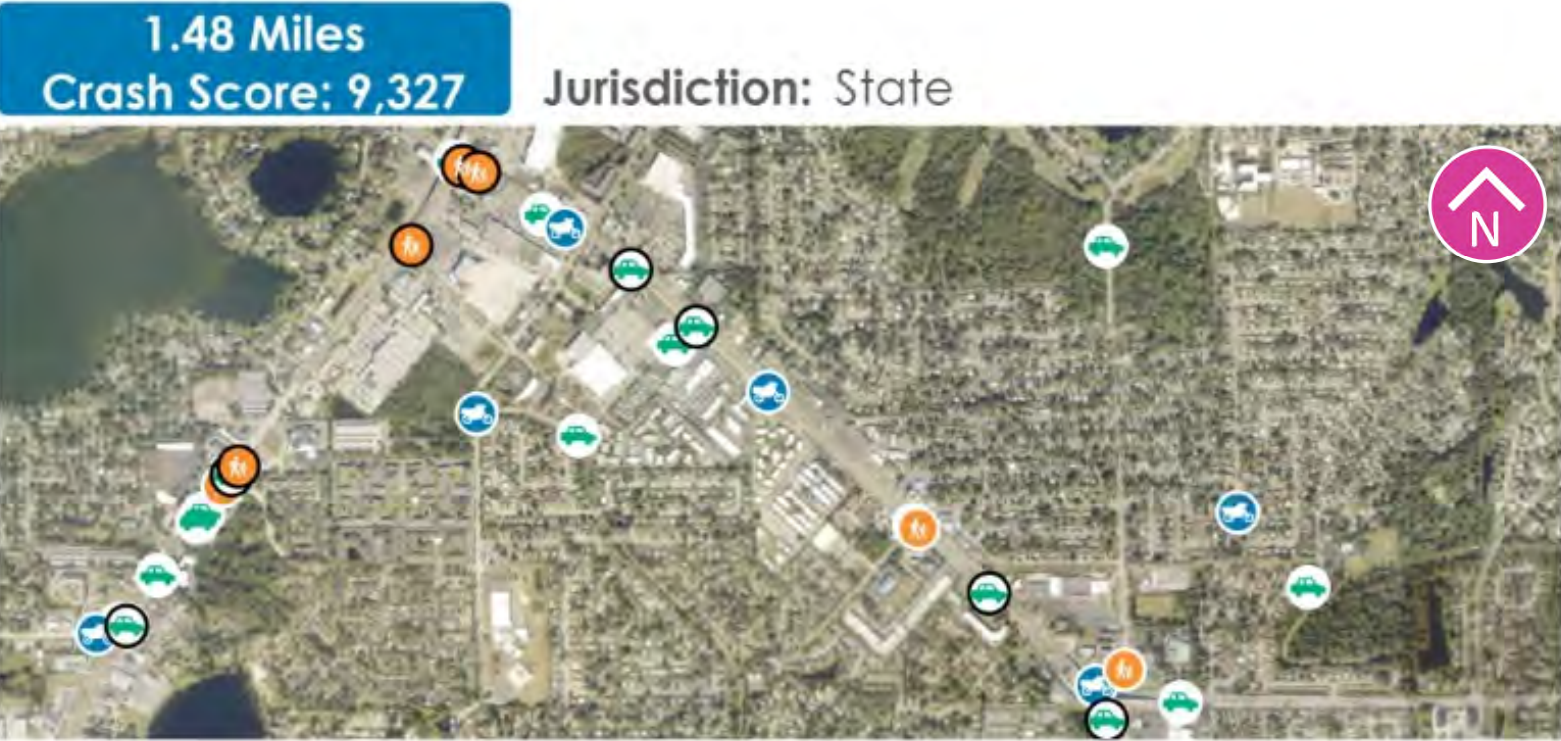
Widen Sidewalk



Remove Obstructions for NB Speed Limit Sign



Curb & Gutter from Oxford Sq to Wilshire Dr



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

*Deaths shown with icon outlined in black

- Sideswipe
- Rollover
- Off Road
- Other

Death

Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

11. SR 46, Central Park Dr to Aero Ln

Crash History (2018 - 22)

Deadly	Serious Injury
1 Pedestrian	1 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
1 Motorist	0 Motorist
3 Total KSI	

Existing Conditions

C3C	Context Classification
55	Posted Speed Limit
59	Operating Speed
Features	Wide sidewalk, raised median, signalized intersections, high-visibility crosswalks

Potential Solutions

0.43 Miles
Crash Score: 7,121
Jurisdiction: State



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

*Deaths shown with icon outlined in black

- Sideswipe
- Rollover
- Off Road
- Other

Death

Bus Stops

Projects: There is a planned traffic signal at Aero Ln.

FHWA PROVEN SAFETY COUNTERMEASURE

12. US 17-92, South St to Spartan Dr

Crash History (2018 - 22)

Deadly	Serious Injury
1 Pedestrian	1 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	2 Motorcyclist
3 Motorist	9 Motorist
16 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
55	Operating Speed
Features	Raised median, traffic signals, high-visibility crosswalks, sidewalks, bike lanes

Potential Solutions



Appropriate Speed Limits



Curve Advance Warning Sign



Access Management



Raised Median from Ridge Rd to South St.



Refuge Islands between South St and Lake of the Woods Blvd



Upgrade Striping



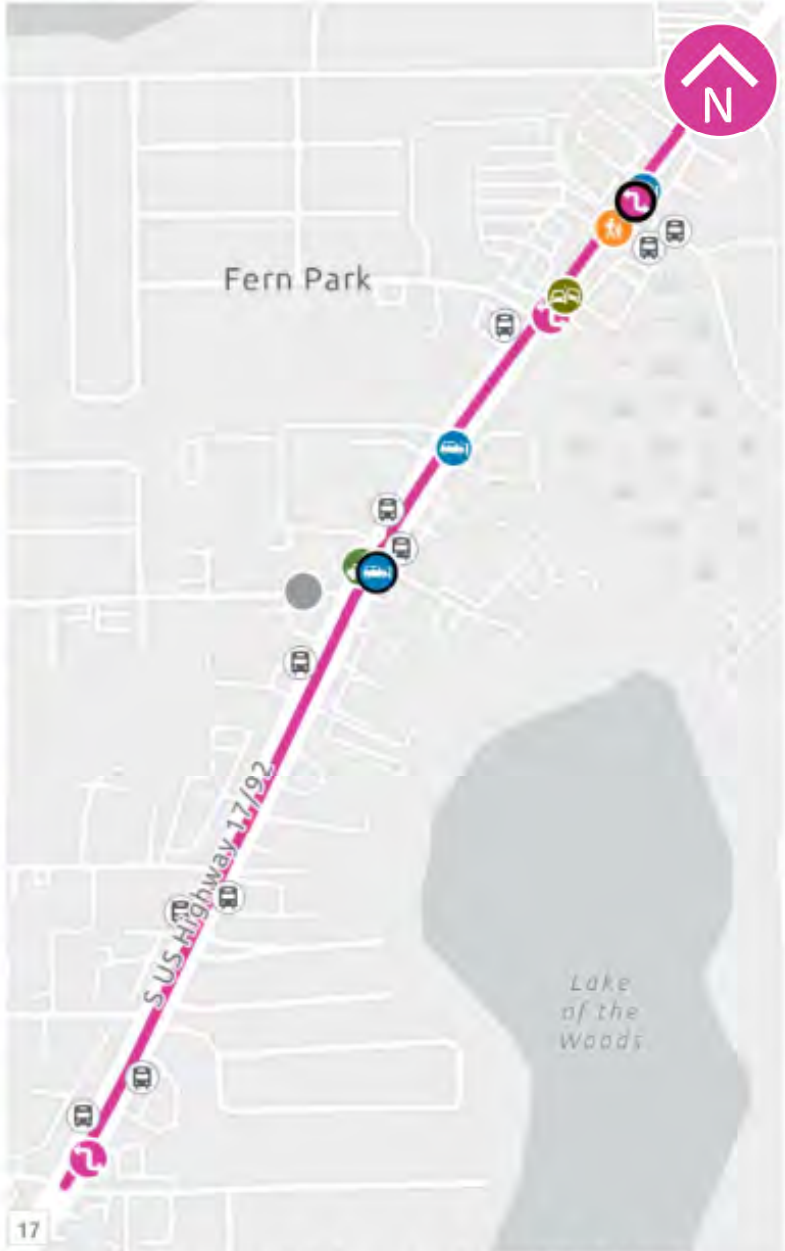
Reduced Left-Turn Conflict Intersection



Extend Pedestrian Crossing Time

0.92 Miles
Crash Score: 9,882

Jurisdiction: State



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

Other Crash Types:

- Sideswipe
- Rollover
- Off Road
- Other

Legend:

- Death (icon outlined in black)
- Bus Stops

***Deaths shown with icon outlined in black**

FHWA PROVEN SAFETY COUNTERMEASURE

13. SR 436, Montgomery Rd to Palm Springs Dr

Crash History (2018 - 22)

Deadly	Serious Injury
1 Pedestrian	2 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	2 Motorcyclist
0 Motorist	8 Motorist
13 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
52	Operating Speed
Features	Raised median, reduced crossing U-turns, high-visibility crosswalks, bike lanes

Potential Solutions



Refuge Island at Festival Drive



Access Management



Speed Feedback Sign



Curb Return Radius Reduction



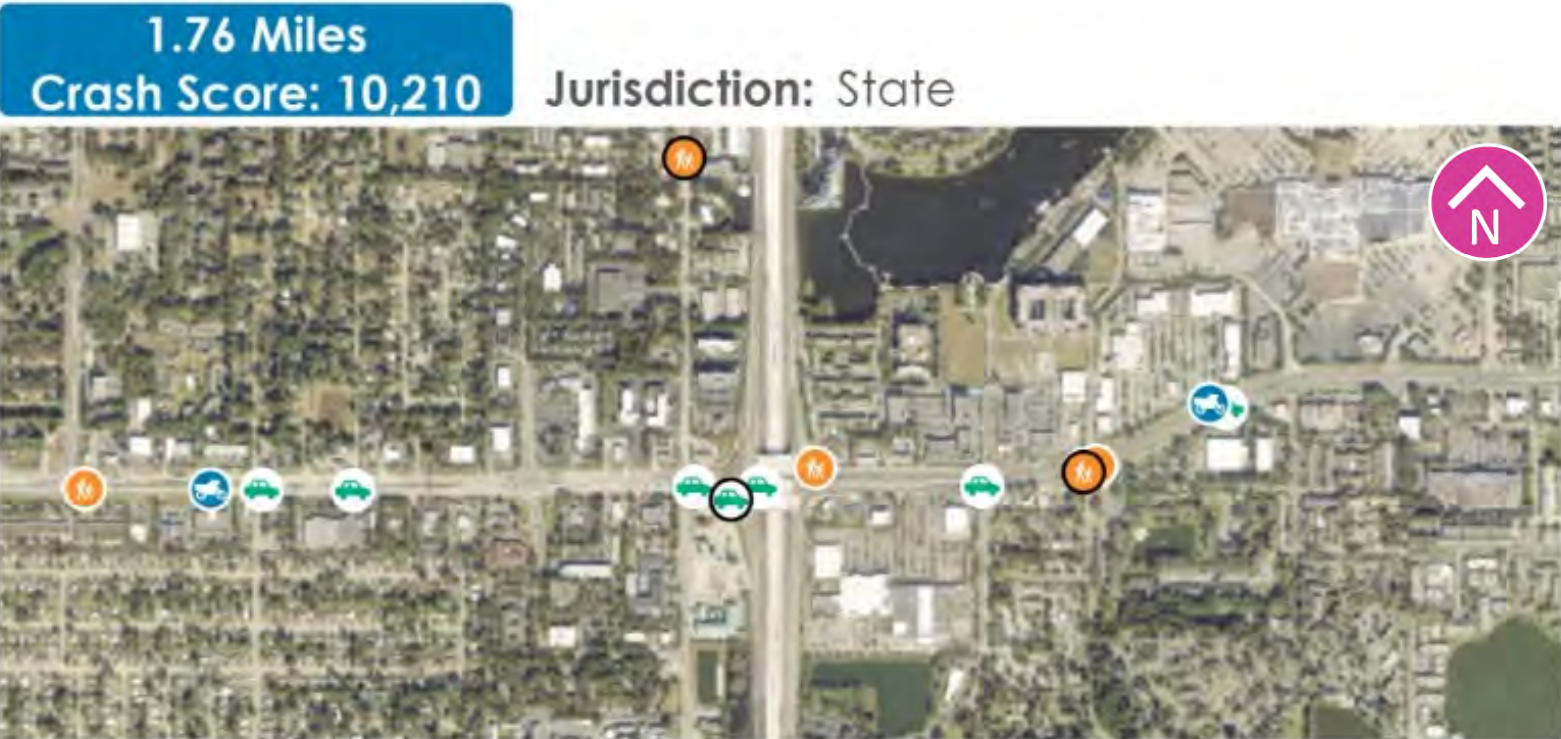
Extend Pedestrian Crossing Time



Shared-Use Path



Enhanced Daylighting/Slow Turn Wedge



14. SR 426, Tuskawilla Rd to SR 417

Crash History (2018 - 22)		Existing Conditions	
Deadly	Serious Injury	C3C	Context Classification
0 Pedestrian	1 Pedestrian	45	Posted Speed Limit
0 Bicyclist	0 Bicyclist	47	Operating Speed
0 Motorcyclist	2 Motorcyclist	Features	Raised median, traffic signals, high-visibility crosswalks, sidewalks, bike lanes
1 Motorist	1 Motorist		
5 Total KSI			

Segment Lighting

Intersection Lighting

Appropriate Speed Limits

Extend Yellow and All Red Time at SR 417 Intersections

Curb-Return Radius Reduction

Green Conflict Striping

Shared-Use Path



15. Lake Mary Blvd, Celery Ave

0.21 Mi N to SR 46


Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
3 Motorcyclist	3 Motorcyclist
0 Motorist	1 Motorist
7 Total KSI	


Existing Conditions

C3R	Context Classification
45	Posted Speed Limit
62	Operating Speed
Features	Raised median, traffic signals, high-visibility crosswalks, sidewalks, bike lane


Potential Solutions




Appropriate Speed Limits




Separated Bikeway




Intersection Lighting



Segment Lighting



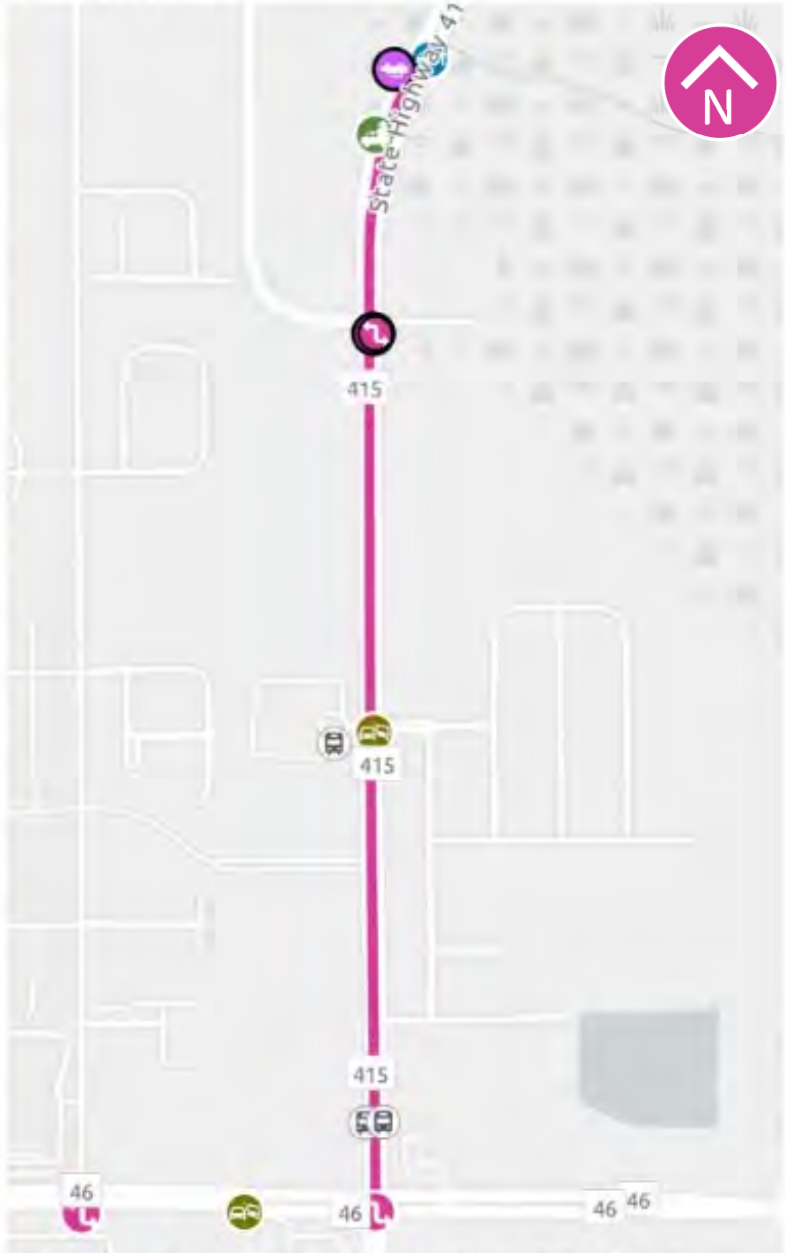
Upgrade Striping



Traffic Signal at Celery Ave

0.89 Miles
Crash Score: 7,576

Jurisdiction: State



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

Other Crash Types:

- Sideswipe
- Rollover
- Off Road
- Other

***Deaths shown with icon outlined in black**

- Death
- Bus Stops

Projects: A traffic signal was recently installed at Celery Ave and Lake Mary Blvd and there are planned lighting improvements.

16. US 17-92, 27th St to Lake Minnie Dr/Collins Dr

Crash History (2018 - 22)

Deadly	Serious Injury
1 Pedestrian	1 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	4 Motorcyclist
0 Motorist	4 Motorist
10 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
50	Operating Speed
Features	Reduced left-turn conflict intersection, traffic signals, wide sidewalk (south of Lake Mary Blvd), buffered bike lanes

Potential Solutions



Close Driveways



Green Conflict Markings



Landscaped Buffer and Median



Shared-Use Path



High-Visibility Crosswalks (all Side Streets & Intersection Legs)

2.12 Miles
Crash Score: 5,882
Jurisdiction: State



CRASH MODE:

Pedestrian

Bicycle

Motorcycle

Motor Vehicle

FHWA PROVEN SAFETY COUNTERMEASURE

CRASH TYPE:

Angle

Head On

Left Turn

Rear End

Sideswipe

Rollover

Off Road

Other

*Deaths shown with icon outlined in black

Death

Bus Stops

Projects: Resurfacing improvements have recently occurred south of Lake Mary Blvd

17. SR 434, Great Pond Dr to SR 436


Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	2 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
1 Motorist	2 Motorist
5 Total KSI	


Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
53	Operating Speed
Features	Raised median, reduced crossing U-turns, and bike lanes (Calabria Dr to SR 436), high-visibility crosswalks


Potential Solutions




Buffered Bike Lane




Refuge Island




Raised Median



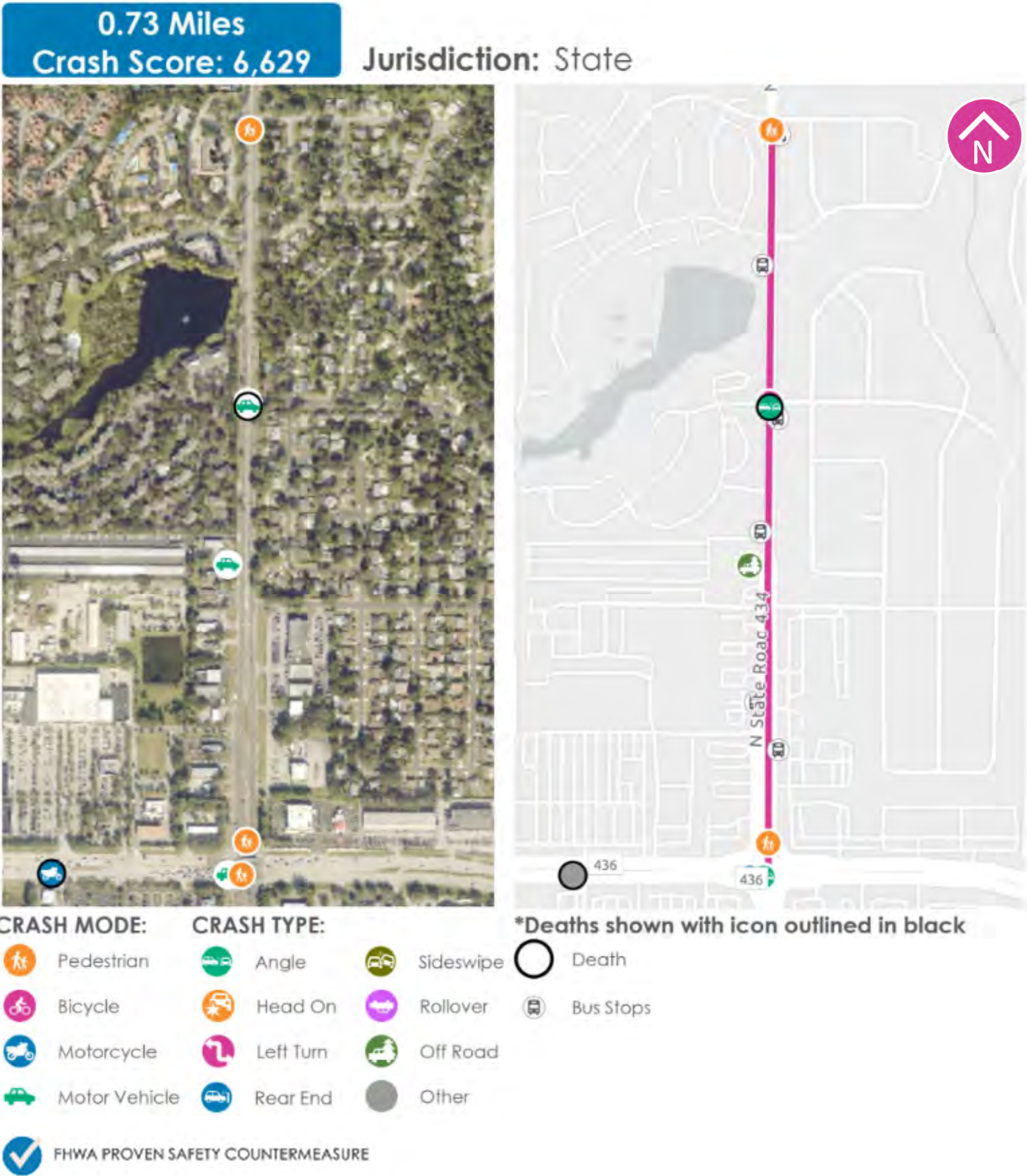
Reduced Left-Turn Conflict Intersection



Speed Feedback Sign



Lane Narrowing



18. SR 434, Spring Centre South Blvd to Springwood Cir

Crash History (2018 - 22)

Deadly	Serious Injury
1 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
0 Motorist	4 Motorist
5 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
51	Operating Speed
Features	Traffic signals, retroreflective signal backplates, raised medians, high-visibility crosswalks, bike lanes

Potential Solutions



Segment Lighting



Intersection Lighting



Leading Pedestrian Interval, Raymond Ave & SR 434

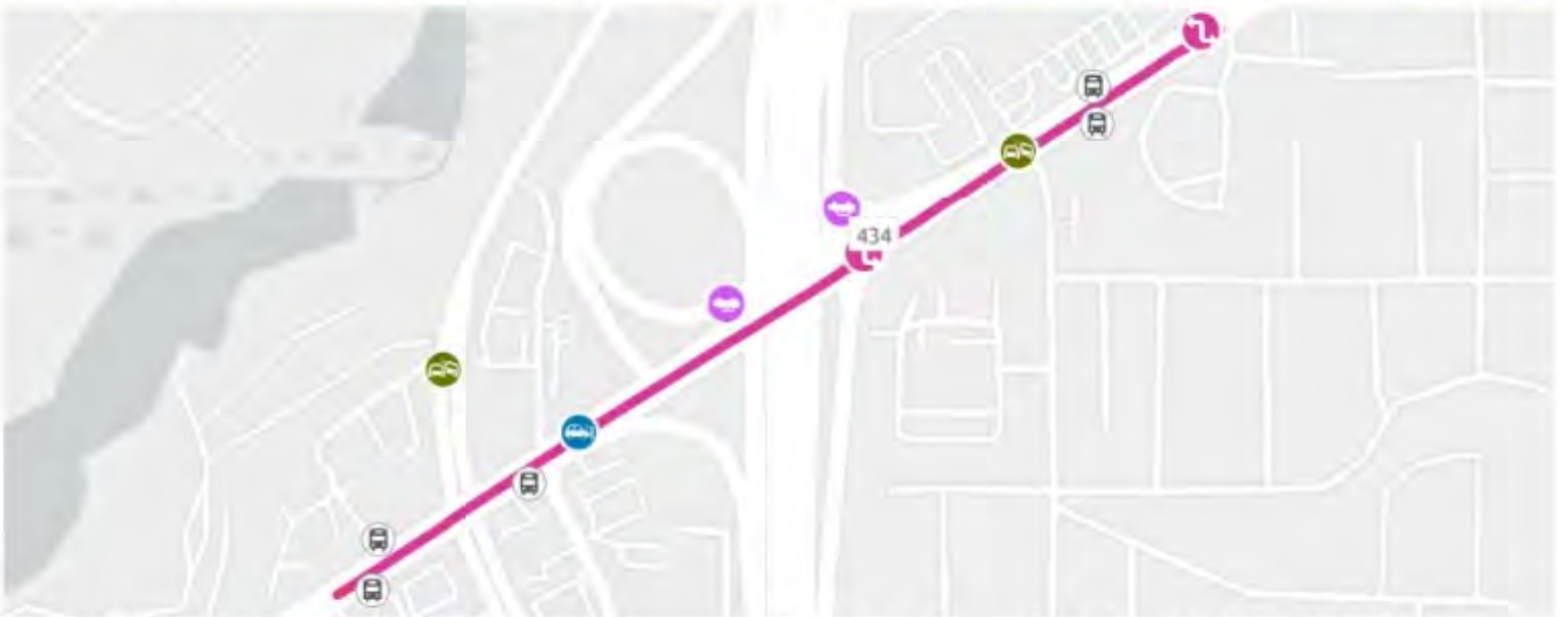


Green Conflict Striping



Lane Narrowing

0.61 Miles
Crash Score: 9,047
Jurisdiction: State



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

Sideswipe

- Rollover
- Off Road
- Other

*Deaths shown with icon outlined in black

- Death
- Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

19. SR 434, Springwood Cir to Palm Springs Dr


Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	1 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
0 Motorist	1 Motorist
2 Total KSI	


Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
54	Operating Speed
Features	Traffic signals, raised and landscaped median, reduced left-turn conflict intersection, retroreflective signal backplates


Potential Solutions




Intersection Lighting




Segment Lighting




Pedestrian Hybrid Beacon



Refuge Island



Co-Locate Bus Stops and Pedestrian Crossings



Green Conflict Striping

0.87 Miles
Crash Score: 2,316
Jurisdiction: State



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

*Deaths shown with icon outlined in black

- Sideswipe
- Rollover
- Off Road
- Other

Death

Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

20. SR 436, Red Bug Lake Rd to County Bnd

Crash History (2018 - 22)

Deadly	Serious Injury
3 Pedestrian	1 Pedestrian
1 Bicyclist	0 Bicyclist
2 Motorcyclist	2 Motorcyclist
2 Motorist	5 Motorist
16 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
54	Operating Speed
Features	Medians, Traffic Signals, High-visibility crosswalks, sidewalks, channelized left turns, dedicated right turns

Potential Solutions



Extend Yellow and All Red Time



Appropriate Speed Limits



Access Management



Leading Pedestrian Interval and Pedestrian Recall



Refuge Islands at Winter Woods, Howell Branch, Lake Howell Ln & Lake Howell Rd



Curb Return Radius Reduction at all dedicated right-hand turns



Lane Narrowing



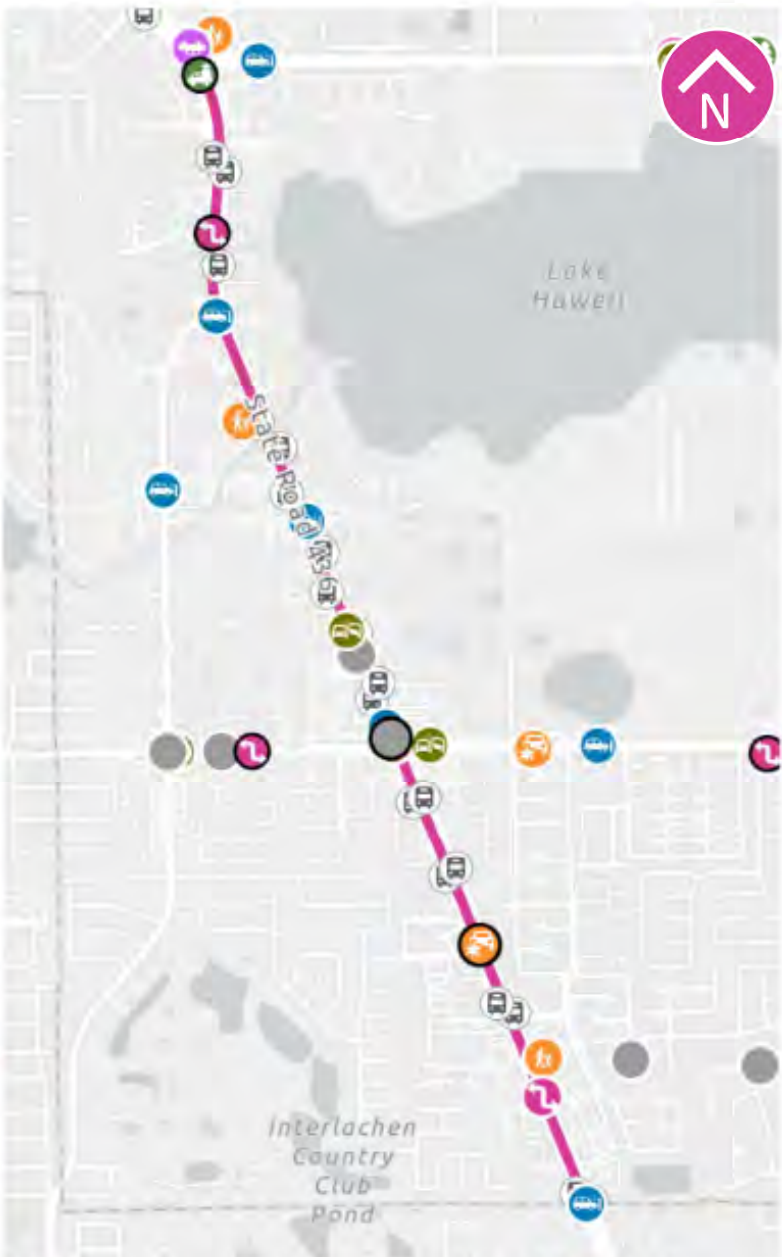
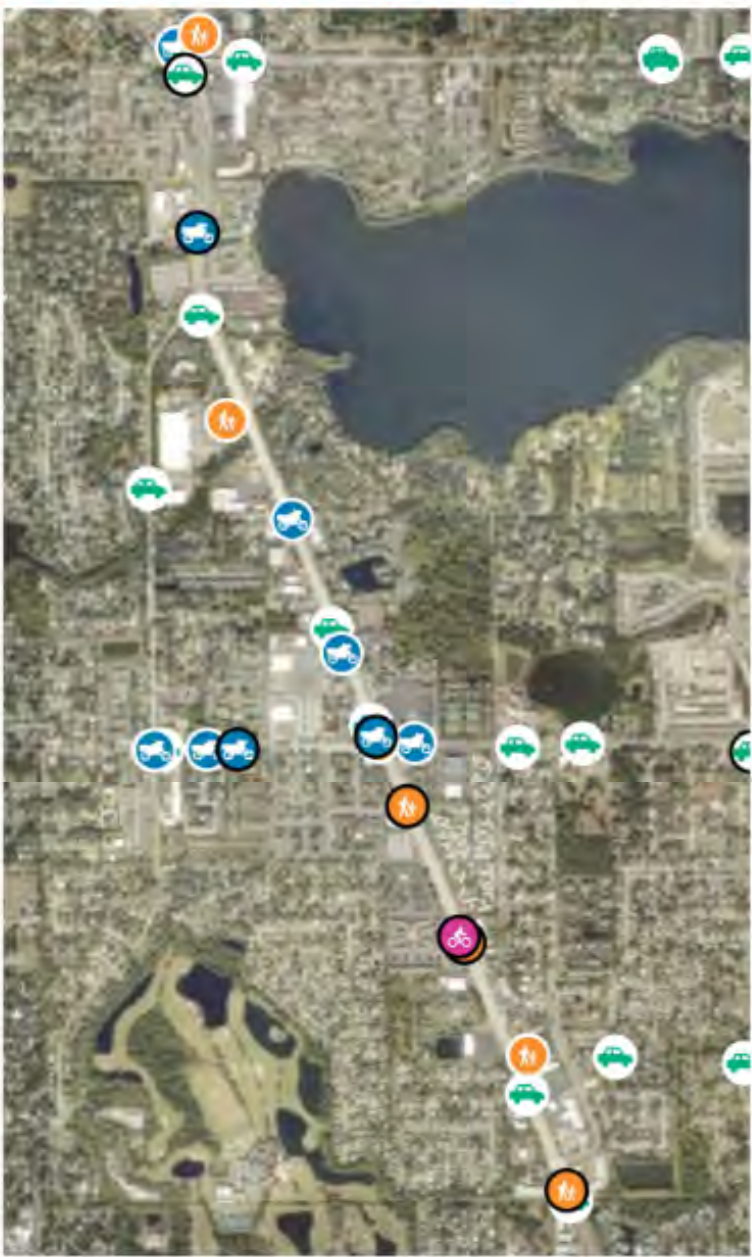
Landscaped Buffer



Co-locate Bus Stops and Pedestrian Crossings

2.66 Miles
Crash Score: 6,584

Jurisdiction: State



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

Other:

- Sideswipe
- Rollover
- Off Road
- Other

***Deaths shown with icon outlined in black**


- Death
- Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE


21. SR 46, Cameron Ave to Richmond Ave

Crash History (2018 - 22)		Existing Conditions	
Deadly	Serious Injury	C3C	Context Classification
0 Pedestrian	0 Pedestrian	45	Posted Speed Limit
0 Bicyclist	0 Bicyclist	68	Operating Speed
0 Motorcyclist	2 Motorcyclist	Features	Raised median, channelized left turns, high-visibility crosswalks
1 Motorist	1 Motorist		
4 Total KSI			


Potential Solutions




Roundabout at Lake Mary



Segment Lighting



Shared-Use Path



Speed Feedback Sign



22. SR 434, Palm Springs Dr to Wilma St


Crash History (2018 - 22)

Deadly	Serious Injury
3 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
0 Motorist	3 Motorist
6 Total KSI	


Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
54	Operating Speed
Features	Traffic signals, raised and landscaped median, reduced left-turn conflict intersection, retroreflective signal backplates


Potential Solutions




Intersection Lighting




Segment Lighting




Pedestrian Hybrid Beacon



Refuge Island



Co-locate Bus Stops and Pedestrian Crossings



Green Conflict Striping



23. SR 436, Pearl Lake Causeway to Montgomery Rd

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	1 Pedestrian
0 Bicyclist	0 Bicyclist
1 Motorcyclist	0 Motorcyclist
0 Motorist	4 Motorist
6 Total KSI	

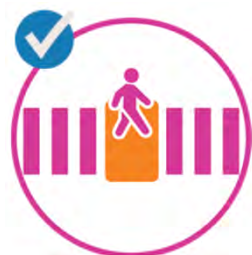
Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
55	Operating Speed
Features	Medians, Traffic Signals, High-visibility crosswalks, sidewalks, channelized left turns, bike lanes

Potential Solutions



Separated Bikeway



Refuge Islands at 434



Leading Pedestrian Interval and Pedestrian Recall



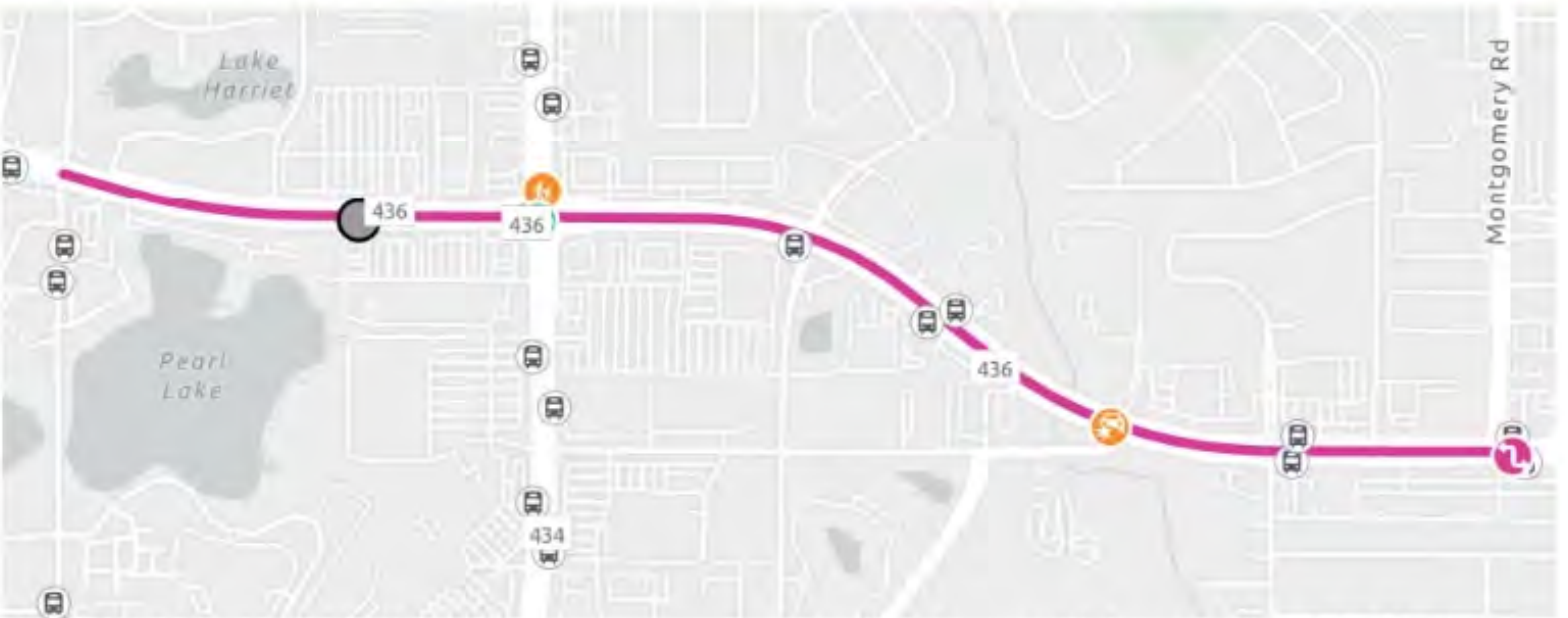
Green Conflict Striping



Co-locate Bus Stops and Pedestrian Crossings

1.55 Miles
Crash Score: 5,659

Jurisdiction: State



CRASH MODE:

Pedestrian

Bicycle

Motorcycle

Motor Vehicle

CRASH TYPE:

Angle

Head On

Left Turn

Rear End

Sideswipe

Rollover

Off Road

Other

*Deaths shown with icon outlined in black

Death

Bus Stops

 FHWA PROVEN SAFETY COUNTERMEASURE

24. SR 436, Line Dr to Pearl Lake Causeway

Crash History (2018 - 22)

Deadly	Serious Injury
2 Pedestrian	1 Pedestrian
0 Bicyclist	1 Bicyclist
2 Motorcyclist	1 Motorcyclist
1 Motorist	4 Motorist
12 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
55	Operating Speed
Features	Medians, Traffic Signals, High-visibility crosswalks, sidewalks, channelized left turns, bike lanes

Potential Solutions



Appropriate Speed Limits



Separated Bikeway



Segment Lighting



Close Driveways, restrict left turns east of Balmy Beach Drive



Leading Pedestrian Interval and Pedestrian Recall



Co-Locate Bus Stops and Pedestrian Crossings

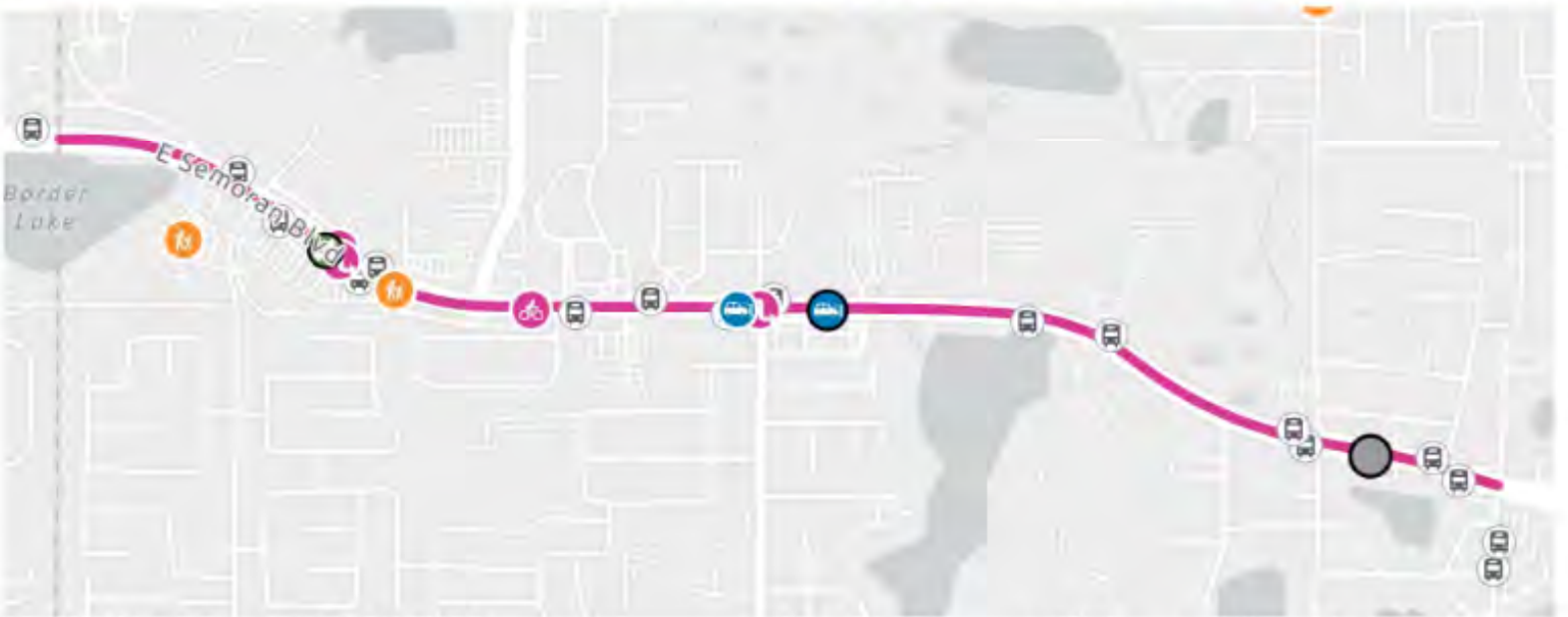


Curb Return Radius Reduction at Executive Park Ct



Lane Narrowing

2.07 Miles
Crash Score: 6,520
Jurisdiction: State



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

*Deaths shown with icon outlined in black

- Sideswipe
- Rollover
- Off Road
- Other

Death

Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

25. SR 46, US 17 to Mellonville Ave


Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	4 Motorcyclist
1 Motorist	4 Motorist
9 Total KSI	


Existing Conditions

C4	Context Classification
35	Posted Speed Limit
60	Operating Speed
Features	Traffic signals, high-visibility crosswalks, painted median


Potential Solutions




High Friction Surface Treatment



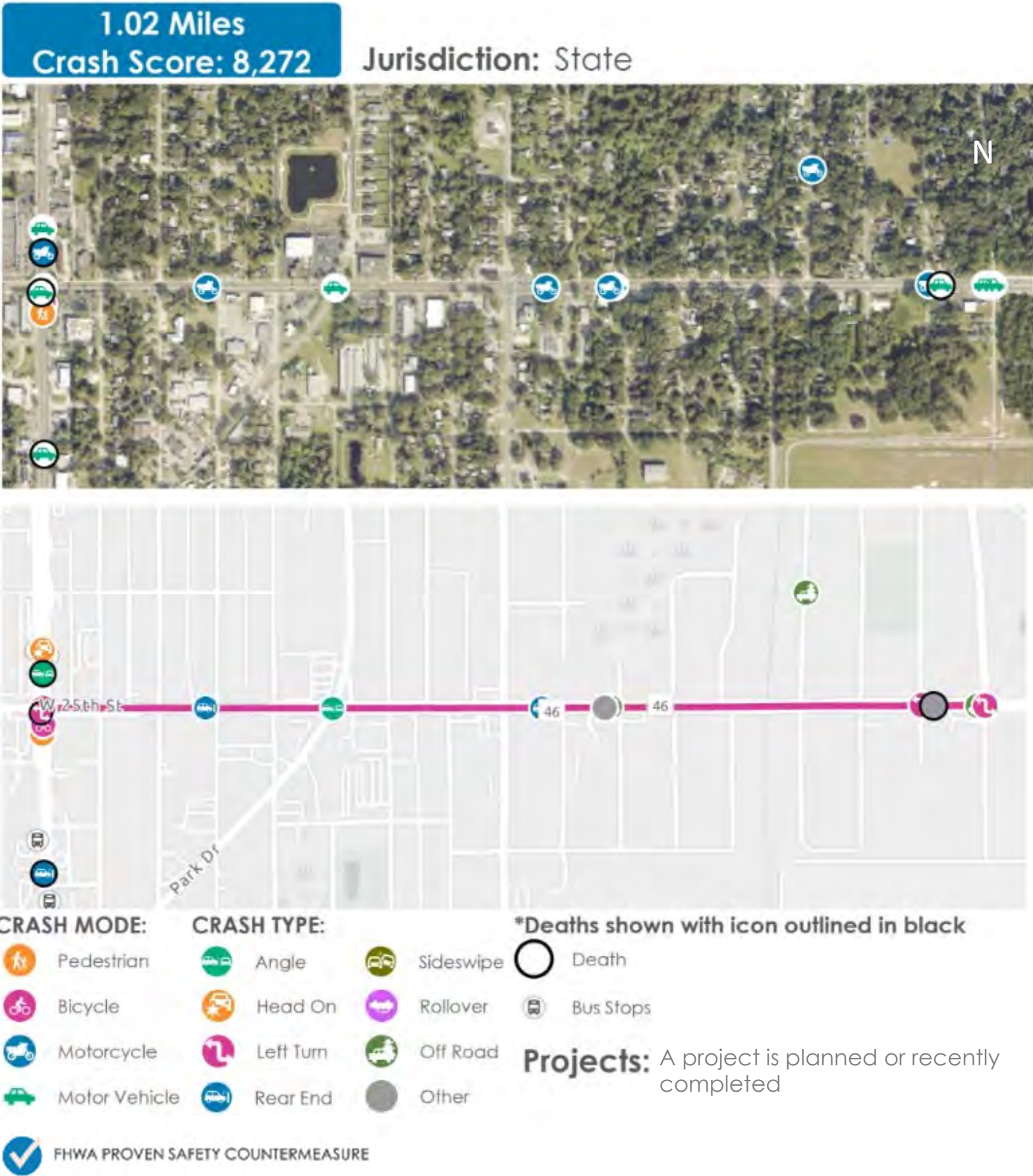
Raised Median



Retroreflective Signal Backplates



Lane Narrowing



26. SR 426, SR 417 to Aloma Woods Blvd

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	1 Bicyclist
1 Motorcyclist	0 Motorcyclist
0 Motorist	4 Motorist
6 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
53	Operating Speed
Features	Raised median, traffic signals, high-visibility crosswalks, sidewalks, bike lanes

Potential Solutions

Separated Bikeway

Segment Lighting

Retroreflective Signal Backplates

Reduced Left-Turn Conflict Intersection

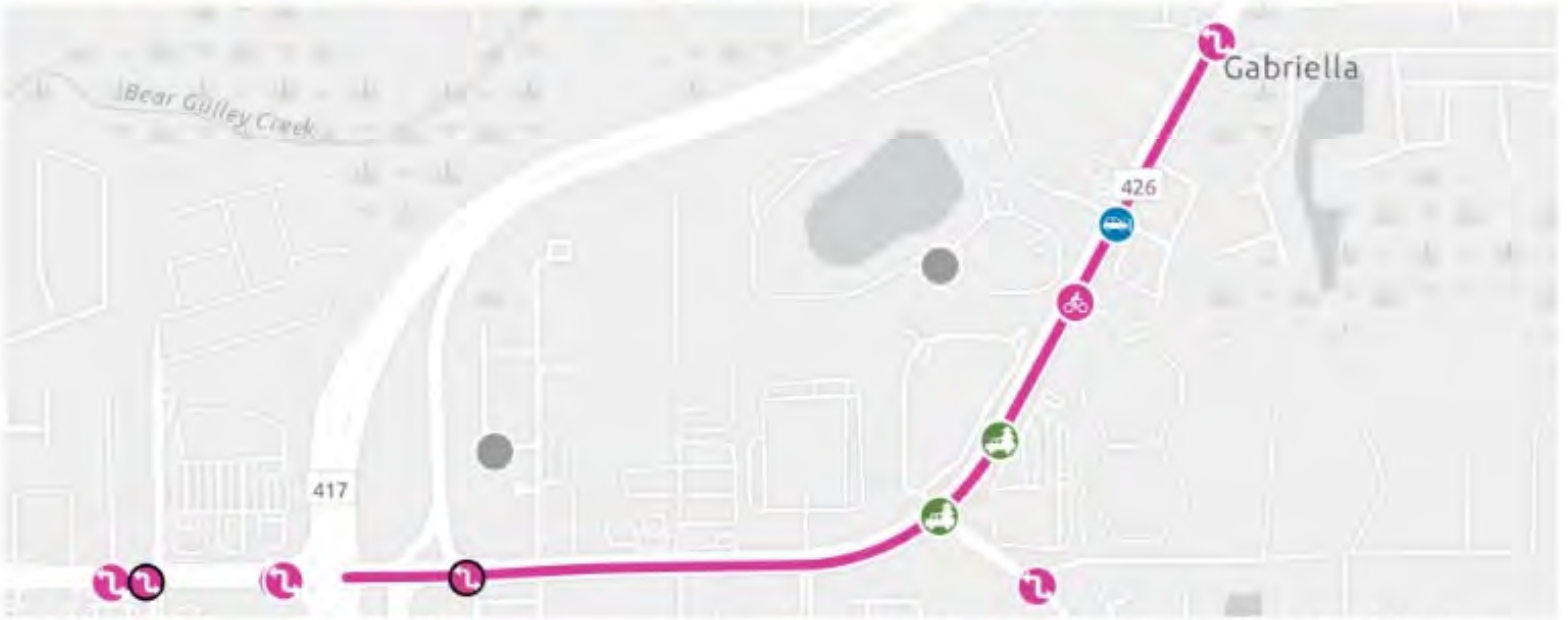
Speed Feedback Sign

Prohibit Right-Turn-On-Red

Curb Return Radius Reduction at Dean Road

Curb Extensions

1.12 Miles
Crash Score: 3,965
Jurisdiction: State



CRASH MODE:

Pedestrian

Bicycle

Motorcycle

Motor Vehicle

FHWA PROVEN SAFETY COUNTERMEASURE

CRASH TYPE:

Angle

Head On

Left Turn

Rear End

Sideswipe

Rollover

Off Road

Other

*Deaths shown with icon outlined in black

Death

Bus Stops

27. SR 46, Oregon St to Central Park Dr

Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	1 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	1 Motorcyclist
0 Motorist	8 Motorist
10 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
59	Operating Speed
Features	Medians, Traffic Signals, High-visibility crosswalks, sidewalks, channelized left turns, bike lanes

Potential Solutions



Segment Lighting



Close Driveways



Appropriate Speed Limits



Extend Yellow and All Red Time



Speed Feedback Sign



Shared-Use Path

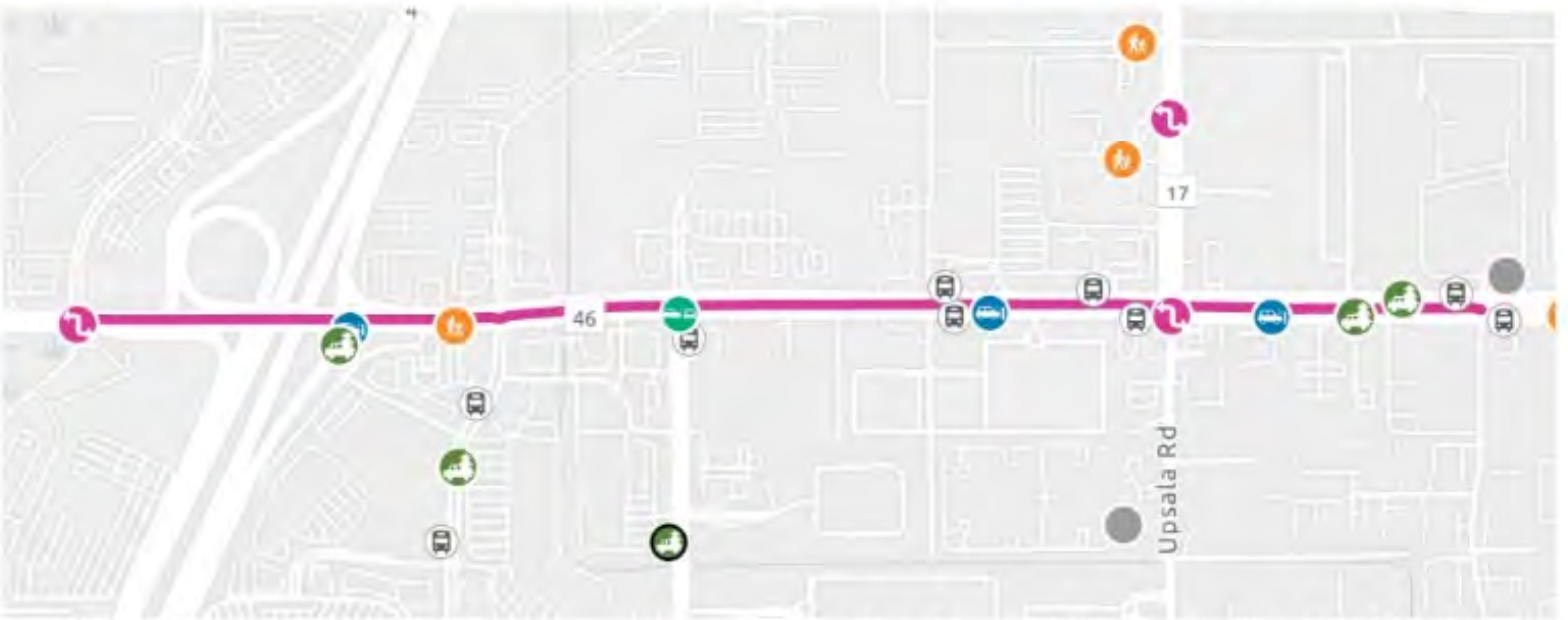


Lane Narrowing



Co-Locate Bus Stops and Pedestrian Crossings

1.46 Miles
Crash Score: 6,243
Jurisdiction: State



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

*Deaths shown with icon outlined in black

- Sideswipe
- Rollover
- Off Road
- Other

Death

Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

28. SR 46, Mellonville Ave to Hellcat Ln

Crash History (2018 - 22)

Deadly	Serious Injury
1 Pedestrian	0 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	1 Motorcyclist
0 Motorist	3 Motorist
5 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
60	Operating Speed
Features	Raised median, sidewalks, bike lanes, channelized left turn

Potential Solutions



Separated Bikeway



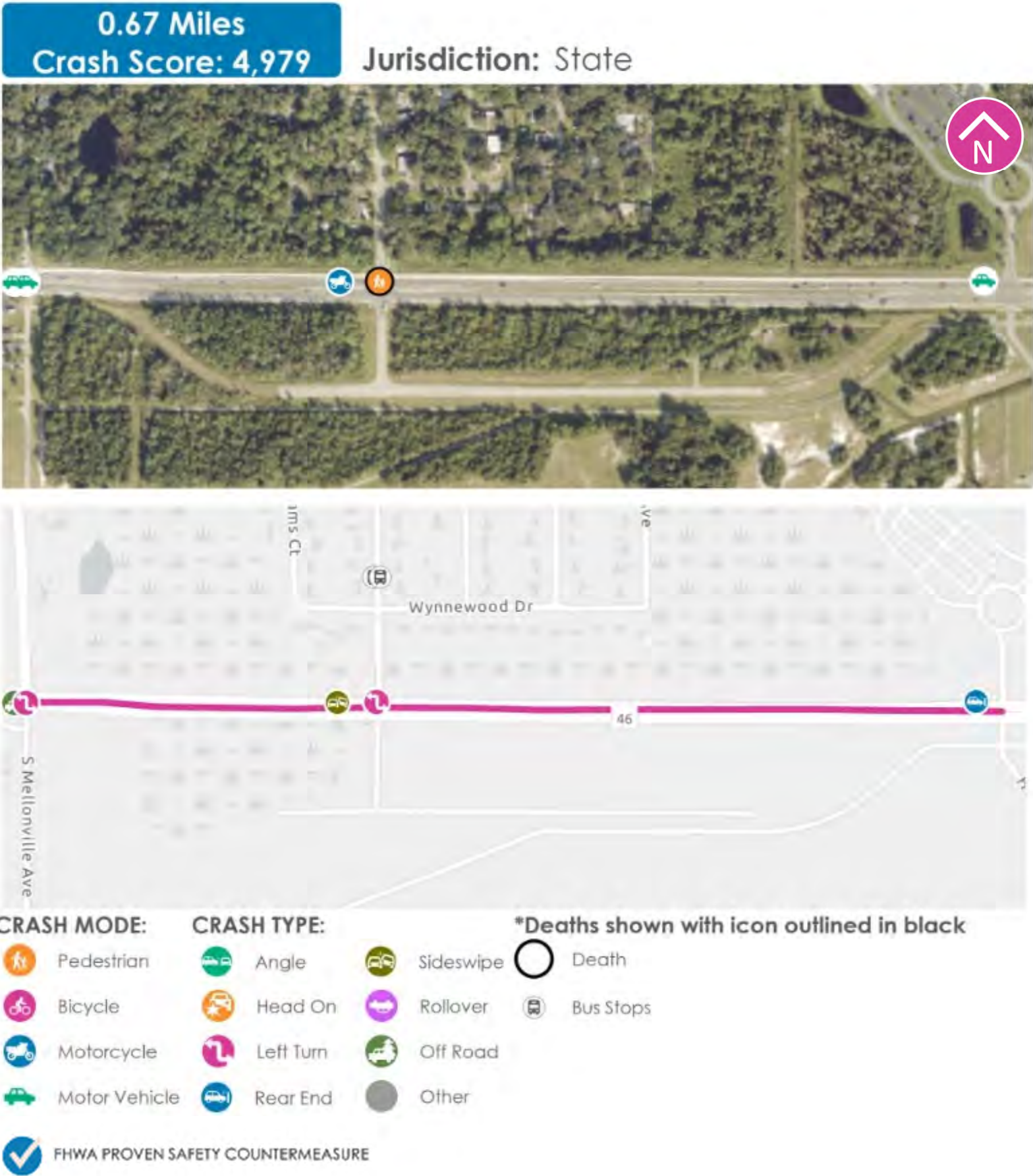
Shared-Use Path



Speed Feedback Sign



Traffic Signal, Summerlin Ave



29. SR 426, Tuskawilla Rd to Old Howell Branch Rd


Crash History (2018 - 22)

Deadly	Serious Injury
0 Pedestrian	0 Pedestrian
0 Bicyclist	3 Bicyclist
0 Motorcyclist	2 Motorcyclist
0 Motorist	2 Motorist
7 Total KSI	


Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
53	Operating Speed
Features	Raised median, traffic signals, high-visibility crosswalks, sidewalks, bike lanes, Cross Seminole Trail and Cady Way Trail


Potential Solutions




Refuge Island at Tuskawilla Rd




Separated Bikeway




Segment Lighting




Leading Pedestrian Interval and Pedestrian Recall



Green Conflict Striping



Speed Feedback Sign



Curb Return Radius Reduction at Howell Branch Rd to support trail crossing

1.16 Miles
Crash Score: 6,004
Jurisdiction: State



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

*Deaths shown with icon outlined in black

- Sideswipe
- Rollover
- Off Road
- Other

Death

Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE

30. SR 434, Lake Rena Dr to Spring Centre South Blvd

Crash History (2018 - 22)

Deadly	Serious Injury
2 Pedestrian	3 Pedestrian
0 Bicyclist	0 Bicyclist
0 Motorcyclist	0 Motorcyclist
2 Motorist	4 Motorist
11 Total KSI	

Existing Conditions

C3C	Context Classification
45	Posted Speed Limit
52	Operating Speed
Features	Sidewalks, Painted Medians, Raised medians, Traffic Signals, Bicycle Lane, High Visibility Crosswalks

Potential Solutions



Segment Lighting



Leading Pedestrian Interval and Pedestrian Recall



Separated Bikeway



Refuge Island at Wekiva Springs Ln & Springs Blvd



Close Driveway (7-11 at Wekiva Springs Ln)



Lane Narrowing



Speed Feedback Sign



Curb Return Radius Reduction

1.46 Miles
Crash Score: 6,776
Jurisdiction: State



CRASH MODE:

- Pedestrian
- Bicycle
- Motorcycle
- Motor Vehicle

CRASH TYPE:

- Angle
- Head On
- Left Turn
- Rear End

*Deaths shown with icon outlined in black

- Sideswipe
- Rollover
- Off Road
- Other

Death

Bus Stops

FHWA PROVEN SAFETY COUNTERMEASURE