OVERVIEW

The SC Department of Transportation (SCDOT) is undertaking the US 278 Gateway Corridor project to address roadway issues along US 278 from the intersection of Moss Creek Drive to the intersection of Spanish Wells Road.

Working with the SCDOT, the Town of Hilton Head Island and local design and transportation consultants are using **local knowledge** to create **community-based solutions** to **enhance** SCDOT's preferred alternative.

GATEWAY CORRIDOR COMMITTEE GUIDING PRINCIPLES

The Hilton Head Island US 278 Gateway Corridor Committee was formed to work cooperatively with the SCDOT to gather information, obtain and provide citizen input into the EA process, and make recommendations to Town Council regarding the US 278 Environmental Assessment and Design Alternatives.

1

Fix transportation & safety issues for residents, workers, and visitors.

2

Improve quality of life for those directly impacted by the project.

3

Create a gateway to Hilton Head Island that reflects our high quality brand.

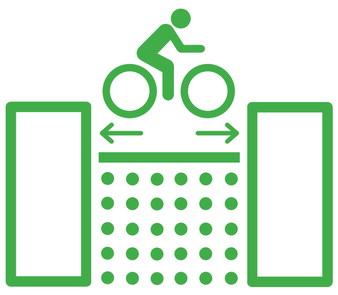
CREATE A PARKWAY NOT A HIGHWAY

As the only access point onto Hilton Head Island, the Corridor is the most visible and important gateway on the island. As such it should be considered more than a highway, but a parkway that is reflective of the unique Hilton Head Island identity.

	HIGHWAY	PARKWAY
Fix Transportation & Safety Issues	✓	✓
Improve Quality of Life	✗	✓
Create a Gateway	✗	✓

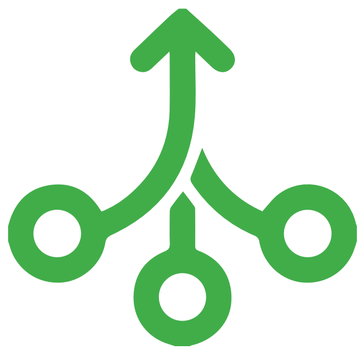
KEY PROJECT ENHANCEMENTS

Create a memorable gateway experience to and from Hilton Head Island for residents and visitors alike.

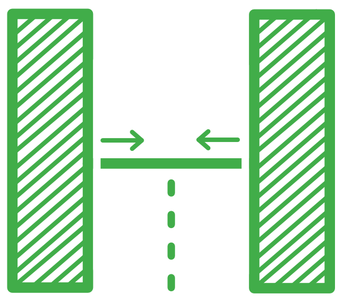


Widen and improve multi-use trail on bridge for safer and more comfortable use.

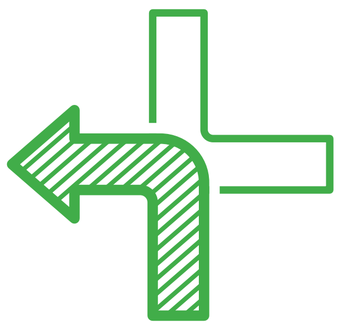
Create a long-term vision for **bicycle and pedestrian trail connections.**



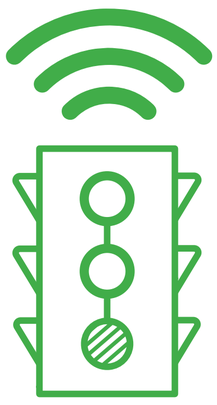
Consolidate Jenkins Island access and modify with a new signal at Crosstree/C Heinrich Circle.



Reduce lane widths from 12 feet to 11 feet in Stoney to minimize property impacts and calm traffic.

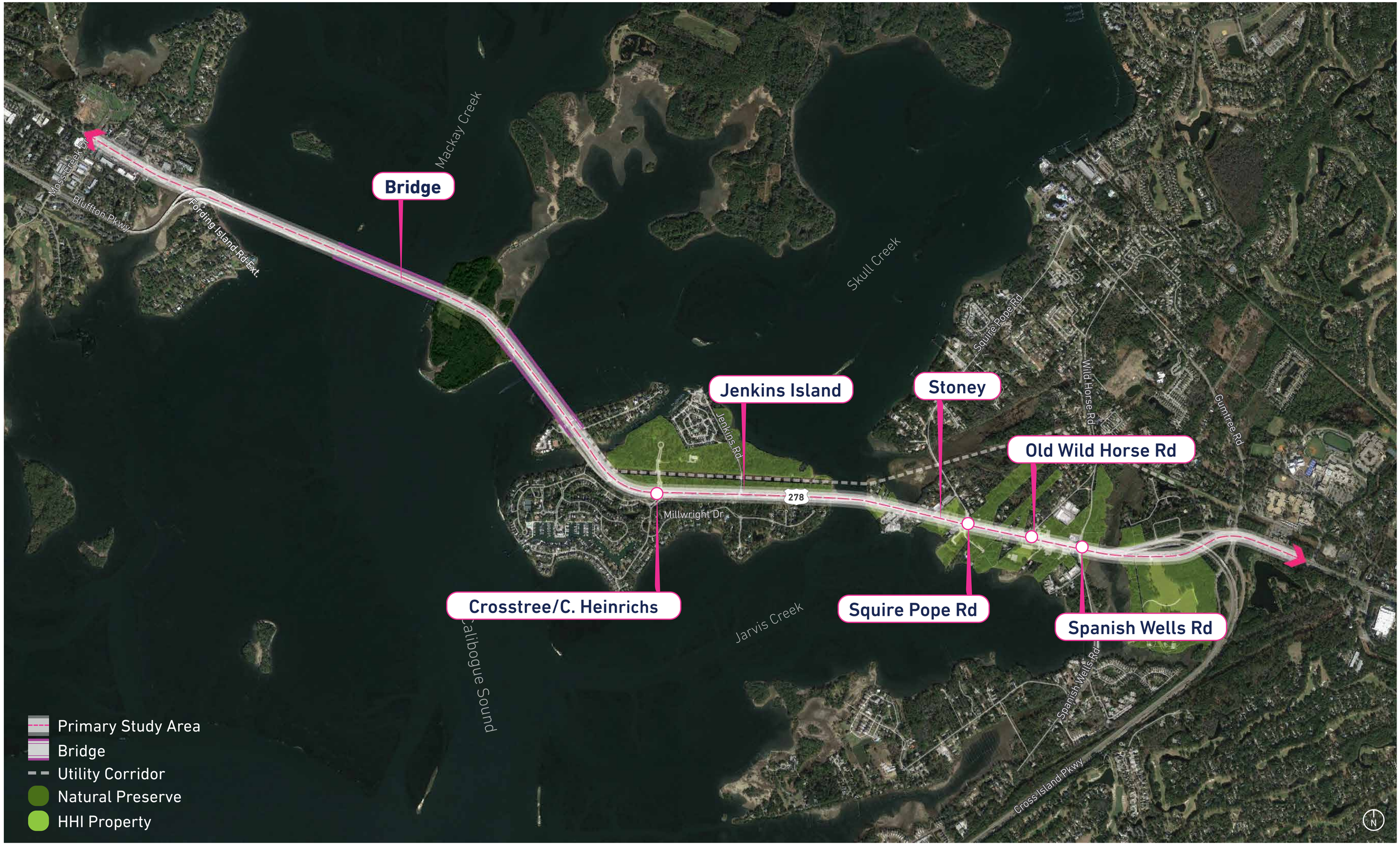


Modify SCDOT intersection plans at Squire Pope and Spanish Wells to **maintain improved left turns.**



Use smart technology at all intersection signals to regularly adjust timing for improved traffic flow.

SHAPING THE PARKWAY



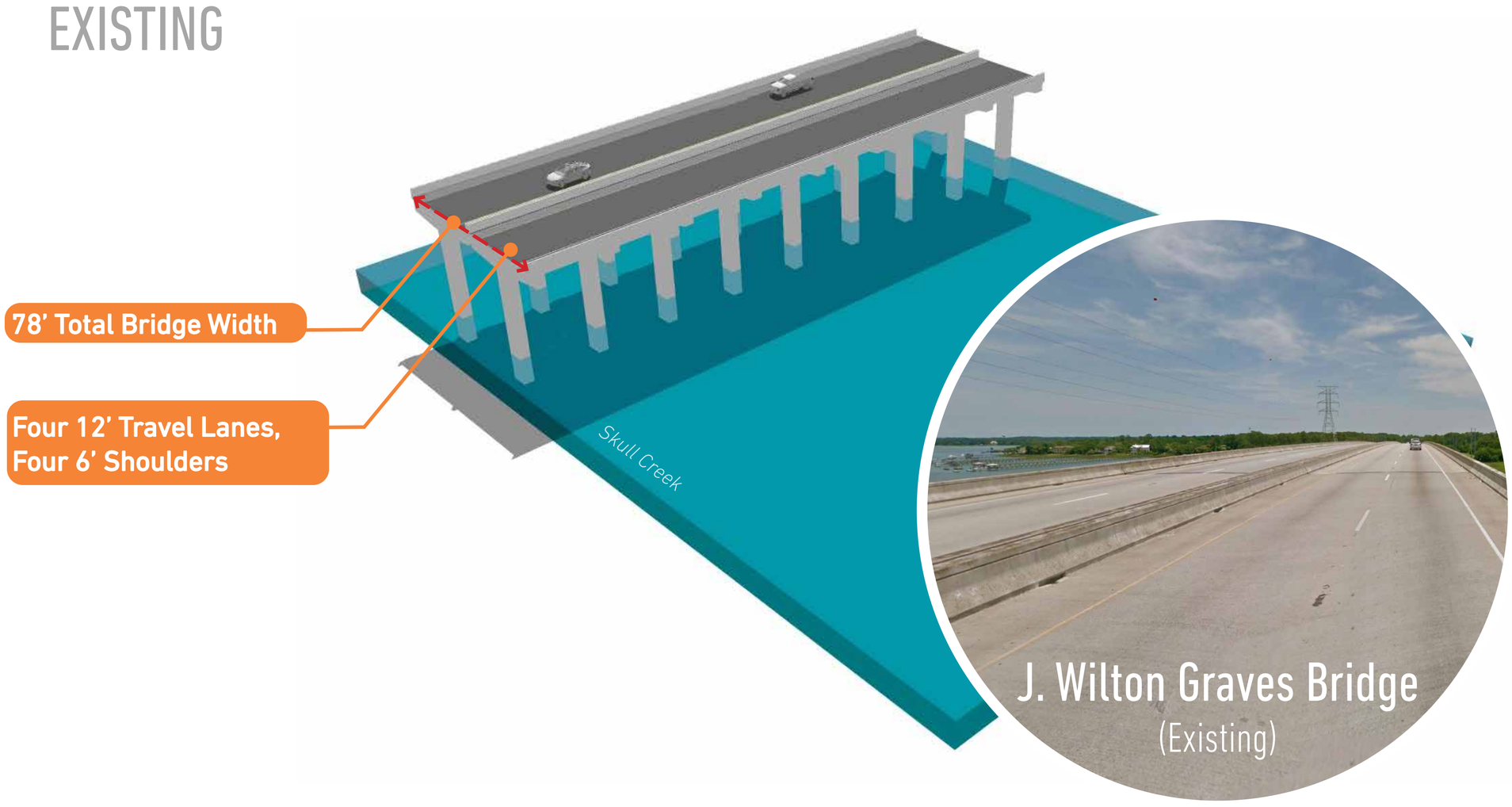
SHAPING THE PARKWAY

SHAPING THE PARKWAY

SHAPING THE PARKWAY WILLIAM HILTON PARKWAY

TYPICAL BRIDGE SECTION

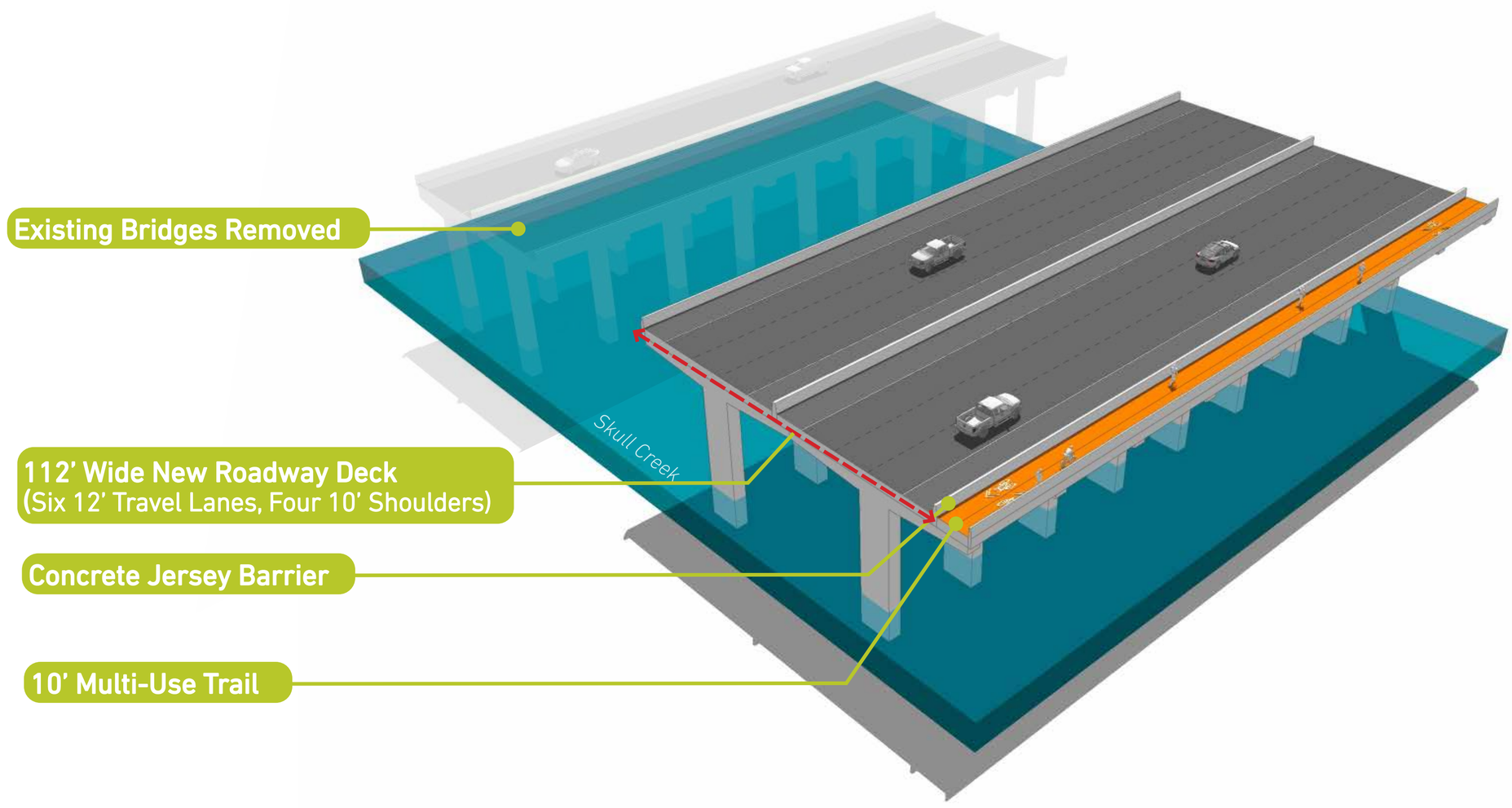
EXISTING



CHALLENGES

- Deficient bridge structure
- No pedestrian or bicycle options
- Narrow bridge shoulders/ break down lanes

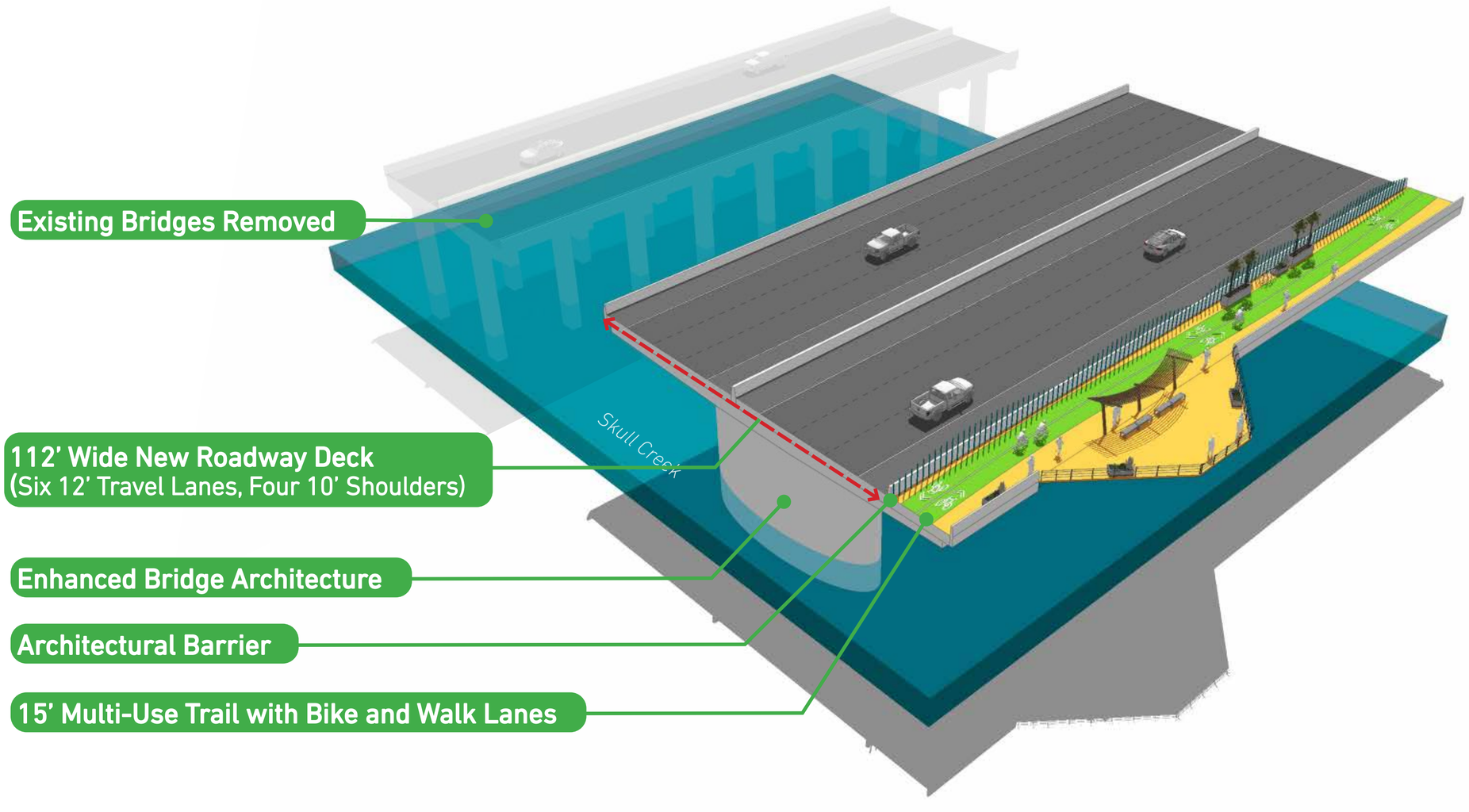
SCDOT ALTERNATIVE



OPPORTUNITIES FOR IMPROVEMENT

- Only concrete barrier between vehicular traffic and trail
- No pedestrian or bicycle rest areas

PRELIMINARY LOCAL CONCEPT

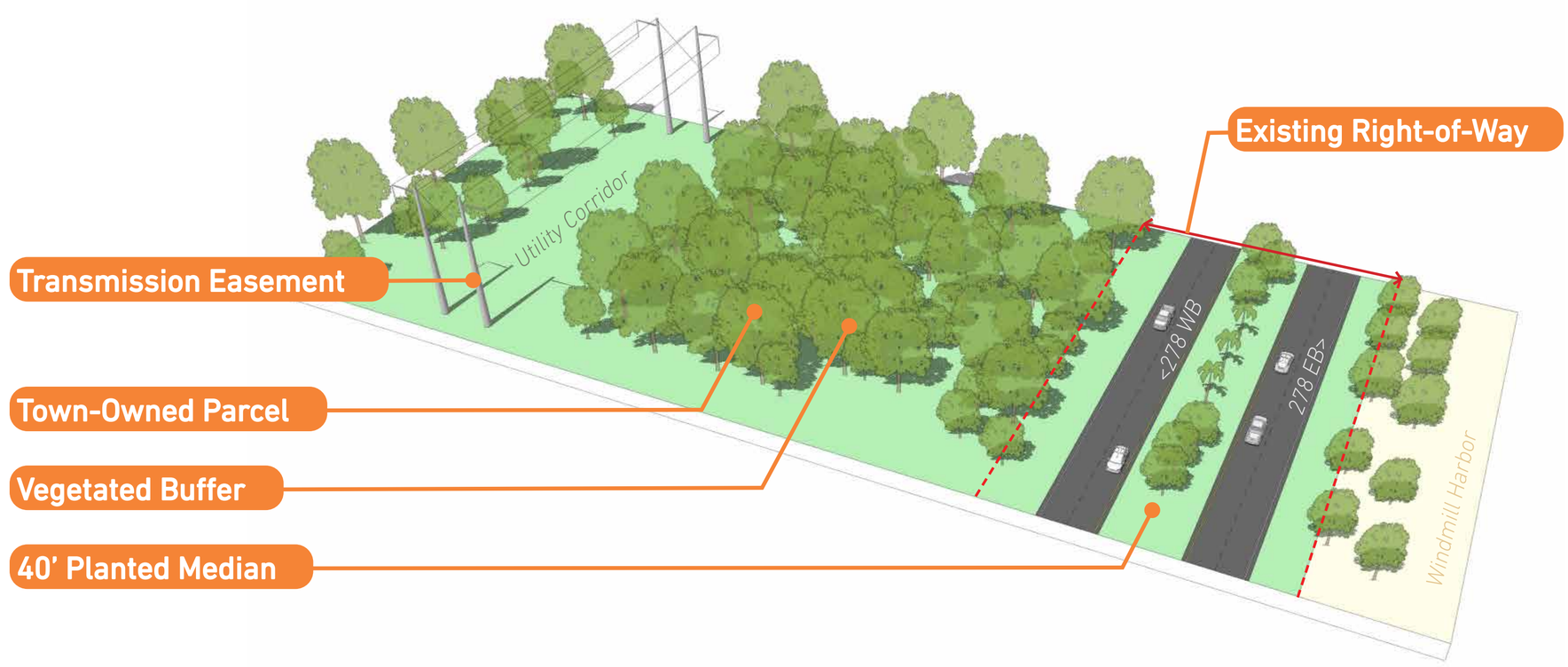


KEY ENHANCEMENTS

- Widen & Improve Multi-Use Trail on Bridge
- Improve Trail Connections to Mainland & Pinckney Island
- Explore Alternate Bridge Designs

TYPICAL JENKINS ISLAND SECTION

EXISTING



CHALLENGES

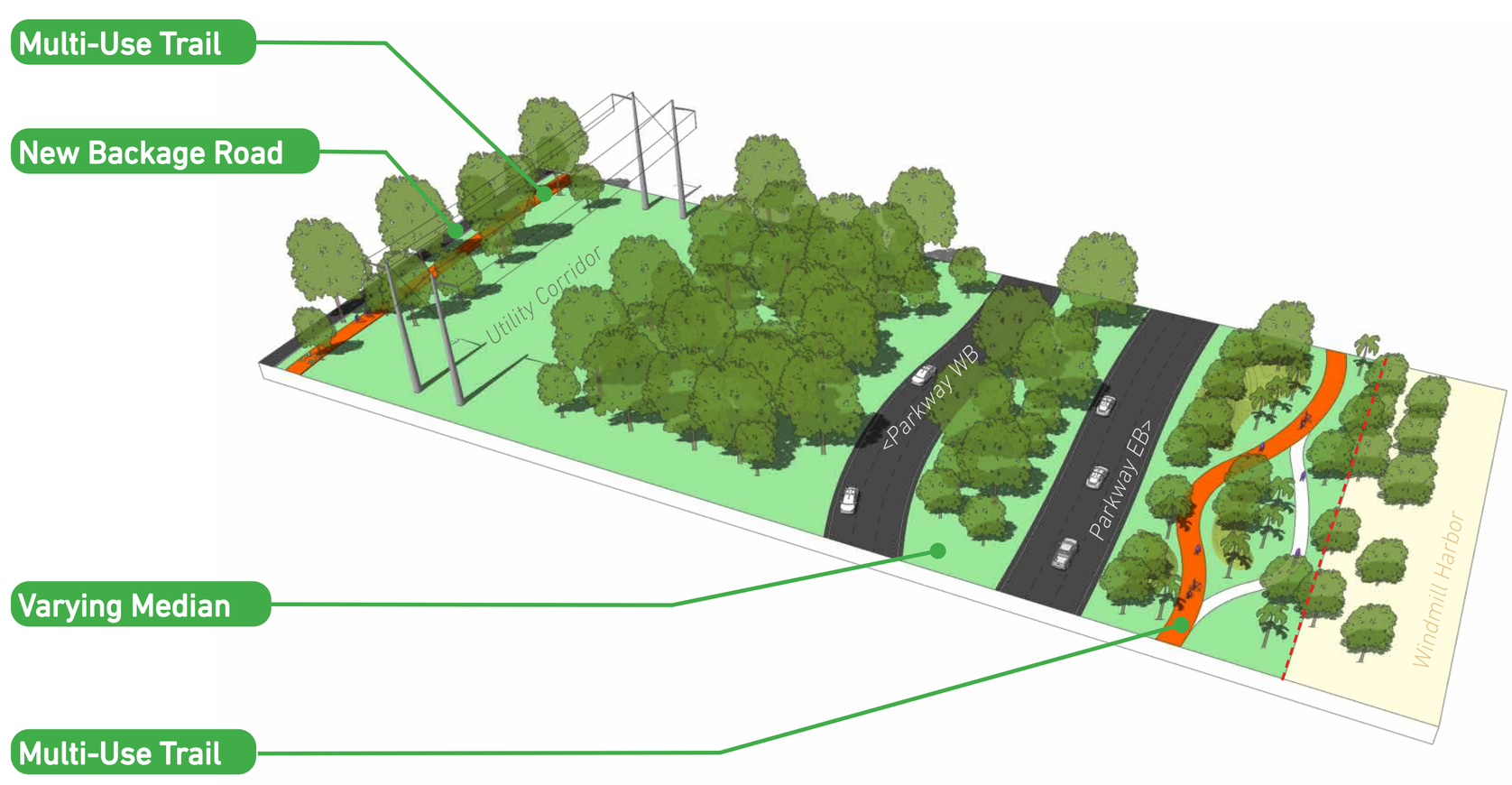
- No pedestrian or bicycle options
- Safety concerns for turns onto Jenkins Road

SCDOT ALTERNATIVE

OPPORTUNITIES FOR IMPROVEMENT

- Shrinks landscaped median by half
- High speed lanes close to Windmill Harbor homes
- Minimal buffer betwen multi-use trail and travel lanes

PRELIMINARY LOCAL CONCEPT



KEY ENHANCEMENTS

- Realign parkway north into town owned land to provide widened streetscape
- Undulate lanes and widen median to create parkway character
- Move trail into new frontage road ROW/ open space north of power easement

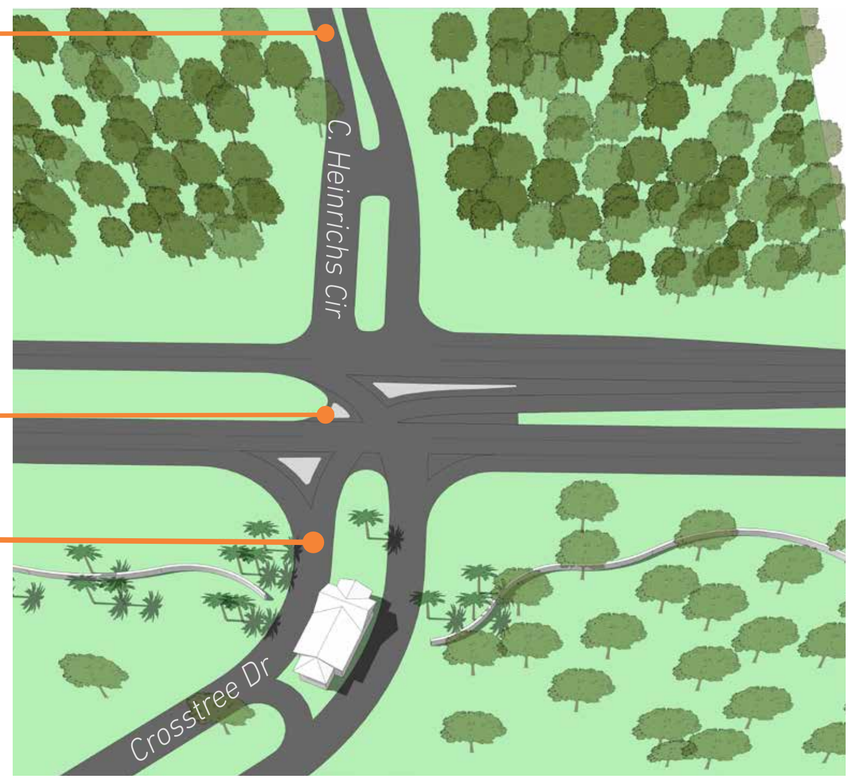
WINDMILL HARBOR INTERSECTION

EXISTING

Access Road

Unsignalized Intersection

Limited Que Length at Entry Gate



CHALLENGES

Safety concerns for turning vehicles

No pedestrian or bicycle options

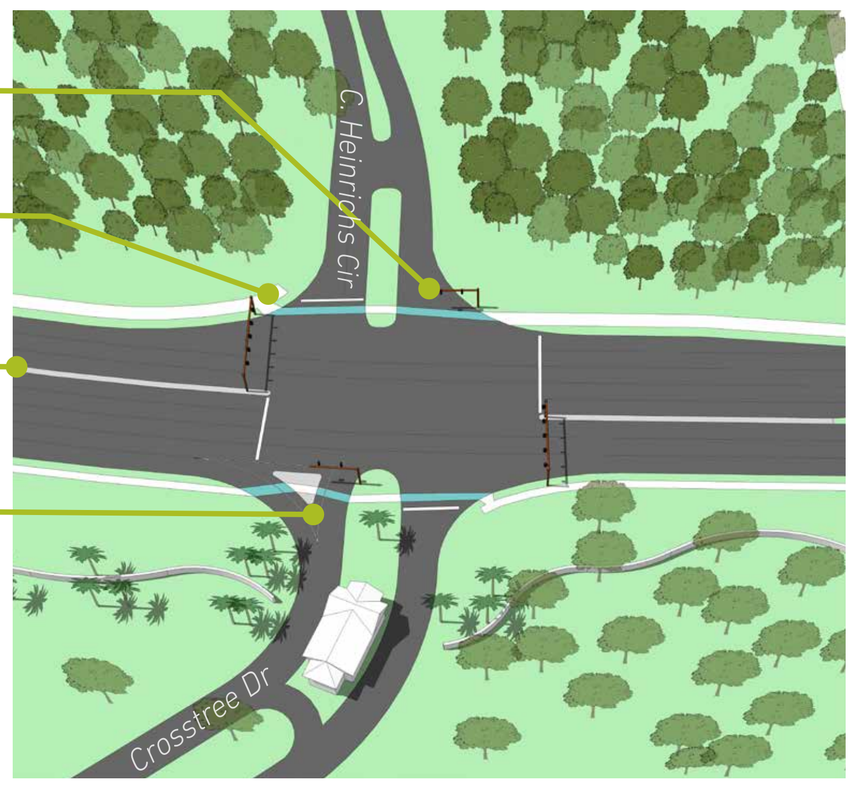
SCDOT ALTERNATIVE

New Signalized Intersection

Multi-Use Trail North of 278

No Median Treatment

Limited Que Length at Entry Gate



OPPORTUNITIES FOR IMPROVEMENT

Small buffer between sidewalk and high speed traffic

Intersection near turn coming off bridge

PRELIMINARY LOCAL CONCEPT

Consolidated access to north

Widened Median & Enhanced Landscape

Additional Stacking Length

Multi-Use Trail

KEY ENHANCEMENTS

Shift intersection north to smooth curve after bridge

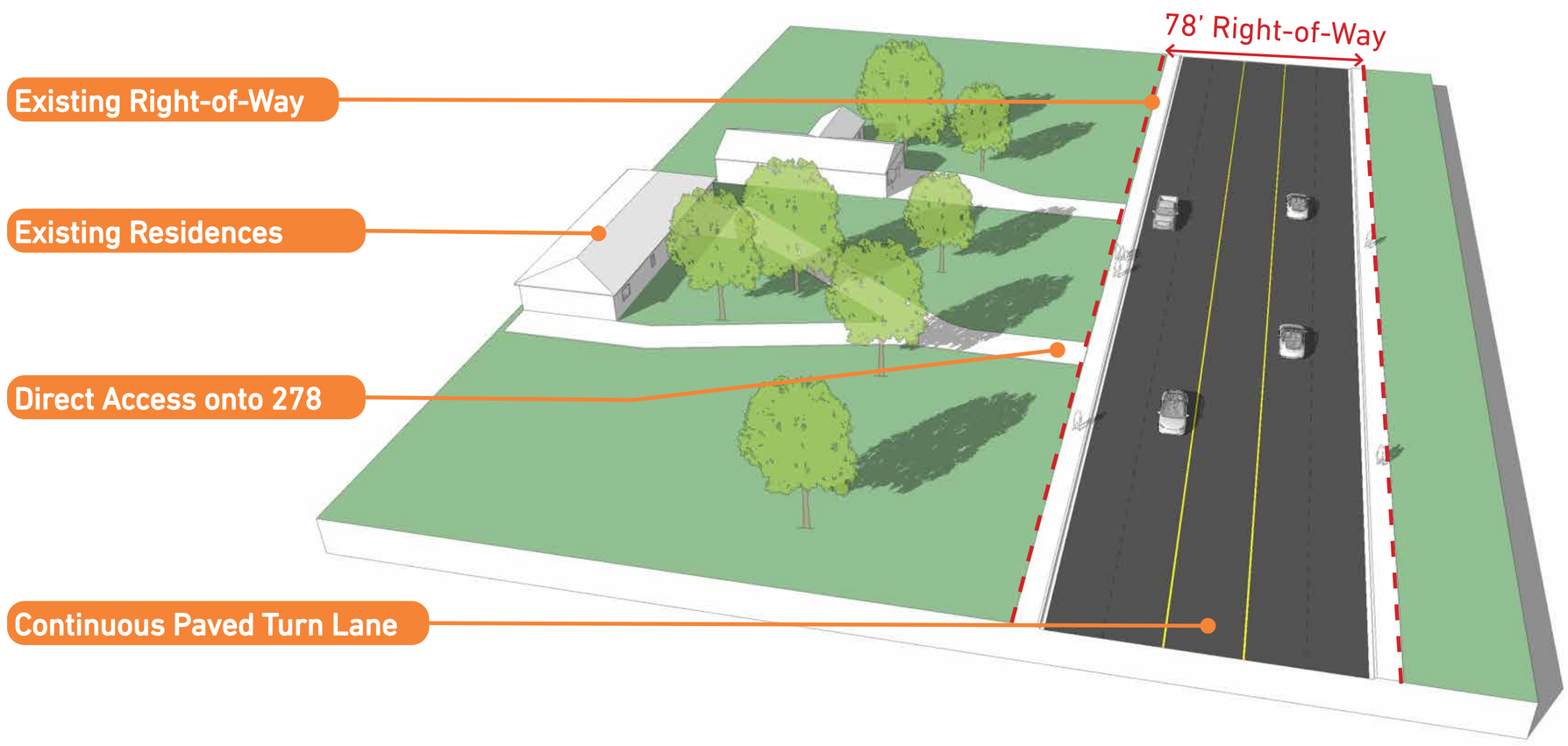
Widened and landscaped median

Provide buffer between multi-use trail & Parkway

SHAPING THE PARKWAY WILLIAM HILTON PARKWAY

TYPICAL STONEY SECTION

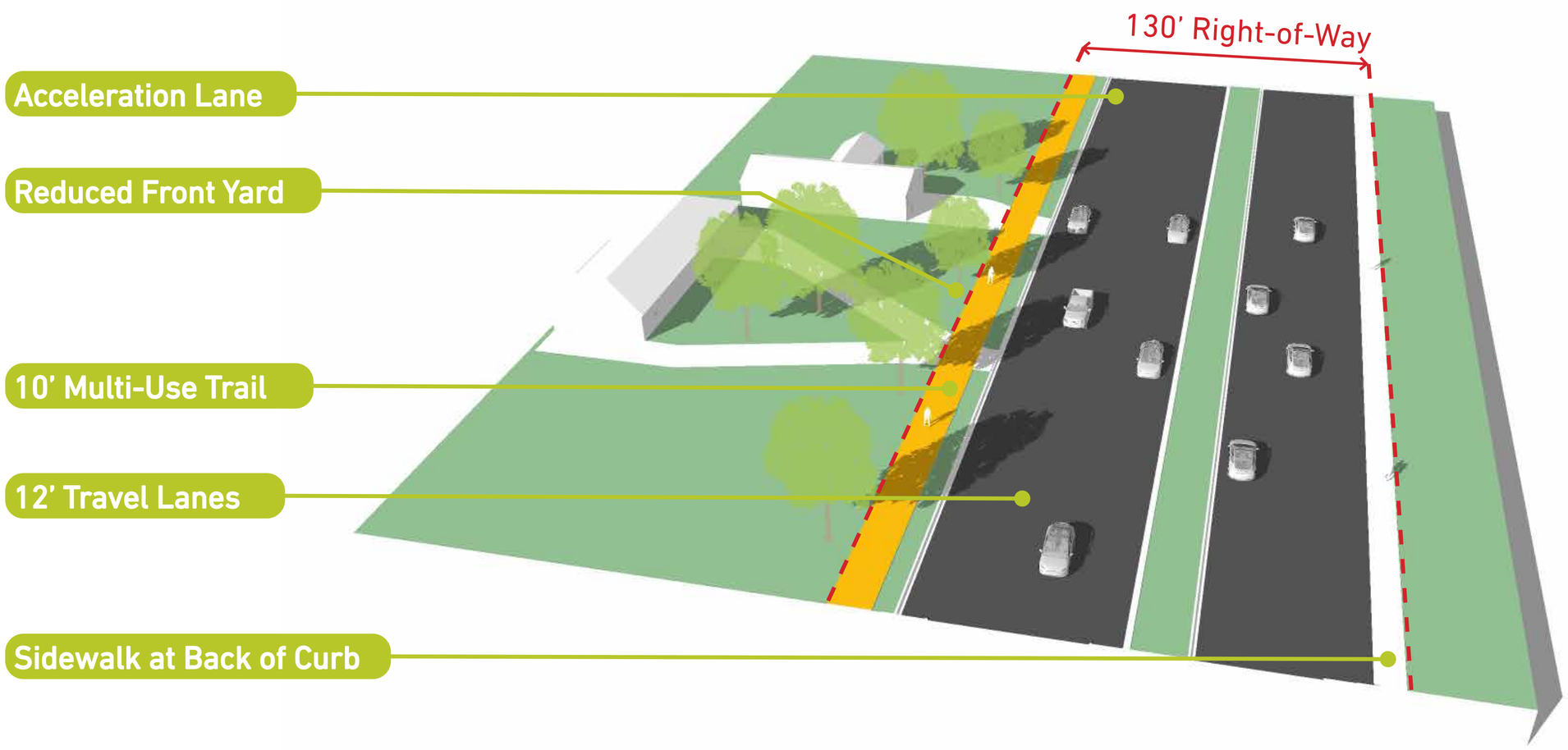
EXISTING



CHALLENGES

- Lack of planted median & roadway character
- Direct driveway curb-cuts onto 278
- No buffer between sidewalk and high speed traffic

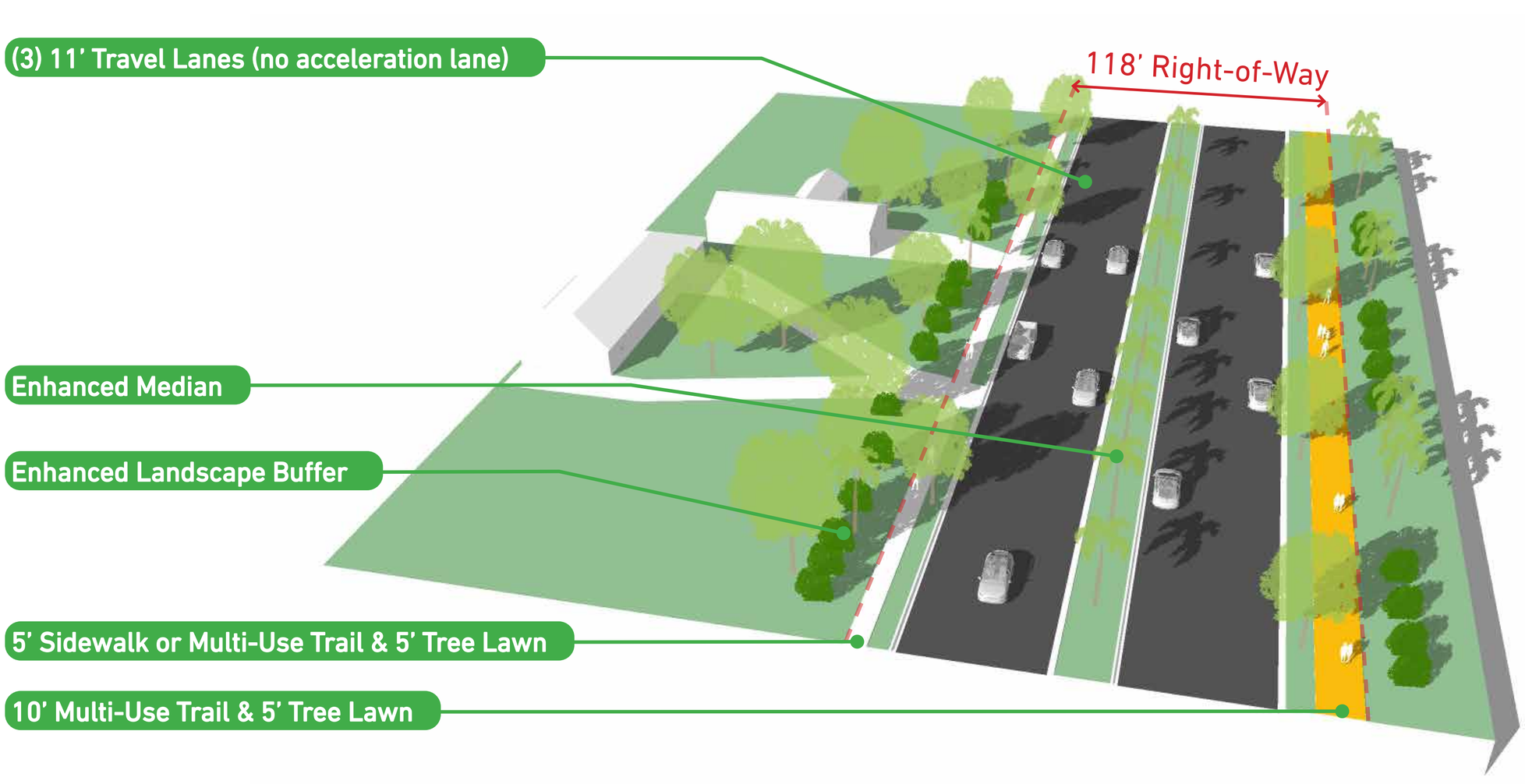
SCDOT ALTERNATIVE



OPPORTUNITIES FOR IMPROVEMENT

- No buffer between sidewalk and high speed traffic
- Oversized 12-foot lanes impacting adjacent properties
- Oversized acceleration lane impacting adjacent properties

PRELIMINARY LOCAL CONCEPT



KEY ENHANCEMENTS

- Use 11-foot lanes to minimize property impacts & calm traffic
- Increase buffer zone between sidewalk and roadway
- Improve landscape screening

SQUIRE POPE INTERSECTION

EXISTING

Right-In/Right-Out at Old Wild Horse

On-Island to Squire Pope

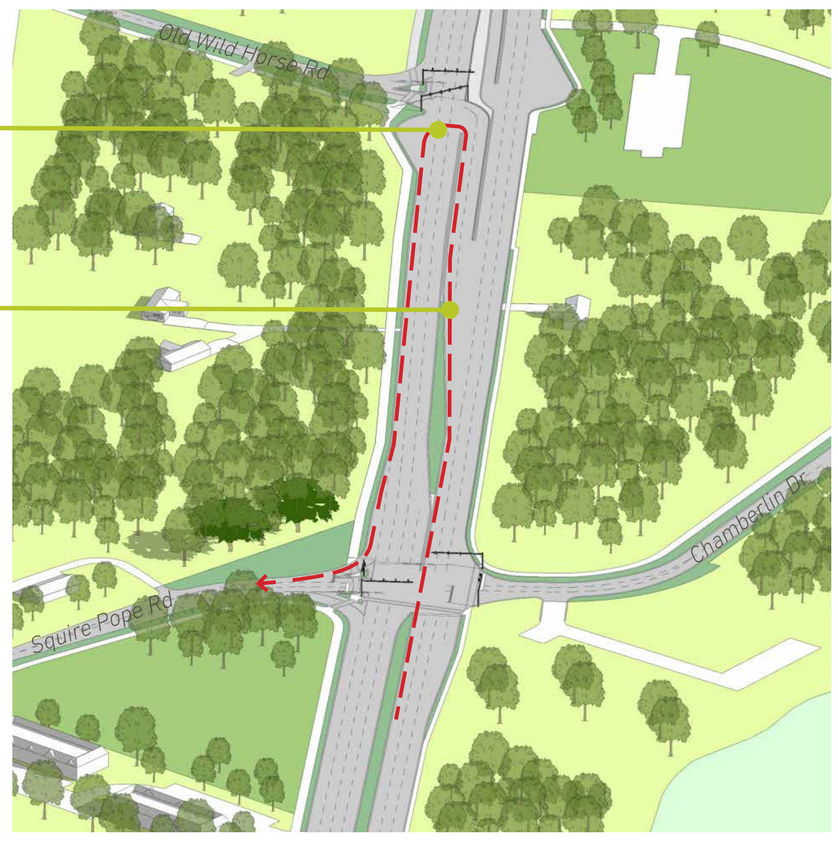
CHALLENGES

- Limited queuing for left turns to to Squire Pope
- Limited queuing for right turns from Squire Pope

SCDOT ALTERNATIVE

U-Turn at Old Wild Horse

On-Island to Squire Pope



OPPORTUNITIES FOR IMPROVEMENT

- Prohibited left turns to Squire Pope
- Non-traditional intersection requiring U-turn to turn left

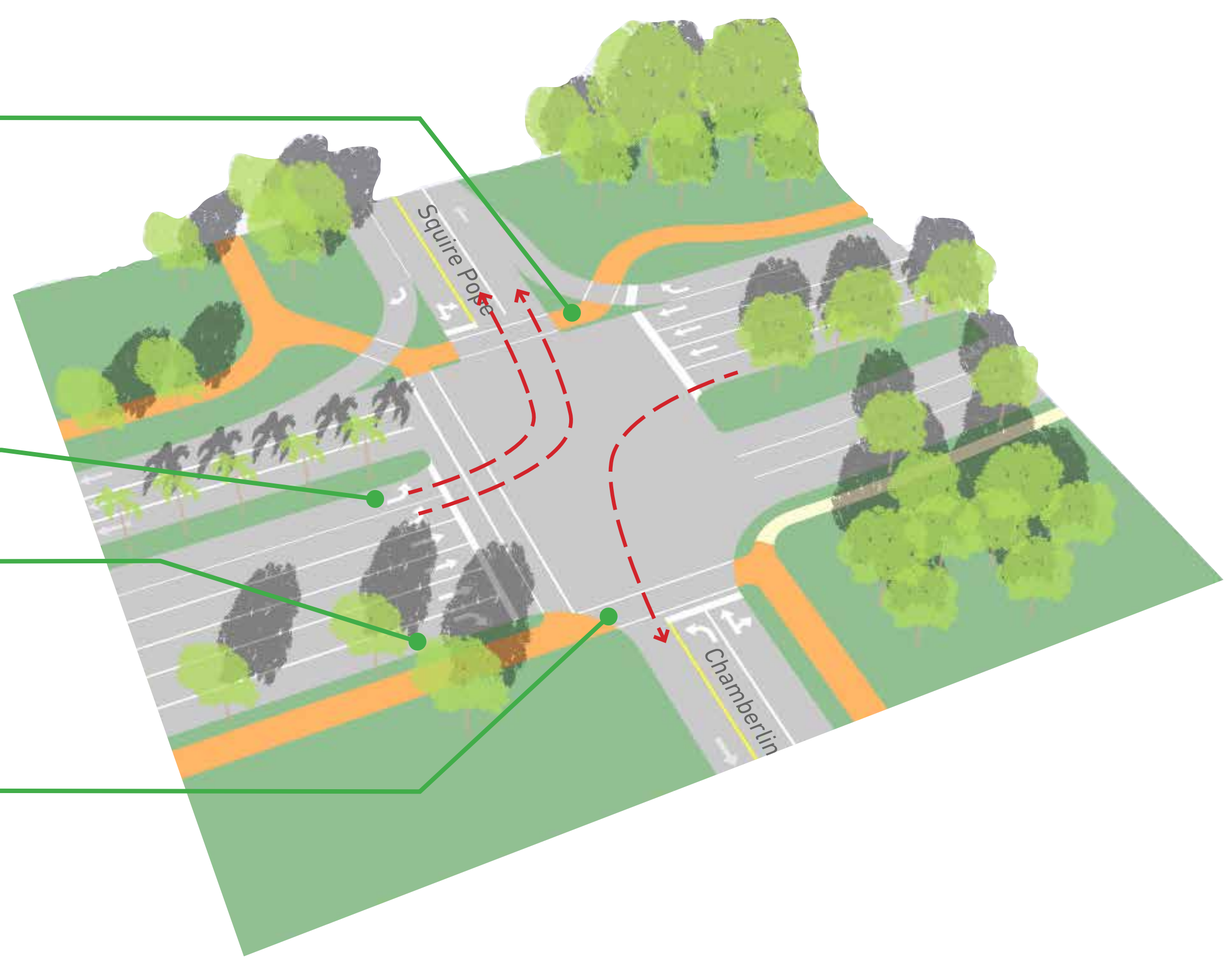
PRELIMINARY LOCAL CONCEPT

Multi-Use Trail Crossing

Left Turn Lane

Right Turn Lane

Multi-Use Trail Crossing

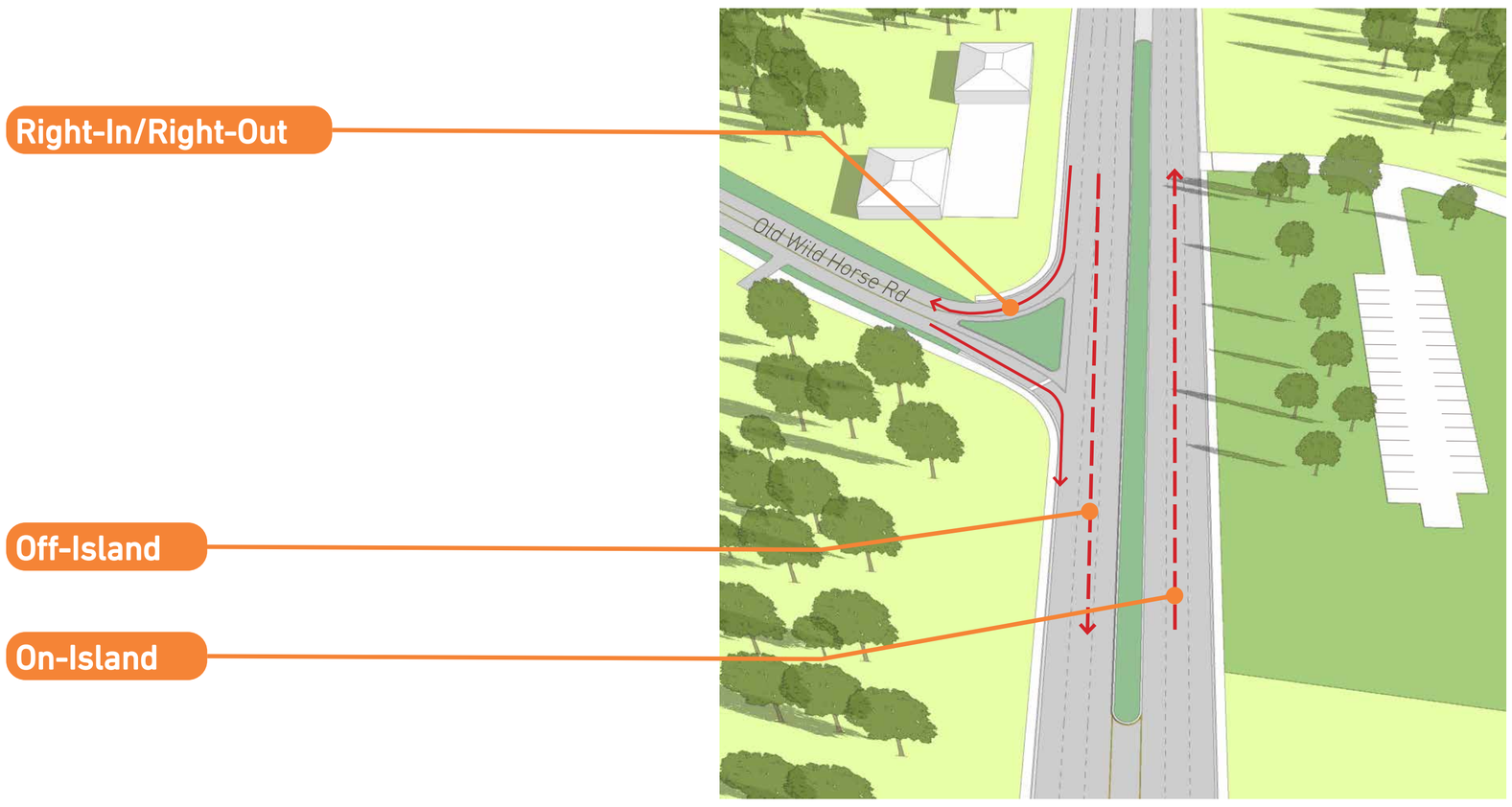


KEY ENHANCEMENTS

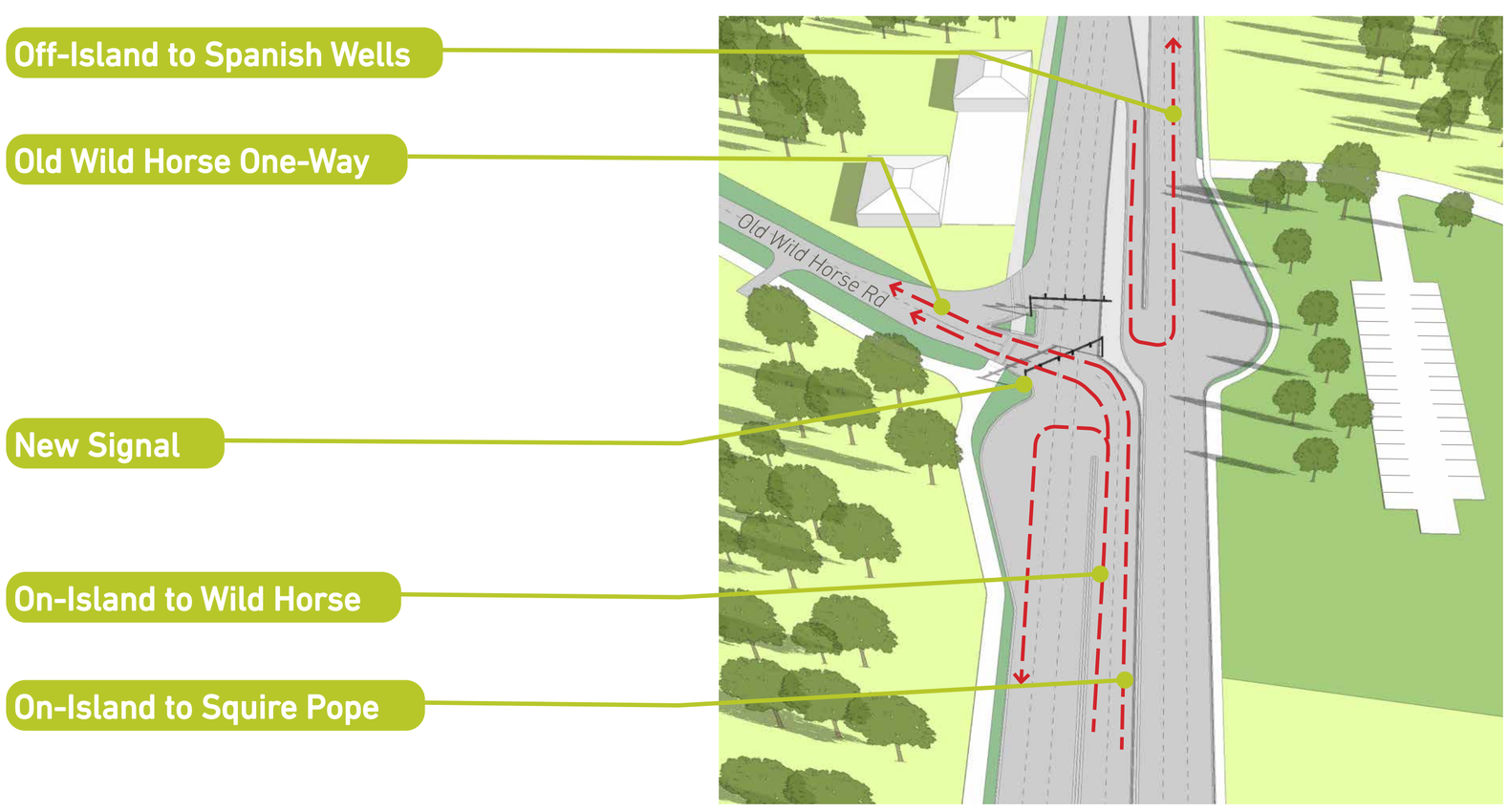
- Allow left turns to Squire Pope
- Improve median treatment with landscaping
- Move trail along Squire Pope to Town owned land

OLD WILD HORSE INTERSECTION

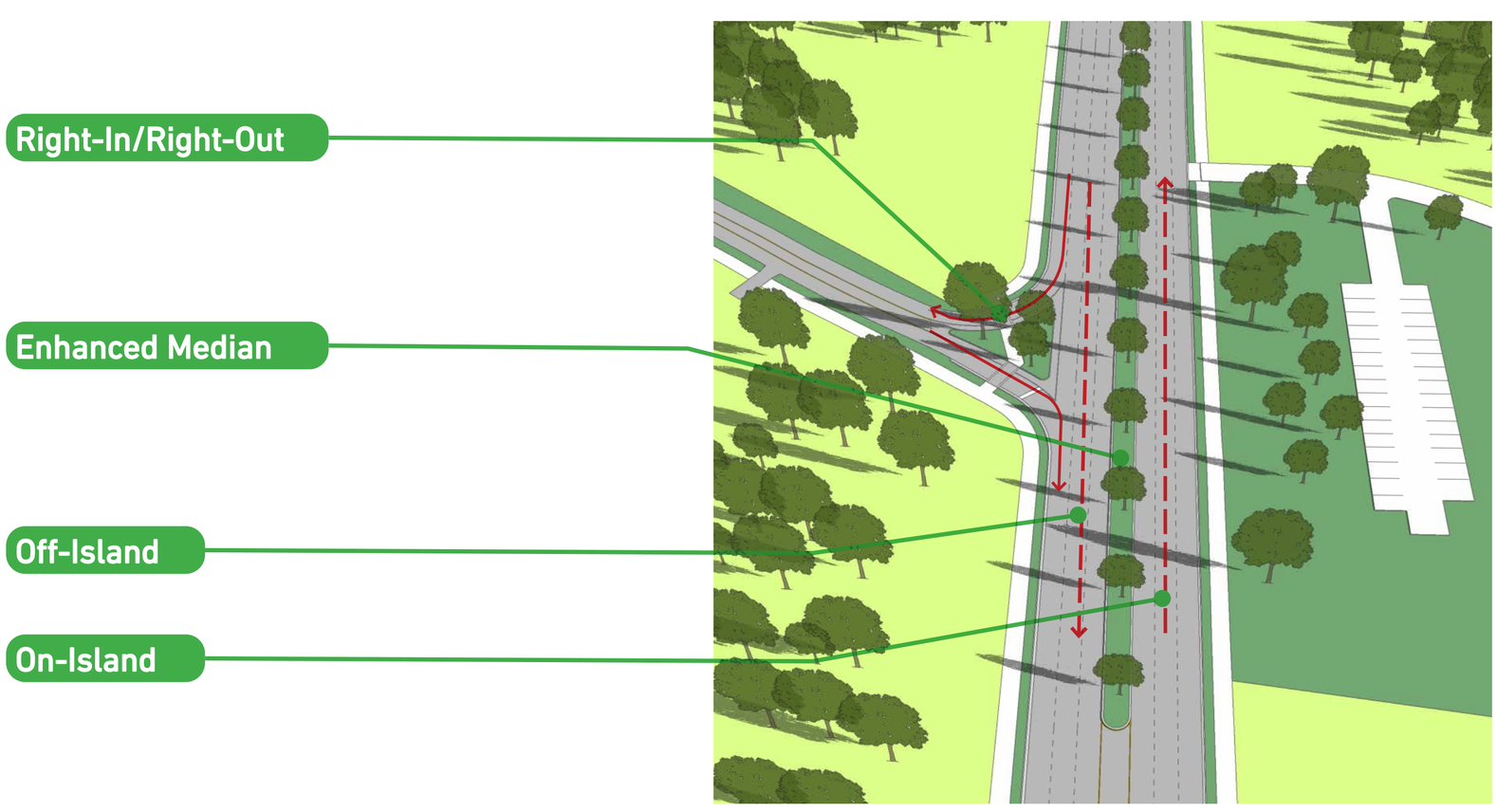
EXISTING



SCDOT ALTERNATIVE



PRELIMINARY LOCAL CONCEPT



CHALLENGES

- No landscape buffer between travel lanes and sidewalks
- Existing development close to roadway

OPPORTUNITIES FOR IMPROVEMENT

- Adding new traffic signal close to two existing signals
- Diverting traffic to Old Wild Horse from 278
- Converting Old Wild Horse to a one-way road

KEY ENHANCEMENTS

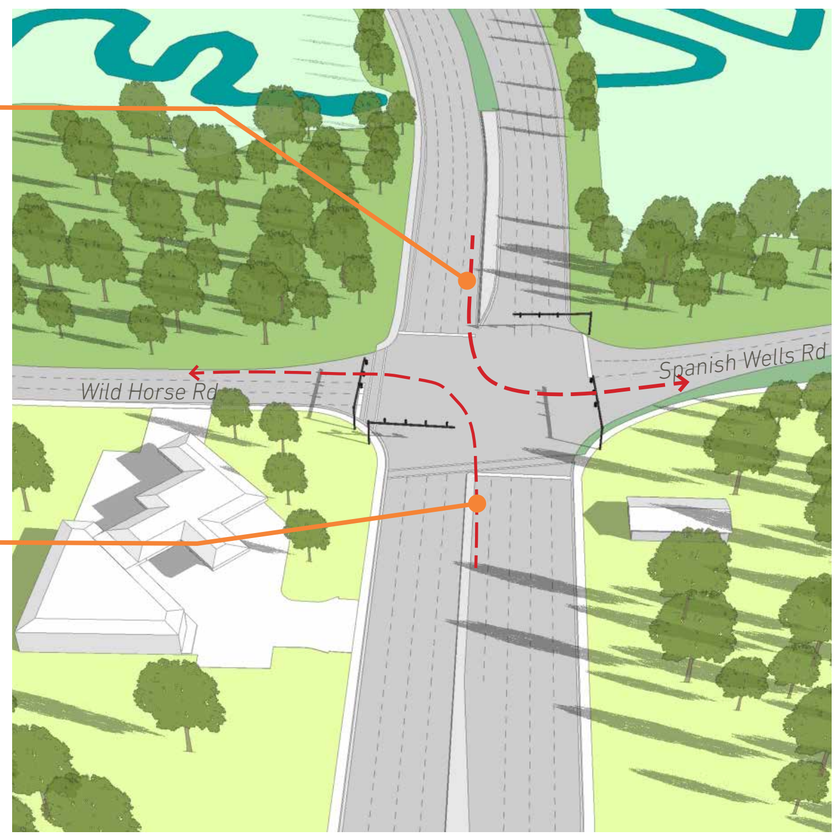
- No new traffic signal, maintain existing layout
- Maintain Old Wild Horse as a two-way neighborhood road
- Do not divert 278 traffic to Old Wild Horse

SPANISH WELLS/WILD HORSE INTERSECTION

EXISTING

Off-Island to Spanish Wells

On-Island to Wild Horse



CHALLENGES

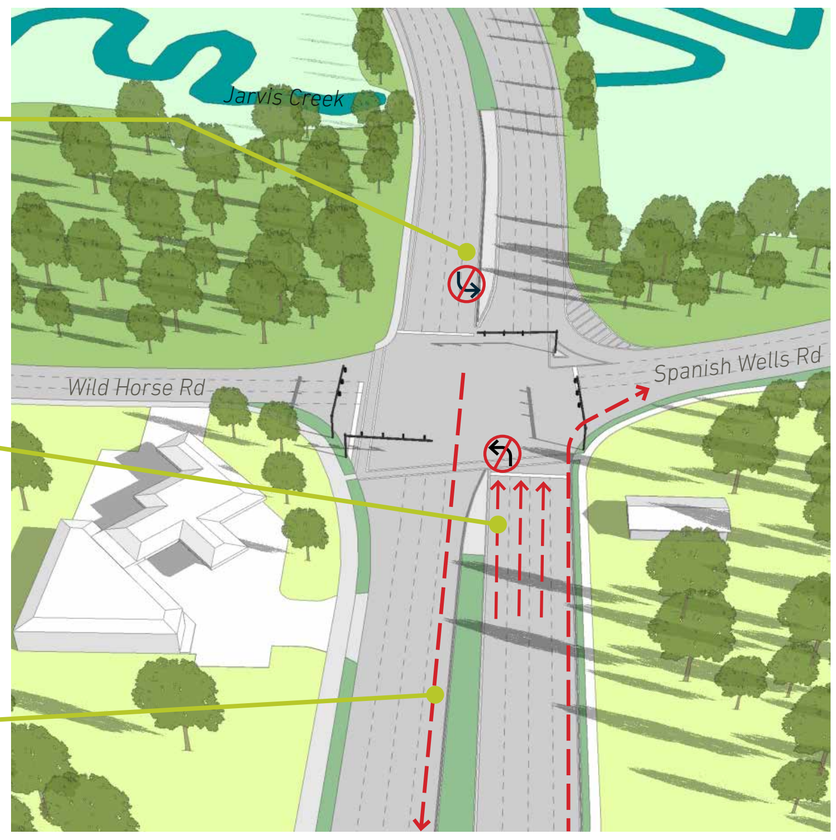
- No landscape buffer between travel lanes and sidewalks
- Peak hour backups on Spanish Wells

SCDOT ALTERNATIVE

No Left Turn

No Left Turn, On-Island to Wild Horse via Old Wild Horse

Off-Island to Spanish Wells U-Turn at Old Wild Horse



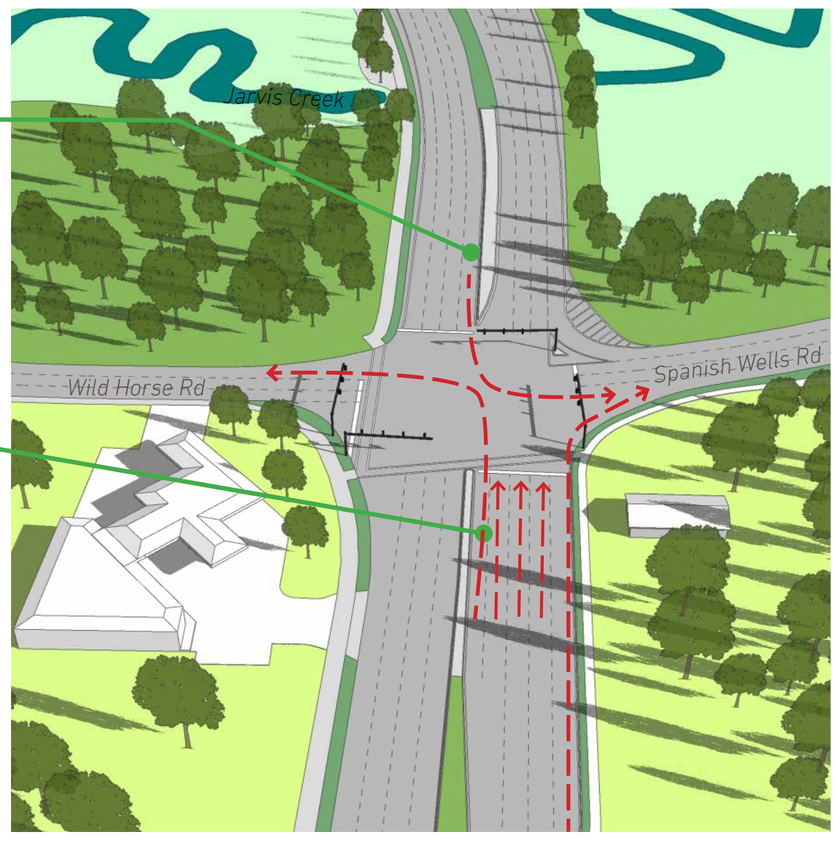
OPPORTUNITIES FOR IMPROVEMENT

- Prohibited left turns to Wild Horse and Spanish Wells

PRELIMINARY LOCAL CONCEPT

Off-Island to Spanish Wells

On-Island to Wild Horse



KEY ENHANCEMENTS

- Allow left turns to Wild Horse and Spanish Wells
- Create multi-use trail connection to Coastal Discovery Museum