



Florida Department of Transportation

# COVE ROAD

From State Road (SR) 76/Kanner Highway  
to SR 5/US-1  
Martin County, Florida

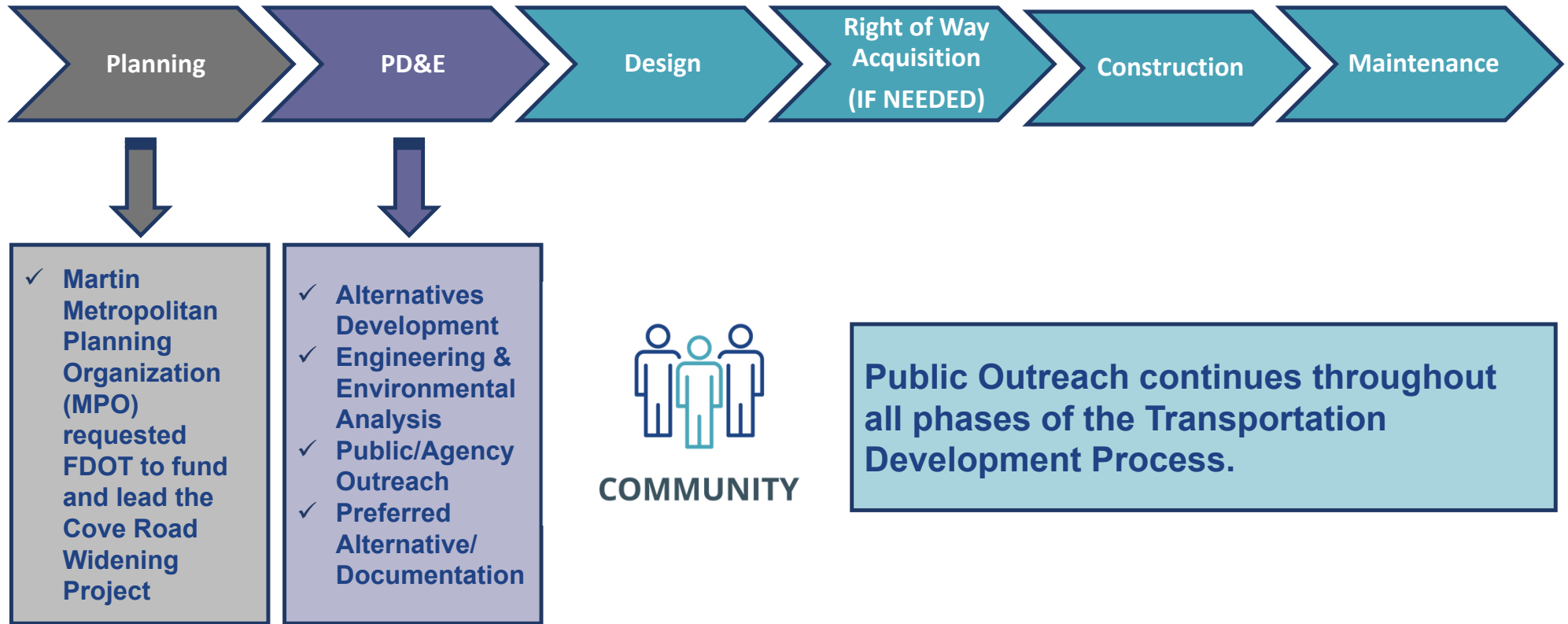
## PROJECT DEVELOPMENT AND ENVIRONMENT (PD&E) STUDY

Financial Project Identification Number: 441700-1

Efficient Transportation Decision Making (ETDM) Number: 14479



# Transportation Development Process



# COVE ROAD

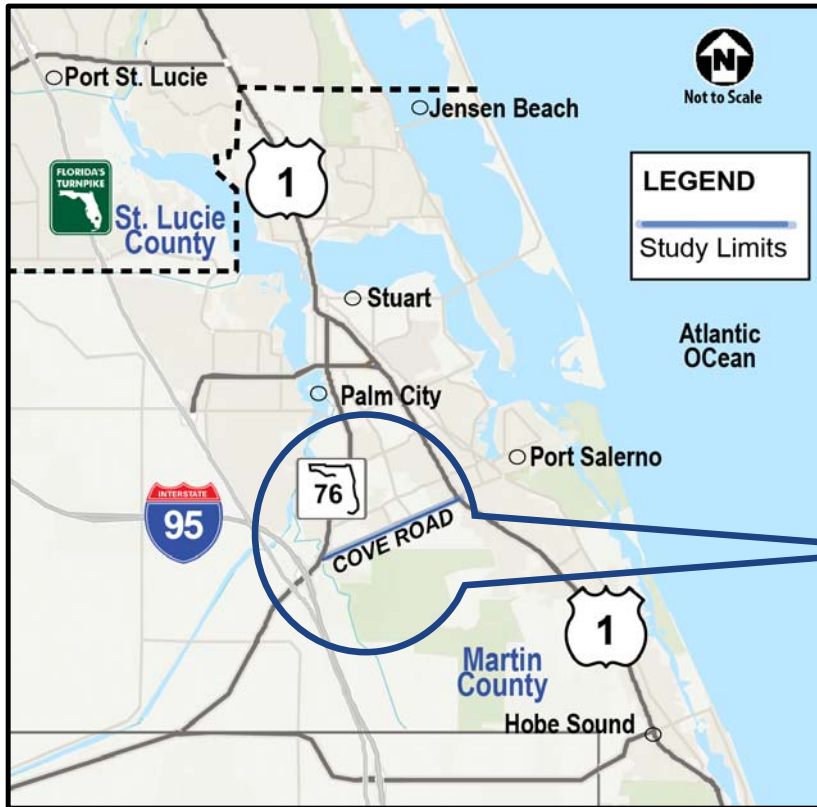
From State Road (SR) 76/Kanner Highway to SR 5/US-1  
Martin County, Florida

Project Development & Environment (PD&E) Study

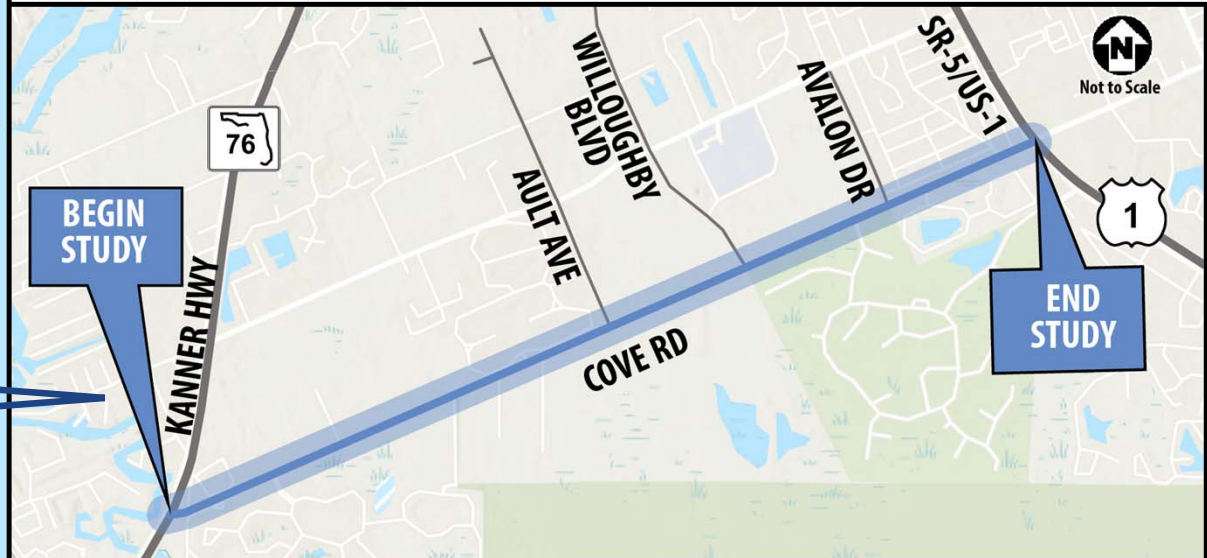
FPID Number: 441700-1 ♦ ETDM Number: 14479



## Project Location



- From Kanner Highway to US-1 
- Project extends approximately 3.2 miles 



## Project Background

- Existing Roadway Characteristics
  - 2-lane undivided roadway
  - Major arterial
  - Unincorporated Martin County
  - Intermittent sidewalks
  - Posted speed varies from 35-45 miles per hour
- Project Kick-off Meeting held:
  - Virtual - March 29, 2023
  - In-Person - March 30, 2023

## Project Purpose

The primary purpose of widening Cove Road from two lanes to four lanes is to add capacity for all modes of travel and improve the local transportation network.

## Project Needs

Support Economic & Social Demands



Improve System Linkage



Improve Capacity



Improve Modal Interrelationships



Improve Emergency Evacuation

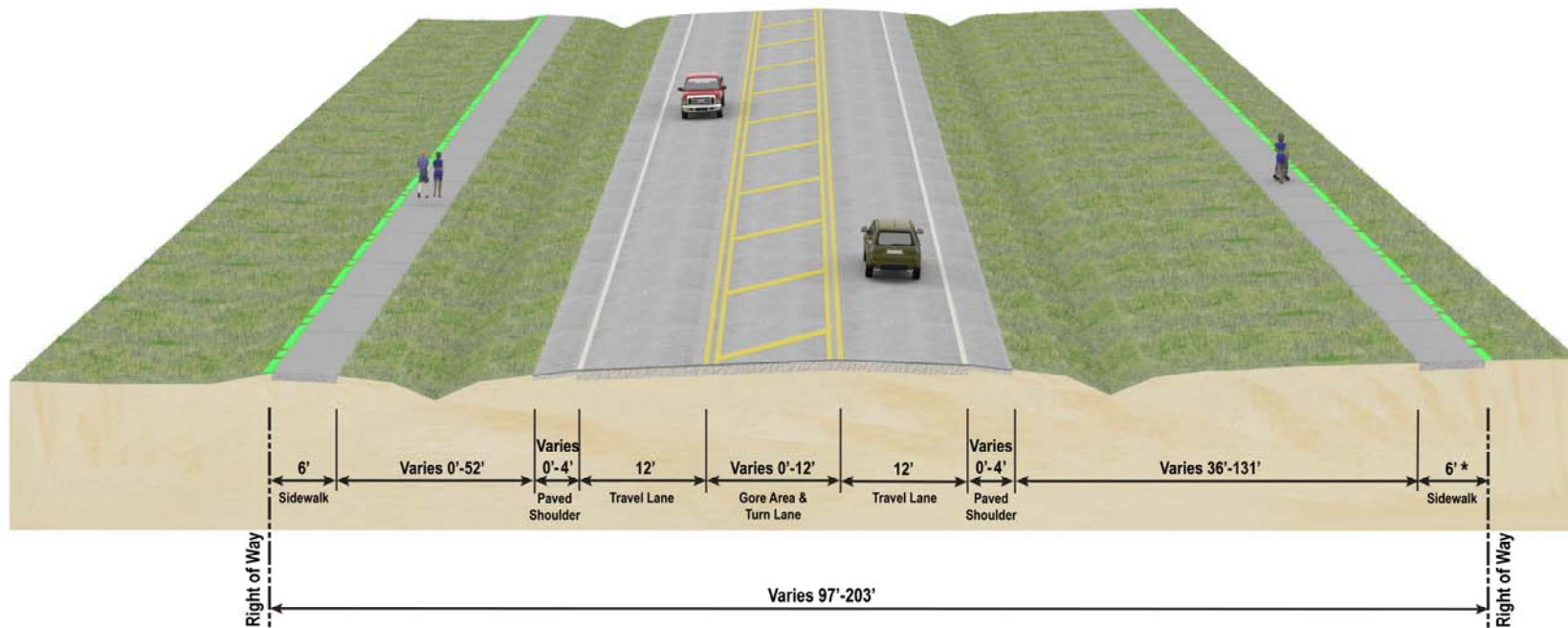


# Concepts and Alternatives Under Consideration

- Five alternatives are currently being evaluated for this project
  - An initial review considered additional alternatives, but it was determined that they did not meet the project's purpose and need and were eliminated from further consideration.
- The No-Build Alternative
  - No improvements to the roadway other than routine maintenance
- The project was divided into two evaluation segments
  - Segment 1 is from SR 76/Kanner Highway to west of Avalon Drive
  - Segment 2 is from west of Avalon Drive to SR 5/US 1

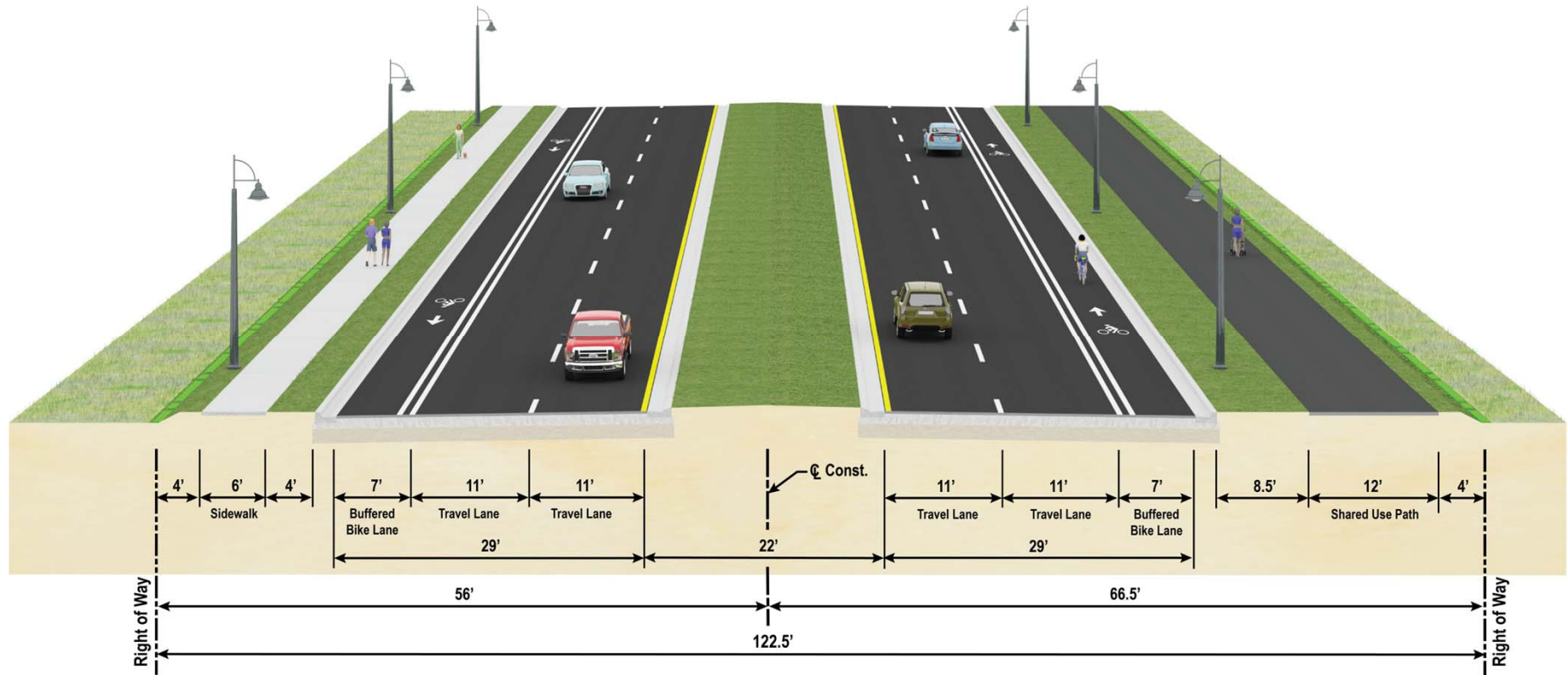


# Existing Condition from SR 76 to W of Avalon Dr



\* - From SR 76 (Kanner Hwy.) to Atlantic Ridge Drive

# Alternative 1A Typical Section





# COVE ROAD

From State Road (SR) 76/Kanner Highway  
to SR 5/US-1  
Martin County, Florida

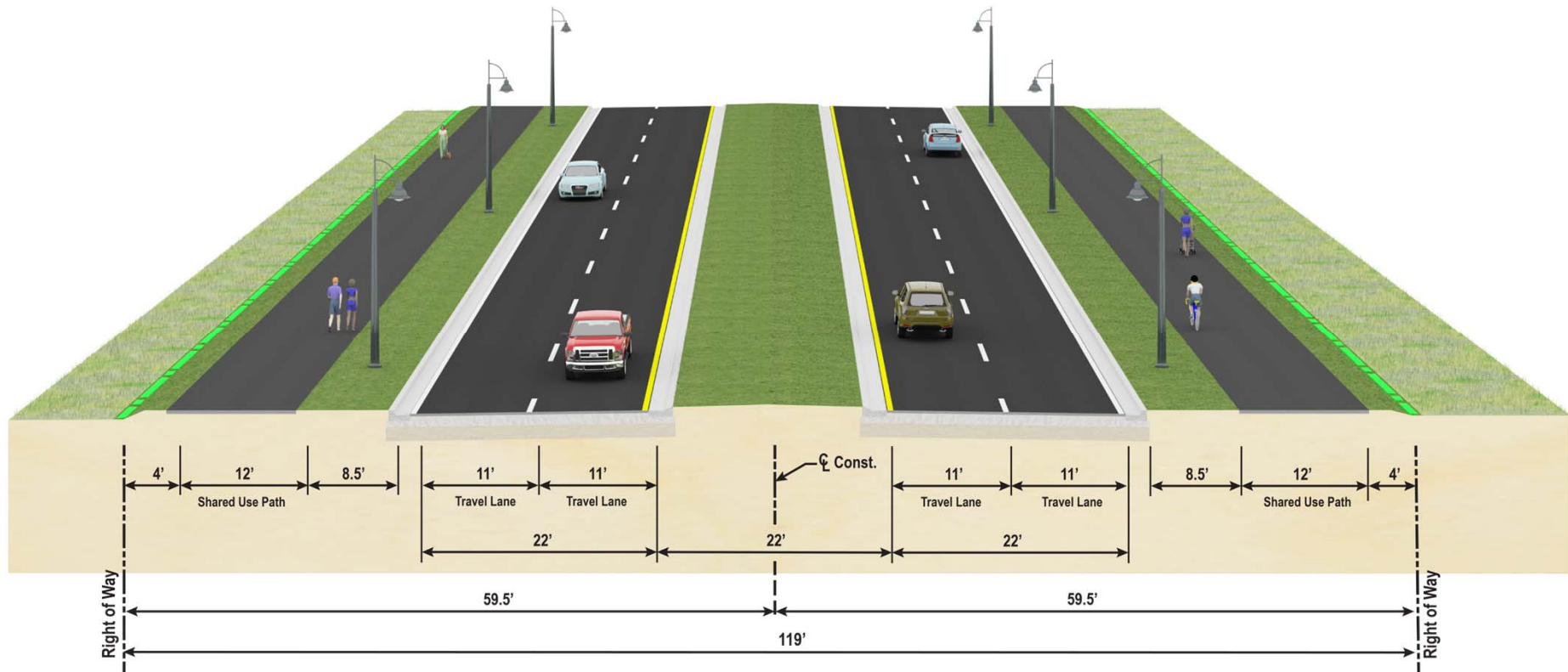
Project Development & Environment (PD&E) Study  
FPID Number: 441700-1 ♦ ETDM Number: 14479



## Segment 1 Alternative 1A



# Alternative 1B Typical Section





# COVE ROAD

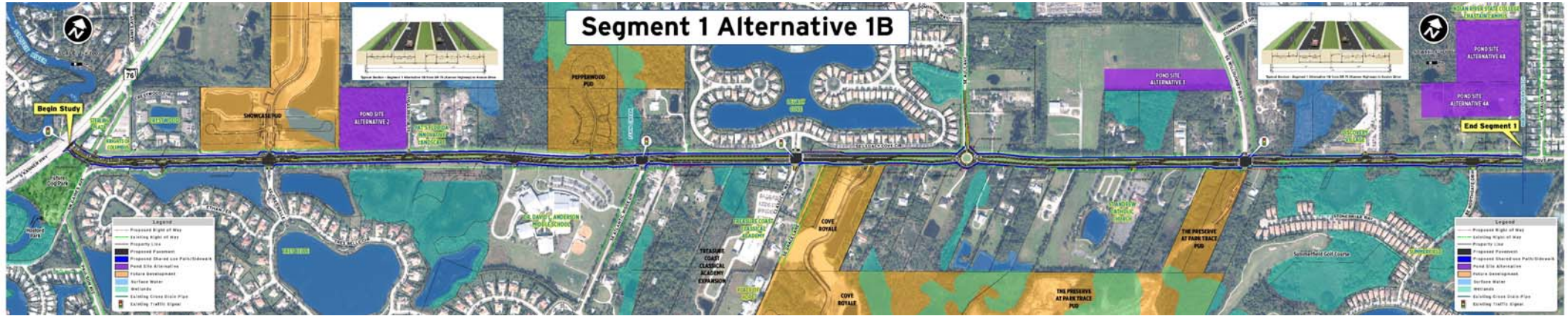
From State Road (SR) 76/Kanner Highway to SR 5/US-1  
Martin County, Florida

Project Development & Environment (PD&E) Study

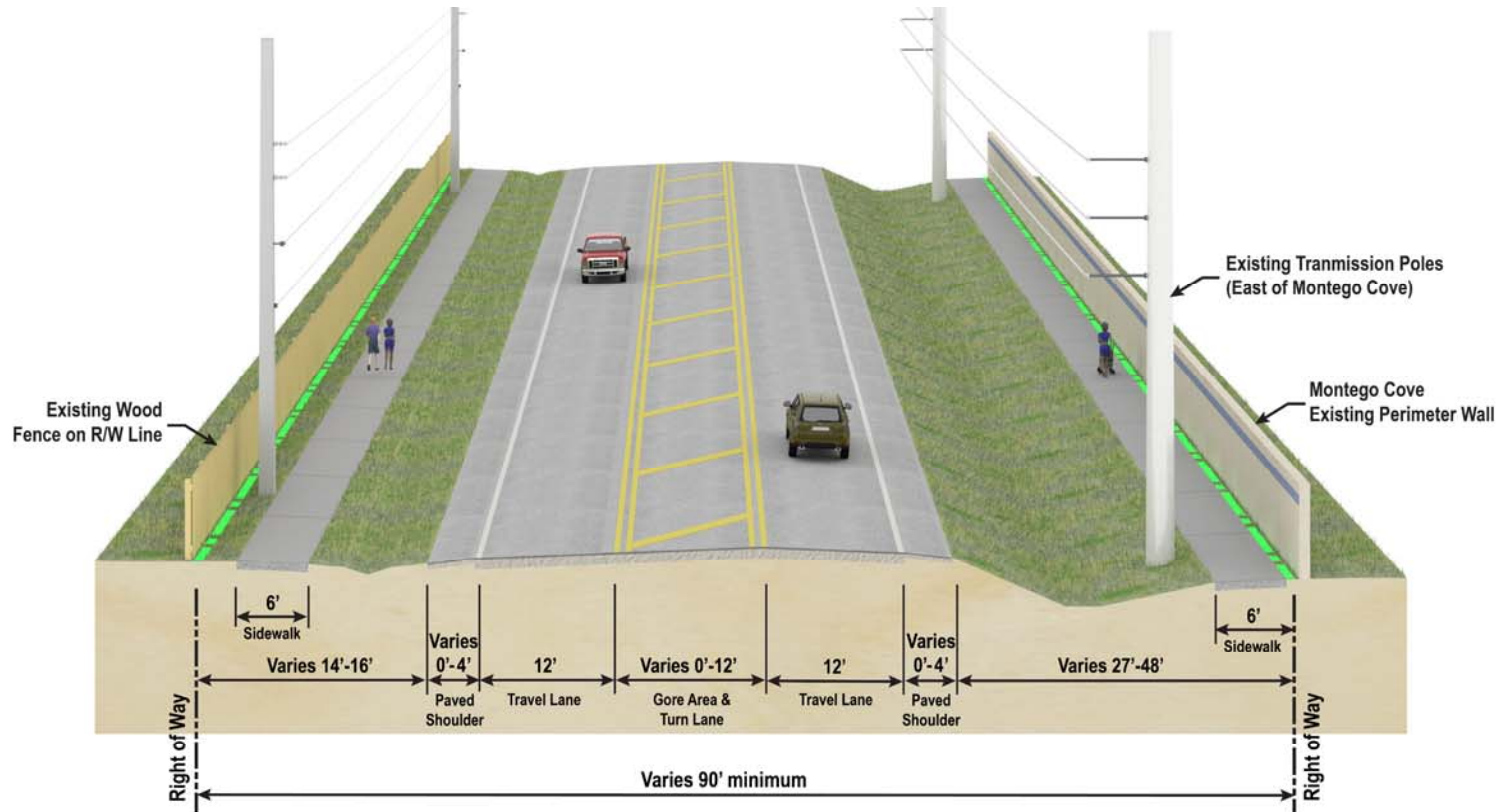
FPID Number: 441700-1 ♦ ETDM Number: 14479



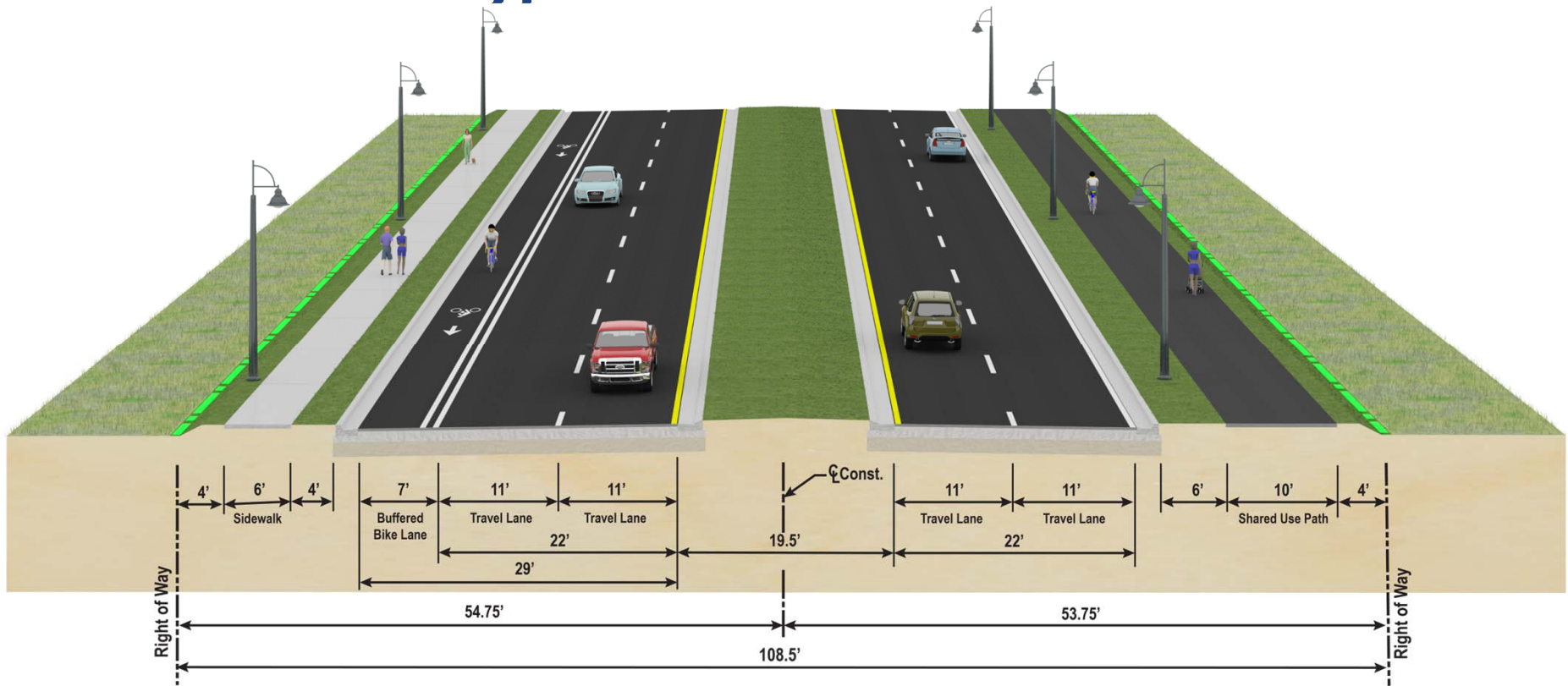
## Segment 1 Alternative 1B



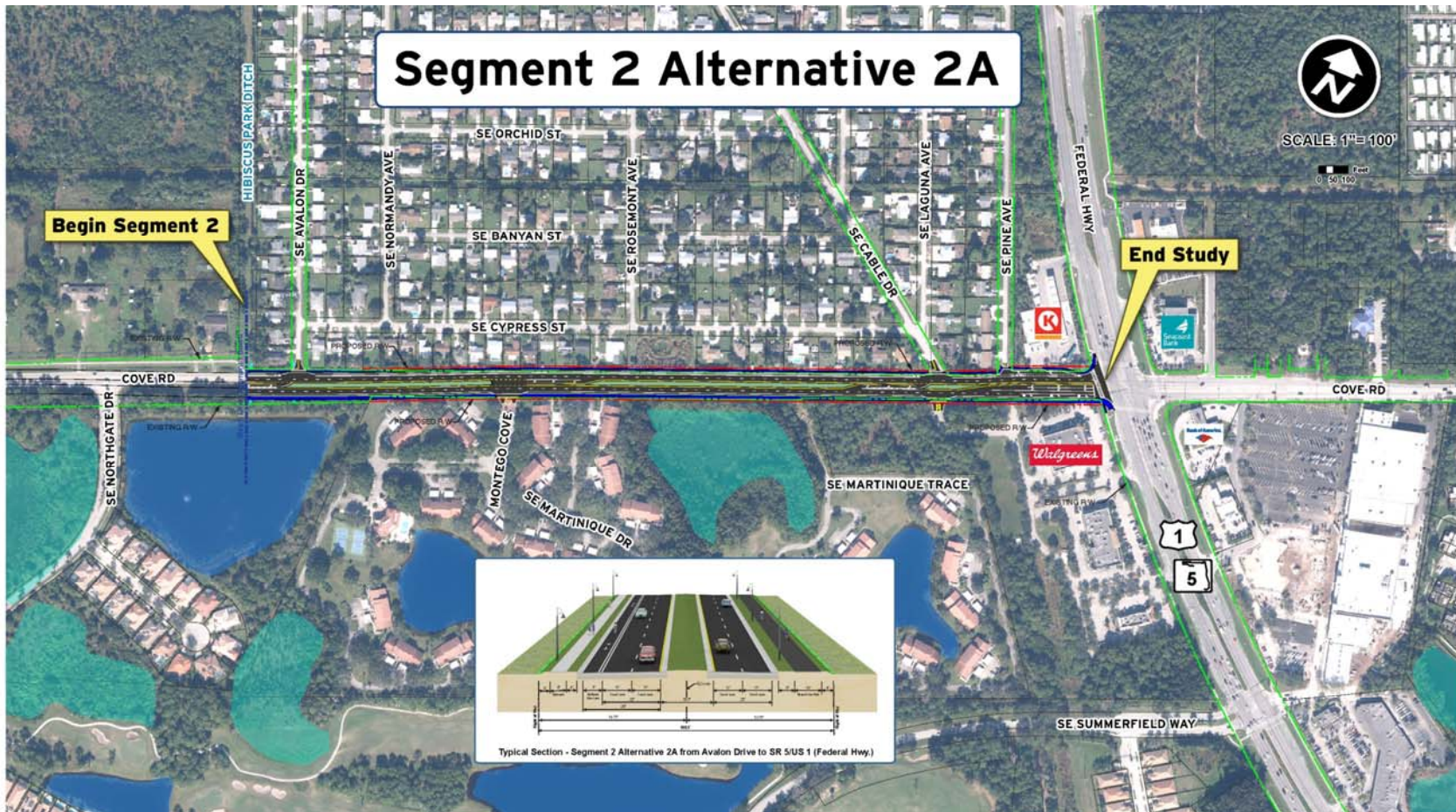
## Existing Condition from Avalon Dr to US 1



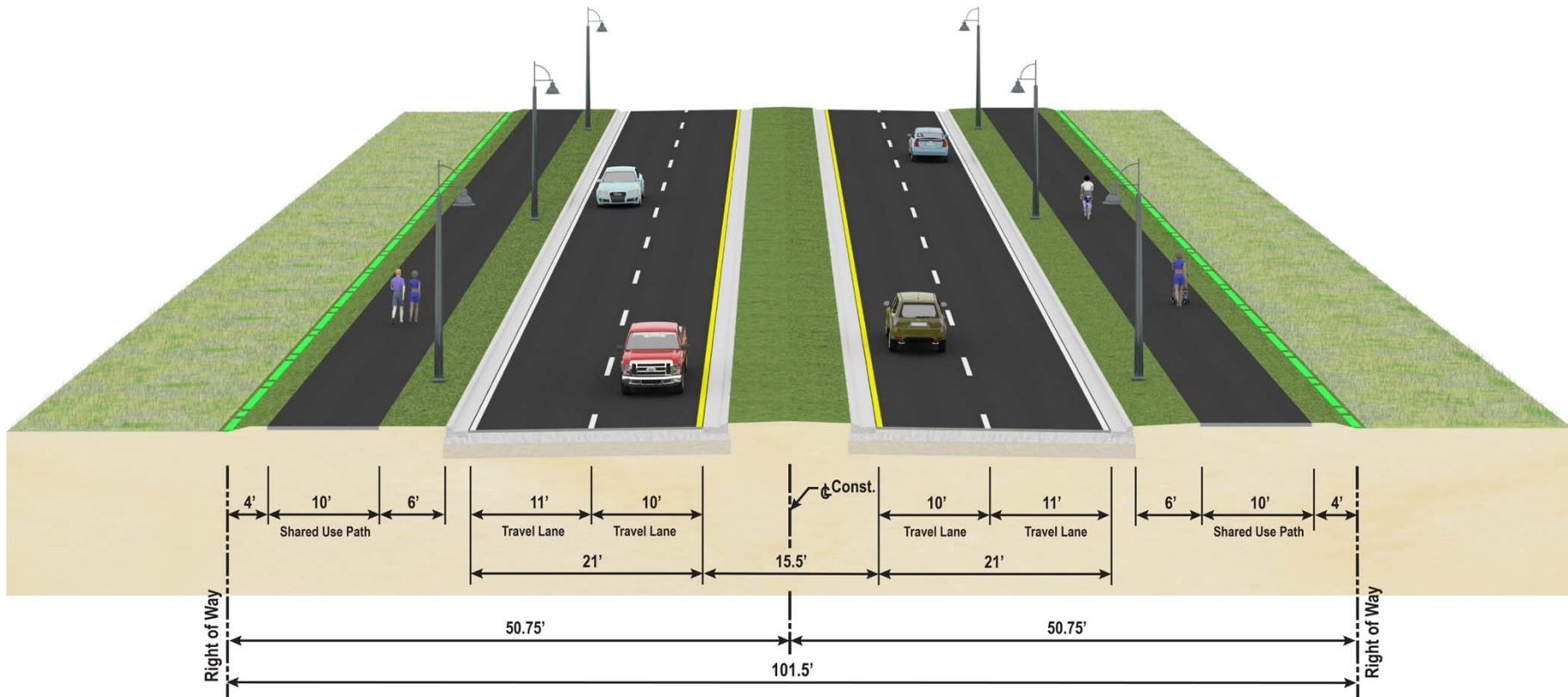
# Alternative 2A Typical Section







## Alternative 2C

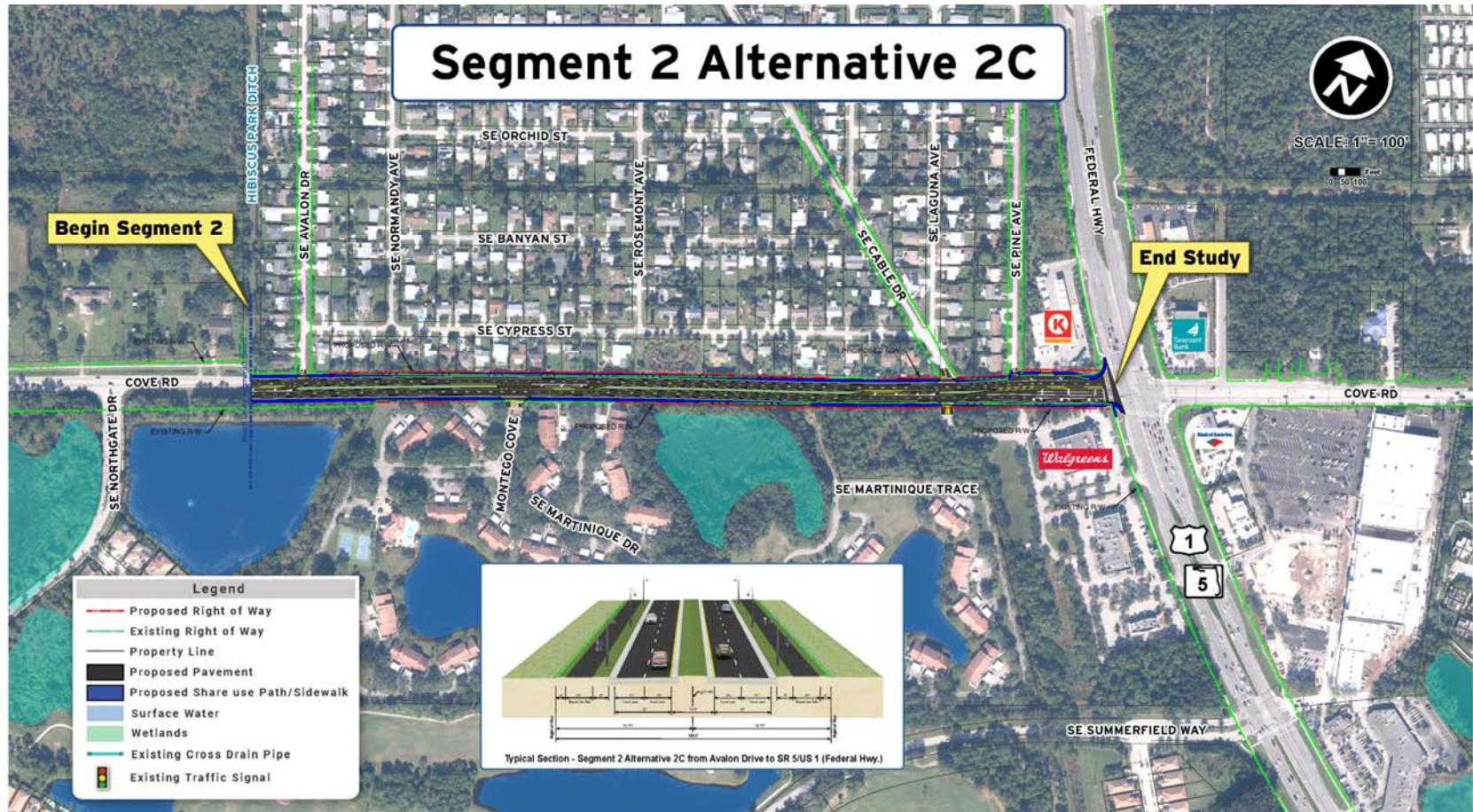




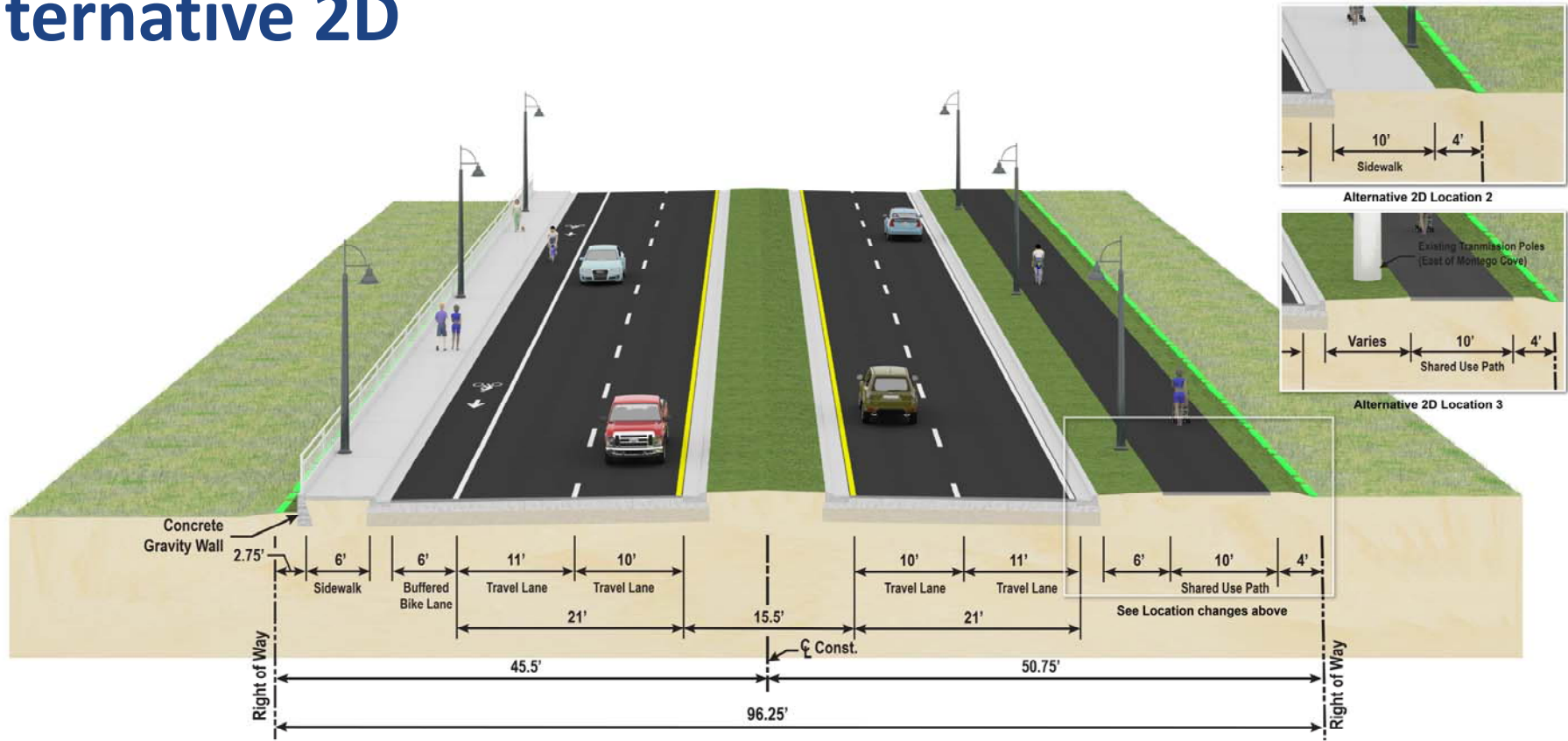
# COVE ROAD

From State Road (SR) 76/Kanner Highway  
to SR 5/US-1  
Martin County, Florida

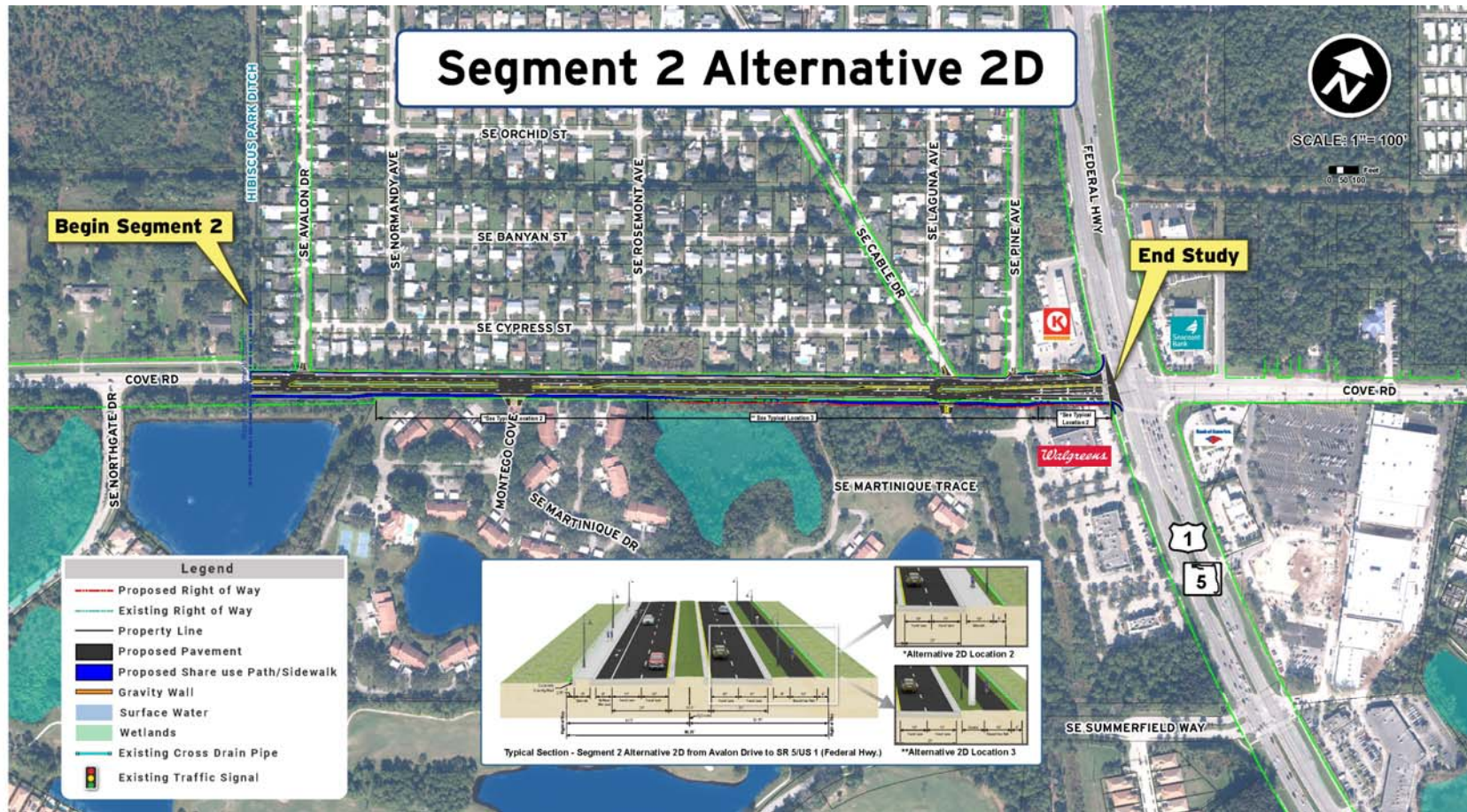
Project Development & Environment (PD&E) Study  
FPID Number: 441700-1 ♦ ETDM Number: 14479



# Alternative 2D









# Environmental Analysis

- Protected species and habitat
- Wetland and floodplains
- Water quality and Stormwater management and permitting
- Air quality
- Right-of-way requirements and relocations
- Contamination
- Archeological and Historical Resources
- Noise
- Land use
- Construction effects
- Farmland
- Aesthetics

# Evaluation Matrix\*

- Compares the Build and No Build Alternatives
- Evaluation Criteria includes:
  - Right-of-Way Impacts
  - Natural, Environmental, and Physical Impacts
  - Estimated Costs

Evaluation Criteria	No Build Alternative	Segment 1		Segment 2		
		SR 76 (Kanner Highway) to Avalon Drive		Avalon Drive to SR 5 (US 1)		
		Typical Section 1A	Typical Section 1B	Typical Section 2A (Best fit alignment)	Typical Section 2C (Best fit alignment)	Typical Section 2D
<b>Right-of-Way Impacts</b>						
Number of parcels impacted	0	23	21	30	31	3
Right of way impact area (acres)	0	1.07	1.02	1.38	0.94	0.48
Number of residential relocations	0	0	0	0	0	0
Number of business relocations	0	0	0	0	0	0
<b>Natural, Environmental &amp; Physical Impacts</b>						
Threatened and endangered species impacts	None	Medium	Medium	Low	Low	Low
Archaeological/historic site impacts	None	Medium	Medium	Low	Low	Low
Potential contamination sites (high & medium risk ranking)	None	0	0	0	0	0
Wetland impacts (acres)	None	0.52	0.52	0.00	0.00	0.00
Floodplain impacts (acres)	None	0.04	0.01	0.00	0.00	0.00
Potential Section 4(f) impacts	None	0	0	0	0	0
Social & neighborhood impacts	None	Low	Low	High	Medium	Low
<b>Estimated Costs (Present Day Costs)</b>						
Design (15% of construction)	No cost	\$6,564,000	\$6,122,000	\$1,236,000	\$1,165,000	\$1,356,000
Road right-of-way	No cost	\$4,262,000	\$3,933,000	\$13,452,000	\$10,431,000	\$4,419,000
Pond right-of-way	No cost	TBD	TBD	TBD	TBD	TBD
Wetland mitigation	No cost	\$54,000	\$54,000	\$0	\$0	\$0
Roadway construction	No cost	\$43,758,400	\$40,810,300	\$8,239,500	\$7,764,200	\$9,036,700
CEI (15% of construction)	No cost	\$6,564,000	\$6,122,000	\$1,236,000	\$1,165,000	\$1,356,000
<b>Total cost</b>	<b>No cost</b>	<b>\$61,202,000</b>	<b>\$57,041,000</b>	<b>\$24,164,000</b>	<b>\$20,525,000</b>	<b>\$16,168,000</b>

\*Preliminary – Subject to Change



# Project Schedule

- Alternatives Public Meeting
  - Virtual – May 21, 2024
  - In-Person – May 22, 2024
    - Indian River State College
    - Begins 5:30 pm
- Design funded in fiscal year 2025
- Right-of-way and construction are not currently funded

2022				2023				2024				2025			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
			★ Begin Study												
			▨ Data Collection												
				▨ Alternatives Analysis											
				▨ Public Input											
				★ Public Kickoff Meeting											
								★ Alternatives Public Information Meeting							
								▨ Documentation							
					Documents Approved for Public Availability ★										
									★ Public Hearing						
					▨ Recommended Alternatives and Finalize Documents										
															★ LDCA Announcement

## Contact Information

**Vanita Saini, P.E.**

Florida Department of Transportation (FDOT) Project Manager

FDOT District Four

3400 West Commercial Boulevard

Fort Lauderdale, FL 33309

Email: [vanita.saini@dot.state.fl.us](mailto:vanita.saini@dot.state.fl.us)

Telephone: (954) 777-4468

Toll-Free: (866) 336-8435, Ext. 4468

## National Youth Traffic Safety Month





# Questions?

