



# **SR 7/US 441 Project Development and Environment (PD&E) Study from SR 834/Samples Road to SR 808/Glades Road**

FPID # 427937-1 / 427938-1



**District Four**

**SR 7/US 441**

**Project Development and Environment (PD&E) Study**

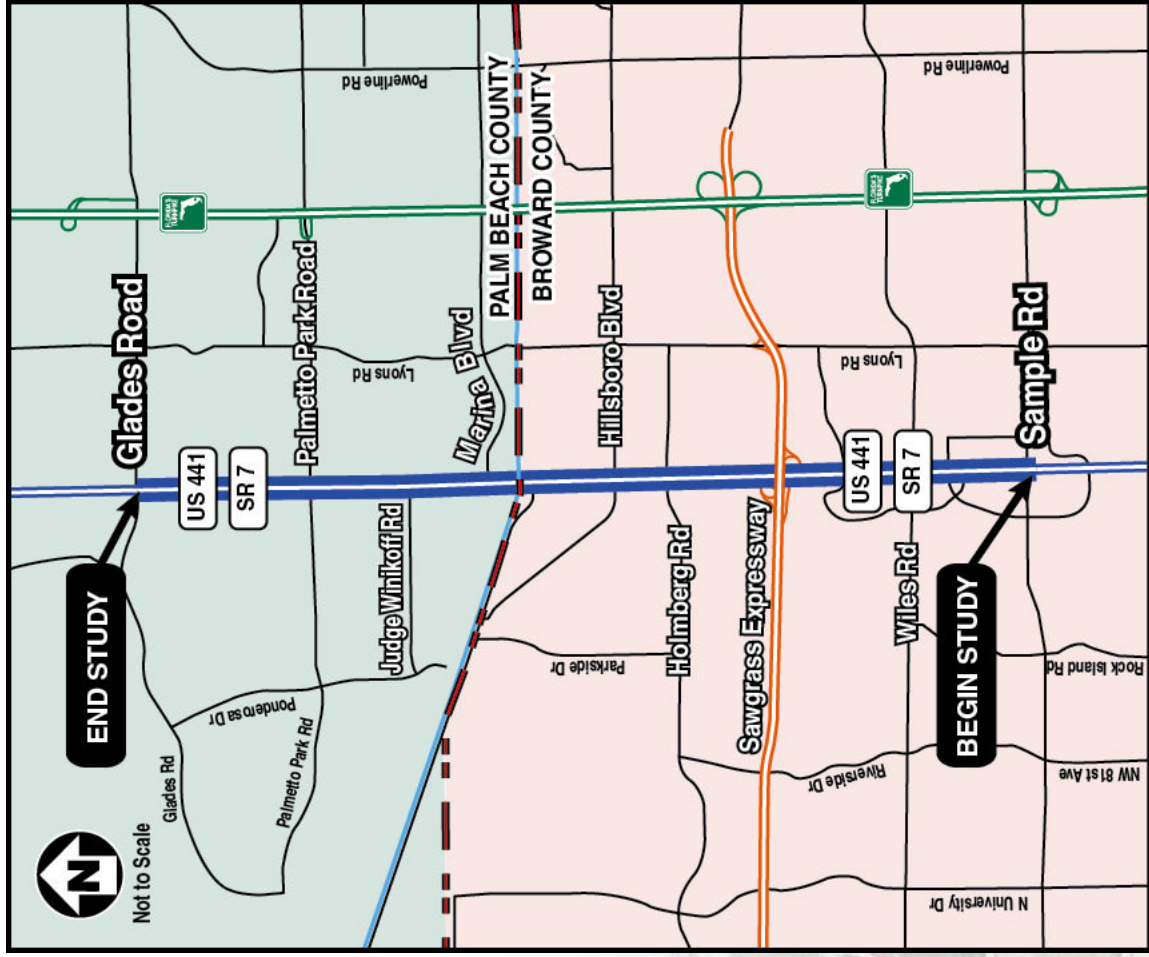


**District Four**

From **SR 834/Sample Road** to **SR 808/Glades Road** FPID # 427937-1 / 427938-1



# Project Location Map



# National Environmental Policy Act (NEPA)

- Established in 1969
- Establishes the requirement that all federal agencies' funding or permitting decisions be made with full consideration of the impact to the natural and human environment.
- Agencies must perform a rigorous evaluation of alternatives including the "no action" alternative



# **Project Development & Environment (PD&E) Study**

The objectives of a PD&E study are to perform necessary social, environmental and engineering studies of a proposed transportation improvement to support decisions concerning if and where it should be built and what will be the basic design concepts.



# Consistency with Local Plans

- Broward 2035 cost feasible plan identifies SR 7 as a premium transit corridor
- Palm Beach 2035 cost feasible plan includes the addition of 2 special use lanes





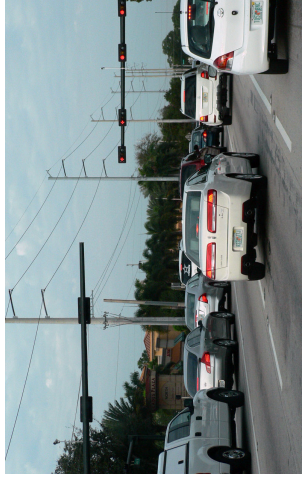
# Stipulated Settlement Agreement

- Between Department of Community Affairs (DCA), Palm Beach and Broward Counties
- Designated SR 7 between the Broward County Line and Glades Road as a Transit Oriented Corridor
- Requires addition of 2 dedicated transit/special use lanes when projected LOS falls below LOS D within a 5 year period



# Purpose and Need

- Address operational and capacity needs
- Evaluating premium transit on SR 7/US 441
- Connecting and improving north-south transit services
- Address bike and pedestrian needs
- Improve safety
- Increase sustainability, reduce greenhouse gases, and improve walkability and quality of life





# Data Collection Effort Underway

- Traffic counts
- Travel times and delay
- Bus travel times
- Bus ridership
- Roadway characteristics and existing conditions



# Analysis to be Performed

- **Traffic analysis**
- **Land use evaluation – Transit Oriented Development/market opportunities**
- **Mobility/Accessibility/Context Sensitive Solutions**
- **Environmental analysis**  
(contamination, historical and archaeological, wetlands, etc.)
- **Engineering analysis and concepts**
- **Noise study**
- **Financial analysis - funding/revenue options**



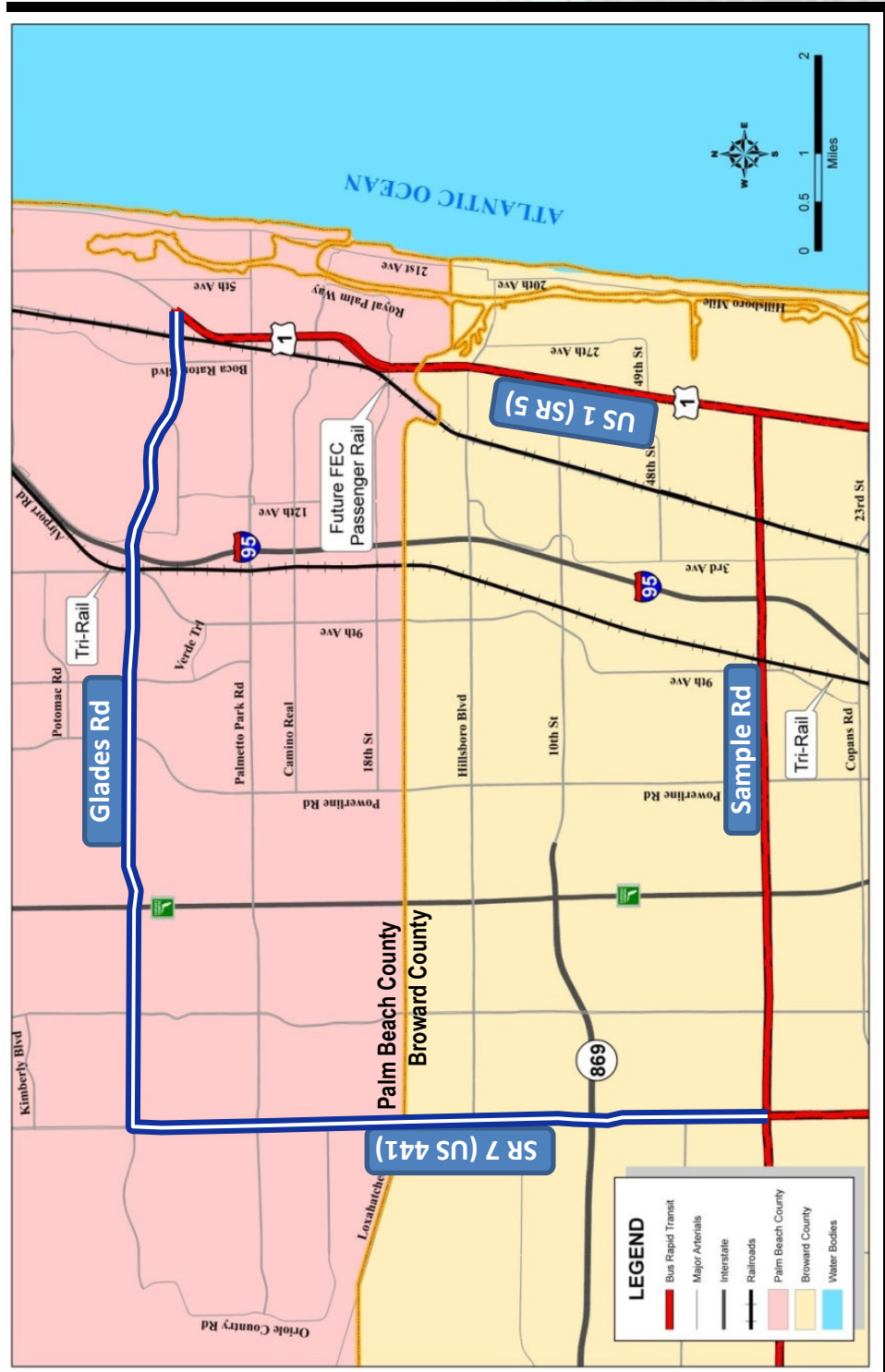
# Alternatives Under Consideration

- No Build or “No Project” Alternative
- Build Alternatives
- Intersection improvements
- Bicycle/Pedestrian/  
Transit improvements
- Designating one of the existing lanes  
in each direction as special use
- Adding one special use lane in each  
direction to existing lanes





# Regional Premium Transit Vision



# Premium Transit

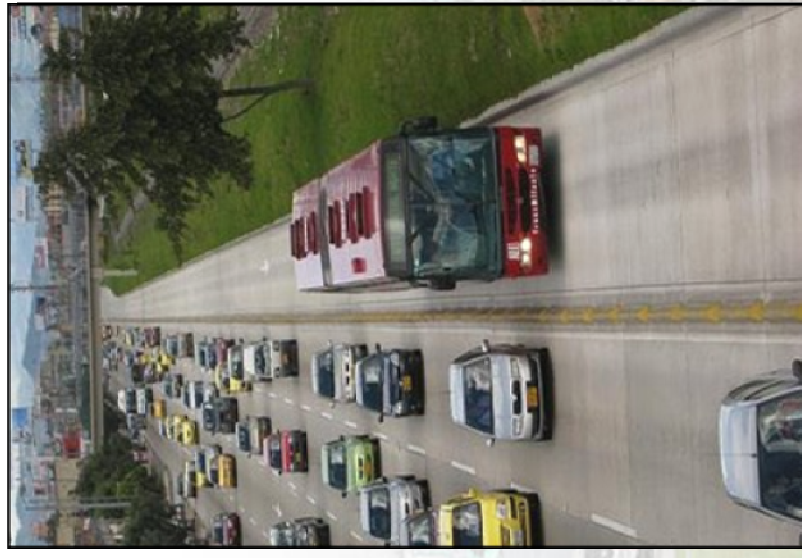
Vehicles



Exclusive Busways



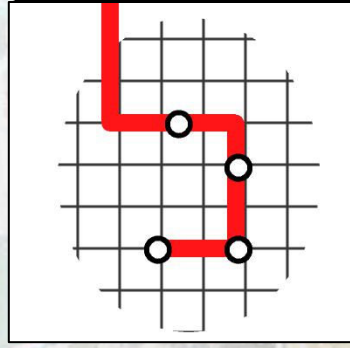
Stations



Systems

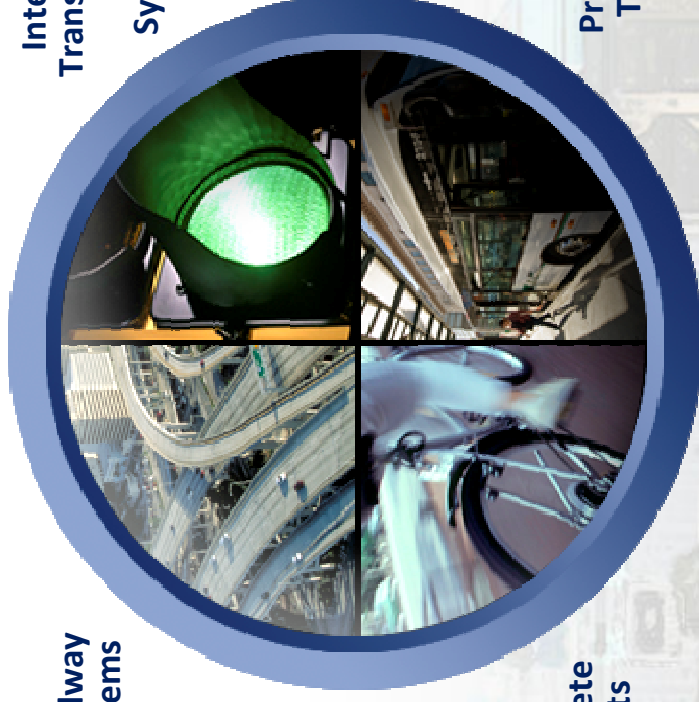


Service Plan



# Integrated Corridor Study

- Utilize previous and on going SR 7 Vision Studies
- Improve mobility through:
  - Network Optimization
  - Travel time reliability and predictability
  - Throughput
  - Connectivity
  - Safety
  - Accessibility
  - Efficiency
- Give travelers the opportunity to make seamless and convenient shifts among modes
- SR 7/US 441 corridor study will be coordinated through ongoing partnerships



Intelligent Transportation Systems

Roadway Systems

Complete Streets

Premium Transit



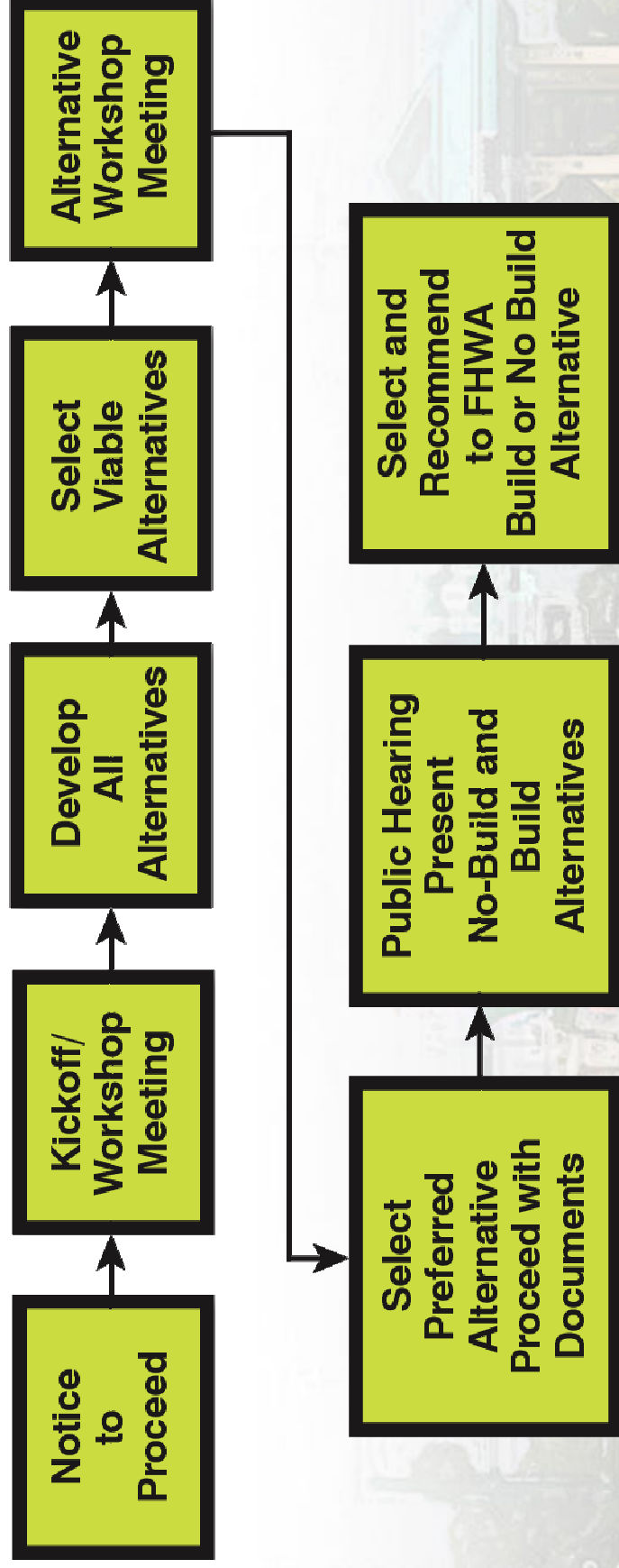


# Planning and Design Criteria

- **Context Sensitive Designs/Livability**
- **Air Quality Improvement / Greenhouse Gas Emissions**
  - Special Use Lanes reduce greenhouse gases and fuel consumption
- **LEED (Leadership in Energy and Environmental Design) station development**
  - Public transportation access, bicycle storage and change facilities, parking dedicated to carpools/vanpools

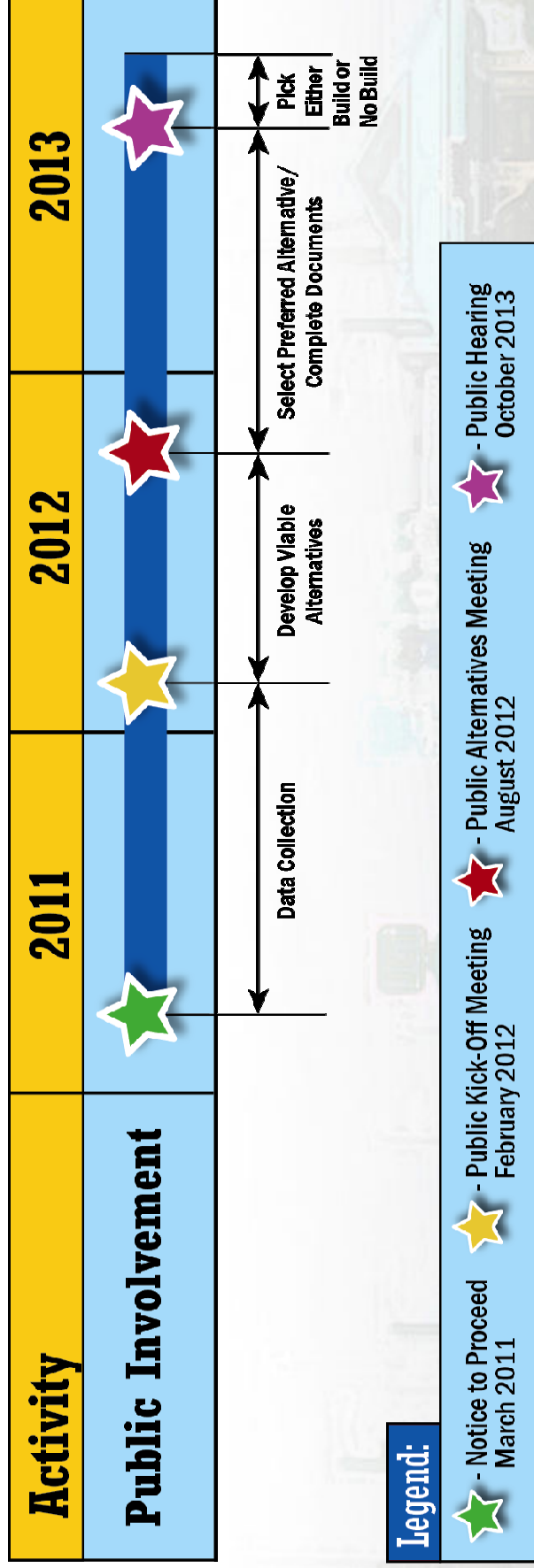


# SR7 PD&E STUDY PROCESS



# Schedule

## Project Schedule\*



\*The schedule shown above for the SR 7 PD&E Study is subject to change as the project progresses.





# Contact Information

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