

SR 5 / US 1 at Aviation Boulevard

Indian River County, Florida

**Florida Department of Transportation, District Four
Project Development and Environment (PD&E) Study**

Financial Project ID: 441693-1-22-02

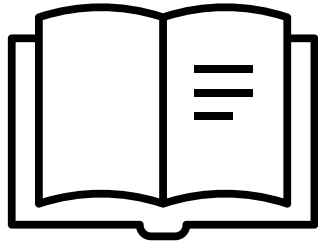
Efficient Transportation Decision Making (ETDM) Number: 14475

Public Kick-Off Meeting

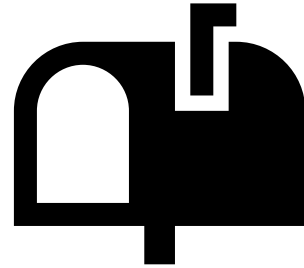
October 20, 2022 (Virtual)

October 26, 2022 (In-person)

Public Notice



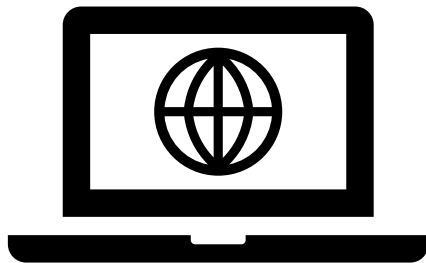
Florida Administrative Register



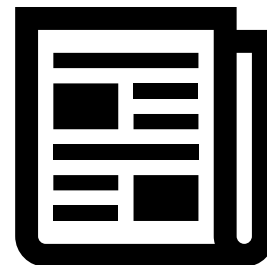
Property owner/tenant letters



Email to project contacts list



Department/project webpage



Newspapers




Social media


Non-Discrimination Policy


Title VI Compliance

Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability, or family status. Persons wishing to express concerns relative to FDOT compliance with Title VI may do so by contacting:

Sharon Singh Hagyan
District Four Title VI Coordinator


 3400 West Commercial Boulevard Fort
 Lauderdale, FL 33309


 (954) 777-4190

 (866) 336-8435, ext. 4190 (Toll Free)

 Sharon.SinghHagyan@dot.state.fl.us

Aldrin Sanders
Interim State Title VI Coordinator

 605 Suwanee Street, MS 65
 Tallahassee, FL 32399

 (850) 414-4764

 Aldrin.Sanders@dot.state.fl.us

Federal-State Partnership

The environmental review, consultation and other actions required by applicable federal environmental laws for these projects are being, or have been, carried out by the FDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated May 26, 2022, and executed by the Federal Highway Administration and FDOT.

Transportation Development Process

1 PLANNING

2 PROJECT DEVELOPMENT
AND ENVIRONMENT
(PD&E) STUDY

3 DESIGN

4 RIGHT OF WAY
ACQUISITION
(IF NEEDED)

5 CONSTRUCTION

6 MAINTENANCE

Why is a PD&E Study performed?

- To determine the best alternative to address the purpose and need
- To evaluate the potential environmental and social effects
- To include public participation to help shape the project
- To comply with federal, state, and local laws

During the PD&E Study:

- The community will have several opportunities for input on the project
- Project effects to the environment will be avoided or minimized
- Coordination with federal, state and local agencies will occur
- Project reports and plans will be available for public view

Project Location

Project is located:

- Within the City of Vero Beach and Indian River County

- Project study area encompasses the area
 - Along SR 5/US 1 from 21st Street to 41st St
 - Along Aviation Boulevard from 27th Avenue to 13th Avenue

- Focus of the project will be the intersection of SR 5/US 1 and Aviation Boulevard



Project Background

- **Indian River County Metropolitan Planning Organization (IRC MPO)**
 - Ranked the intersection as the 6th highest priority in the 2045 Long Range Transportation Plan
 - Funded in the MPO Transportation Improvement Program

- **Future County Projects on Aviation Boulevard**
 - Widen Aviation Boulevard to four lanes on the Airport property
 - Extend Aviation Boulevard to the Cleveland Clinic Hospital

- **FDOT ETDM Screening for the PD&E Study**
 - Multi-agency screening process completed January 2022
 - ETDM Summary Screening Report 14475



Purpose and Need

The purpose of this project is to evaluate intersection improvements at SR 5/US 1 and Aviation Boulevard to:

- Improve safety;
- Address existing and projected traffic demand; and
- Enhance the multi-modal features for the railroad, pedestrian, bicycle and transit users

The need for the project:

- Existing intersection operates at the maximum capacity
- Existing vehicle delays exceed 1.5 minutes per vehicle during peak traffic hours
- Forecasted vehicle delays will reach 3.5 minutes per vehicle by year 2045 without improvements
- The existing project area needs pedestrian and bicycle improvements
- Aviation Boulevard improvements are needed to serve regional mobility and airport needs

Existing Conditions

- **SR 5 / US 1**

- Four-lane road
- Flush or paved median
- Sidewalk on east side
- No bike lanes
- Traffic congestion



- **Aviation Boulevard**

- Two-lane road
- No roadway shoulders
- No sidewalks or bike lanes
- Traffic congestion

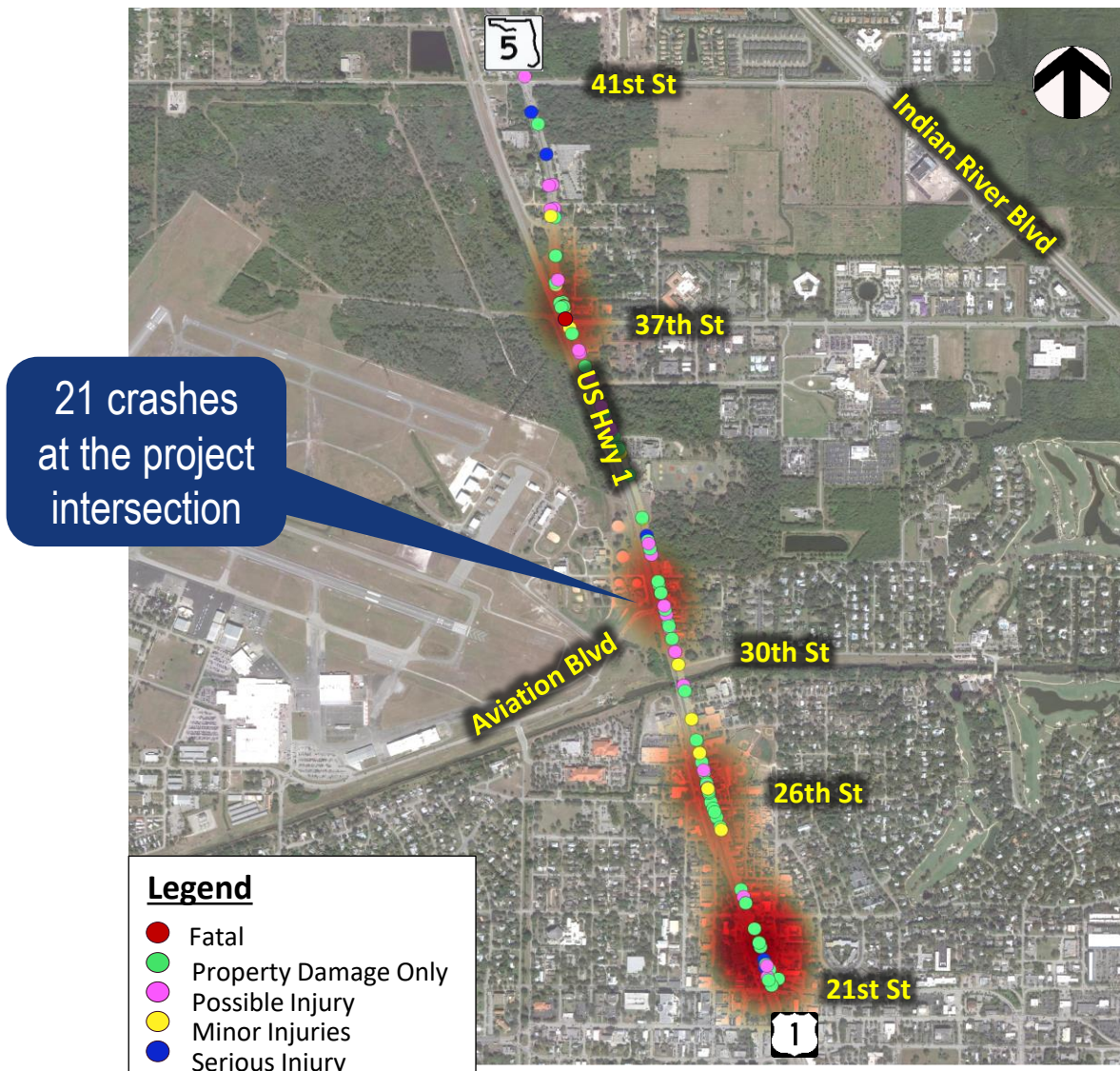


- **32nd Street**

- Unpaved two-lane road
- Connects to the SR 5/US 1 intersection

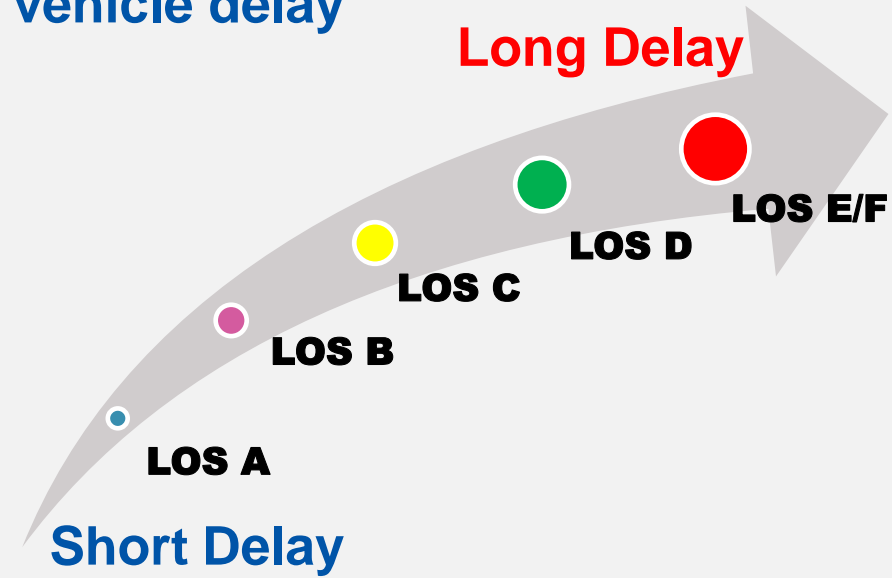
Existing Safety Conditions

- 137 total crashes for the five years between 2017 and 2021
 - 1 fatal crash (2019)
 - 52 injury crashes
 - 1 pedestrian crashes
 - 1 bicycle crashes
- **Predominant crash types**
 - Rear end 42%
 - Angle 24%
 - Sideswipe 11%
 - Fixed object 8%
- **Contributing causes**
 - Careless/negligence 25%
 - Failure to yield R/W 19%
 - Following too closely 16%
 - Ran Red Light 6%



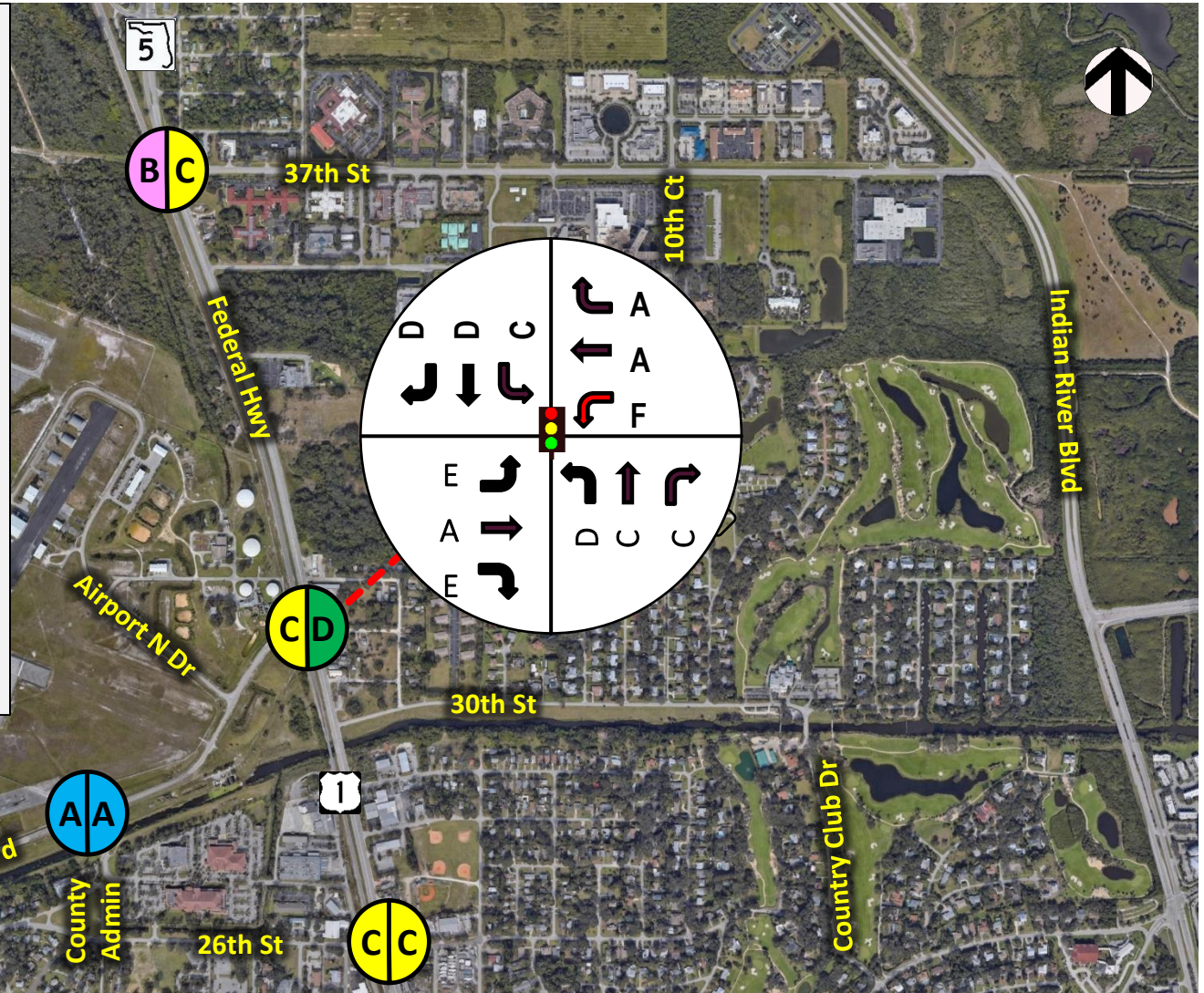
Existing Traffic Conditions Level of Service (LOS)

Level of Service (LOS) describes the traffic operations related to vehicle delay



LEGEND

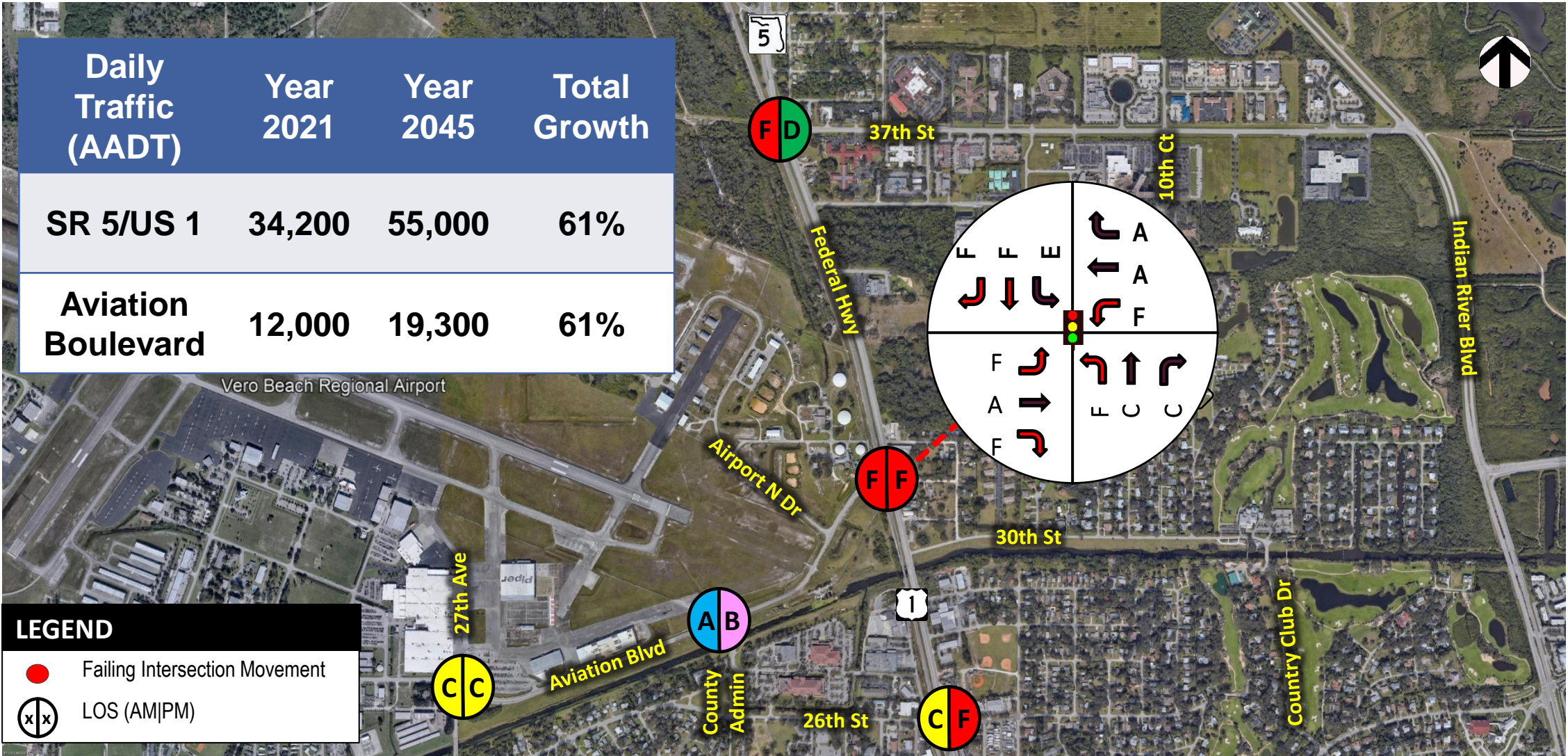
- Failing Intersection Movement
- LOS (AM|PM)



Future Traffic Operations

(Year 2045 without roadway improvements)

| Daily Traffic (AADT) | Year 2021 | Year 2045 | Total Growth |
|----------------------|-----------|-----------|--------------|
| SR 5/US 1 | 34,200 | 55,000 | 61% |
| Aviation Boulevard | 12,000 | 19,300 | 61% |



Alternatives to be Considered

- **Potential Roadway Alternatives**
 - Conventional intersection improvement
 - SR 5/US 1 overpass at Aviation Boulevard
 - SR 5/US 1 one-way pair intersection
 - Other innovative alternatives

- **Consider future extension of Aviation Boulevard**

- **New mobility features for pedestrians and bicyclists**
 - Signalized pedestrian cross walks
 - Sidewalks
 - Bike lanes
 - Shared use pathways
 - Bus stops

- **Coordination Opportunities**
 - Several local public meetings
 - Meetings with city, county, state and federal agencies



Environmental Analysis

- Social and economic



- Cultural

- Historic
- Archeological



1920's Homes



Potential Archeological Zone

- Natural

- Wetlands and species



- Physical

- Traffic noise
- Contamination
- Infrastructure



Infrastructure Wells
Potential Contamination Sites

Public Involvement

GET INVOLVED!

STAY INFORMED!

Attend Public Meetings

- Public Kick-off Meeting: October 20th and 26th, 2022
- Public Alternatives Workshop: April/May 2023 (tentative)
- Public Hearing: May 2024 (tentative)
- **Submit comments to:**
 - Vandana Nagole, PE
 - Email: Vandana.Nagole@dot.state.fl.us
 - Project Website: <https://www.fdot.gov/projects/SR5AviationBlvdPDE>

Social Media



Facebook: [MyFDOTSEFL](#)

Instagram: [myfdot_sefl](#)

Twitter: [@MyFDOT_SEFL](#)

Public comments and questions are welcomed at any time throughout the study.

Project Schedule

- PD&E Study began May 2022
- Public Kick-Off Meeting: October 20 and 26, 2022
- Public Alternatives Workshop: April/May 2023 (tentative)
- Public Hearing: May 2024 (tentative)
- PD&E Study complete: December 2024
- Design phase funded: Fiscal Year 2025
- Construction is not funded

| ACTIVITY | 2022 | | | | | | | | | 2023 | | | | | | | | | | | | 2024 | | | | | | | | | | | | | | |
|---|---------|------|------|-----|------|-----|-----|-----|-----|------|-----|-------|-----|------|------|-----|------|-----|-----|-----|-----|------|-----|-------|-----|------|------|-----|------|-----|-----|-----|--|--|--|--|
| | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | | | | |
| Begin Study | ★ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Public Kick-Off Meeting | | | | | | ★ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Public Alternatives Meeting | | | | | | | | | | | | ★ | | | | | | | | | | | | | | | | | | | | | | | | |
| Public Hearing | | | | | | | | | | | | | | | | | | | | | | | | ★ | | | | | | | | | | | | |
| Location and Design Concept Acceptance (LCDA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ★ | | | | |
| PD&E Study Completed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ★ | | | | |
| Public Involvement | ←—————→ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

See Tracks? Think Train!

Text Message
Hi

DISTRACTIONS ARE DEADLY!

STAY ALERT WHENEVER YOU ARE NEAR TRAIN TRACKS!

★ ★ ★ **See Tracks? Think Train!**

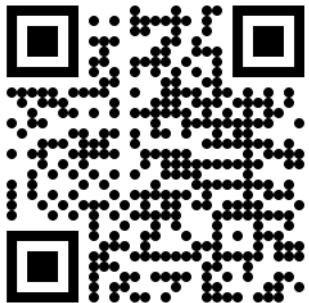
SeeTracksThinkTrain.org



Submitting Comments and Questions

Multiple ways to submit:

1. Submit a comment form at the meeting
2. Online at project website
3. By email to Project Manager
4. By U.S. mail to Project Manager



Website

Project Manager Contact Information

Vandana Nagole, P.E.
 FDOT District Four
 3400 West Commercial Blvd
 Fort Lauderdale, FL 33309

Email: vandana.nagole@dot.state.fl.us
 Telephone: 954-777-4281

<https://www.fdot.gov/projects/SR5AviationBlvdPDE>



Thank You

for attending the Public Kick-Off Meeting on the
SR 5 / US 1 at Aviation Boulevard
Project Development and Environment (PD&E) Study