



# Project Development and Environment (PD&E) Study

## SR-9/SR-817/NW 27th Avenue Rapid Transit Study



## Project Kickoff Meeting

December 7, 2016

**PARSONS  
BRINCKERHOFF**

# Meeting Purpose

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Project Scope

Study Process

Existing Conditions

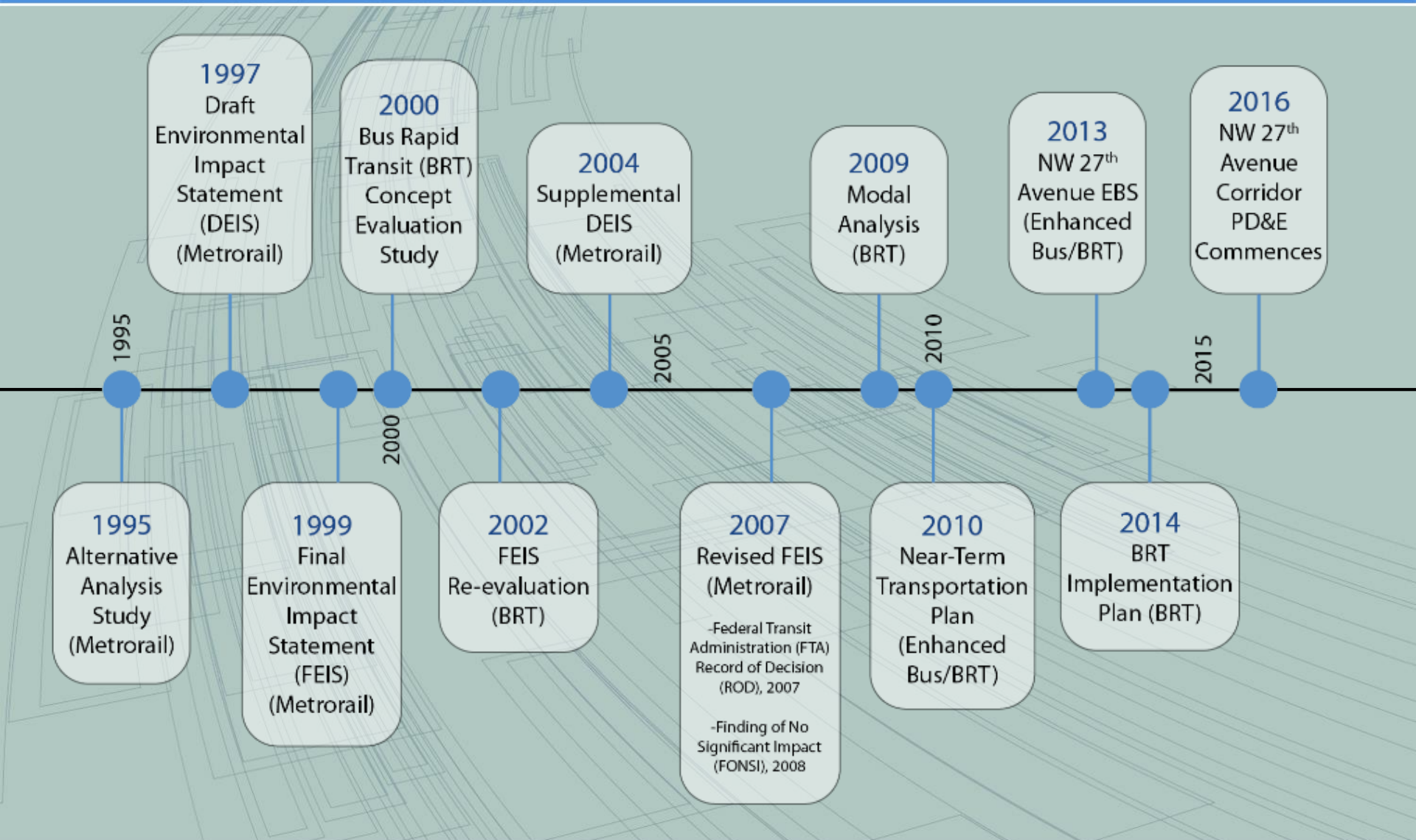
Milestone Schedule

How to get involved





# Project History Timeline





- Heavy Rail (HRT) – Metrorail
  - Elevated extension of Metrorail (Locally Preferred Alternative / Federal Transit Administration Record of Decision - 2007)
  - Median of NW 27<sup>th</sup> Avenue (Elevated)



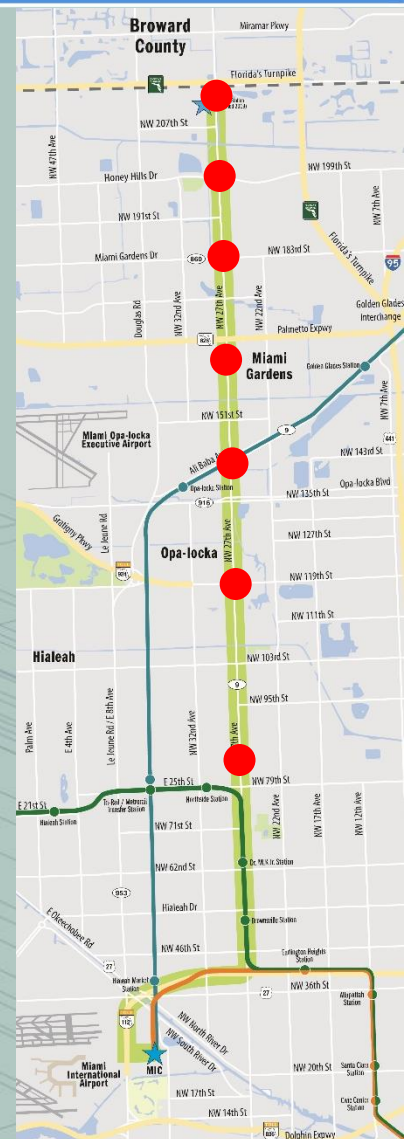
- Bus Rapid Transit (BRT)
  - Median of NW 27<sup>th</sup> Avenue



- Light Rail Transit (LRT)
  - Median of NW 27<sup>th</sup> Avenue

## Station Areas

1. NW 215<sup>th</sup> Street
2. NW 199<sup>th</sup> Street
3. NW 183<sup>rd</sup> Street
4. NW 163<sup>rd</sup> Street
5. Ali Baba Avenue
6. NW 119<sup>th</sup> Street (Miami-Dade College)
7. NW 82<sup>nd</sup> Street

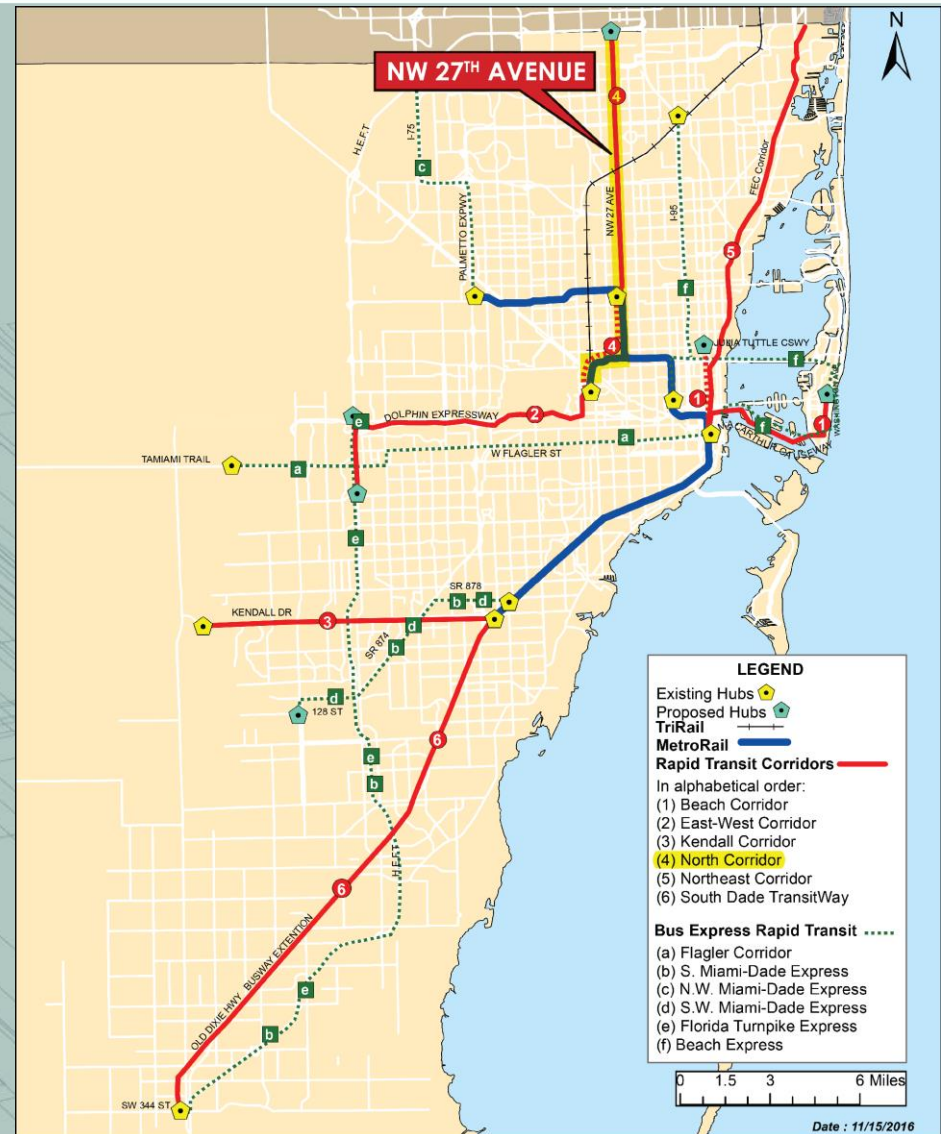




The SMART Plan identifies the development of six rapid transit corridors that directly support the mobility of our future population and employment growth

## MPO RESOLUTION #26-16

RESOLUTION ENDORSING THE STRATEGIC MIAMI AREA RAPID TRANSIT (SMART) PLAN AND DIRECTING THE MPO EXECUTIVE DIRECTOR TO WORK WITH THE METROPOLITAN PLANNING ORGANIZATION FISCAL PRIORITIES COMMITTEE TO DETERMINE THE COSTS AND POTENTIAL SOURCES OF FUNDING FOR PROJECT DEVELOPMENT AND ENVIRONMENT STUDY FOR SAID PROJECTS



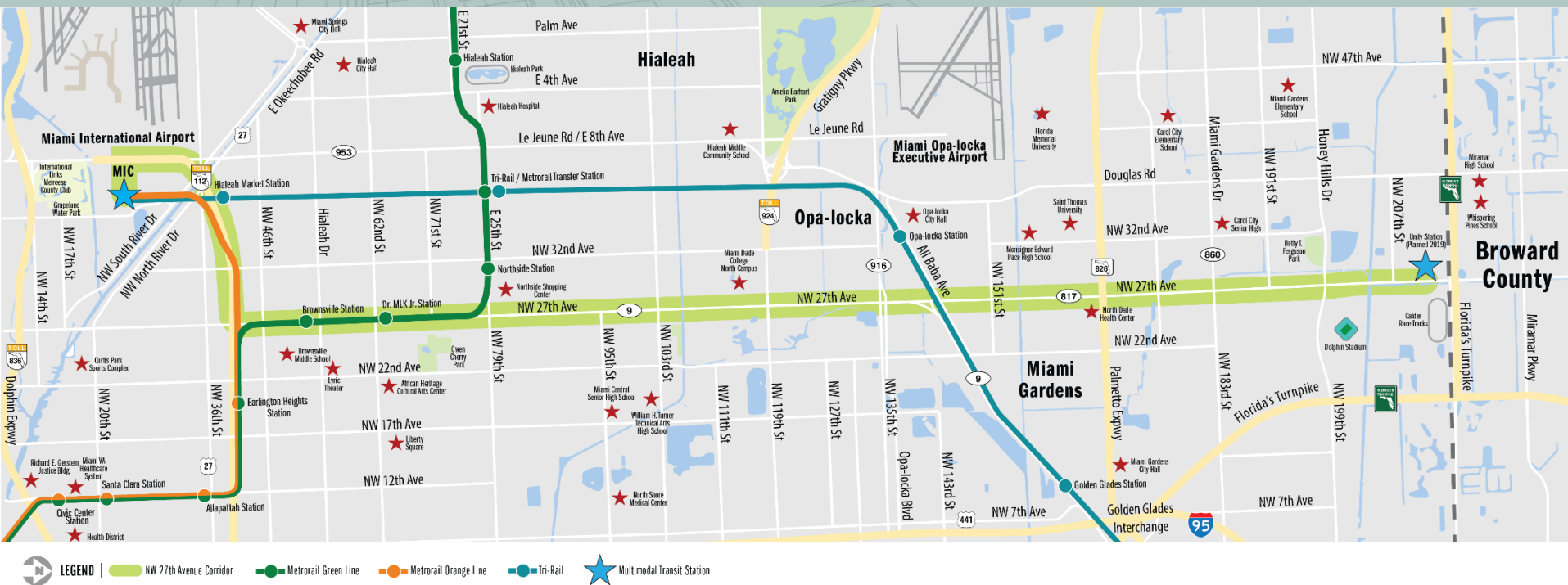
## ***A Project Development and Environment (PD&E) Study***

is a part of the process for complying with the ***National Environmental Policy Act (NEPA)*** of 1969 as mandated by the U.S. Environmental Protection Agency (EPA) in addition to Federal and State laws and regulations.

- The PD&E Process is the State of Florida process for complying with NEPA requirements.
- Evaluation criteria allows the project to be eligible for funding.
- Public outreach is a vital component to the study process.

## • PD&E Study Limits

- Miami Intermodal Center (MIC) via NW 27<sup>th</sup> Avenue and SR 112 to NW 215<sup>th</sup> Street (Unity Station)
- 13-mile urbanized corridor





## • Premium Transit Modes

- Bus Rapid Transit (BRT)
- Light Rail Transit (LRT)
- Heavy Rail Transit (HRT)

## • Corridor Alignment

- **Utilize existing right-of-way**
- Update those previously studied
- Develop new alignments

## • Station Stop Locations

- On-street, far-side of major intersections
- Multimodal connections

## • Transit Terminals

- NW 215<sup>th</sup> Street (Unity Station)
- Miami Intermodal Center (MIC)
- Identify other potential locations







# Project Purpose

## Improve Mobility

- Maximize mobility by offering an alternate transportation option with competitive travel times to improve people carrying capacity.

## Promote Connectivity

- Enhance connectivity with local and other regional transit systems that improves transportation system efficiency.

## Enhance Accessibility

- Improve access to regional attractors in Miami-Dade and Broward Counties.

## Stimulate Economic Development

- Realize economic opportunities through Transit Oriented Development (TOD)

## A Quality Transportation Alternative

- Level of Service (LOS) D - (AADT ranges from 30,000 to 60,000)
- 11,000 average weekday riders; Average Transit speed ~13-16 mph

## Improve Accessibility to Major Activity Centers

- Miami-Dade College – North Campus
- Hard Rock Stadium / Calder Race Course
- Government Service Facilities
- Miami Intermodal Center
- Downtown Miami

## Improve Regional Mobility and Equity

- Link intercounty Travel between Miami-Dade and Broward
- Serve transit dependent population (low income, zero-car households, elderly)

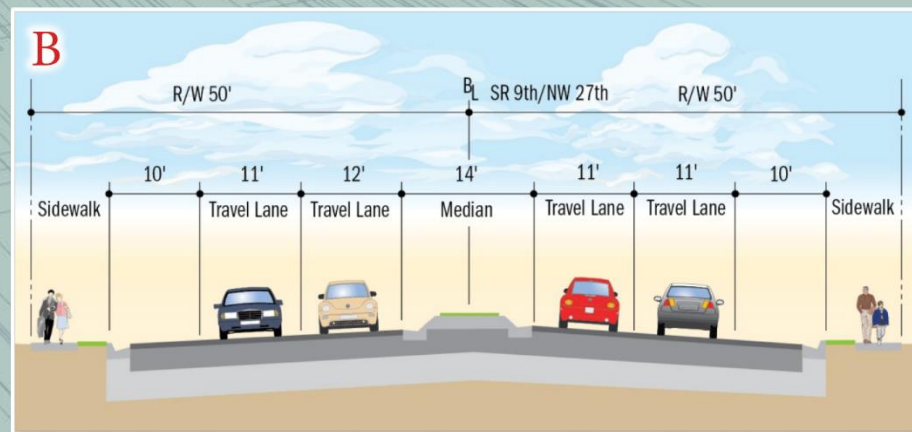
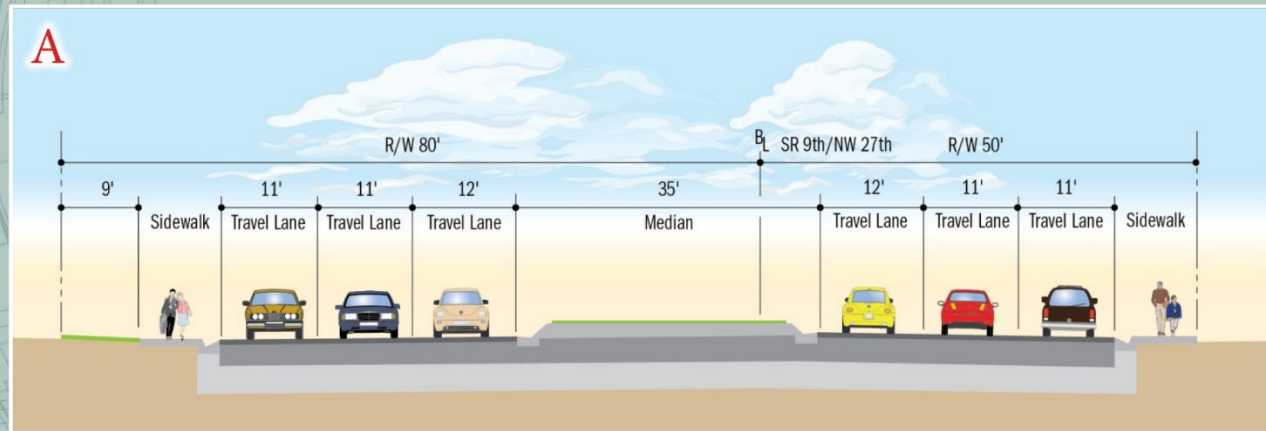
## Transportation improvements that support Transit Oriented Development

- Realize existing development / redevelopment opportunities





NW 117th St  
NW 103rd St  
NW 95th St  
NW 79th St  
NW 75th St





# Study Elements



## Public Involvement

Continuous outreach and coordination with community and stakeholders



## Data Collection

Review of existing conditions



## Engineering Analysis

Develop and evaluate alternatives that meet the goals of the project

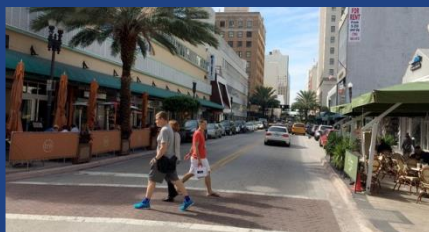


## Environmental Evaluations

Identify potential impacts to social, natural, and physical environments



## Data Collection



Review of existing conditions



Assess and Document the Issues

- Roadway Geometry
- Traffic
- Transit
- Drainage
- Structures
- Land-use
- Environmental



## Engineering Analysis



Develop alternatives that meet the goals of the project



Identify viable solutions that address the issues

- Alternatives Design
- Roadway Design
- Typical Sections
- Drainage
- Utilities
- Right-of-Way
- Safety
- Capital and Operating Costs



## Environmental Evaluations

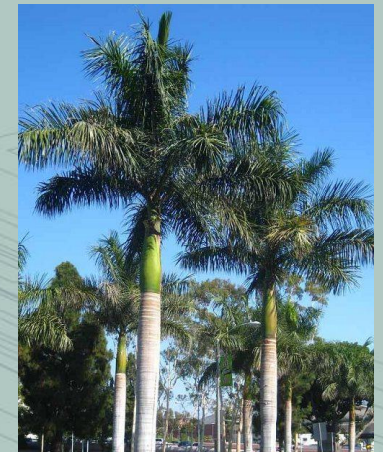


Identify potential impacts to social, natural, and physical environments



Develop solutions that minimize impacts

- Socioeconomic Data
- Cultural Resources
- Recreational, Section 4(f)
- Wetlands and Essential Fish Habitat
- Water Quality
- Special Designations
- Wildlife and Habitat
- Farmlands
- Noise
- Air Quality
- Contamination



## Public Involvement



Continuous outreach and coordination with community and stakeholders



Preferred set of improvements

- Agency and Elected Officials Kick-off Meeting
- Public Kick-off Meeting
- Corridor Workshops
- Alternatives Public Meetings
- Project Advisory Committee
- Technical Oversight Committee
- Other Stakeholder Meetings



## Identify and Evaluate Alternatives

- Right-of-Way Impacts
- Traffic Impacts
- Transit Operation
  - Service integration
  - Ridership
  - Future expansion potential
- Environmental Impacts
- Capital and O&M Costs



Public Hearing

## Planning

Define purpose and need; Identify long range transportation goals; Conduct early screening of options; Initiate public involvement

## PD&E

Project Development & Environment study evaluates environmental impacts, public input, costs and more to identify the Locally Preferred Alternative

**← We are here**

## Design

Identify Right-of-Way requirements and prepare construction plans

## Right-of-Way

Acquire property and provide relocation assistance when needed

## Construction

Oversee Project Construction, minimize disruption of traffic

## Maintenance

Maintain facility as established by a planned schedule

### What is the NW 27<sup>th</sup> Ave PD&E Schedule?

**We are here** →

#### Kick-off Meeting

Fall 2016  
Introduce Project

#### Corridor Meeting

Spring 2017  
Develop Alternatives

#### Alternatives Workshop

Fall 2017  
Analyze Viable Alternatives

#### Public Hearing

Spring 2018  
Select Preferred Alternative



# Project Milestone Schedule

| Major Project Tasks                        | 2016   |      |        | 2017   |        |      | 2018   |        |
|--|--------|------|--------|--------|--------|------|--------|--------|
|  | Summer | Fall | Winter | Spring | Summer | Fall | Spring | Summer |
| Notice to Proceed/Project Initiation       | ●      |      |        |        |        |      |        |        |
| Agency / Public Kick-Off Meeting           |        | ●    |        |        |        |      |        |        |
| Corridor or Informational Workshops        |        |      | ●      | ●      |        |      |        |        |
| Identify Viable Alternatives               |        |      |        |        | ●      |      |        |        |
| Alternatives Public Workshops              |        |      |        |        |        | ●    |        |        |
| Identify Recommended Alternatives          |        |      |        |        |        | ●    |        |        |
| FTA Class of Action Determination (NEPA)   |        |      |        |        |        | ●    |        |        |
| Draft Engineering/Environmental Reports    |        |      |        |        |        |      | ●      |        |
| Public Hearing                             |        |      |        |        |        |      | ●      |        |
| Selection of locally preferred alternative |        |      |        |        |        |      |        | ●      |
| Environmental Finding                      |        |      |        |        |        |      |        | ●      |



# Staying Informed and Engaged

## Stay Informed:

Project Website:

[www.fdotmiamidade.com/27thAvenueRapidTransit](http://www.fdotmiamidade.com/27thAvenueRapidTransit)

## Get Involved:

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# Comments?