



SR 5/US 1/Federal Highway at SR 838/Sunrise Boulevard

Project Development and Environment (PD&E) Study

Broward County, Florida

Financial Project Identification Number: 441955-1-22-02

Efficient Transportation Decision Making (ETDM) Number: 14499

Metropolitan Planning Organization

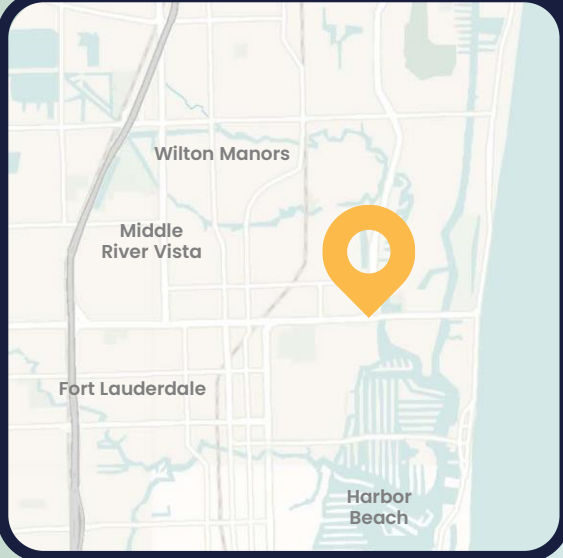
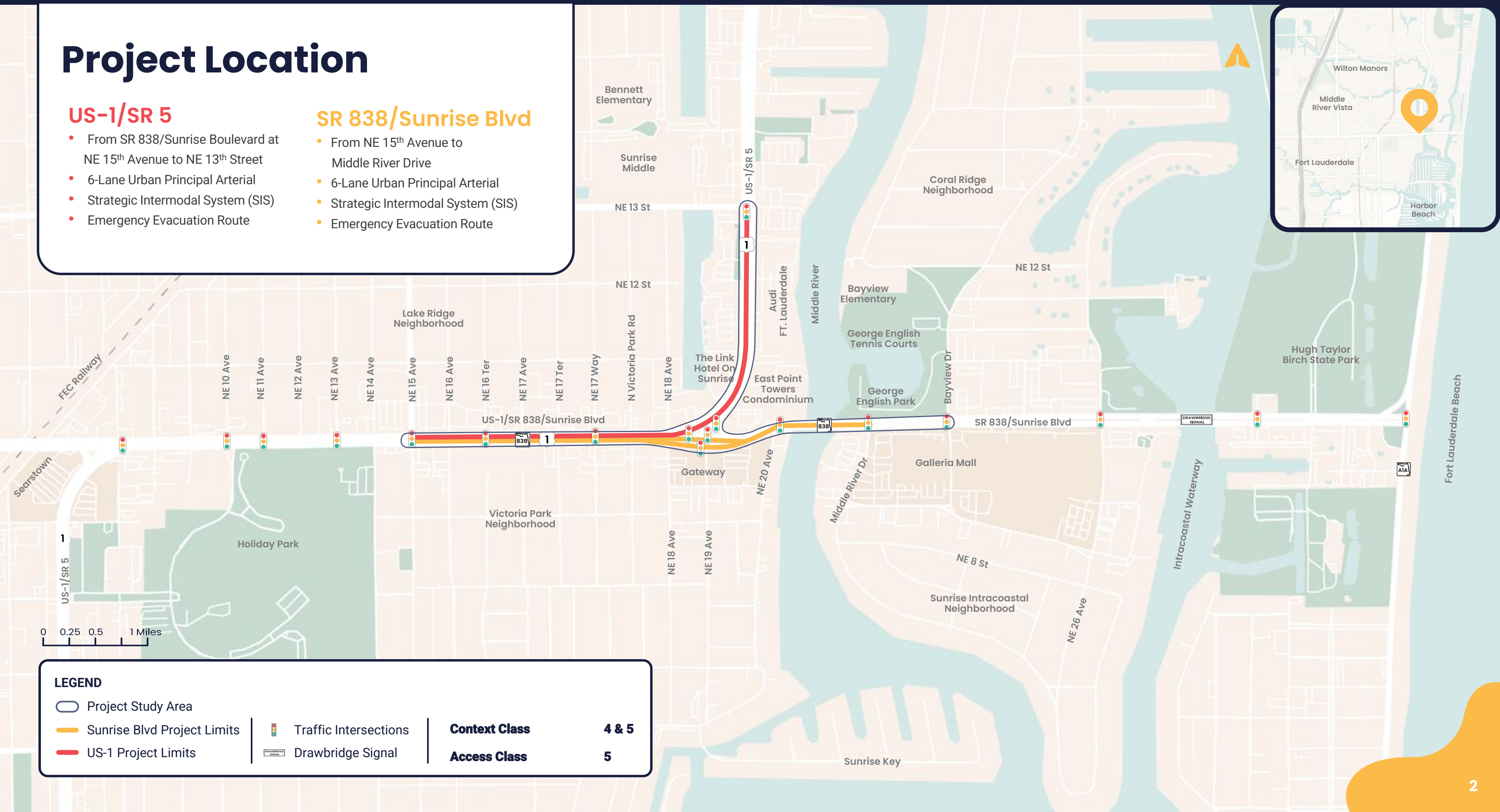
Project Location

US-1/SR 5

- From SR 838/Sunrise Boulevard at NE 15th Avenue to NE 13th Street
- 6-Lane Urban Principal Arterial
- Strategic Intermodal System (SIS)
- Emergency Evacuation Route

SR 838/Sunrise Blvd

- From NE 15th Avenue to Middle River Drive
- 6-Lane Urban Principal Arterial
- Strategic Intermodal System (SIS)
- Emergency Evacuation Route



LEGEND

Project Study Area	Traffic Intersections	Context Class	4 & 5
Sunrise Blvd Project Limits	Drawbridge Signal	Access Class	5
US-1 Project Limits			

Alternatives Moving Forward – US-1 at SR 838/Sunrise Blvd Intersection

- **Alternative 1**
No Build/No Action – Signalized At-Grade T
- **Alternative 2**
Transportation System Management and Operations (TSM&O) Signalized At-Grade T Expansion
- **Alternative 3**
EB Triple Left Signalized At-Grade T
- **Alternative 4**
EB *Downstream* Triple Left Signalized At-Grade T
- **Alternative 5**
EB *Upstream* Triple Left Signalized At-Grade T with SB/NB *Crossover*
- **Alternative 6.1**
Multilane 3-Leg Roundabout with EB Left Turn Compressed *Flyover/Overpass* (*overhead vertical separation*)
- **Alternative 6.2 (Formerly Alternative 7)**
Multilane 3-leg Roundabout with EB Left Turn Compressed Underpass (*underground vertical separation*)
- **Alternative 8**
EB Single Left Signalized At-Grade T with EB Left Turn Compressed *Flyover/Overpass* (*overhead vertical separation*)
- **Alternative 9**
EB Single Left Signalized At-Grade T with EB Left Turn Compressed *Underpass* (*underground vertical separation*)

Alternative 1. No-Build/No Action Signalized At-Grade T

CONST. COST* (\$)	RIGHT-OF-WAY IMPACTS (Properties & Area)	OVERALL INTERSECTION DELAY (Seconds)	OVERALL VEHICLE THROUGHPUT (No. of Vehicles)	BICYCLISTS & PEDESTRIANS (Type of Facility)
0	None	49.7	5111	6' Sidewalks

* Cost does NOT include Right-of-Way Appraised Cost








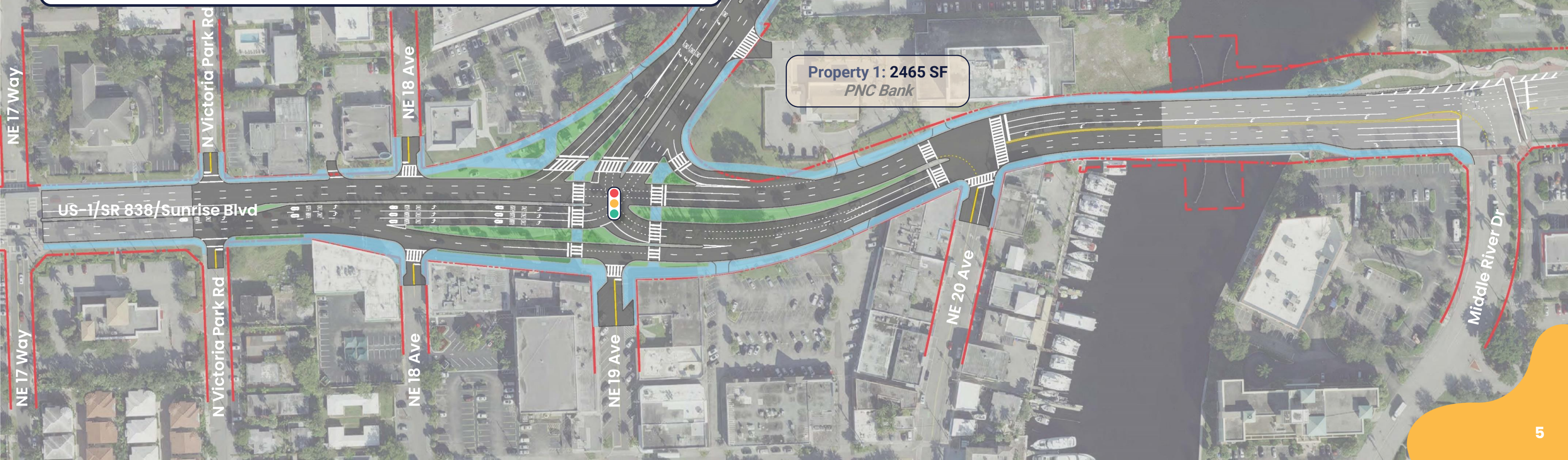
Alternative 3. Eastbound Triple Left Signalized At-Grade T

CONST. COST* (\$)	RIGHT-OF-WAY IMPACTS (Properties & Area)	OVERALL INTERSECTION DELAY (Seconds)	OVERALL VEHICLE THROUGHPUT (No. of Vehicles)	BICYCLISTS & PEDESTRIANS (Type of Facility)
6.5 M	Property 1: 2465 SF (PNC Bank) Property 2: 1310 SF (East Point Towers)	34.1	5174	12' – 16' Shared Use Paths

* Cost does NOT include Right-of-Way Appraised Cost

LEGEND

-  Existing Roadway Right-of-Way Line
-  Proposed Road Widening or Reconstruction
-  Proposed Road Resurfacing
-  Proposed Bike/Ped Shared Use Path
-  Proposed Green Area









Alternative 6.1

Multilane 3-Leg Roundabout with Eastbound Left Turn Compressed Flyover/Overpass *(overhead vertical separation)*

CONST. COST* (\$)	RIGHT-OF-WAY IMPACTS <i>(Properties & Area)</i>	OVERALL INTERSECTION DELAY <i>(Seconds)</i>	OVERALL VEHICLE THROUGHPUT <i>(No. of Vehicles)</i>	BICYCLISTS & PEDESTRIANS <i>(Type of Facility)</i>
15.7 M	Property 1: 8415 SF <i>(PNC Bank)</i> Property 2: 3700 SF <i>(East Point Towers)</i>	17.6	5147	12' – 16' Shared Use Paths

* Cost does NOT include Right-of-Way Appraised Cost

LEGEND

-  Existing Roadway Right-of-Way Line
-  Proposed Road Widening or Reconstruction
-  Proposed Road Resurfacing
-  Proposed Bike/Ped Shared Use Path
-  Proposed Green Area
-  Proposed Overpass Bridge



Alternative 6.2

Multilane 3-Leg Roundabout with Eastbound Left Turn Compressed Underpass *(underground vertical separation)*

CONST. COST* (\$)	RIGHT-OF-WAY IMPACTS <i>(Properties & Area)</i>	OVERALL INTERSECTION DELAY <i>(Seconds)</i>	OVERALL VEHICLE THROUGHPUT <i>(No. of Vehicles)</i>	BICYCLISTS & PEDESTRIANS <i>(Type of Facility)</i>
74.2 M	Property 1: 8415 SF <i>(PNC Bank)</i> Property 2: 3700 SF <i>(East Point Towers)</i>	17.6	5147	12' – 16' Shared Use Paths

* Cost does NOT include Right-of-Way Appraised Cost

LEGEND

- Existing Roadway Right-of-Way Line
- Proposed Road Widening or Reconstruction
- Proposed Road Resurfacing
- Proposed Bike/Ped Shared Use Path
- Proposed Green Area
- Proposed Underpass Structure



Evaluation Matrix

Criteria	Alternative 1 <i>No-Build/No Action Signalized At-Grade T</i>	Alternative 3 <i>Eastbound Triple Left Signalized At-Grade T</i>	Alternative 6.1 and 6.2 <i>Multilane 3-Leg Roundabout with Eastbound Left Turn Compressed Overpass & Underpass (vertical separation)</i>
Traffic Operations	■	●	●
Bike/Ped Safety and Access/ Level of Stress	■	●	▲
Motorist Safety	■	▲	●
Utility Impacts	●	▲	■
Access/Driveway/Minor Streets/ Vehicular Flows	▲	●	■
Constructability/Maintenance of Traffic	●	▲	■
Drainage	●	▲	▲
Historic and Community Features Impacts	▲	●	▲
Construction Cost	●	▲	■
Right-of-Way Impacts	●	▲	■
Aesthetics/Urban Design Features	■	▲	●

● Positive
▲ Neutral
■ Negative

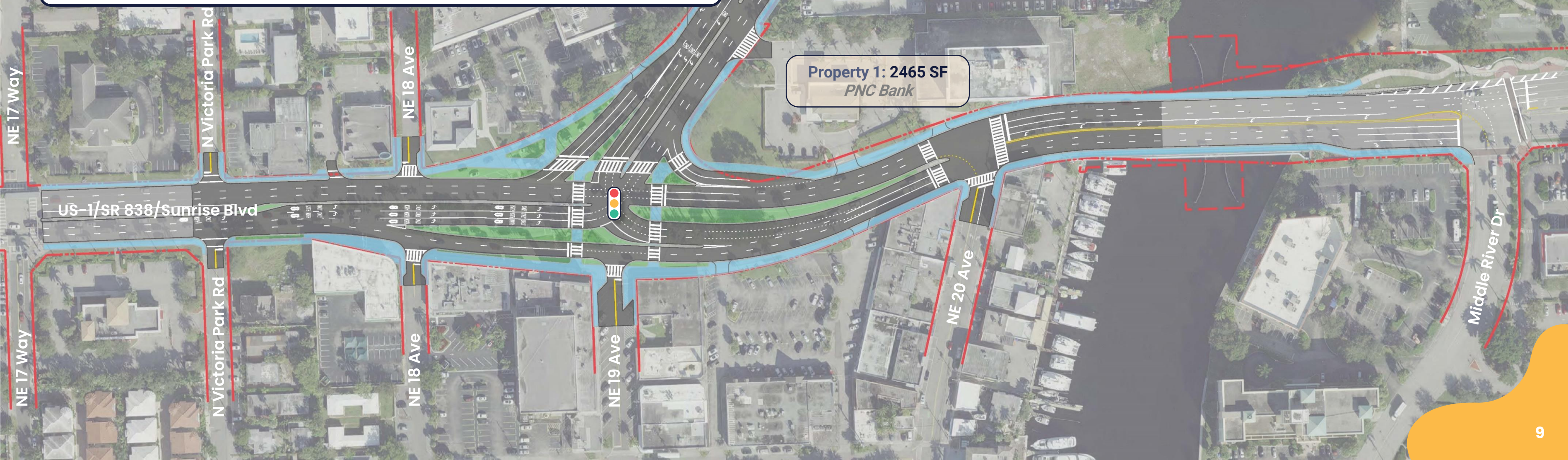
Alternative 3. Preferred Alt Eastbound Triple Left Signalized At-Grade T

CONST. COST* (\$)	RIGHT-OF-WAY IMPACTS (Properties & Area)	OVERALL INTERSECTION DELAY (Seconds)	OVERALL VEHICLE THROUGHPUT (No. of Vehicles)	BICYCLISTS & PEDESTRIANS (Type of Facility)
6.5 M	Property 1: 2465 SF (PNC Bank) Property 2: 1310 SF (East Point Towers)	34.1	5174	12' – 16' Shared Use Paths

* Cost does NOT include Right-of-Way Appraised Cost

LEGEND

- Existing Roadway Right-of-Way Line
- Proposed Road Widening or Reconstruction
- Proposed Road Resurfacing
- Proposed Bike/Ped Shared Use Path
- Proposed Green Area





Alternative 3
Overview
Looking North



Alternative 3
Overview
Looking South



Alternative 3
Close-Up
Looking Southwest



Alternative 3
Close-Up
Looking Southeast



Alternative 3
Person View
Looking Northeast from theatre

Next Steps



**FOR MORE
INFORMATION
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Project Website

**T H A N K
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