



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

Second Alternatives Public Workshop
01.17.2024

Agenda

- 01 Project Recap
- 02 Purpose & Need
- 03 Alternatives Moving Forward
- 04 Evaluation of Alternatives
- 05 Public Involvement
- 06 Questions & Answers
- 07 Next Steps

Speakers



Kris McKirdy, PE
Project Manager

FDOT District 4



Peter Gies, AICP
Strategic Planning Manager

Broward MPO



Maria Corbeira MBA, EI
Moderator

Quest



Carlos Cejas, PE
Project Manager

Gannett Fleming



Nelson Mora, PE
Project Engineer

Gannett Fleming

Partners



**We would like to recognize any federal, state,
county, or city officials who may be present.**

Please stand to be recognized.

Public Notice



**Florida
Administrative
Register**



Social Media



**Email to Project
Contacts List**



**Property Owner/
Tenant Letters**



Newspapers



**Department/Project
Webpage**

Non-Discrimination Policy

Title VI Compliance

The Florida Department of Transportation is required to comply with various non-discrimination laws and regulations, including Title VI of the Civil Rights Act of 1964. 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:

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District Four Title VI Coordinator

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Federal–State Partnership

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by the Florida Department of Transportation (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.

Purpose of Tonight's Meeting

- 01** Review Project Purpose & Need.
- 02** Discuss Project Alternatives Moving Forward with the Public.
- 03** Receive Comments from the Public for Project's Public Record.
- 04** Join the PD&E Study Mailing List.

01

Project Recap

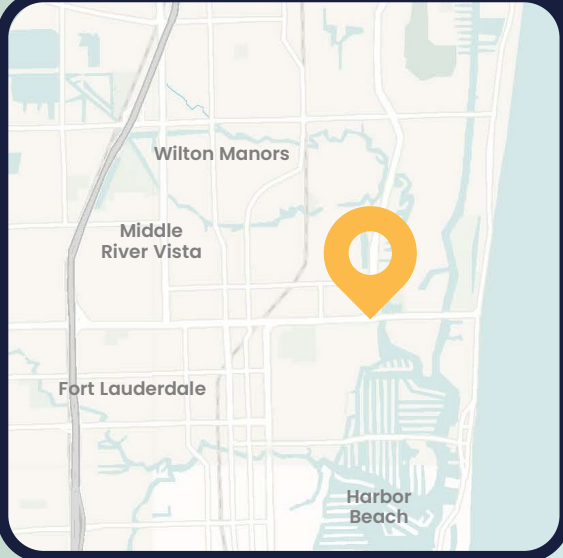
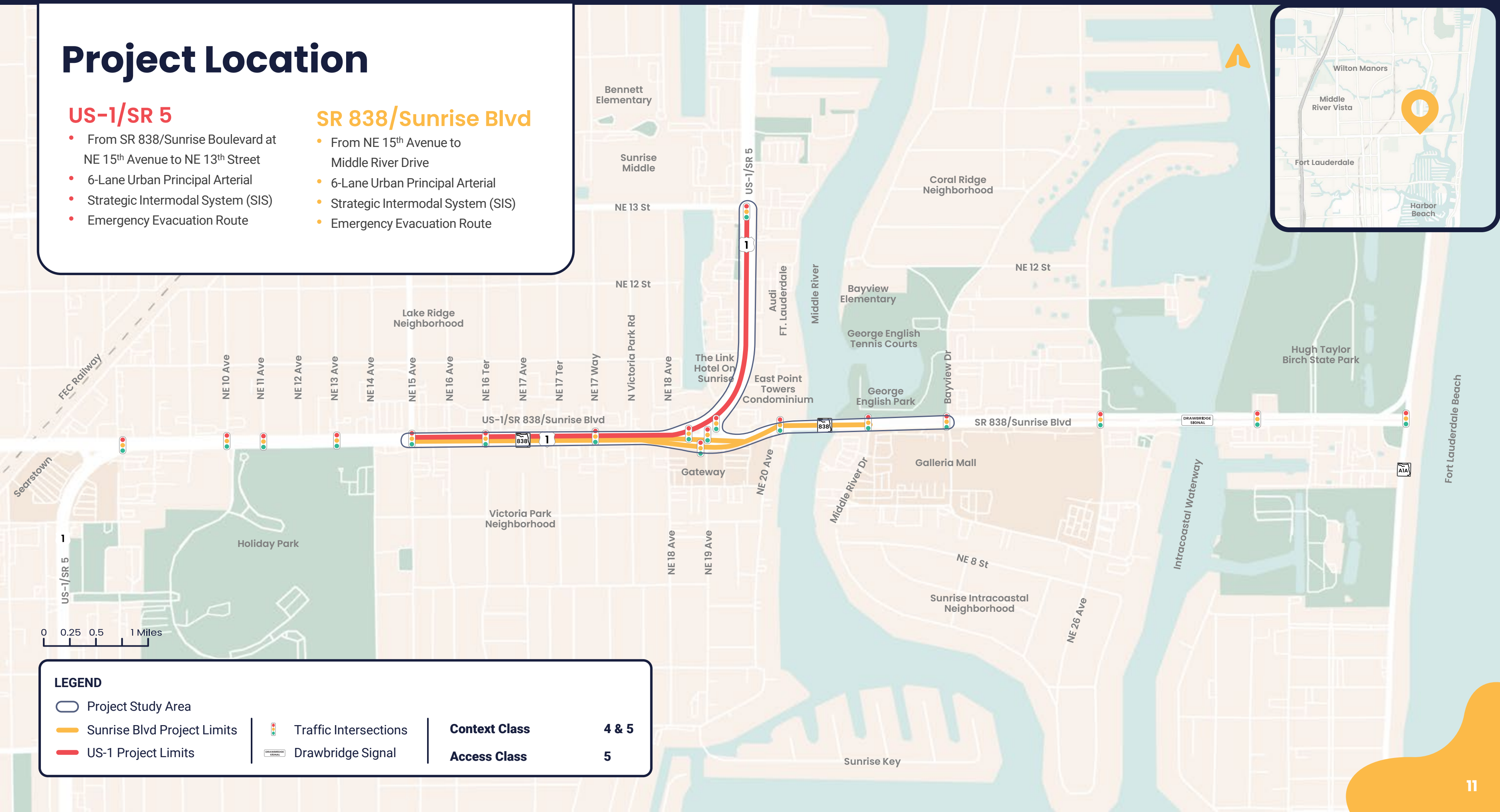
Project Location

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

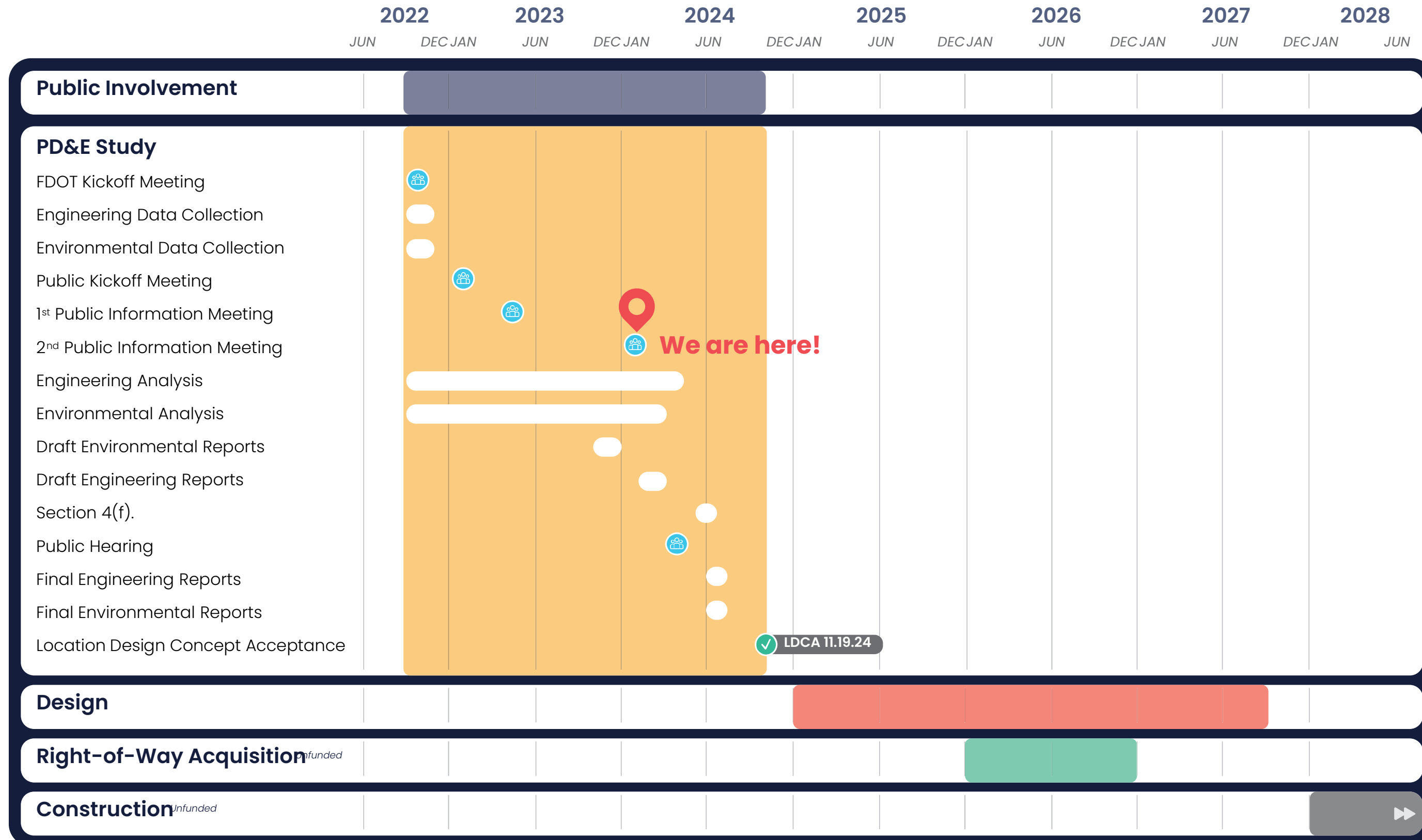
- From NE 15th Avenue to Middle River Drive
- 6-Lane Urban Principal Arterial
- Strategic Intermodal System (SIS)
- Emergency Evacuation Route



LEGEND

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

Project Timeline



02

Purpose & Need

Purpose

The primary purpose of the project is to increase **intersection** capacity and accommodate future multimodal travel demand and safety. This project will also increase system linkage, eliminate existing roadway deficiencies, improve multimodal interrelationships, and enhance safety for bicycles, pedestrians, and transit modes.



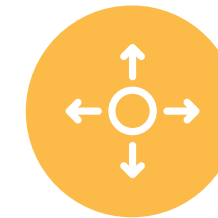
Intersection Needs



Emergency Evacuation & Response



Modal Interrelationships



Capacity

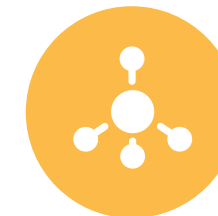
- Consider all movements all modes



Transportation Demand



Safety



System Linkage

03

Alternatives Moving Forward

Presentation of Alternatives

WORKSHOP FORMAT

- Each alternative will be presented one at a time.
- Interactive feedback is **encouraged** for each alternative.
 - Please ask questions and make comments as you feel necessary.
 - At the conclusion of the presentation of alternatives we will show the comparative evaluation summary.
- Based on public feedback, the **alternatives may be refined and enhanced**.

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

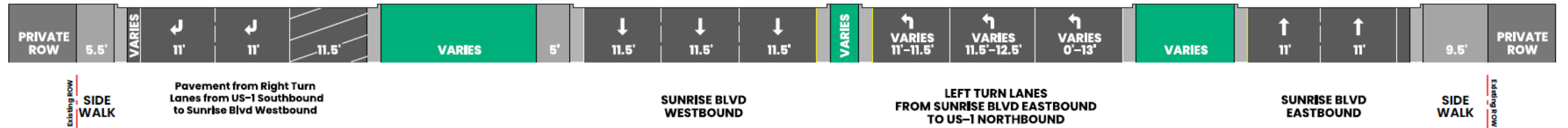
CONST. COST* (\$)	RIGHT-OF-WAY IMPACTS (Properties & Area)	OVERALL INTERSECTION DELAY (Seconds)	OVERALL VEHICLE THROUGHPUT (No. of Vehicles)	BICYCLISTS & PEDESTRIANS (Type of Facility)
0	None	49.7	5111	6' Sidewalks

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



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

TYPICAL SECTION



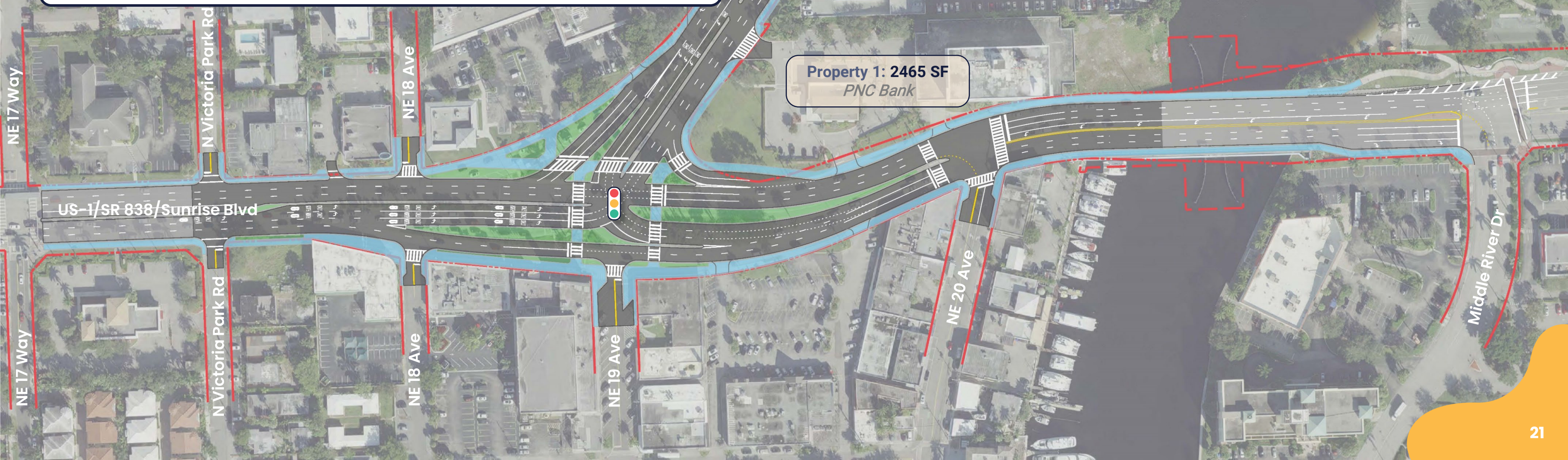
Alternative 3. Eastbound Triple Left Signalized At-Grade T

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

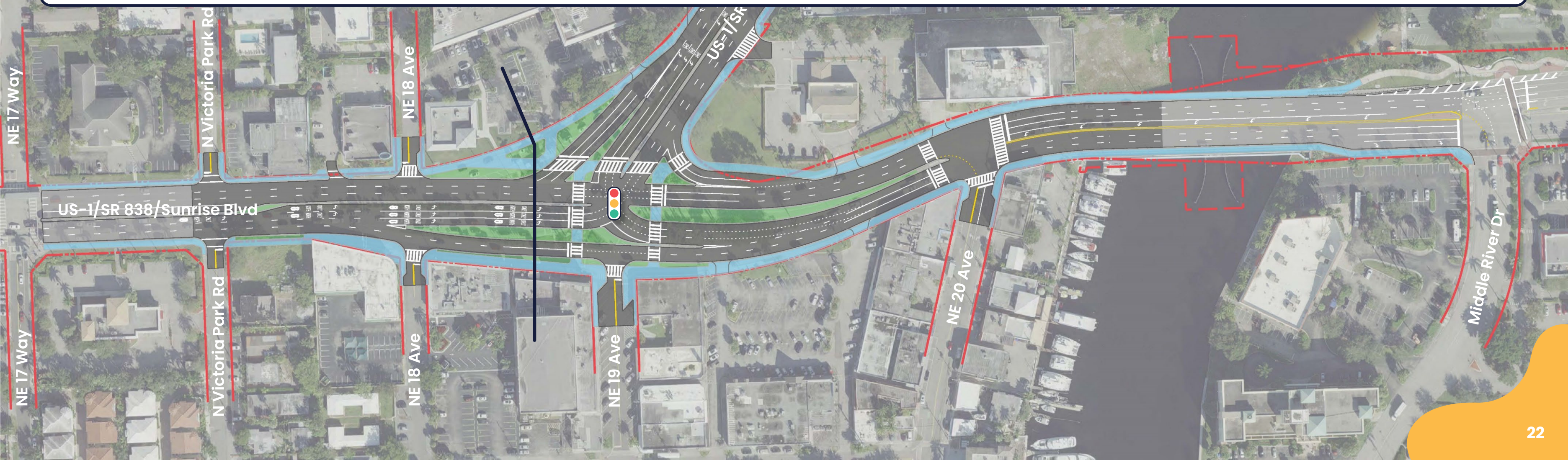
LEGEND

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



Alternative 3. Eastbound Triple Left Signalized At-Grade T

TYPICAL SECTION





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

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

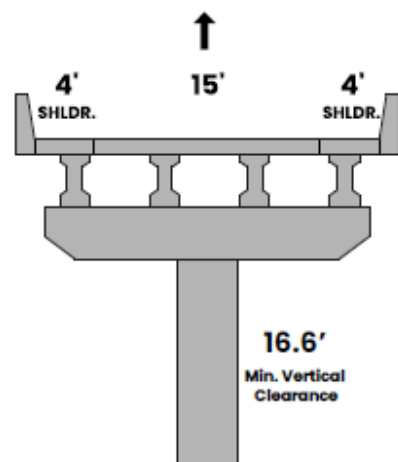
-  Existing Roadway Right-of-Way Line
-  Proposed Road Widening or Reconstruction
-  Proposed Road Resurfacing
-  Proposed Bike/Ped Shared Use Path
-  Proposed Green Area
-  Proposed Overpass Bridge



Alternative 6.1

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

TYPICAL SECTION



NE 17 Way

NE 17 Way

N Victoria Park Rd

NE 18 Ave

NE 19 Ave

NE 20 Ave

Middle River Dr

US-1/SR 838/Sunrise Blvd



Alternative 6.1
Overview
Looking North



Alternative 6.1
Overview
Looking South



Alternative 6.1
Close-Up
Looking Southwest



Alternative 6.1

Close-Up

Looking Southeast



Alternative 6.1
Person View
Looking Northeast from theatre







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

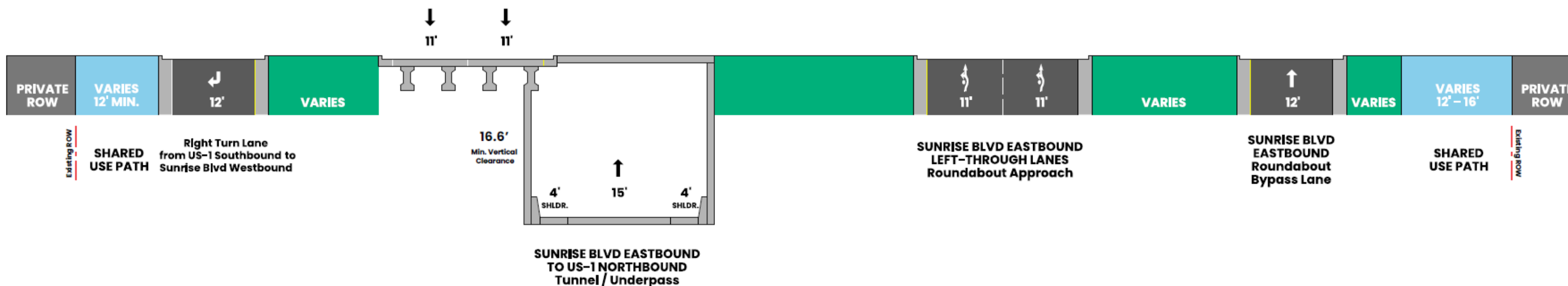
-  Existing Roadway Right-of-Way Line
-  Proposed Road Widening or Reconstruction
-  Proposed Road Resurfacing
-  Proposed Bike/Ped Shared Use Path
-  Proposed Green Area
-  Proposed Underpass Structure



Alternative 6.2

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

TYPICAL SECTION



NE 17 Way

NE 17 Way

N Victoria Park Rd

NE 18 Ave

NE 19 Ave

NE 20 Ave

Middle River Dr

US-1/SR 838/Sunrise Blvd



Alternative 6.2
Overview
Looking North



Alternative 6.2
Overview
Looking South



Alternative 6.2
Close-Up
Looking Southwest



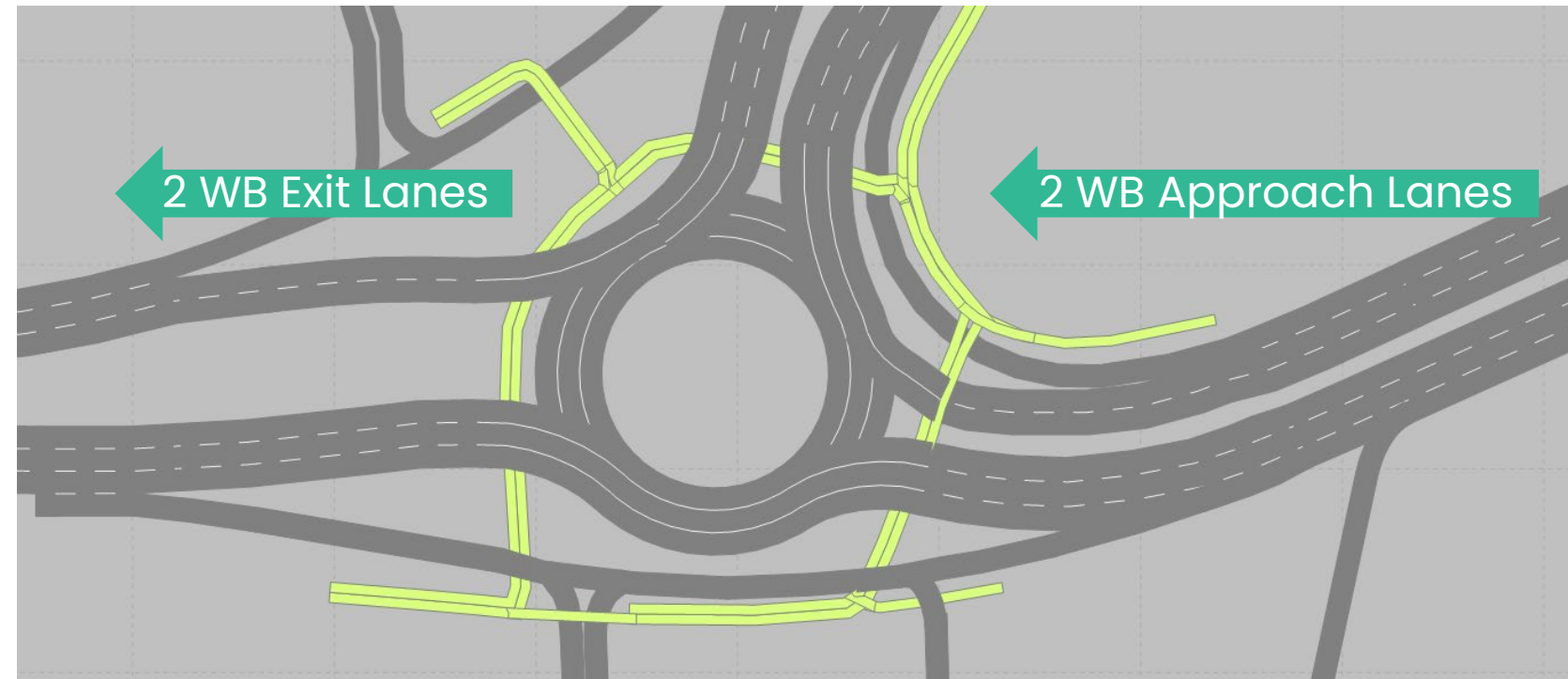
Alternative 6.2
Close-Up
Looking Southeast



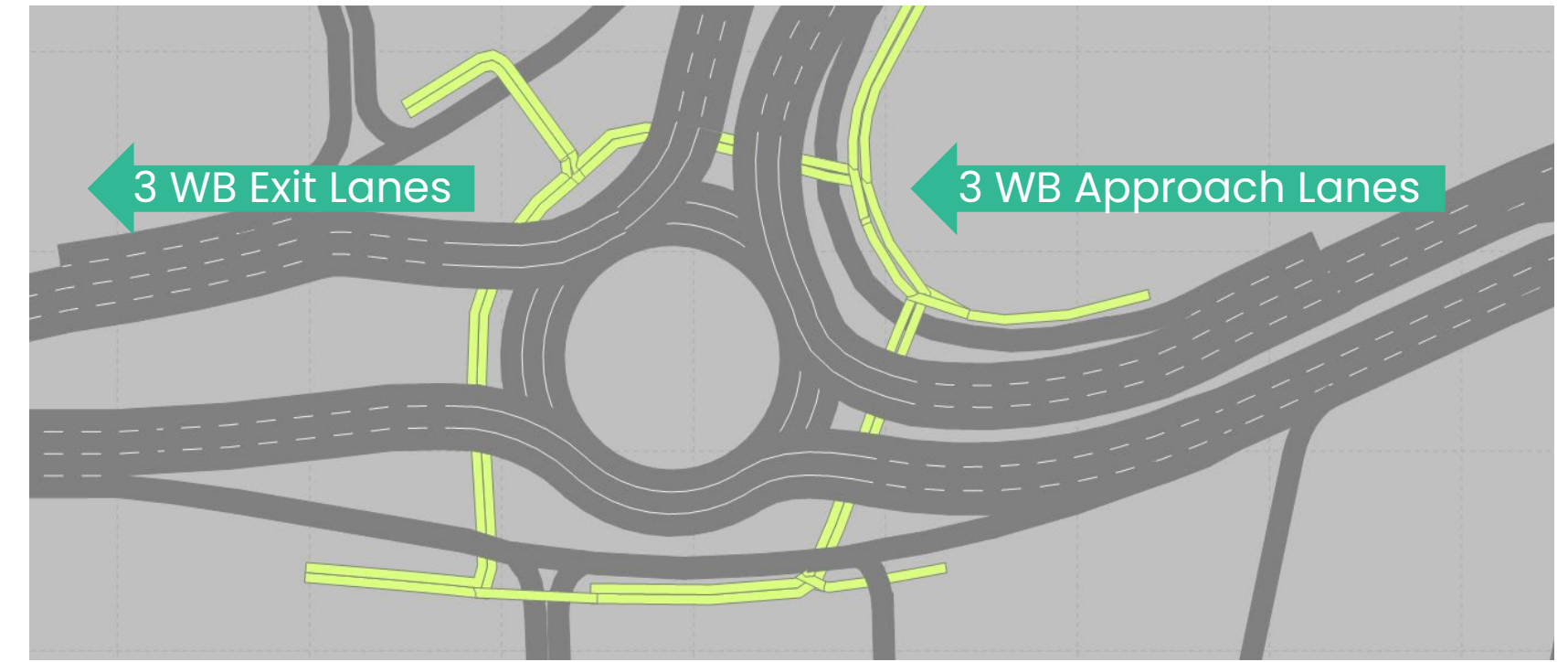
Alternative 6.2
Person View
Looking Northeast from theatre

At-Grade Roundabout Operational Analysis Results

Version 1



Version 2



At-Grade Roundabout Version 1 and Version 2 Compared to No-Build Alternative 1

Movement Level of Service (LOS) & Delay (2045 Weekday PM Peak Hour)		No Build: Alternative 1			At Grade Roundabout Version 1 w/ Peds & RRFB			At Grade Roundabout Version 2 w/ Peds & RRFB		
		LOS	Delay (s)	Throughput (Veh)	LOS	Delay (s)	Throughput (Veh)**	LOS	Delay (s)	Throughput (Veh)**
US 1 at E Sunrise Blvd*	EBT	B	14.4	785	D	31	801	E	44	799
	EBL	F	90.9	1096	C	22	1109	C	25	1109
	WBT	E	63.4	856	F	192	426	F	197	579
	WBR	C	30.6	575	E	44	282	C	19	388
	SBL	F	87.5	466	C	23	474	D	33	470
	SBR	C	20.3	1149	B	12	1151	C	18	1148
	Overall	D	48.7	5125	E	39	4450	E	48	4702
E Sunrise Blvd at NE 20th Ave	EBT	C	21.0	1260	B	12	1278	B	14	1273
	EBR	B	19.8	57	A	9	59	B	12	58
	WBT	B	13.0	1335	F	286	691	F	197	936
	WBL	E	75.2	206	F	86	109	F	101	145
	NBL	F	85.7	97	F	2186	16	F	1517	28
	NBR	D	49.5	167	F	970	30	F	619	50
	Overall	C	24.9	3122	F	130	2183	F	112	2491

** The throughput for the At Grade Roundabouts were so low because the roundabout was so far over capacity that there was a complete system failure east of the main intersection. The queues were so large that the remaining vehicle were not able to enter the system.

04

Evaluation of Alternatives

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

Poll Questions

- 01** What alternative do you think is best?
- a) Alt. 1 (No Build)
 - b) Alt. 3 (Eastbound Triple Left Signalized At-Grade T)
 - c) Alt. 6.1 or 6.2 (Three-Leg Roundabout with Grade Separation)

- 02** If you chose option "c" above, which do you prefer?
- a) Overpass option
 - b) Underpass option
 - c) I did not choose option c

- 03** What is the primary reason for selecting the alternative you think is best?
- a) Cost
 - b) Impacts
 - c) Safety
 - d) Benefits
 - e) Combination of factors

- 04** If you answered "combination of factors" for the previous question, please provide details.
-
-

- 05** Would you like to modify, delete, or add anything to the alternative you selected for question #1?
- a) Yes
 - b) No

- 06** If you answered yes to the previous question, what would you modify, delete, or add?
-
-

- 07** Who do you represent?
- | | |
|--------------------------|--------------------------|
| a) Transportation agency | e) Resident |
| b) Elected official | f) Business |
| c) Municipality | g) Community association |
| d) Permitting agency | h) Other |

- 08** Which of the following describes you (mark all that apply)?
- a) I reside within the project limits.
 - b) I reside outside the project limits.
 - c) I work within the project limits.
 - d) I regularly drive through the project limits.
 - e) I regularly walk and/or ride a bicycle through the project limits.

05

Public Involvement

Public Involvement



Public Meetings

- Public Kick-Off Meeting
- Alternatives Public Workshops
- Public Hearing

Coordination Meetings

- Elected Officials
- Broward MPO Board
- City of Fort Lauderdale
- Broward County
- South Florida Water Management District (SFWMD)
- Florida Department of Environmental Protection (FDEP)

Informal Meetings

- Victoria Park
- Gateway Shopping Center
- Lake Ridge
- Lauderdale Isles
- Coral Ridge
- Sunrise Intracoastal
- Other Interested Stakeholders

Public Involvement

Get Involved!

Attend Public Meetings

- Agency and Public Kick-off Meetings
- Alternative Public Workshops
- Public Hearing
- Additional opportunities to be provided throughout the study

Provide Your Input

- Complete a **comment form** today
- Drop in a **comment box**
- **Mail comment** to the address listed on the form
- Provide comments on our **website**:
www.fdot.gov/projects/US1GatewayPDE



COMMENT FORM
Second Alternatives Public Workshop
State Road (SR) 5/US 1 at Sunrise Boulevard
Project Development and Environment (PD&E) Study
Financial Project ID: 441955-1-22-02
Efficient Transportation Decision Making (ETDM) Number: 14499

The Galleria at Fort Lauderdale, 2414 East Sunrise Boulevard, Fort Lauderdale, FL 33304
Wednesday, January 17, 2024, 5:30 p.m.

Please provide your comments below. If more space is needed, please use an additional sheet of paper. You may place your comments in the "comment box" provided at the meeting, or send to Kris McKirdy, P.E., FDOT Project Manager, at the address listed below, or via email at Kris.McKirdy@dot.state.fl.us.

Name _____
Address _____
City, State, Zip _____
Phone Number _____
Email _____

Mail to:
Kris McKirdy, P.E.
FDOT Project Manager
Florida Department of Transportation
3400 West Commercial Boulevard
Fort Lauderdale, FL 33309

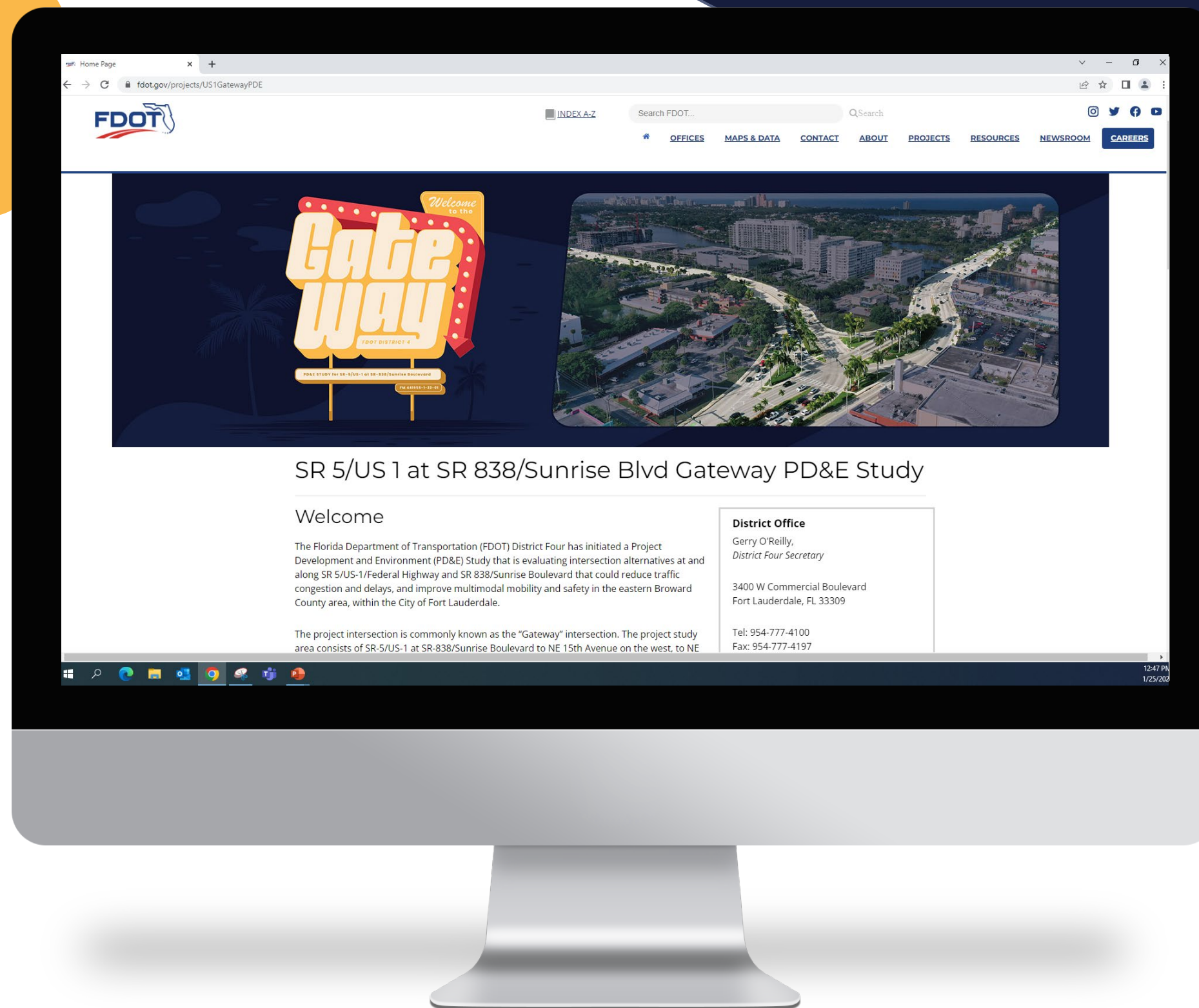
* This document is subject to public record laws and may be released to the media or public upon request.



Visit the Project Website

FDOT Website:
<https://www.fdot.gov/>

Project Website:
www.fdot.gov/projects/US1GatewayPDE



06

Questions & Answers

Submitting Comments & Questions

Multiple ways to submit:

- 01 Verbally by providing comments and questions during today's meeting.
- 02 Online at project website
www.fdot.gov/projects/US1GatewayPDE
- 03 By email to Project Manager
Kris.McKirdy@dot.state.fl.us
- 04 By US mail to Project Manager
Kris McKirdy
Florida Department of Transportation, District 4
3400 West Commercial Boulevard
Fort Lauderdale, Florida 33309

Project Website



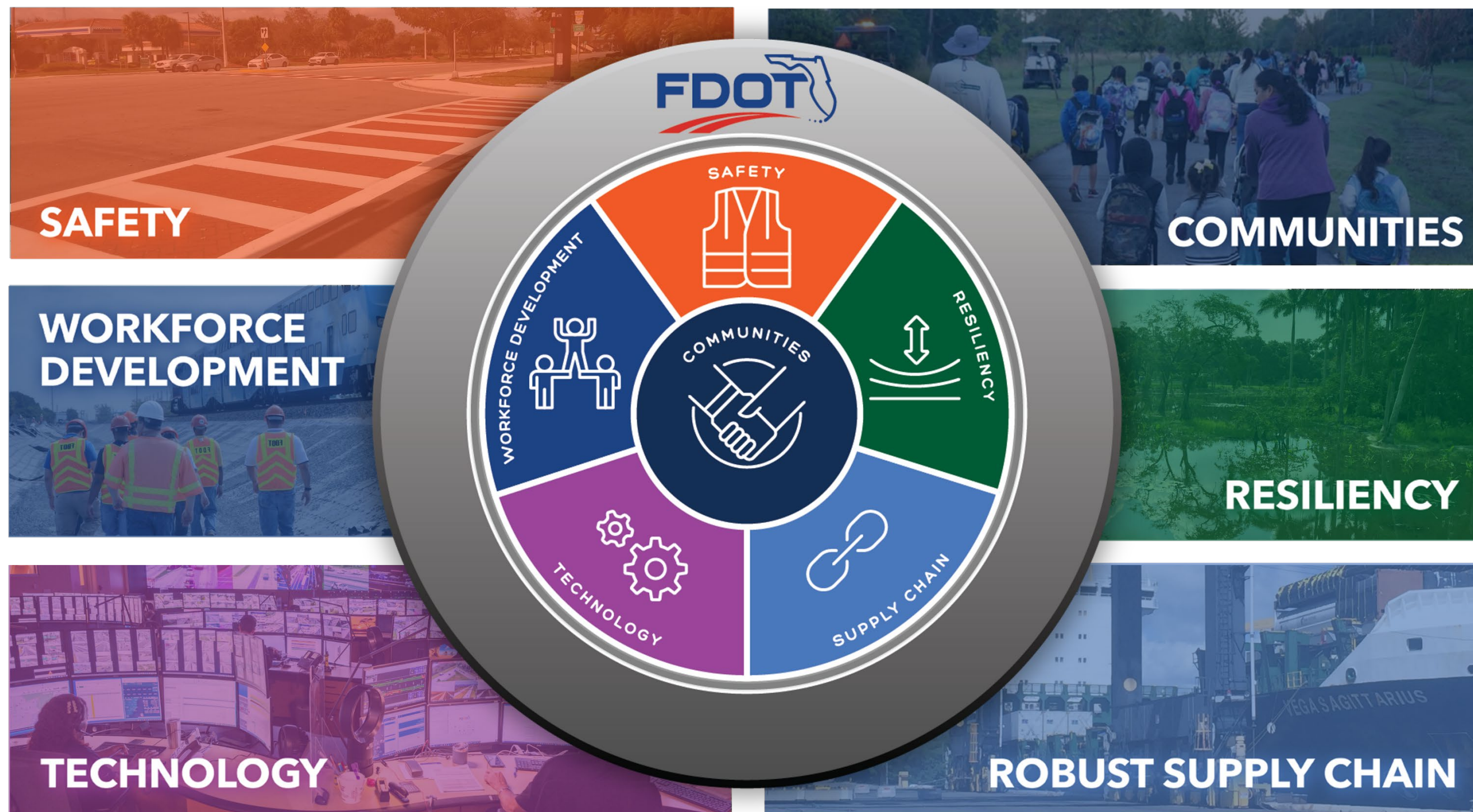
07

Next Steps

Next Steps



FDOT Compass



Safety Message

Move Over, Florida! Month
January 1-31st, 2024



**FOR MORE
INFORMATION
CONTACT US:**

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Project Manager

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Email: Kris.McKirdy@dot.state.fl.us

Project Website: www.fdot.gov/projects/USIGatewayPDE

**T H A N K
Y O U**