



WELCOME TO THE HYBRID PUBLIC KICK-OFF MEETING

OPEN HOUSE: 5:30 pm – 6:00 pm

Presentation begins at 6:00 pm

**SR 5/US 1 Long Key Bridge over Long Key Channel
(Bridge # 900094)**

Project Development and Environment (PD&E) Study

FPID 448206-1-22-01 | ETDM 14451

Si necesita traducción durante la reunión por favor comuníquese con nosotros. Si estas participando virtualmente, puede pedir ayuda utilizando el botón de mano levantada, o puedes pedir ayuda de traducción a través del chat y un miembro de nuestro equipo lo asistirá.

February 16, 2023



OPEN HOUSE: HYBRID PUBLIC KICK-OFF MEETING

Presentation begins at 6:00 pm

How to View Project Information

Tonight's open house will provide you an opportunity to review the project exhibits available in the **Handouts Pane** of the **Control panel** ahead of the presentation. Additional information is available for review on the project website or by scanning the QR Code provided on this slide.

<https://www.fdotmiamidade.com/LongKeyBridge.html>



OPEN HOUSE: HYBRID PUBLIC KICK-OFF MEETING**Presentation begins at 6:00 pm**

How to Participate Tonight

All attendees will participate in the same live **Public Kick-off Meeting**



Virtual

Virtually via a computer, tablet, or smartphone using GoToWebinar

Attendees will remain **muted** throughout the meeting except for the public comment period at the end of the presentation.



Dial-in

Dial-in Attendees are in “**listen only**” mode.

If you are calling via a smart phone, you will be able to raise your hand to provide comments at the end of the presentation.



In-Person

Marathon Government Center – BOCC
2798 Overseas Highway, 2nd Floor
Marathon, FL 33050

OPEN HOUSE: HYBRID PUBLIC KICK-OFF MEETING**Presentation begins at 6:00 pm**

Need Help with Anything?

Please let us know. Staff will be on-hand to assist during the meeting if you have a technical issue.

Type your issue in **Questions Pane** of the **Control Panel**. We will do our best to assist you.

Caroline.Sanchez@stantec.com

786-437-6762



OPEN HOUSE: HYBRID PUBLIC KICK-OFF MEETING

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**STAY
CONNECTED**

<https://www.fdotmiamidade.com/LongKeyBridge.html>

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SR 5/US 1 Long Key Bridge over Long Key Channel (Bridge #900094)

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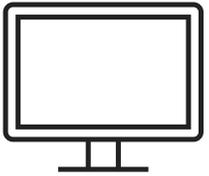
Hybrid Public Kick-off Meeting

February 16, 2023



HYBRID PUBLIC KICK-OFF MEETING

How to Participate



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Line up at the microphone to provide comments at the end of the presentation.

HYBRID PUBLIC KICK-OFF MEETING



Technical Assistance

Type your issue in the **Question Pane** of the control panel

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HYBRID PUBLIC KICK-OFF MEETING

Public Notice



Property owner/tenant notifications



Emails to project contacts list



FDOT Website



Florida Administrative Register



Newspaper Advertisements



Social Media

HYBRID PUBLIC KICK-OFF MEETING

Title VI Compliance

The proposed project is being developed in accordance with the Civil Rights Act of 1964. Under Title VI of the Civil Rights Act, public participation is solicited without regard to race, color, national origin, age, sex, religion, disability or family status.

Persons wishing to express their concerns relative to FDOT compliance with Title VI may do so by contacting either:

Nicholas Danu, P.E.

FDOT District 6 Title VI Coordinator

1000 NW 111 Avenue

Miami, FL 33172

(305) 470-5219

Nicholas.Danu@dot.state.fl.us**Stefan Kulakowski**

State Title VI Coordinator

605 Suwannee Street

Tallahassee, Florida 32399-0450

(850) 414-4742

Stefan.Kulakowski@dot.state.fl.us

HYBRID PUBLIC KICK-OFF MEETING

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 (FHWA) and FDOT.

HYBRID PUBLIC KICK-OFF MEETING

Federal, State, County, or City Officials in Attendance

HYBRID PUBLIC KICK-OFF MEETING

Meeting Agenda

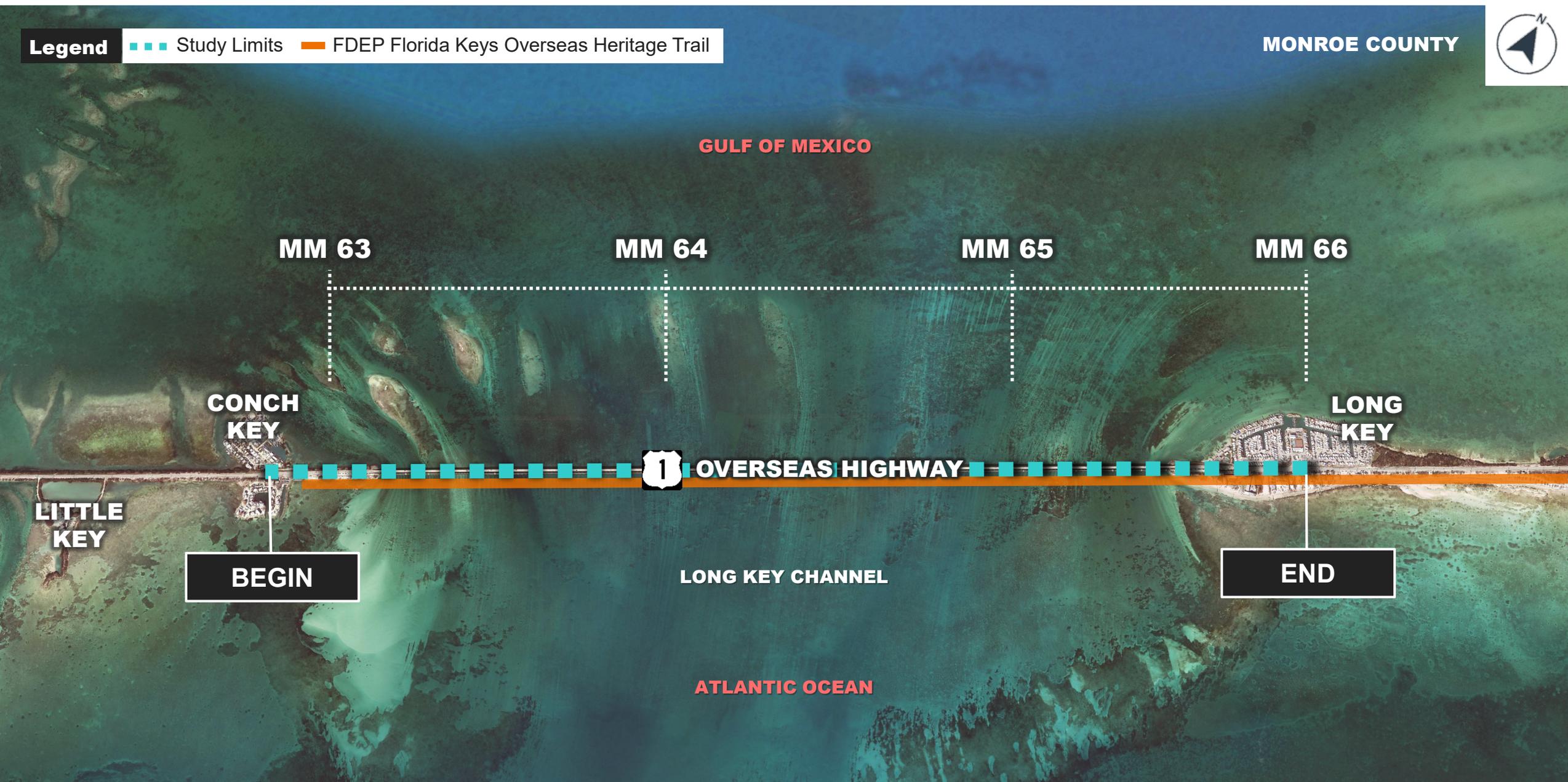
- Project Location
- Transportation Project Delivery Process
- Project Development and Environment (PD&E) Study Process
- Long Key Bridge Facts
- Project Purpose and Need
- Alternatives Evaluation Process
- Engineering and Environmental Analysis
- Agency Coordination
- Schedule
- Q&A

HYBRID PUBLIC KICK-OFF MEETING

Legend

- Study Limits
- FDEP Florida Keys Overseas Heritage Trail

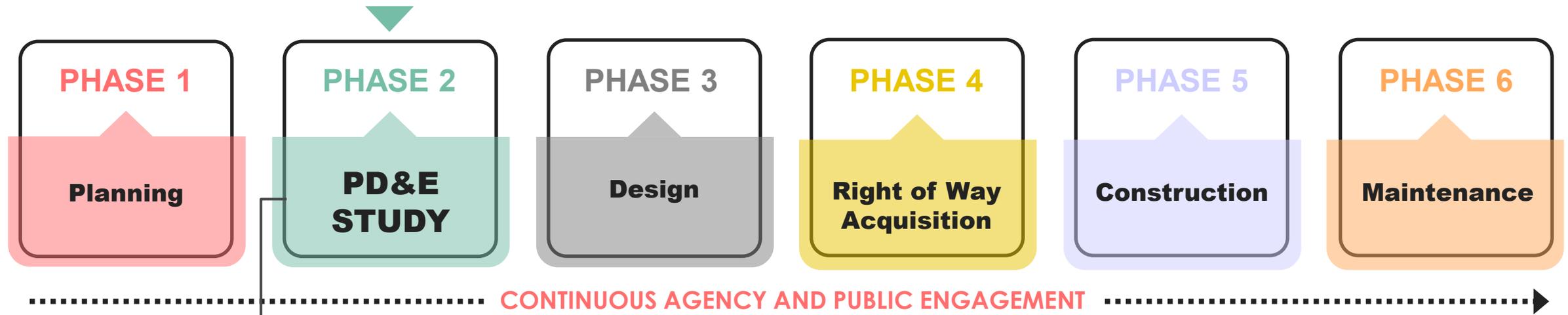
MONROE COUNTY



HYBRID PUBLIC KICK-OFF MEETING

Transportation Project Delivery Process

WE ARE HERE



Evaluate:

- Engineering Alternatives
- Environmental Impacts (Social, Cultural, Natural, and Physical Resources)

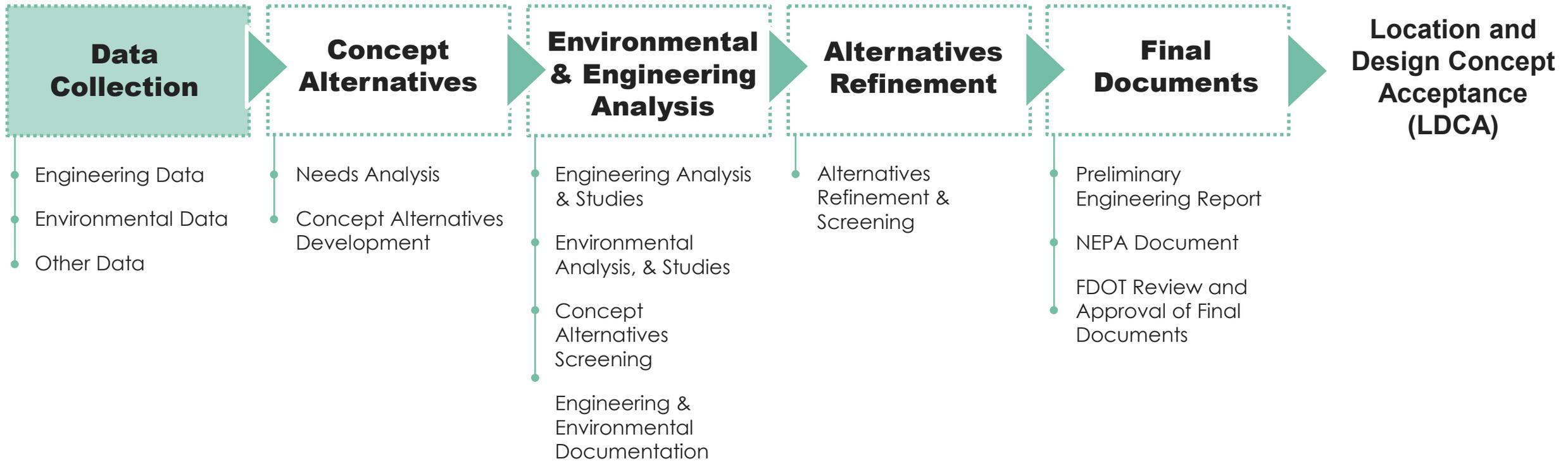
Comply with:

- National Environmental Policy Act (NEPA)
- Federal and State Environmental Laws
- Requirements Involving Federal Funding

HYBRID PUBLIC KICK-OFF MEETING

Project Development and Environment (PD&E) Study Process

Project Kickoff Meeting
February 16, 2023



CONTINUOUS AGENCY AND PUBLIC ENGAGEMENT

HYBRID PUBLIC KICK-OFF MEETING

Long Key Bridge Facts

Part of 110-mile Florida Keys Scenic Highway and All-American Road



View: North/Northwest



FDOT Existing Long Key Bridge

FDEP Existing Florida Keys Overseas Heritage Trail

Also known as the **Dante B. Fascell Bridge**



Year Constructed: 1981



Bridge Type: Precast Segmental Box Bridge



Vertical Clearance: 25.54 feet



Horizontal Clearance: 111.0 feet between piers



Bridge Length: 12,152 feet (2.3 miles)



Travel Lanes: Two 12-foot travel lanes



Shoulders: 6-foot paved shoulders on both sides of the bridge also function as undesignated bicycle lanes

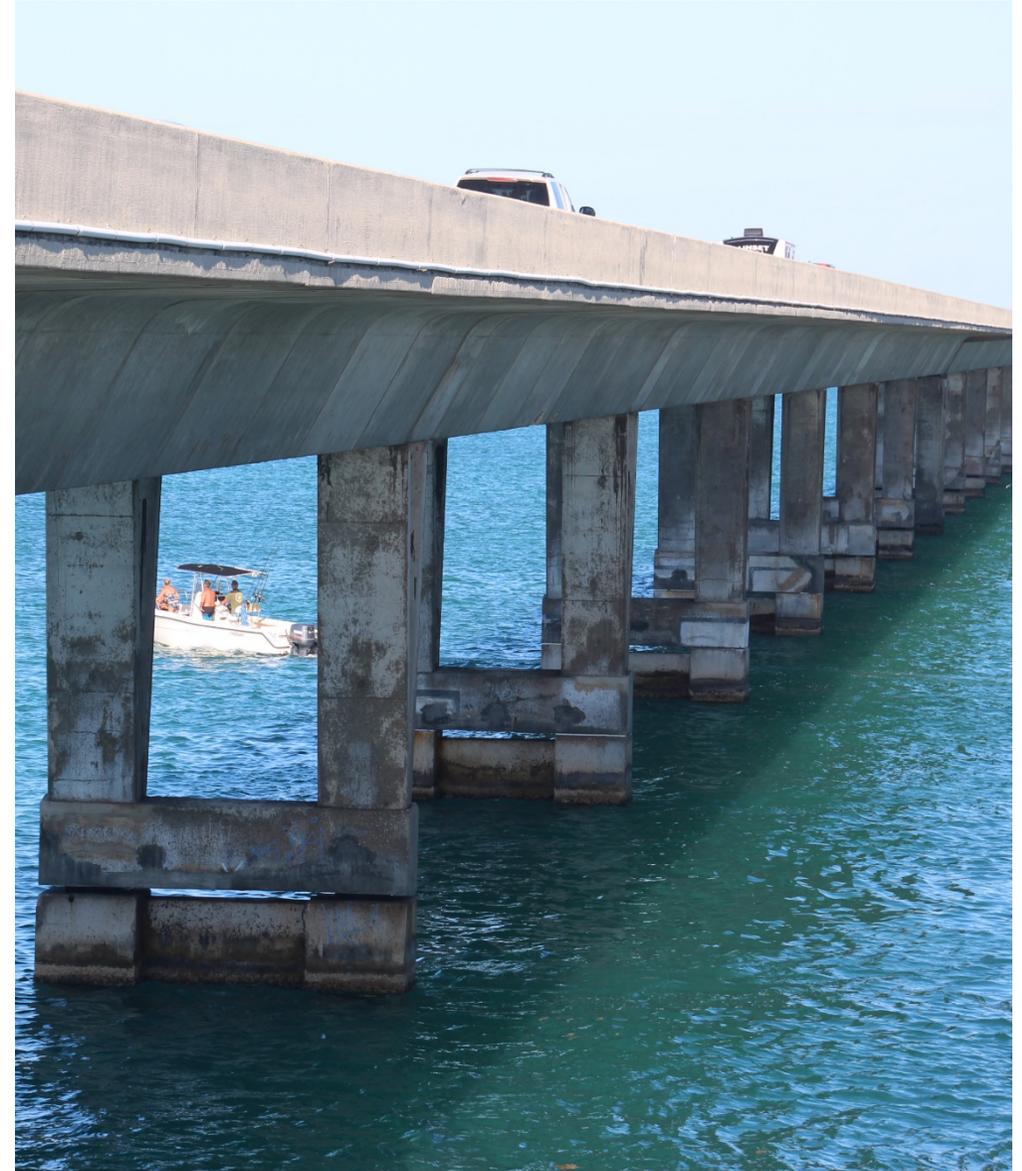


Sidewalks: No existing sidewalks

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Sufficiency Rating

- **Long Key Bridge Sufficiency Rating: 34.7**
- The Sufficiency Rating is a method established by the Federal Highway Administration to **evaluate the health of a bridge based on four factors:**
 1. Structural Adequacy and Safety
 2. Serviceability and Functional Obsolescence
 3. Essentiality for Public Use
 4. Special Reductions
- A Sufficiency Rating **less than 50** indicates the bridge is eligible for Federal Highway Bridge Program funding as a replacement
- ***A low Sufficiency Rating does not mean the bridge is unsafe***



HYBRID PUBLIC KICK-OFF MEETING

Bridge Deficiencies

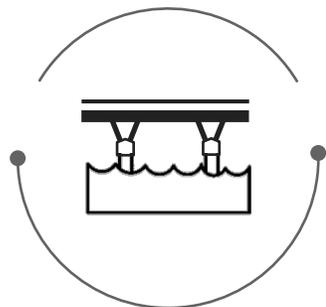
- **Not Structurally Deficient**
- **Functionally Deficient:** A bridge that is outdated and may be inadequate in one or all of the following:
 - Lane widths
 - Shoulder widths
 - Vertical clearances to serve current traffic demand
 - May be occasionally flooded
- **Long Key Bridge Durability and Maintenance**
 - Recurring corrosion issues/maintenance
 - Major Rehabilitation (5 times since constructed)
 - 12 Expansion Piers replaced in 2015
 - **Long Key Bridge Repair project begins February 2023 (FPID 441964-1)**



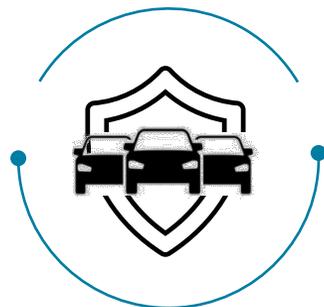
HYBRID PUBLIC KICK-OFF MEETING

Why is this Study Needed?

The purpose and need for this project is to evaluate the replacement of the Long Key Bridge to:



**Address
Bridge
Deficiencies**



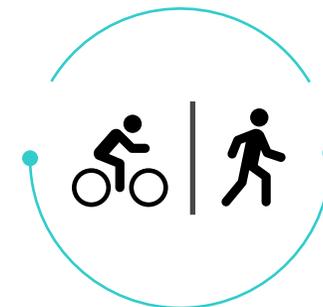
**Assess
Capacity and
Safety Needs**



**Evaluate
Mobility**



**Improve
Evacuation &
Emergency
Response**



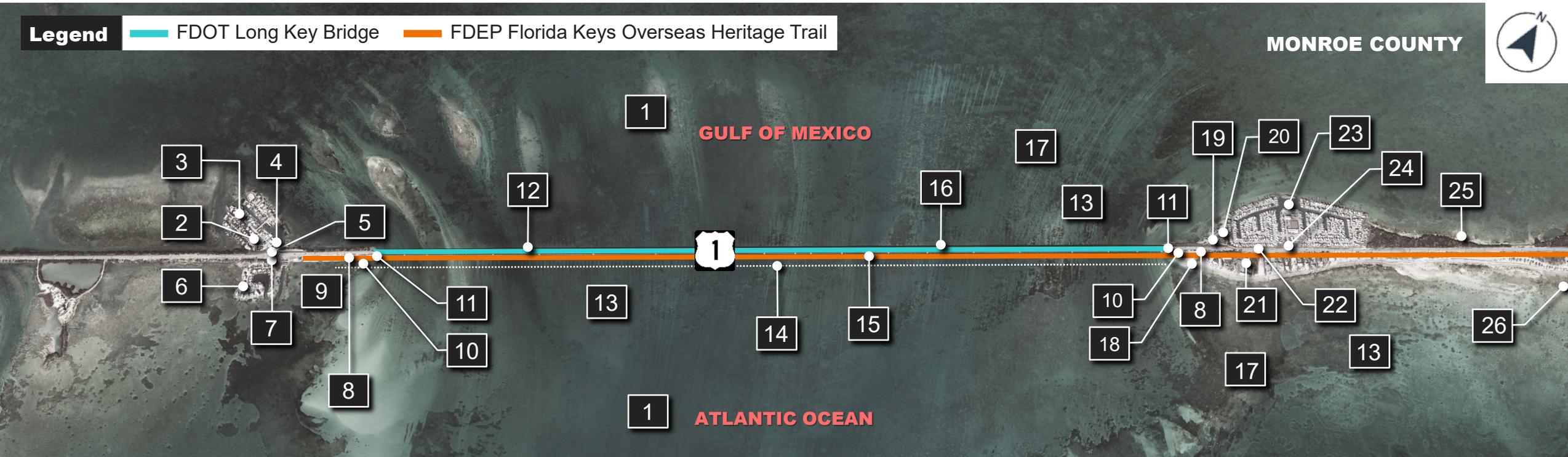
**Evaluate
Bicycle &
Pedestrian
Needs**

Anticipated Class of Action: Environmental Assessment

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Legend █ FDOT Long Key Bridge █ FDEP Florida Keys Overseas Heritage Trail

MONROE COUNTY



- | | | |
|--|---|--|
| <ul style="list-style-type: none"> 1. Florida Keys National Marine Sanctuary 2. Conch Key Fire Department 3. Conch Key Historic District 4. Conch Key Fishing Lodge & Marina 5. Conch Ave/Coral Key Entrance/US-1 Intersection 6. Coral Key Village 7. Driveway/US-1 Intersection 8. FDEP Overseas Heritage Trail Parking 9. Discontinuous Seagrass | <ul style="list-style-type: none"> 10. Seawall and Abandoned Water Main 11. FDEP Trailhead 12. FDOT Long Key Bridge SR 5/US-1 13. Florida Circumnavigational Saltwater or Florida Keys Paddling Trail 14. Florida Keys Electric Cooperative (OH Electric) 15. FDEP Overseas Heritage Trail Historic Bridge 16. Florida Keys Aqueduct Authority 30" Water Main Below Bridge Deck & Bridge Mounted Utility Conduit | <ul style="list-style-type: none"> 17. Continuous Seagrass 18. Possible Sea Turtle Nesting Area 19. Edgewater Lodge Entrance/US-1 Intersection 20. Edgewater Lodge 21. Long Key Fishing Club 22. Long Key Fishing Club Entrance/US-1 Intersection 23. Outdoor Resorts Long Key 24. Pelican Court/US-1 Intersection 25. FDEP Long Key State Park 26. USACE Shoreline Stabilization Project (under construction) |
|--|---|--|

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Alternatives Evaluation Process

No Action (or No Build) Alternative

- No improvements are made
- Serves as baseline for comparison of other alternatives

Transportation System Management and Operations (TSM&O) Alternative

Rehabilitation/Repair Alternative

- Serves as a baseline for comparison of the need to rehabilitate/repair to build alternatives

Build Alternatives

- Alternative 1: Existing (Center)
- Alternative 2: Atlantic Ocean (East)
- Alternative 3: Gulf of Mexico (West)

Alternatives Development



Alternatives Screening



Alternatives Meeting



Alternatives Presented to Public

Refine Alternatives



Public Hearing



Preferred Alternative Identified



HYBRID PUBLIC KICK-OFF MEETING

Engineering Analysis



Bridge

- Bridge Horizontal and Vertical Clearances
- Bridge Horizontal Alignment
- Bridge Type
- Bridge Hydraulics
- Bridge Aesthetics/Features
- Bridge Bicycle and Pedestrian Facilities

Roadway

- Roadway Alignment
- Heritage Trail Entrance Geometry
- Roadway Right of Way
- Shared Use Path and Bicycle Facilities
- Temporary Traffic Control
- Roadway Safety

Other Project Areas

- Utilities
- Drainage/Coastal Influences
- Geotechnical
- Constructability
- Miscellaneous Structures

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Environmental Analysis



Social and Cultural

- Economic
- Land Use
- Mobility
- Aesthetics
- Community Resources
- Section 4(f) Recreational Resources
- Historic and Archaeological Sites

Natural

- Wetlands and other Surface Waters
- Water Quality
- Wildlife and Habitat

Physical

- Noise
- Air Quality
- Contamination

HYBRID PUBLIC KICK-OFF MEETING



Agency Coordination

Cooperating Agency: US Coast Guard

Participating Agencies: The US Army Corps of Engineers and the Florida Keys National Marine Sanctuary

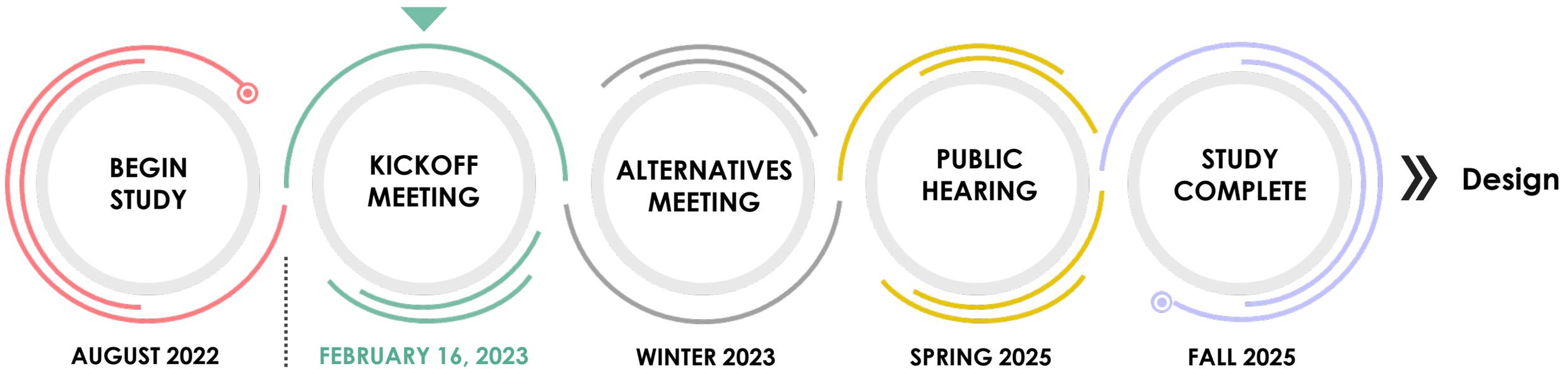


HYBRID PUBLIC KICK-OFF MEETING

Schedule is subject to change.

Where are We?

WE ARE HERE



Long Key Bridge Repair Project
(FM# 441964-1-52-01)
Begins February 2023

..... CONTINUOUS AGENCY AND PUBLIC ENGAGEMENT>

HYBRID PUBLIC KICK-OFF MEETING

**STAY
CONNECTED**

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 twitter.com/MyFDOT_Miami

 [youtube.com/user/MyFDOTMiami](https://www.youtube.com/user/MyFDOTMiami)

<https://www.fdotmiamidade.com/LongKeyBridge.html>



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Public Comment Period



Virtual Attendees

1. Type in **Question pane** on the Control Panel
2. Select the **Raise Hand** button on the control panel
 - Unmute your microphone when your name is called



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In-Person

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*On upper left of
GoToWebinar
Control Panel*



HYBRID PUBLIC KICK-OFF MEETING

After the Meeting

BAO-YING WANG, P.E., CPM **Project Manager**

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BaoYing.Wang@dot.state.fl.us

<https://www.fdotmiamidade.com/LongKeyBridge.html>



HYBRID PUBLIC KICK-OFF MEETING

Stay at the Scene Campaign

Stay at the scene and call for help. It's the law – you could save a life.

Information on a hit-and-run crash, report it by calling:

- Call *FHP (*347)
- Anonymously to Florida Crime Stoppers at **TIPS (**8477)
- Florida Crime Stoppers phone app, free in the Apple and Google Play stores

Learn more at flhsmv.gov/stayatthescene

The graphic features a red location pin icon with a white car and a crown inside. Below it, the text "STAY @ THE SCENE" is written in red. The main graphic is a vertical panel with a light blue background and rounded corners, containing three panels of illustrations. The top panel shows a car crash with the text "If you're involved in a crash, you MUST stay at the scene." The middle panel shows a hand holding a phone with a red starburst, with the text "DON'T HIT-and-RUN! It's the law" and a circular inset showing a person in a jail cell. The bottom panel shows a car on a road with smoke, with the text "Stay at the scene and call for help. You could save a life." At the bottom of the panel is the URL "flhsmv.gov/stayatthescene".

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THANK YOU FOR ATTENDING!

Hybrid Public Kickoff Meeting

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