

**Miami River Commission  
Meeting Minutes  
January 6, 2020**

The Miami River Commission (MRC) public meeting convened at noon, January 6, 2020, 1407 NW 7 ST.

**Miami River Commission (MRC) Policy Committee Members and/or Designees attending:**

Horacio Stuart Aguirre, MRC Chairman, Appointed by Governor Scott

Patty Harris, designee for Governor

John Michael Cornell, designee for Member at Large Appointed by the Governor

David Maer, designee for Miami-Dade ST Attorney Fernandez-Rundle (left early for trial)

Philip Everingham, designee for Miami Marine Council

Neal Schafers, Downtown Development Authority

Richard Dubin, designee for the Miami River Marine Group

Sandy O’Neil, designee for Greater Miami Chamber of Commerce

Roselvic Noguera, designee for Sara Babun

Tom Kimen, designee for Neighborhood Representative appointed by City of Miami

**MRC Staff:**

Brett Bibeau, Managing Director

**Others attending interested in the River:**

Please see attached sign in sheets.

**I) Chair’s Report – MRC Chairman Horacio Stuart Aguirre**

The Miami River Commission’s 2019 Annual Report has been distributed. I thank all of the players whom helped our team have another successful year improving the revitalized Miami River District.

The free 24<sup>th</sup> Annual Miami Riverday will be held April 4, 2020, featuring free Miami River boat rides, live music, environmental education, historic re-enactors, children activities, food, drinks, and more. Sponsorships are currently available.

In addition, advertisements are currently for sale in the 17<sup>th</sup> Annual Miami River Map and Guide, which is released at Miami Riverday.

On behalf of MRC Vice Chairman Frank Balzebre, MRC Director Bibeau provided the following update on the Miami River Voluntary Improvement Plan (VIP):

The Miami River Commission has been actively assisting the efforts of the City, County, State, and private sector to clean up the Miami River District.

The MRC thanks the 12 Hands on Miami Volunteers, whom on December 20 maintained the public Riverwalk's community vegetable and fruit garden, and picked up garbage along the Miami River's shoreline here at Robert King High.

I thank the estimated 40 volunteers from "Off the Hook" whom on Saturday, January 11, will be picking up garbage along the shoreline in Sewell Park.

I thank the estimated 40 volunteers from Carrolton School whom on Thursday, January 30, will be picking up garbage along the shoreline along Curtis Park's public Riverwalk.

## **II. City of Miami Informational Presentation Regarding Corrective Action Zoning Amendment at 1535, 1545 1583 NW 24 Ave**

Sue Trone, City of Miami Planning Department, presented the City of Miami's application for a corrective action zoning amendment at 1535, 1545, 1583 NW 24 Ave. Ms. Trone distributed the City of Miami Planning Department's "Analysis for Rezone". Ms. Trone stated consistent with the current Port Miami River Land Use and court cases, the majority of the site should be zoned D3, Marine Industrial, which the City is correcting and designating at this time. Doing so will allow the processing of permit applications for uses consistent with the Marine Industrial D3 zoning and Port Miami River Land Use.

Andrew Dickman Esq stated he is representing Antillean Marine and the Miami River Marine Group. Mr. Dickman stated they are preparing for a conference call with the City to further review and discuss this issue prior to its consideration by the City Commission at 2<sup>nd</sup> reading. Mr. Dickman stated they generally have no objections, and want to confirm the item will have no negative impacts on the Port Miami River Category A (more restrictive) land use and consent decrees. Mr. Dickman stated, "The city and the industry are working well together after years of litigation. We don't disagree with the compromise."

Mr. Jorge Navarro, Greenberg Traurig, stated the property owner supports the City of Miami's application for this corrective action zoning amendment.

MRC Chairman Aguirre stated the MRC will issue an updated letter based on this presentation.

## **III. Informational Update Regarding Scavenger Water Decontamination Vessel Services**

Ms. Sophie Mastriano distributed and presented a report summarizing the Scavenger Vessel's accomplishments in 2019 including:

- Removed 9,073 cubic feet / 336 cubic yards / 201 tons of trash



- Decontaminated 1.2 billion gallons of water (600,000 gallons per hour)
- Injected 293 million liters of oxygen into the water, (150,000 liters per hour)

The report noted Water Management Technologies Inc donated 357 hours of services, with a value of \$71,400. The services destroy fecal coliform, cyanobacteria, bacteria, neutralizes viruses, balances phosphates and nitrates, reduces turbidity, improves water quality, eliminates odors, destroys algae growth, increases dissolved oxygen, and removes surface debris including some hazards to navigation including dock planks, 55-gallon oil drums, and large tires.

Ms. Mastriano stated the vessels contract renewals will be considered by the City and County in January, and thanked the MRC for their continued support. Mr. Luis Fernandez, DERM, stated he is the County's contract manager and the County is very pleased with the provided successful services. MRC Managing Director Bibeau thanked Commissioner Higgins, Mayor Gimenez, and Board of County Commissioners, and the City of Miami Commission whom recently approved funding in the County's and City's current budgets to renew their respective contracts for the continued Scavenger Water Decontamination Vessel services, which are providing significant needed improvements.

#### **IV. Update Regarding Shoreline Cleanups**

MRC Director Bibeau stated per the code the individual property owners are legally responsible for the maintenance of their riverfront areas. Director Bibeau noted although the MRC doesn't own any property, they hire a professional company to pick up garbage, remove invasive plant species, weed whack, trim bushes, paint over graffiti and pressure wash along the Miami River. An average day features 4 workers using 2 pickup trucks. In 2019 this effort resulted in the removal of 196,800 pounds of garbage, and in FY 2019 the Miami River Fund Inc budgeted over \$150,000 for this continued effort.

#### **V. Miami River Commission Subcommittee Reports**

##### **A. Greenways Subcommittee**

Since the City and County's adoption of the *Miami River Greenway Action Plan*, of the planned 10-mile public Miami River Greenway, 6.5 miles are complete. Currently 7 sections of the public Riverwalk are under construction at River Landing, Miami River Walk, Aston Martin, 1 ST Bridge, One River Point, Gramps by the Bay, and Riverside Miami. The MRC thanks the FDOT for awarding \$2 million in 2 federal grants to the City of Miami to construct the next section of the public Miami River Greenway. The MRC is pursuing multiple public and private funding sources for the remaining funding needed to construct and help maintain the remaining sections of the public Riverwalk.

##### **B. Stormwater Subcommittee**

The MRC Stormwater subcommittee's December 4 public meeting minutes were distributed. The MRC is making progress with agency partners on the MRC's recommendation to conduct needed maintenance dredging in the Tamiami Canal. More to come in the near future.

## **VI. New Business**

MRC Director Bibeau distributed updated lists of all “new” residential developments (since 2000) along the Miami River, totaling 9,410 residential units completed or under construction, and an additional 6,667 residential units previously approved or undergoing permitting.

In addition, MRC Director Bibeau distributed updated lists of the restaurants along the Miami River Greenway (both Riverwalk and on-road Greenway), totaling 23 open restaurants, 10 restaurants under construction, 8 available restaurants and 13 planned restaurants to be constructed.

The meeting adjourned.

**Miami River Commission  
 Public Meeting**

Monday, January 6, 2020  
 Noon  
 1407 NW 7 ST  
 Miami, FL

<u>NAME</u>	<u>ORGANIZATION</u>	<u>PHONE &amp; E-MAIL</u>
Cathy Butler	Ryk Merrill Stevens Ship Yard	Cathy@rmkms.com 305-324-5211
EDDIE RODRIGUEZ	2924 NW 10th Dr LLC	00PRADICMAR@GMAIL.COM 754-232-4370
MARC MASTRIANO	Scavenger Vessels	marc@scavenger vessel.com
SOPHIE MASTRIANO	Scavenger vessels	sophie@scavenger vessel.com
Brian Dombrowski	GT	Dombrowski.B@GTLAW.com
Jorge Navarro	GT	Navarrog@GTLAW.com
CATHERINE LACKNER	MIRIAM TODY	clockner@gmail.com
Matthew Dickman, Esq	Dickman Law Firm	ad@ad@dickmanlawfirm.com
Maki Barber	MRMC	maki@mrmc.com
Sue Trone	City of Miami	
Britany Zremb	Citizens for a Better South FL	Britany@abettersouthfla.org
Martina Barrientos	" "	Martina@abettersouthfla.org

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Monday, January 6, 2020  
Noon  
1407 NW 7 ST  
Miami, FL

<u>NAME</u>	<u>ORGANIZATION</u>	<u>PHONE &amp; E-MAIL</u>
Sandy O Neil	GMCC	oneilse@bellsouth.net
Brett Bibeau	MRC	305 644 0544
DAVID MAER	SAD/MRC	davidmaer@miamisad.com
Roselee Nojima	MRC	305 633 6361 rnojima@outlook.com
PATRICIA HARRIS	MRC	PATYKAKE@GMAIL.COM
Tom Kimer	MRC	TKimer3@aol.com
Richard Dubin	MRC	Ameriship1@AOL.COM
PHIL EVERINGHAM	MRC/MARINE COUNCIL	pbemsdd@hotmail.com
Horacio Stuart Aguirre		Horacio@hsaguirre.
JOHN CORNELL	MRC	jmccornell@zerobyinterests.com
NEAL SCHAFERS	Miami DDA	Schafers@miamidda.com
RICK VEBER	MIAMI RESIDENT	786 858 2592 richardveber@yahoo.com

# **Miami River Commission's Urban Infill and Greenways Subcommittee January 14, 2020 Minutes**

The Miami River Commission's (MRC) Urban Infill and Greenways subcommittees conducted a public meeting on January 14, 2020, 3 PM, 1407 NW 7 ST. The attendance sign in sheets are enclosed. MRC Urban Infill Subcommittee Chairman Jim Murley conducted the public meeting.

## **I. Miami Dade County Public Housing and Community Development Presentation Regarding "River Parc" Development at 1407 NW 7 ST**

Urban Infill Subcommittee Chairman Murley stated he works for Miami-Dade County, therefore he will run the meeting but will not issue a non-binding suggestion for the full MRC boards consideration. Chairman Murley stated he wants to focus on the Riverfront components of the proposal. Miami-Dade County Public Housing and Community Development (PHCD) Director Michael Liu and Albert Milo Jr, Related Urban, distributed copies of the "River Parc Master Plan (1.06.2020)". Mr. Carlos Salas, President of the Spring Garden Civic Association asked for the item to be deferred because he hadn't met with the presenters. The presenters agreed to meet with the Spring Garden Civic Association before this item is considered at the full MRC's February 3 public meeting, noon, 1407 NW 7 ST. Urban Infill Chairman Murley stated this preliminary public MRC subcommittee meeting will provide the public with an opportunity to receive the distributed plans, upcoming presentation, and an opportunity for the public to communicate with the presenters.

PHCD Director Liu stated the proposal will provide needed affordable housing, in partnership with the private sector development partner. Director Liu stated the 1<sup>st</sup> building is complete and the 2<sup>nd</sup> building is currently under construction. Mr. Milo stated numerous previous public meetings were held regarding the proposal, which per the distributed plans feature:

- 1) Public Riverwalk and waterfront building setbacks consistent with the City of Miami Zoning Code Section 3.11 and Appendix B, connecting to the east with NW 13 Ave and to the west under I-836, and featuring security as supported by the residents
- 2) Art in Public Places
- 3) Multi-Purpose Room
- 4) Gym
- 5) Courtyards
- 6) Paseos
- 7) River Plaza (x2)
- 8) "Triangle Park"
- 9) "Waterfront Park"
- 10) "Linear Park"
- 11) Restaurant / Commercial Space (details TBD)

**PUBLIC DOCUMENT**

PHCD Director Liu stated PHCD will submit an application in the current grant cycle to the Florida Inland Navigation District for a 50% cost share for the proposed new needed and code required seawall and public Riverwalk.

Mr. Milo stated the proposal is consistent with the existing land use, T6-8 zoning and Sections 3.15, 3.11, and Appendix B.

The following email was distributed:

“My compliments to the development team! I wanted to make a couple of points regarding the site plan. I make these points not to hinder the process, but to let stakeholders know that the City will ensure that the following items will be independently confirmed phase by phase:

1. Setbacks: all structures are subject to 50' waterfront setbacks, specifically, there is 50' open to the air from the mean high water line.
  - a. Access: Within the setback, a publicly accessible Riverwalk will be included per City of Miami design guidelines.
  - b. Waiver of setback requirements may be granted by the City Commission via a Planning Department application.
2. Special uses: Additional Special permits specific to individual phases and structure will be required as development progresses, i.e. outdoor dining and affordable housing special benefits.

Hopefully, this assurance and requirements will allow the overall masterplan to proceed and allow the River Commission to focus on the items in their purview without being distracted by details which will be under separate future applications.

Best regards,  
Jeremy Calleros Gauger  
Deputy Director, Planning Department  
City of Miami”

Nancy Jackson, Office of Commissioner Higgins, stated Commissioner Higgins support the proposal.

Theo Long, adjacent Grove Park Neighborhood homeowner immediately west of the subject site asked if the depicted dock is part of the proposal, and Mr. Milo replied conceptually and that he rules of the Manatee Protection Plan etc. will apply to the County and the team will bring more details in the future. Ms. Long and Mr. Milo stated support for the concept of water transportation, and Mr. Salas objected to water transportation. Ms. Long suggested saving the sites larger trees, and Mr. Milo replied many of the trees are being maintained in the various park spaces etc., and new trees are being planted including some native trees and plants.

Mr. Salas, President of the Spring Garden Civic Association (north side of the Miami River east of 12 Ave), stated they object to the proposed restaurant. Mr. Milo pledged the commercial / restaurant space will not include a night club. Mr. Salas asked for more detailed information regarding the public Riverwalk, number of units, etc

## **II. Update Regarding Waterborne Transportation**

Andrew Schimmel, City of Miami Department of Real Estate and Asset Management, distributed and presented a "Waterborne Transportation - Overview" presentation. Mr. Schimmel stated Miami-Dade County has spearheaded the effort by reaching out to the City of Miami and City of Miami Beach to create a 2 stop dedicated water transportation route between a location on Miami Beach (TBD) and the City of Miami's selected location, which is the City owned seawall along the public Riverwalk at the Hyatt Hotel, which is adjacent to the "Riverwalk" Metro-Mover station and a large public parking lot. The vessel will not require openings of the Brickell Bridge. The County administrations proposed private sector vessel is climate controlled and holds 149 passengers. Mr. Schimmel stated the County will be subsidizing fares for residents. Mr. Schimmel stated the vessel will depart every 20 minutes, and will reduce vehicular traffic. Mr. Schimmel stated there is a potential for future expansions of waterborne transportation. Mr. Schimmel noted he expects to be joined by Irene Hegedus, Miami Dade County, when this item is presented to the full MRC's February 3 public meeting, noon, 1407 NW 7 ST.

## **III. New Business**

The meeting adjourned.



**Miami River Commission's  
 Urban Infill and Greenways Subcommittees**

Tuesday, January 14, 2020  
 3:00 PM  
 1407 NW 7 ST  
 Miami, FL

<u>NAME</u>	<u>ORGANIZATION</u>	<u>PHONE &amp; E-MAIL</u>
Andrew Schimmel	CITY of MIAMI	305.416.1457 / ASCHIMMEL@MIAMI.GOV.COM
Octavio Marin	MDC DTPW	305.375.4664 / OCM@MIAMI.DADE.GOV
LEANDRO OÑA	MDC-DTPW	(305)3751909 / LJO@MIAMI.DADE.GOV
Michael Lill	PHCD Director	786.469.4106
Jim Murley	MDC-	305-375-4811 James.Murley@miamidade.gov
Theodora Wong	Grove Park Homeowners	305-401-4595 along@mindspring.com
Nancy Jackson	MDC DS	305-213-0119 nancy.jackson@miamidade.gov
John M. Cornell	MCC	jmccornell@earthlink.net
Tom Kimer	MCC	TK.kimers@aol.com
Carlos Salas	Spring Garden	Spring Garden Historic District edg@mail.com
Spencer Crowley	FIND	spencer.crowley@akerman.com
ROBERT DOBIECKI	POLISH AMERICAN CENTRE	MS4X@ATT.NET
Cindy Dwyer	MDC Planning Division	Cindy.Dwyer@miamidade.gov 305.375-2589



**Miami River Commission's  
Urban Infill and Greenways Subcommittees**

Tuesday, January 14, 2020  
3:00 PM  
1407 NW 7 ST  
Miami, FL

<u>NAME</u>	<u>ORGANIZATION</u>	<u>PHONE &amp; E-MAIL</u>
IVO FERNANDEZ	MODIS ARCHITECTS	305-607-3451 IVOF@MODISARCHITECTS.COM
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Alberto Milo, Jr	Related Urban	305-460-9900 amilo@relatedgroup.com
Brett Sibean	MRC	305 644 0544 miamiriver1@bellsouth.net





# RIVER PARC MASTER PLAN

MIAMI, FL . 1.06.2020









- LINEAR PARK
- WATERFRONT PARK
- TRIANGLE PARK
- ROBERT KING HIGH COMMUNITY CENTER
- PLAZA
- RIVER PLAZA
- RIVER WALK
- PLAZA
- PASEO





















## PROPOSED SAFETY FEATURES

### Natural Surveillance

- 1- Proposed buildings located closer to sidewalk and towards street.
- 2- Frequent use of glazing on buildings facade overlooking sidewalk.
- 3- Street and wide sidewalk design to enhanced pedestrian walk-ability
- 4- Site and Street lighting to avoid blind spots, blinding glare and/or deep shadows.

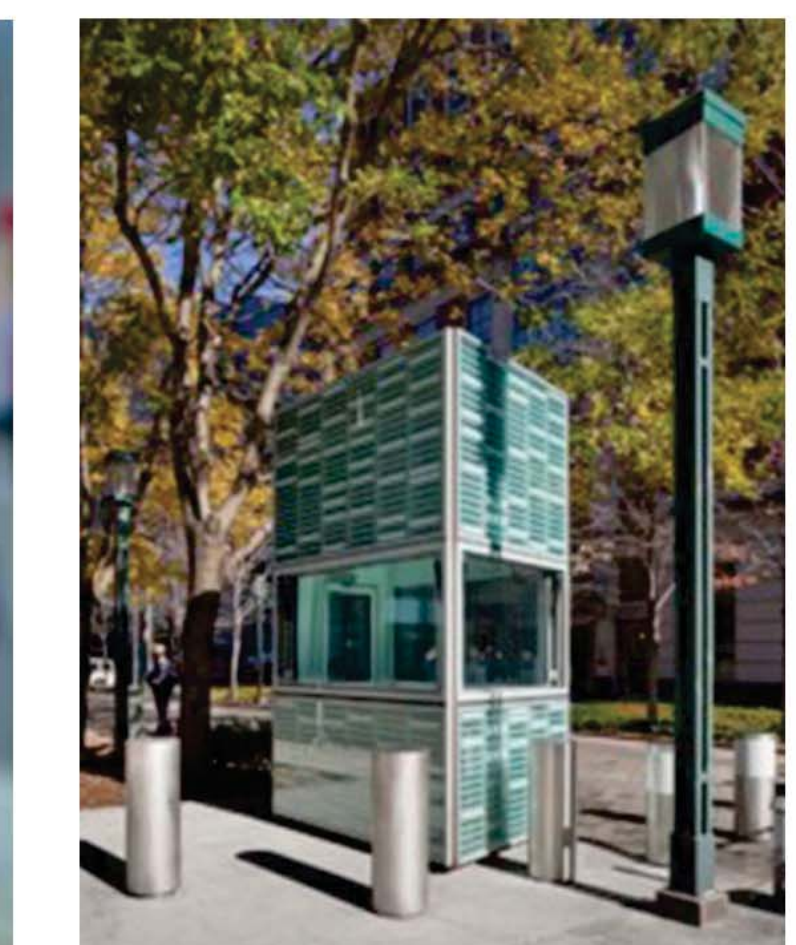
### Natural Access Control

- 5- Landscape design to be respectful of different use areas.
- 6- Open space areas to attract community gathering.
- 7- Control resident access within the development.

### Natural Territorial Reinforcement.

- 8- Delineation of public vs private spaces with the use of landscape and amenities features such as benches.
- 9- Security system at access points and open areas.
- 10- Orientation signage and information boards through out the development.

- Code Blue Pole
- Security Sentry Box
- Security Cameras
- Roving Patrols

































# Waterborne Transportation

Overview

## R-958-19

Resolution by the Miami-Dade county Board of Commissioners directing the Mayor or Mayor's designee to negotiate agreements as necessary to facilitate or implement fixed route waterborne transit services connecting the downtown Miami and south beach areas; authorizing the county Mayor or county Mayor's designee to apply for grant funding related to such services; and requiring status reports to the board.





Purdy Ave. Dock

Sea Isle Marina

Antenna Site

PAMM

FEC slip

Chopin Plaza

Hyatt/JLK Ctr

Into the Miami River - Low Speed

Biscayne Island

San Marco Island

Venetian Islands

Di Lido Island

Rivo Alto Island

Belle Isle

Watson Island

Hibiscus Island

Palm Island

Star Island

Dodge Island

Miami Beach Marina

Fisher Island  
Fisher Island

N SR-A1A

Government Cut - High Speed - faster route

Fisherman Channel-High Speed

907

968

5

1

A1A

NE 20th St

NE 15th St

NE 13th St

NE 11th St

NE 9th St

NE 7th St

NE 5th St

NE 3rd St

E 2nd St

E 1st St

E Frauder St

SE 1st St

D St

Brickell Key

Port Blvd

Antarctica

S American Way

N Cause Blvd

N Venetian Way

S Hibiscus Dr

N Coconut Ln

N Cause Blvd

S American Way

MacArthur Causeway

Port Blvd

Antarctica

S American Way

N Cause Blvd

Port Blvd

Antarctica

S American Way

N Cause Blvd

Dade Blvd

17th St

15th St

11th St

9th St

8th St

7th St

6th St

5th St

4th St

3rd St

1st St

S Pointe Dr

Lenox Ave

Euclid Ave

Terminal I

Dodge Rd

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# CITY OF MIAMI POTENTIAL SITES

Evaluations



**Antenna Platform:** Issues with cost, land ownership, events blocking access twice/yr. Access to multimodal transportation. Good location for commuter service and events. Requires permitting and MOP.

**PAMM:** Good for commuter service and events. Good accessibility to Metromover Station. Requires permitting and MOP.

**Inlets:** Close to Metromover - Issues with water depth. Requires permitting and MOP

**FEC Slip:** Too long to travel to Metromover and risks associated with the crossing of Biscayne Blvd. There is an expired temporary MOP which will require modification.

**Amphitheater south of Bayside:** Good location for events - not a good area for commuter . Has MOP and Class 1 permits

**Miami River - Hyatt/James L. Knight:** Close to two Metromover Stations - Closest to Downtown Miami. Amenities in place.

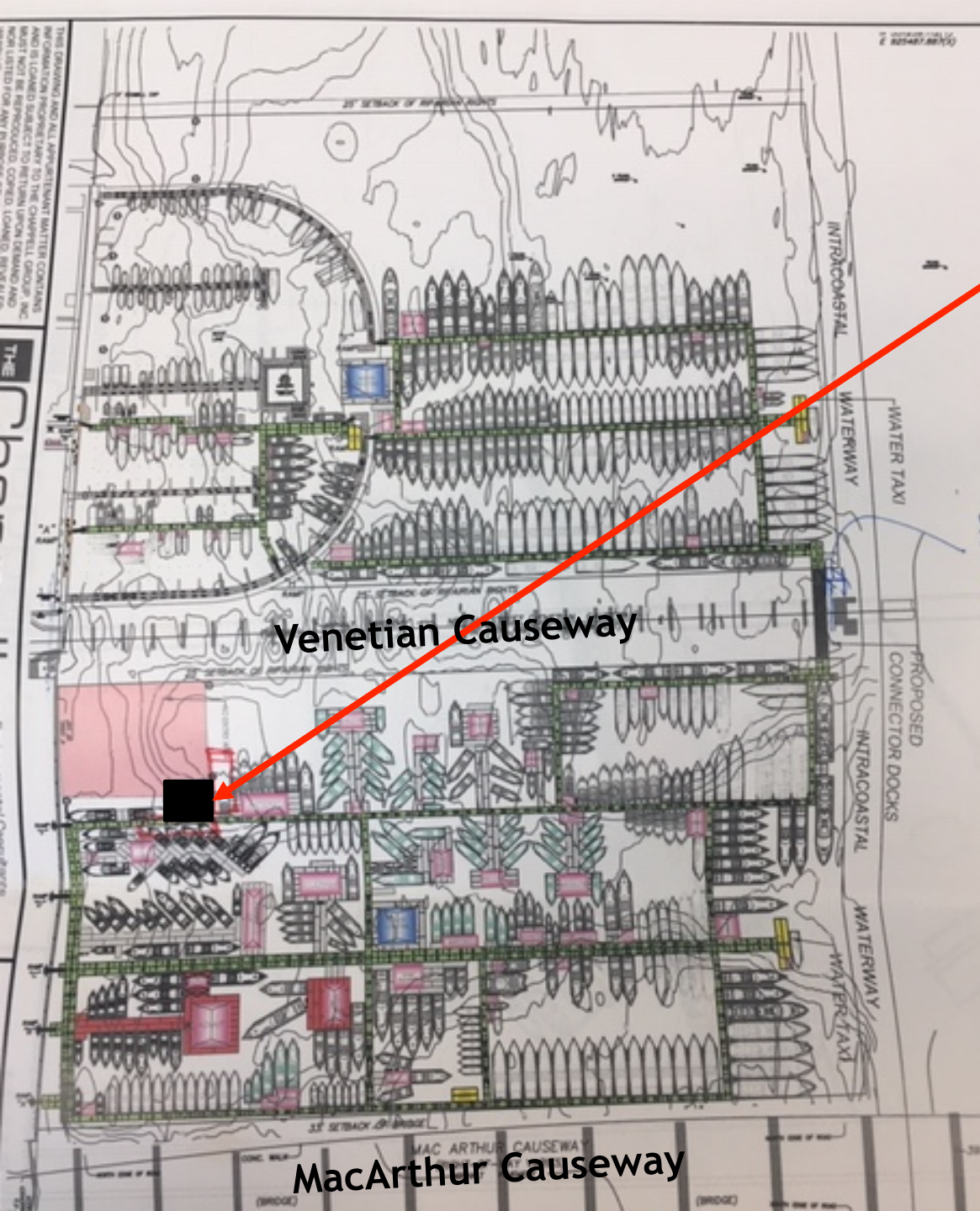




# CITY OF MIAMI POTENTIAL SITES

Evaluation of Antenna Site





Venetian Causeway

MacArthur Causeway

### Antenna Site:

- City of Miami Leases the Bay Bottom to the Yacht Show once a year. The map shows the marina layout.
- Lease term: 10 yrs.
- No access to antenna platform for one month during the year.
- Owner of landside property leases the land to Art Miami during Art Basel. Also for one month during the year.
- Yacht show docks extend to the opening of the Venetian bascule bridge.
- There would need to be significant costs in updating the Antenna platform and catwalks.

Miami Potential Stop - Antenna Platform



# CITY OF MIAMI POTENTIAL SITES

Evaluation of PAMM Site



## PAM SITE

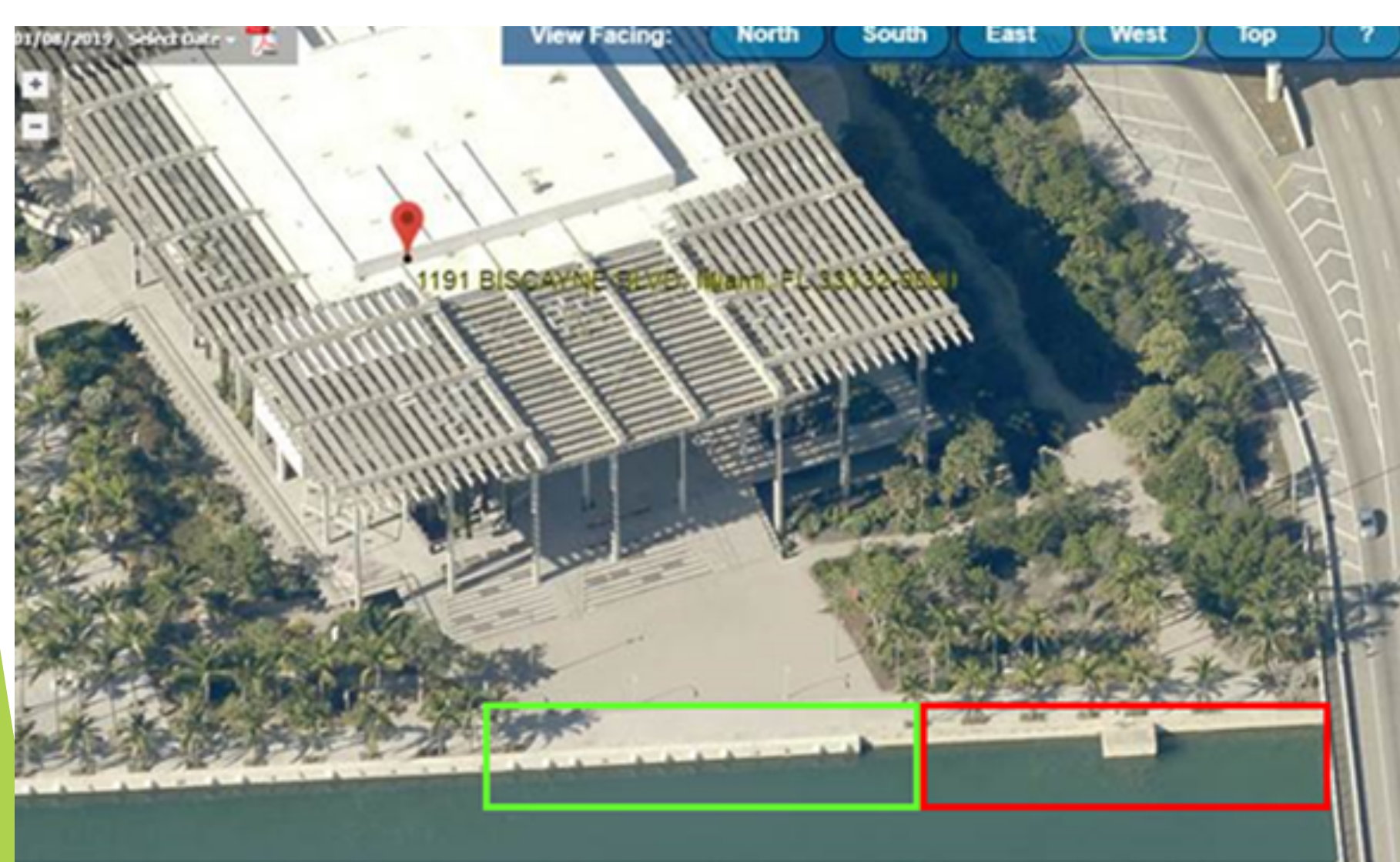
### 25' FDOT easement to City of Miami for Submerged lands

- Utilities from Miami to Miami Beach

### Barge and catwalk at PAM

- City of Miami had lease with FDOT for this area. May 2019.
- City of Miami interested in building extension of Baywalk.
- Site provides direct connection to Museum Park Metromover
- DERM performed preliminary evaluation. Barge to be 50' away from seawall because of riprap on the bottom and low water depth.





## PAM SITE

- Red area indicates water depth issues
- Green zone is clear



## PAMM SITE OPTIONS:

3 options were evaluated. Option 3 is the option supported by PAMM leadership.

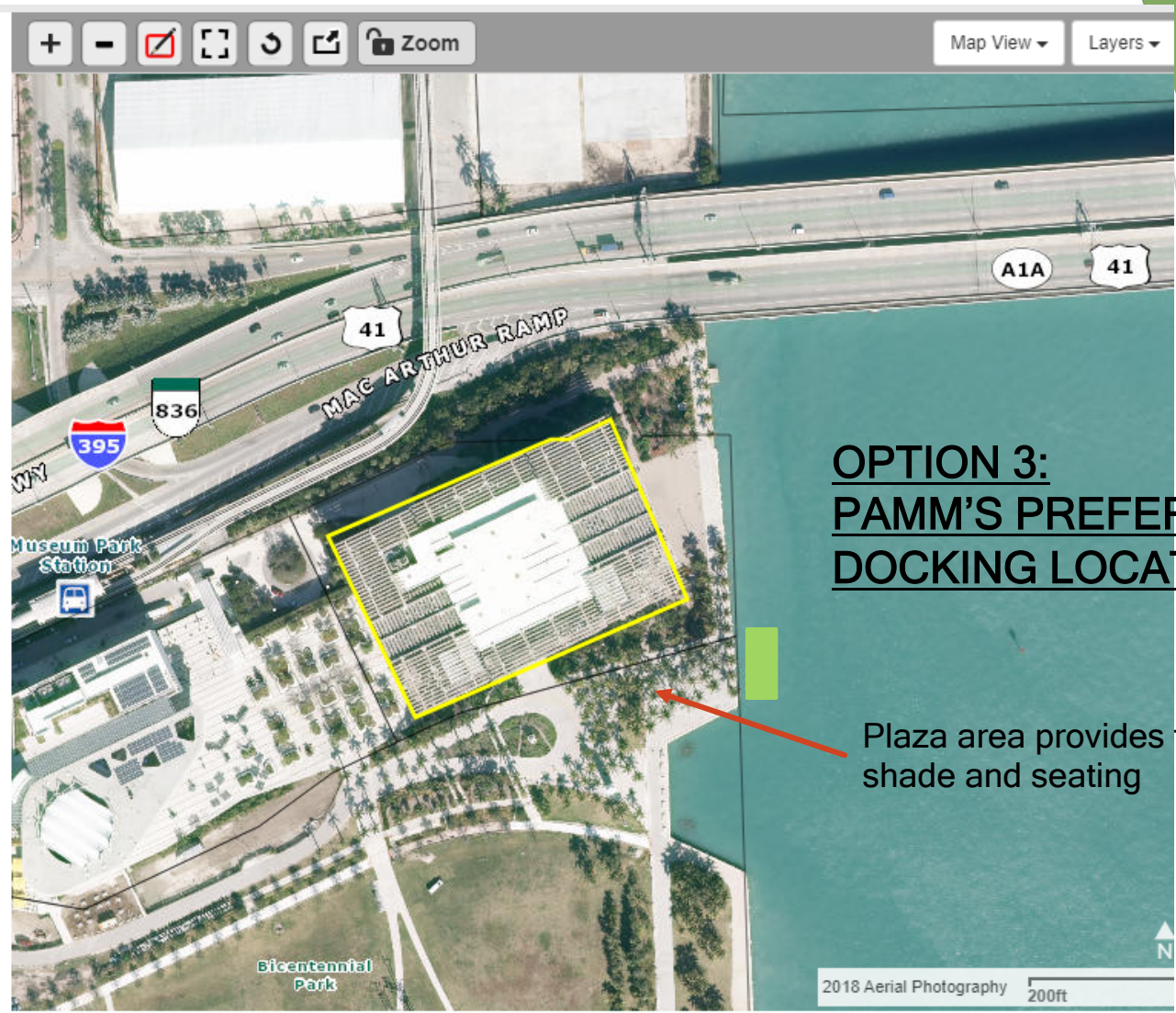
### OPTION 3 - Supported by PAMM

- Nice Plaza. Shaded and with built in seats
- Accessible route: 1,248'
- Non accessible route: 930'
- No new construction is required for accessibility paths.
- Lends itself for commuter, events and tourism.
- Requires new dock at seawall
- City of Miami to determine:
  - The Bayfront Trust has control over the site.
  - Will require a Class 1 permit and MOP
  - Access agreement required.

## PAMM OPTIONS



PROPERTY INFORMATION <span style="float: right;">i</span>	
Folio: 01-4137-073-0016	
Sub-Division: MUSEUM PARK	
Property Address 1103 BISCAYNE BLVD	
Owner MIAMI ART MUSEUM OF DADE COUNTY ASSC INC	
Mailing Address 101 FLAGLER ST MIAMI, FL 33130	
PA Primary Zone 0000	
Primary Land Use 3515 TOURIST ATTRACTION/EXHIBIT : ENTERTAINMENT	
Beds / Baths / Half	0 / 0 / 0
Floors	3
Living Units	0
Actual Area	243,072 Sq.Ft
Living Area	243,072 Sq.Ft
Adjusted Area	229,266 Sq.Ft
Lot Size	0 Sq.Ft
Year Built	2014

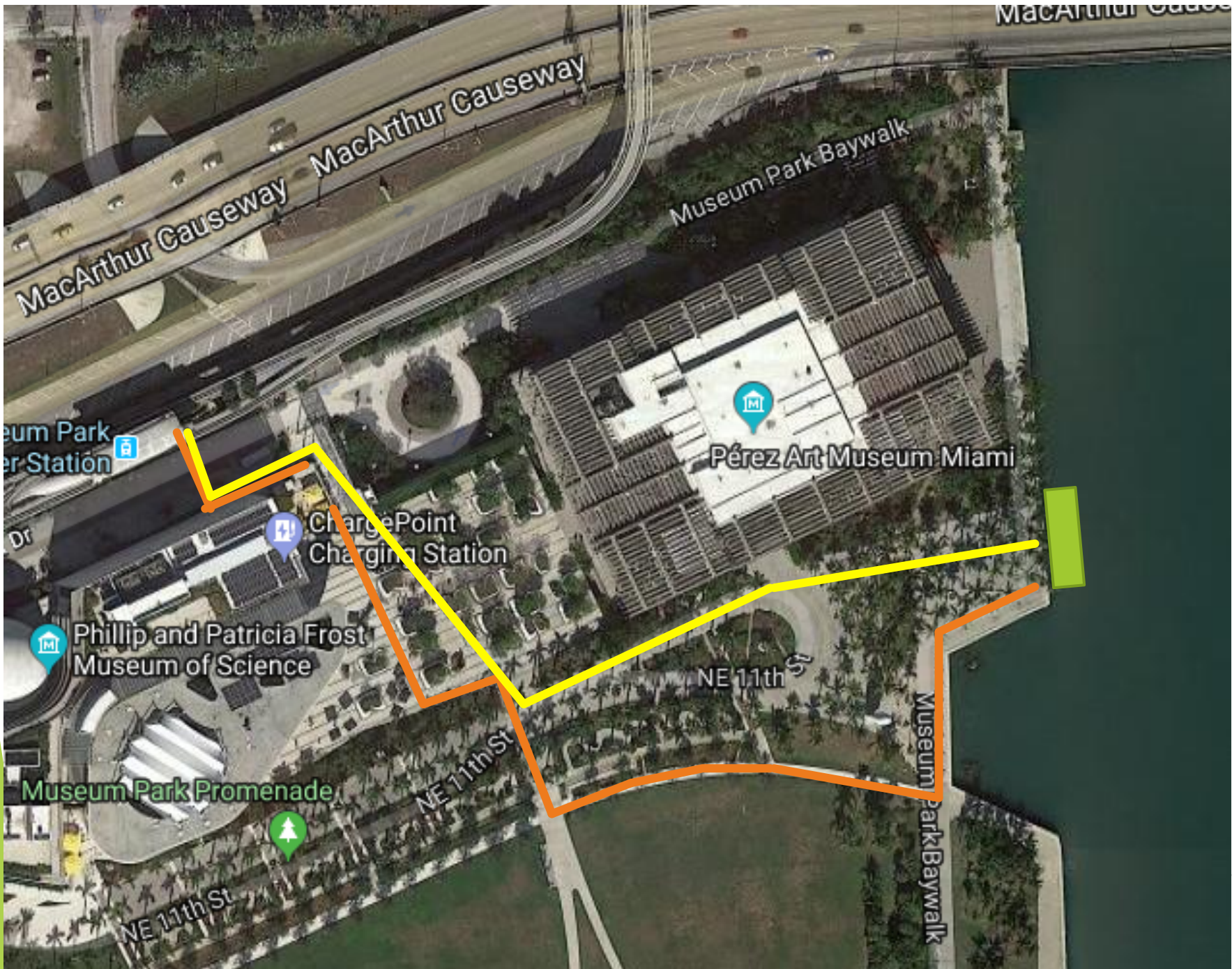


**OPTION 3:**  
**PAMM'S PREFERRED**  
**DOCKING LOCATION**

Plaza area provides for nice shade and seating

PAMM will be opposed to having the vessel stop in front of the beach as it will block views. Suggested moving vessel stop to the south as shown in the image





- Accessible Path 1,248 ft
- Normal Path - 916 ft

### OPTION 3:

Path is already in place.

Distance and amenities provides for a favorable location

Plaza provides for shade and breezes

Landing is less obtrusive and lends itself as commuter, event and tourism.





### OPTION 3:

Will require dock from sea wall to vessel, gate to secure access to dock and potentially the marine operating permit for commercial use and Class I permit application from DERM.







# CITY OF MIAMI POTENTIAL SITES

Evaluation of FEC Slip Site



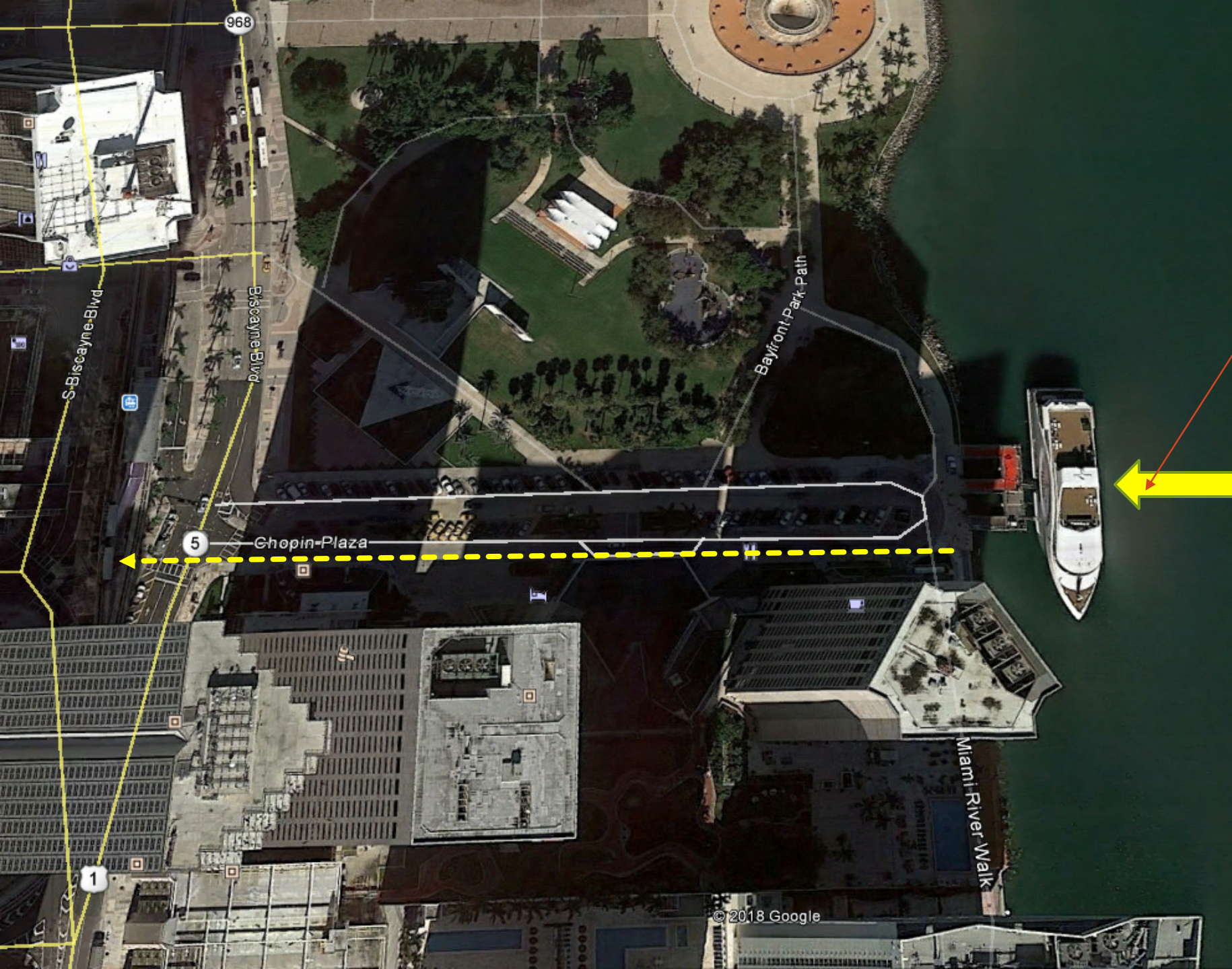
## FEC Slip

- Has an expired temporary MOP which will need modification.
- No BCC required - Issued to Bay Front Park - requires City of Miami Approval.
- Long wait to cross Biscayne Blvd.
- Closest Metromover is Park West. To the South is Freedom Tower.
- Good location for events. Not a great location for a commuter service.

# CITY OF MIAMI POTENTIAL SITES

Evaluation of Chopin Plaza Site





## Chopin Plaza

- MOP in place
- Proximity to Bayfront park Metromover Station
- New Vessel has secured lease for the slip.
- Commuters would need to cross Biscayne Blvd.

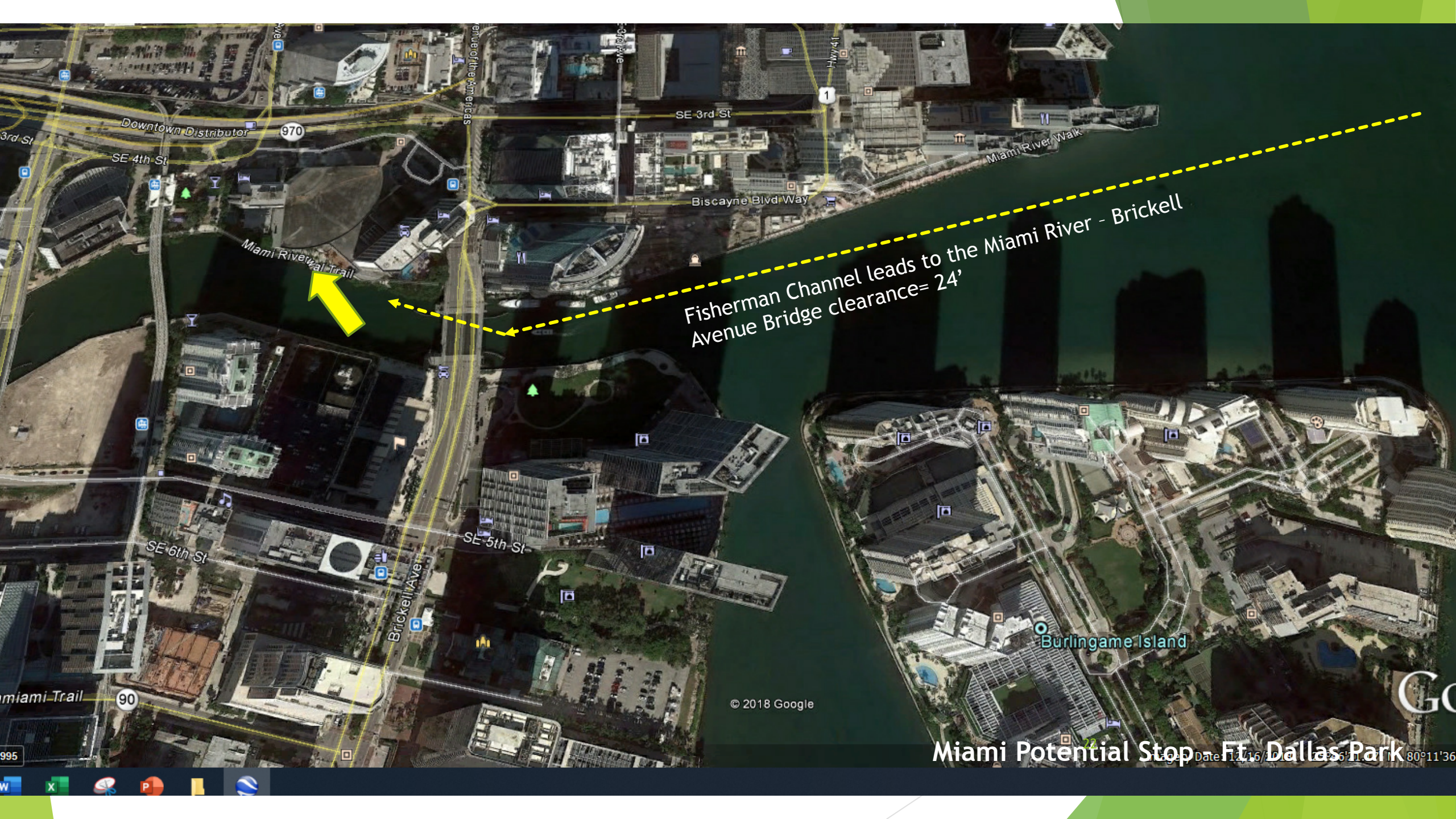


# CITY OF MIAMI POTENTIAL SITES

Evaluation of HYATT/JAMES L. KNIGHT CENTER Site

Preferred Site





Fisherman Channel leads to the Miami River - Brickell Avenue Bridge clearance = 24'



Miami Potential Stop - Ft. Dallas Park

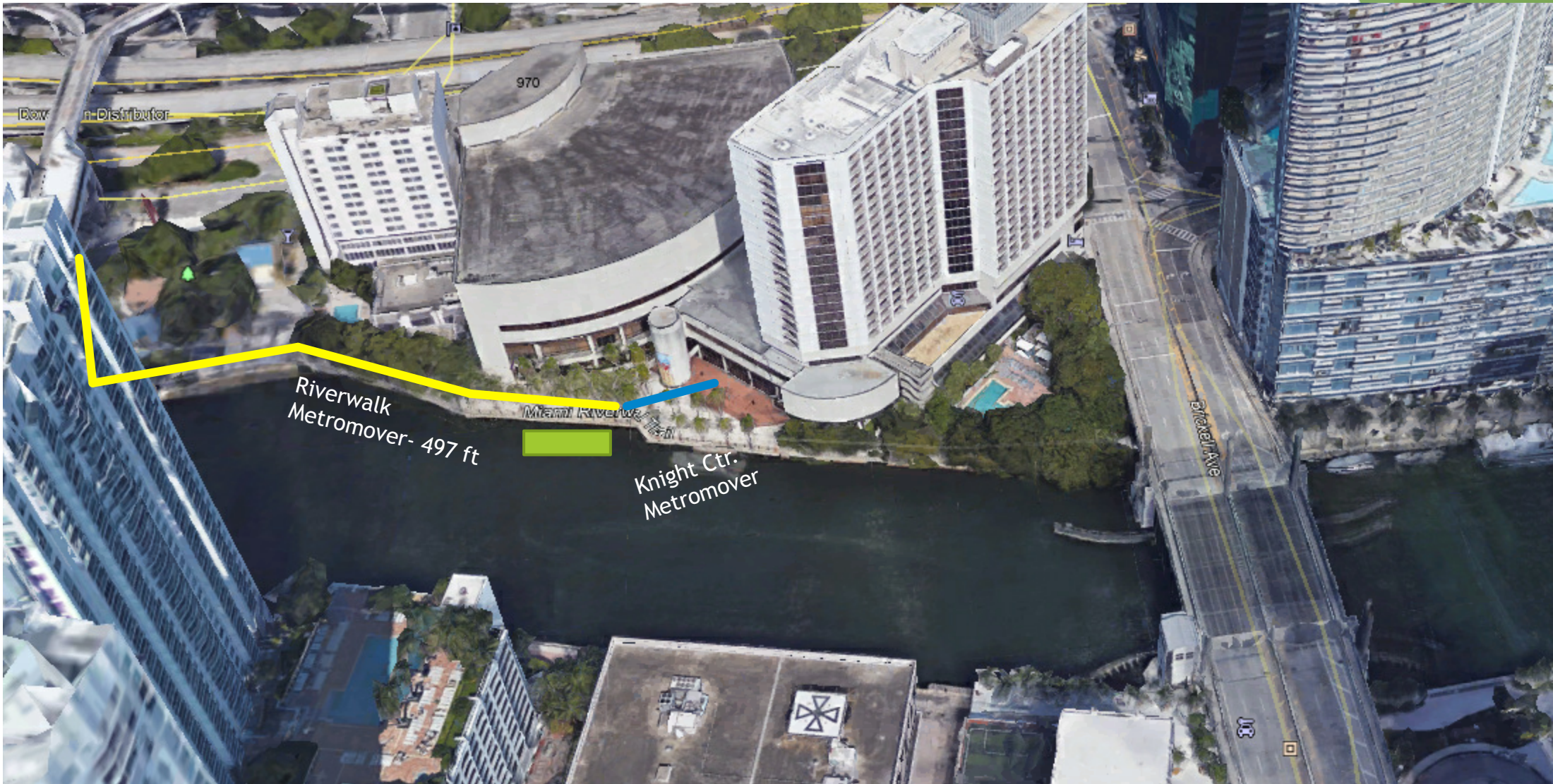


© 2018 Google

GO

Date: 11/16/2016 11:06:11 AM 80°11'36"





- Riverwalk Metromover Station
- James L. Knight Ctr. Metromover Station














City of Miami planning on  
reconstructing Sea Wall

A catwalk/walkway will be required for  
embarkation. 2 of the light post may  
need to be removed





Access to amenities and parking

Closest to downtown Miami



Available space for  
ticket office



# CITY OF MIAMI BEACH POTENTIAL SITES

Evaluation of Miami Beach Marina Site





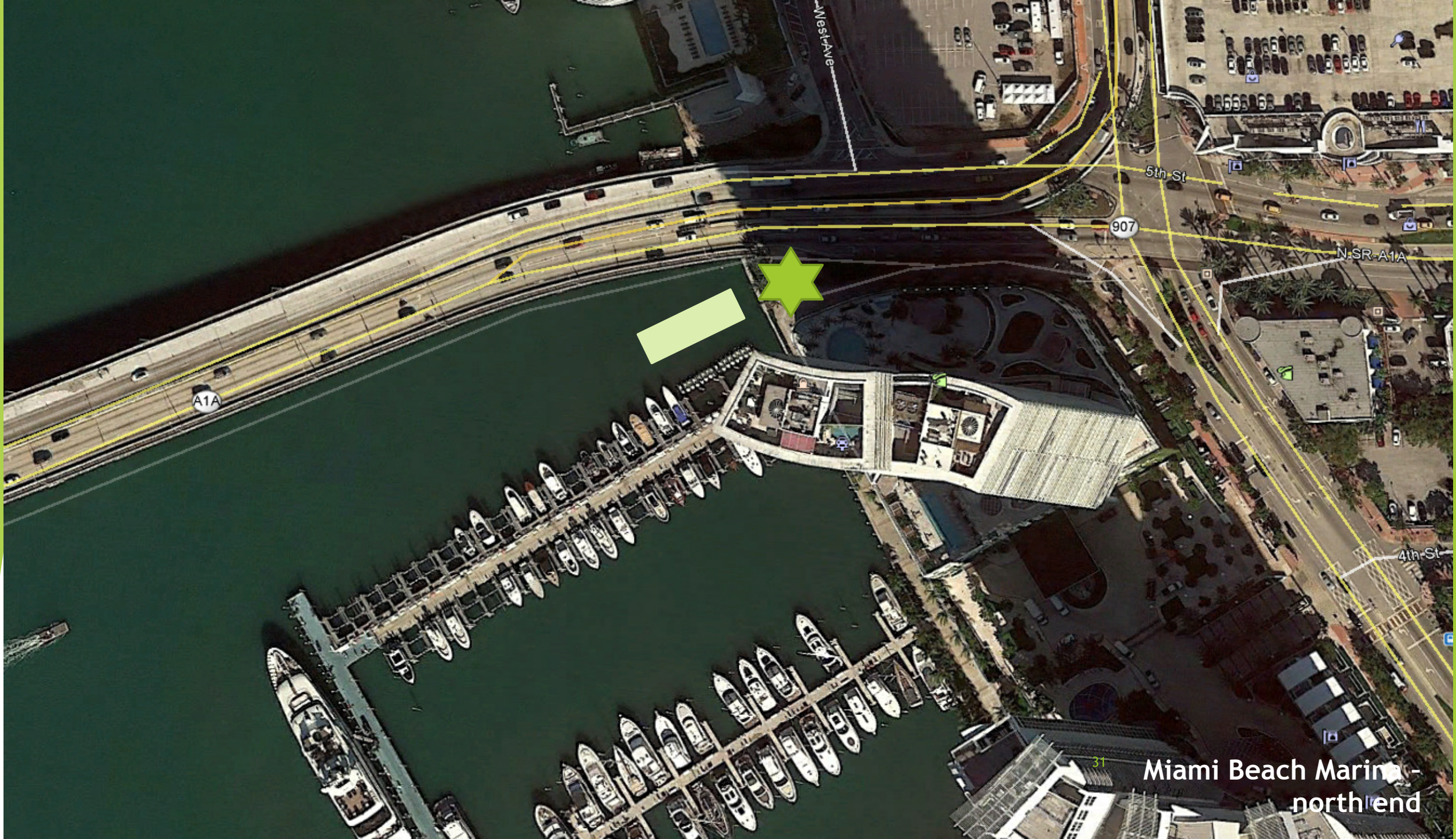
### Miami Beach Marina North Side:

- May impact existing slips
- May have issues with currents
- Best accessibility to transportation and more visible
- Permitting will take over a year
- State owns the submerged land and FDOT has control over the I-395 ROW

### Miami Beach Marina South Side:

- Miami Beach has the lease for the submerged lands
- Proximity to South Pointe parking
- Will require trolleys and dedicated vehicles to transport people. Farthest for commuting
- No ability to provide for ticket booth.
- No ability to provide for automatic trolley





31  
Miami Beach Marina -  
north end





Submerged lands leased by  
Miami Beach

Allon Rd

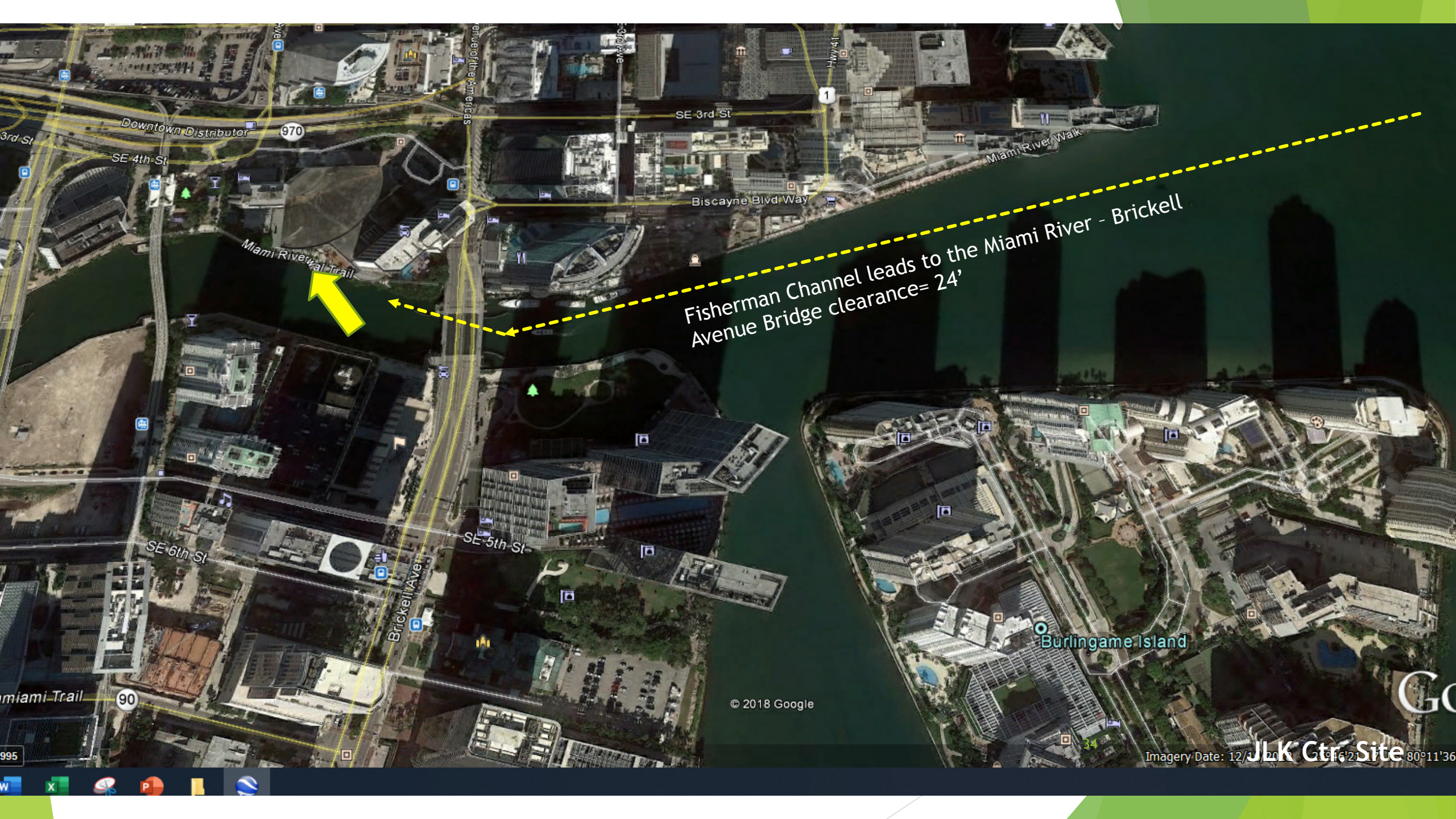


# SUMMARY

Preferred Sites

Hyatt/JLK Ctr. and north of Miami Beach Marina





Fisherman Channel leads to the Miami River - Brickell Avenue Bridge clearance = 24'



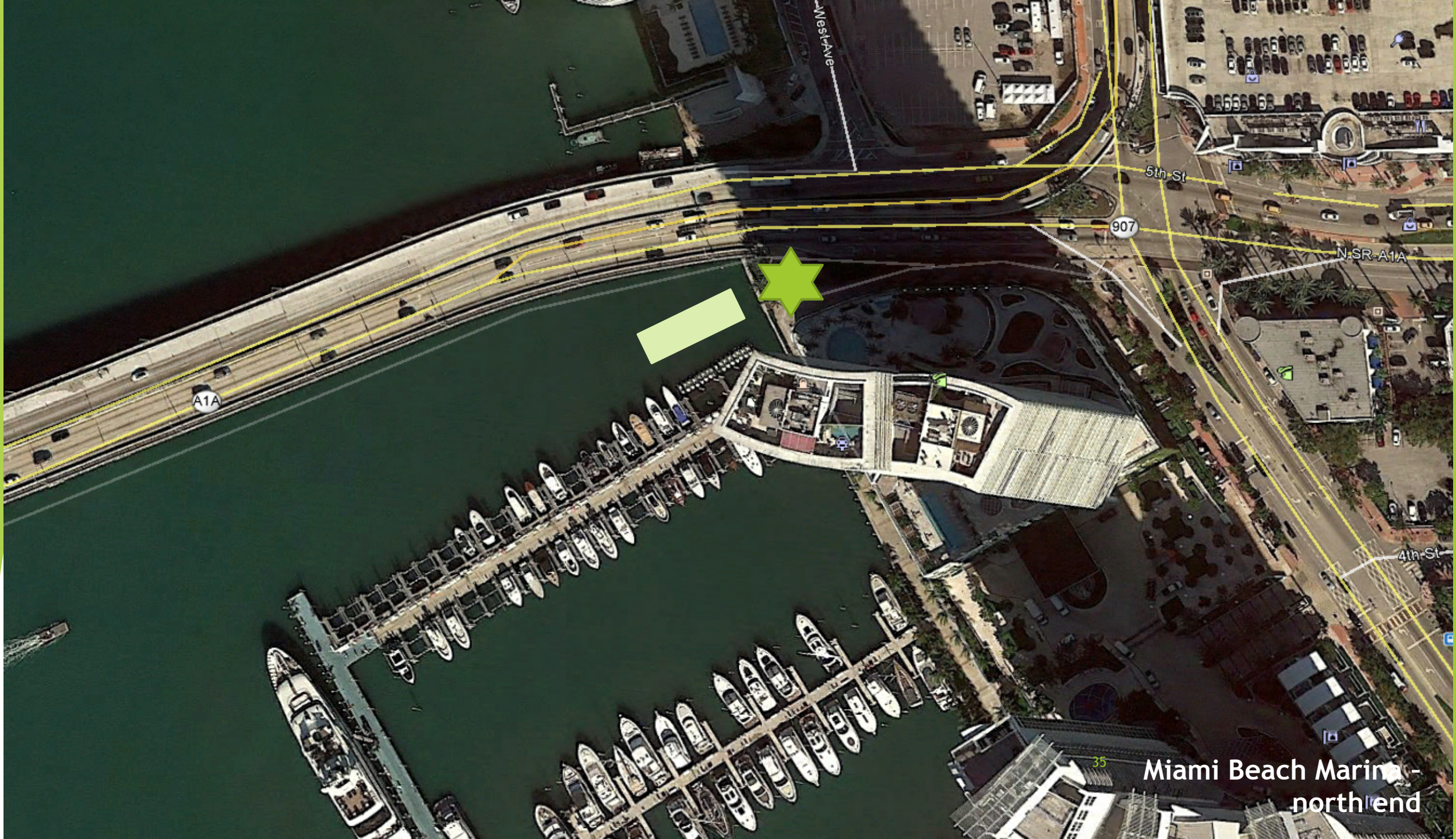
© 2018 Google

Imagery Date: 12/1/2018 80°11'36"

JLK Ctr. Site







35  
Miami Beach Marina -  
north end



# SUMMARY

Proposed Vessels





## 2012 Diamond 3 built by Scarano, Albany, NY

- 65' long x 25' wide x 3' draft
- Air-draft: 20' (lower than 24 feet)
- Maximum Cruising speed: 22 knots
- Engines: 4 - 250 hp outboard Hondas
- 149 passenger capacity
- AC
- 2 restrooms
- Main deck has galley and bar
- TV - Wi-Fi
- Vessel has the Certificate of Inspection (COI) and the Certificate of documentation (COD) by the U.S. Coast Guard. When the vessel arrives in Miami, the local U.S. Coast Guard will re-certify the vessel and port of call will be Miami.







## Vessel 2: Chartered vessel: 2004 - repowered - Ocean State

- 65' long x 24' wide x 3' draft
- Air-draft: 18 feet (lower than 24 feet)
- Maximum Cruising speed: 28 knots
- Engines: 2 - Detroit diesels - inboard
- 149 passenger capacity
- AC
- 1 restroom
- Main deck has galley and bar
- TV - Wi-Fi
- Vessel has the Certificate of Inspection (COI) and the Certificate of documentation (COD) by the U.S. Coast Guard



COMMUTER FARES	
Commuter One Way	\$3.00 *
Weekly 10 Trip Hopper	\$30.00
Monthly 40 Trip Hopper	\$120.00

ONE WAY FARES	
Resident	\$5.00 *
Adult	\$10.00
Senior/Military/Disabled	\$4.00
Children (12&under)	Free *
Bicycles	\$2.00

Fare Type: Adult / Resident / Senior / Military/  
Disabled / Child / Infant

Fare Combinations: One way / Round trip /  
Hopper pass

Fare Media: Tickets / E-tickets / Hopper  
pass books

Point of Sale: Ticket booth on site/  
Onboard / Online

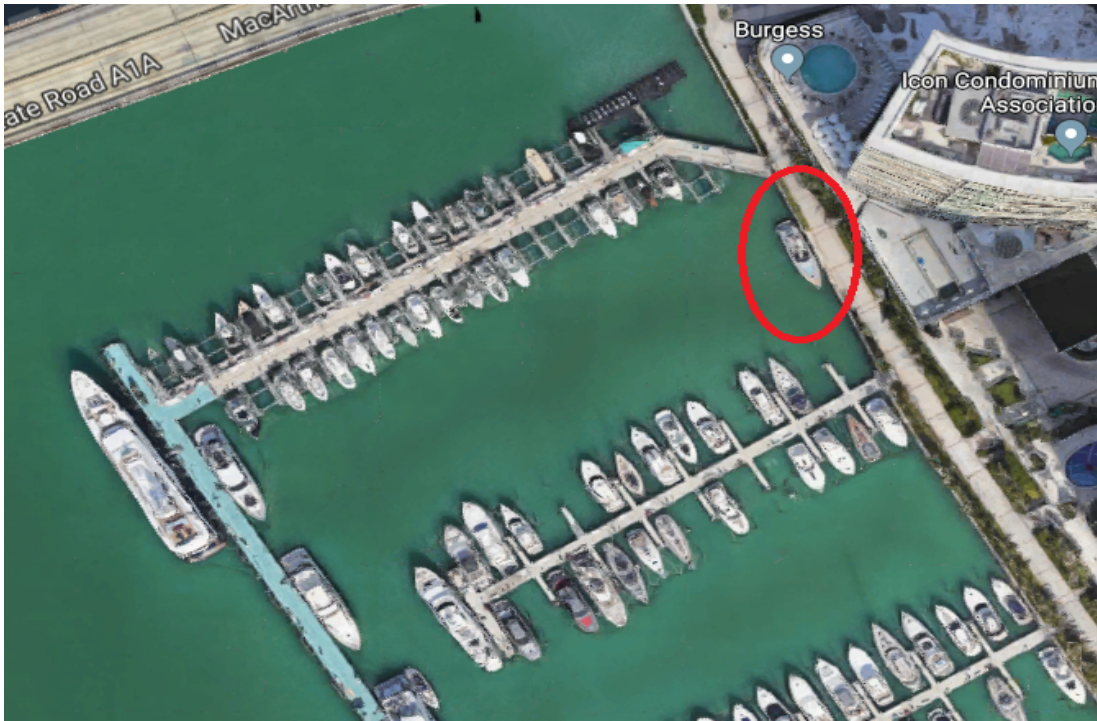
Method of Sale: Cash / Credit Card / Debit  
Card / Gift Certificates

Online: Tickets may be purchased online  
using credit and debit cards.  
Customers who purchase online  
tickets will be issued an E-ticket  
which can be used directly on the  
vessel.









- Temporary location while permitting for North end takes place.
- Currently trying to secure the slip against the sea wall. City of Miami Beach and Suntex (operator of marina) meeting to discuss.



- Suntex offered the location to the south of the marina which is not ideal.
- If this is the only temporary location that Miami Beach is willing to offer, the vessel operator is willing to provide a free shuttle to patrons to other buss and trolley stops.



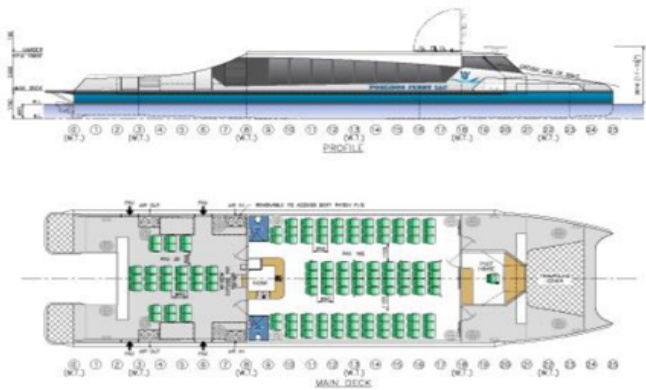
## ADDITIONAL INFORMATION

- Captains, mates and engineers have been hired. Currently working on hiring service representatives.
- Miami-Dade county tax certificate is in place
- About 8 different types of insurance are in place (Hull, P&I, Workman's Comp, Longshoreman, Pollution, Liquor P&I, Auto, Upland Coverages, Terrorism).
- Operator employees are required to submit for pre-employment and random drug testing - USCD Drug testing. Zero tolerance.
- Concessions and liquor licenses applied for. Concessions license application currently under review by FL DPBR. A temporary liquor license was obtained while the final one is being processed and approved.



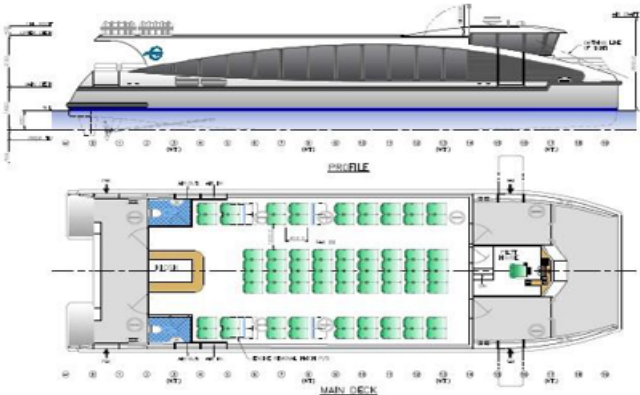
# Additional Routes

Poseidon working with naval architect for two high-speed ferry designs. These vessels will clear the lowest bascule bridge with is the West Venetian Causeway.



**ATLANTIS CLASS VESSEL**  
98' LENGTH  
24' BEAM  
12' AIR DRAFT  
3' WATER DRAFT  
149 PASSENGERS

**TRIDENT CLASS VESSEL**  
65' LENGTH  
20' BEAM  
12' AIR DRAFT  
3' WATER DRAFT  
149 PASSENGERS





## Additional Routes

The first part of the route expansion phase for Poseidon Ferry will be routes South of Downtown Miami. Based on case studies done, there are two key areas where waterborne transportation would thrive:

- Black Point Marina
- Coconut Grove / Dinner Key

Poseidon would plan to begin servicing the Black Point and Coconut Grove areas beginning in November of 2020. Poseidon is actively speaking with the current ownership for purchase of the San Juan Express as a potential interim vessel for this route.





# Waterborne Transportation

Overview





Sea Isle Marina

Purdy Ave. Dock

Antenna Site

PAMM

FEC slip

Chopin Plaza

Hyatt/JLK Ctr

Into the Miami River - Low Speed

Biscayne Island

San Marco Island

Di Lido Island

Rivo Alto Island

Belle Isle

Watson Island

Hibiscus Dr

Hibiscus Island

N Coconut Ln

Palm Island

Star Island

Government Cut - High Speed - faster route

Dodge Island

Antarctica

Port Blvd

Miami Beach Marina

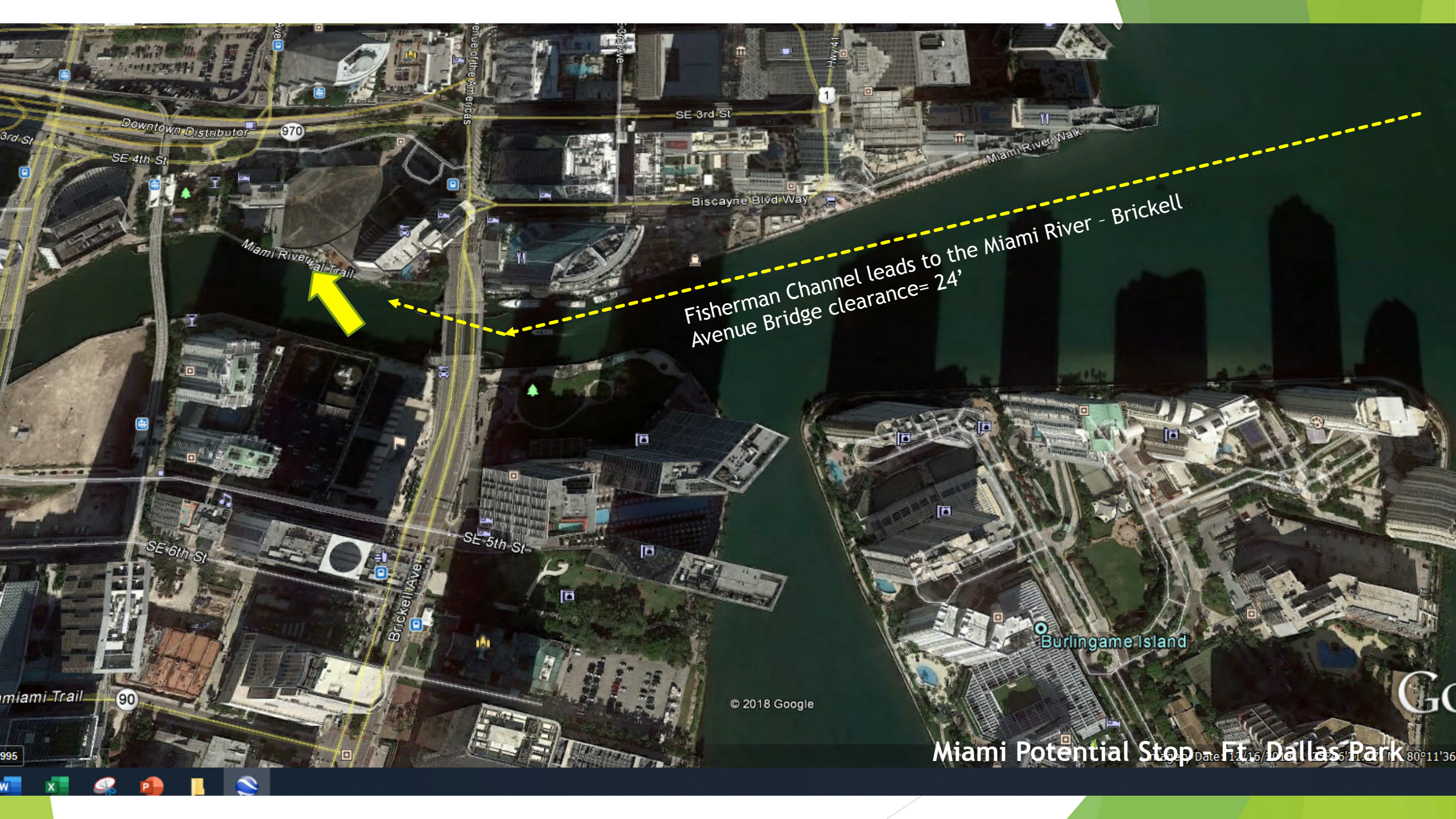
Fisher Island  
Fisher Island



# CITY OF MIAMI

Evaluation of HYATT/JAMES L. KNIGHT CENTER Site  
Preferred Site

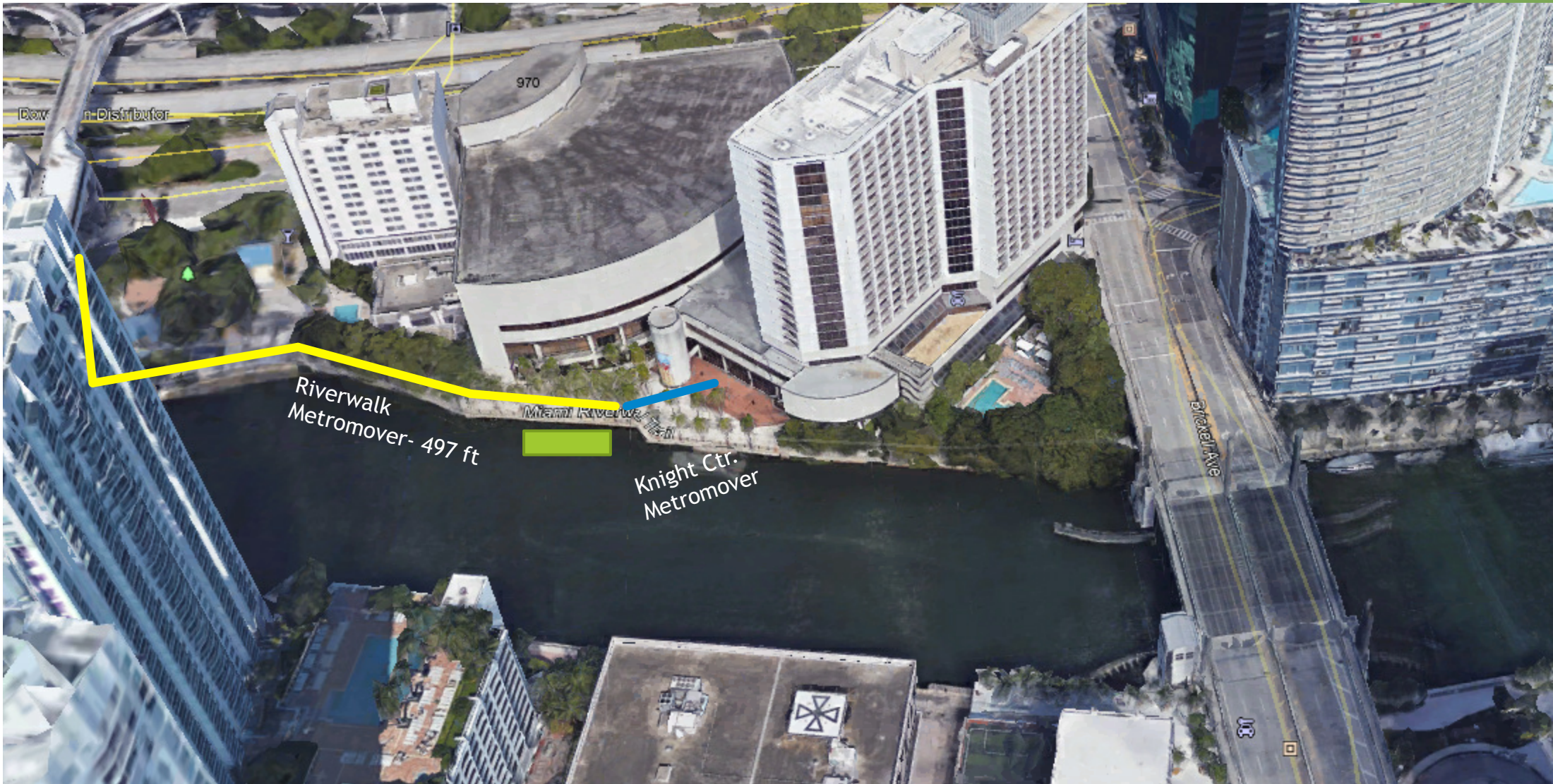




Fisherman Channel leads to the Miami River - Brickell Avenue Bridge clearance = 24'

Miami Potential Stop - Ft. Dallas Park





- Riverwalk Metromover Station
- James L. Knight Ctr. Metromover Station














City of Miami planning on  
reconstructing Sea Wall

A catwalk/walkway will be required for  
embarkation. 2 of the light post may  
need to be removed





Access to amenities and parking

Closest to downtown Miami





Available space for  
ticket office



# PROPOSED VESSELS

Poseidon Ferry





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- About 8 different types of insurance are in place (Hull, P&I, Workman's Comp, Longshoreman, Pollution, Liquor P&I, Auto, Upland Coverages, Terrorism).
- Operator employees are required to submit for pre-employment and random drug testing - USCD Drug testing. Zero tolerance.
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### Board of Directors

**Ken Russell**  
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Commissioner, City of Miami

**Neisen Kasdin**  
Vice-Chairman  
State Cabinet Representative  
Akerman LLP

**Eileen Higgins**  
Commissioner, District 5  
Miami-Dade County

**Alicia Cervera Lamadrid**  
Cervera Real Estate

**Philippe Houdard**  
Pipeline Workspaces

**Danet Linares**  
Blanca Commercial Real Estate

**Richard Lydecker**  
Lydecker | Diaz

**Nitin Motwani**  
Miami Worldcenter Group

**Alan Ojeda**  
Rilea Development Group

**Gary Ressler**  
Tilia Companies

**Marta Viciedo**  
Urban Impact Lab

**Greg West**  
ZOM Living

**Suzanne M. Amaducci-Adams**  
Bilzin Sumberg

**T. Spencer Crowley III**  
Akerman

**Franklin Sirmans**  
Pérez Art Museum Miami

### Executive Staff

**Alyce M. Robertson**  
Executive Director

**Christina Crespi**  
Deputy Director

November 8, 2019

Susan L. Conner, Chief Interim President & CEO  
Planning and Policy Branch  
U.S. Army Corps of Engineers  
803 Front Street  
Norfolk, VA 23510-1096

Dear Ms. Conner,

The Miami Downtown Development Authority (Miami DDA) is an independent agency of the City of Miami which represents the economic engine, cultural and recreational hub of South Florida. Emphasizing our regional significance, the market value of the properties in Downtown and adjacent neighborhoods is more than \$39 billion, which represents more than 50 percent of the City of Miami's taxable property value. With a current population of more than 92,000 that is expected to exceed 110,000 by 2021, Downtown is growing at the rapid rate of 4 percent. Furthermore, our daytime population of more than 250,000 underscores the importance of protecting our built and human assets.

On behalf of the Board of the Miami DDA, we submit the following comments regarding the US Army Corps of Engineers' "Back Bay" Study and its most recent recommendations to address storm surge in Greater Downtown. We believe these comments should be addressed in order to ensure strong and unconditional support from downtown stakeholders for the Feasibility Study, the Chief Engineer's Report, and the subsequent authorization and appropriation process with Congress.

- It is critical that the feasibility study recommend a continuous floodwall downtown along Biscayne Bay from Edgewater to Brickell.
  - For example, the current proposed location of the floodwall in Brickell would leave a large area of low-lying property and infrastructure in that neighborhood vulnerable to storm surge. Additionally, the open fetch across Biscayne Bay is longer here than any other area of downtown Miami. Moving the proposed floodwall to the east along the Brickell waterfront would help protect these vulnerable areas which were significantly impacted during Hurricane Irma.
  - Similarly, there is currently no floodwall proposed in the CBD area of downtown. This area contains critical infrastructure (mass transit, sanitary sewer pump station) and should be protected from storm surge.



- These floodwalls should integrate with the proposed Storm Surge Barrier and Pump Station at the mouth of the Miami River near Brickell Avenue.
- The feasibility study should recommend Natural and Nature Based Features in the Tentatively Selected Plan as a way to strengthen and extend the life of the proposed infrastructure, while also increasing public access to Biscayne Bay.
  - The USACE's Engineering with Nature Strategic Report, provides that: "Shared visioning and steering of project design, planning, and construction have been successfully incorporated to identify, reduce, and mitigate potential barriers to progress and accelerate completion of projects." In tandem, structural and nature-based features will extend the life of the seawall, reduce storm impacts and restore some of our disappearing ecosystems.
  - Such features should include nearshore artificial reefs and living shorelines.
  - These features should be evaluated as part of the NEPA/EIS process so that the environmental benefit of such features are thoroughly considered and vetted.
  - These features should be analyzed as alternatives which would enable extension of the downtown Baywalk promenade into Biscayne Bay, thus enhancing protection of infrastructure and property, and increasing public access to Biscayne Bay.
  - Specific examples of how these benefits can be achieved are provided in the attached Urban Land Institute Advisory Services Panel report on bolstering Miami's Urban Waterfront.
- The Miami-Dade Back Bay Study should be more closely coordinated with the feasibility study examining reauthorization of the Miami-Dade County Beach Erosion Control and Hurricane Protection Project.
  - If these studies are more closely coordinated in a substantive manner, they can result in recommendations which will better protect vulnerable areas and valuable property from damages associated with coastal storm surge.
  - The Miami-Dade Back Bay Study should also be coordinated with the South Atlantic Coastal Study and the Miami Harbor Navigation Improvement Study to ensure a holistic approach and integrated solutions that comprehensively reflect all of the USACE's efforts in the area.
- Incorporate resilience section (pages 30-41) of the attached Miami Baywalk/Riverwalk Guidelines into the design of any coastal floodwalls and ensure that Natural and Nature-Based Features are included as part of the structural solution.
- Develop the proposed structural solutions (floodwalls and storm surge barriers) in coordination with the public and private landowners so that they are harmonized with existing development and expand the economic vitality of our community. Specifically, ensure that any structural solution which is constructed does not create new or unnecessary obstacles to our residents' view shed and access to Biscayne Bay.
- Leverage public rights of way to the fullest extent possible so that improvements to our streets are made in conjunction with the barriers and can address sea level rise and sunny day flooding, as already experienced in our region.

Thank you for taking the time to understand our concerns. We know that Miami represents a growing urban area that involves complex challenges, however we are confident that the USACE will work collaboratively with our stakeholders to ensure infrastructure investments reflect the needs of our thriving population and help bolster our economic resilience long into the future. We



look forward to working with you as you advance the Back Bay Study recommendations to construction. In the meantime, please contact the Miami DDA with any questions.

Sincerely,

Ken Russell  
Chairman

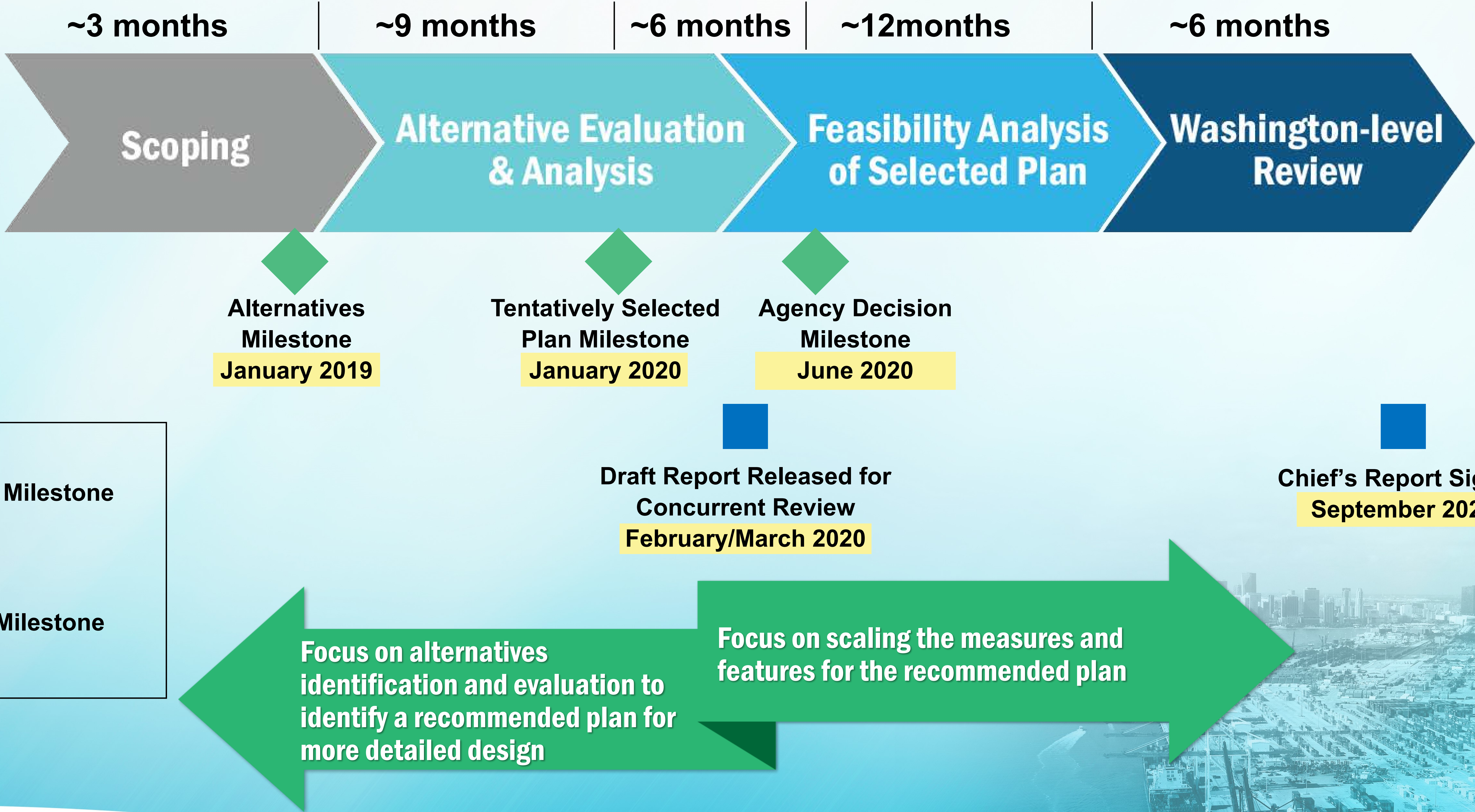
cc: Honorable Rick Scott, US Senator  
Honorable Marco Rubio, US Senator  
Honorable Fredrica Wilson, US Congresswoman, 24th District of Florida  
Honorable Mario Diaz-Balart, US Congressman, 25th District of Florida  
Honorable Donna Shalala, US Congresswoman, 27th District of Florida  
Honorable Carlos A. Gimenez, Mayor, Miami-Dade County

Attachments: The Miami Baywalk/Riverwalk Guidelines  
The Urban Land Institute Advisory Services Panel Report: "Bolstering Our Urban Waterfront"



# MIAMI-DADE BACK BAY COASTAL STORM RISK MANAGEMENT FEASIBILITY STUDY

## THE FEASIBILITY STUDY PROCESS: KEY DECISION & PRODUCT MILESTONES



**Decision Milestone**

**Product Milestone**



US Army Corps of Engineers  
Norfolk District



*The draft integrated Report/Environmental Impact Statement will be available for public review approximately March 2020.*





# MANAGEMENT MEASURES FOR CONSIDERATION

## Structural

## Nonstructural

## Natural and Nature-based

**Floodwall/Levees**

**Tide Gate**

**Deployable Floodwalls**

**Bulkheads**

Labels: PERMANENT FLOODWALL, FLOODABLE ZONE, TEMPORARY FLOODWALL SUPPORT, SEA LEVEL, UNELEVATED BUILDING, PROPERLY ELEVATED BUILDING.

**Relocation**

**Elevation or Acquisition**

**Enhanced Warning System**

**Higher Floodplain Standards**

Labels: HIGH ELEVATED STRUCTURES, BASE FLOOD ELEVATION, BEACH PROFILES, BUILDING BROUGHT UP TO FLOOD ZONE STANDARDS, FLOOD LEVEL INCLUDING WAVE EFFECTS, 100-YEAR STILLWATER ELEVATION, SEA LEVEL, BUILDINGS, SAND BEACH, SHORELINE, LIMIT OF MODERATE WAVE ACTION (LIMWA), FLOOD ZONE, ZONE AE, ZONE COASTAL AE, ZONE VE, WAVE HEIGHT 1.5 FEET, WAVE HEIGHT 3.0 - 1.5 FEET, WAVE HEIGHT >3 FEET, LIMIT OF BASE FLOODING AND WAVES, LIMIT OF SPECIAL FLOOD HAZARD AREA.

**Living Shoreline**

**Wetland Restoration**

**Cross-section diagram:** FLOOD WARNING & EVACUATION, RELOCATION, ACQUISITION, ELEVATED BUILDING, DRAINAGE IMPROVEMENTS, LEVEE/FLOODWALL, SHORELINE STABILIZATION, NNB LIVING SHORELINES, VEGETATED FEATURES, OYSTER & CORAL REEFS, MARINE FORESTS, NNB BEACH & DUNE RESTORATION, BREAKWATERS SPONS, MARITIME FOREST, TIDAL ESTUARY, BARRIER ISLAND.

Labels: FUTURE SEA LEVEL, EXISTING SEA LEVEL, PROGRAMMATIC MEASURES.



# PROBLEMS, OPPORTUNITIES, OBJECTIVES AND CONSIDERATIONS

## PROBLEMS

- The geographic location, low elevation, and high population of Miami-Dade County make it vulnerable to storm surge from hurricanes and tropical storms.
- Increasing high tides and king tides resulting from sea level rise result in recurrent flooding to roads and properties.
- Increasing groundwater elevations from sea level rise result in flood risks to inland areas.
- Increasing flooding from rain events due to the higher groundwater elevations and higher tailwater elevations from sea level rise threaten properties and infrastructure.

## OPPORTUNITIES

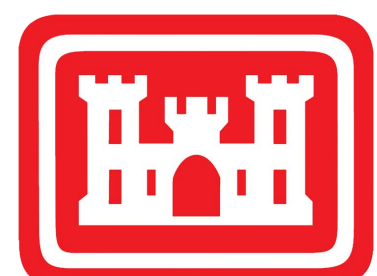
- Reduce risk of loss of life due to high flooding events or infrastructure failure
- Reduce coastal storm-related economic damages and improve economic resiliency of the local economy and communities, particularly low-income communities
- Increase resiliency and structural integrity of critical infrastructure
- Reduce transportation and evacuation route impacts during high flooding events
- Utilize available natural areas and open spaces for improving wave attenuation, water retention, and/or water storage

## OBJECTIVES

- Increase the resiliency of Miami-Dade County to function effectively before, during, and after coastal storm events by decreasing the vulnerability of critical infrastructure to flooding damages SLR and storm surge.
- Reduce economic damages to structures in communities vulnerable to severe flooding damages from SLR and storm surge.
- Incorporate natural and nature based features to reduce flood damages and complement the recommended nonstructural and structural measures.

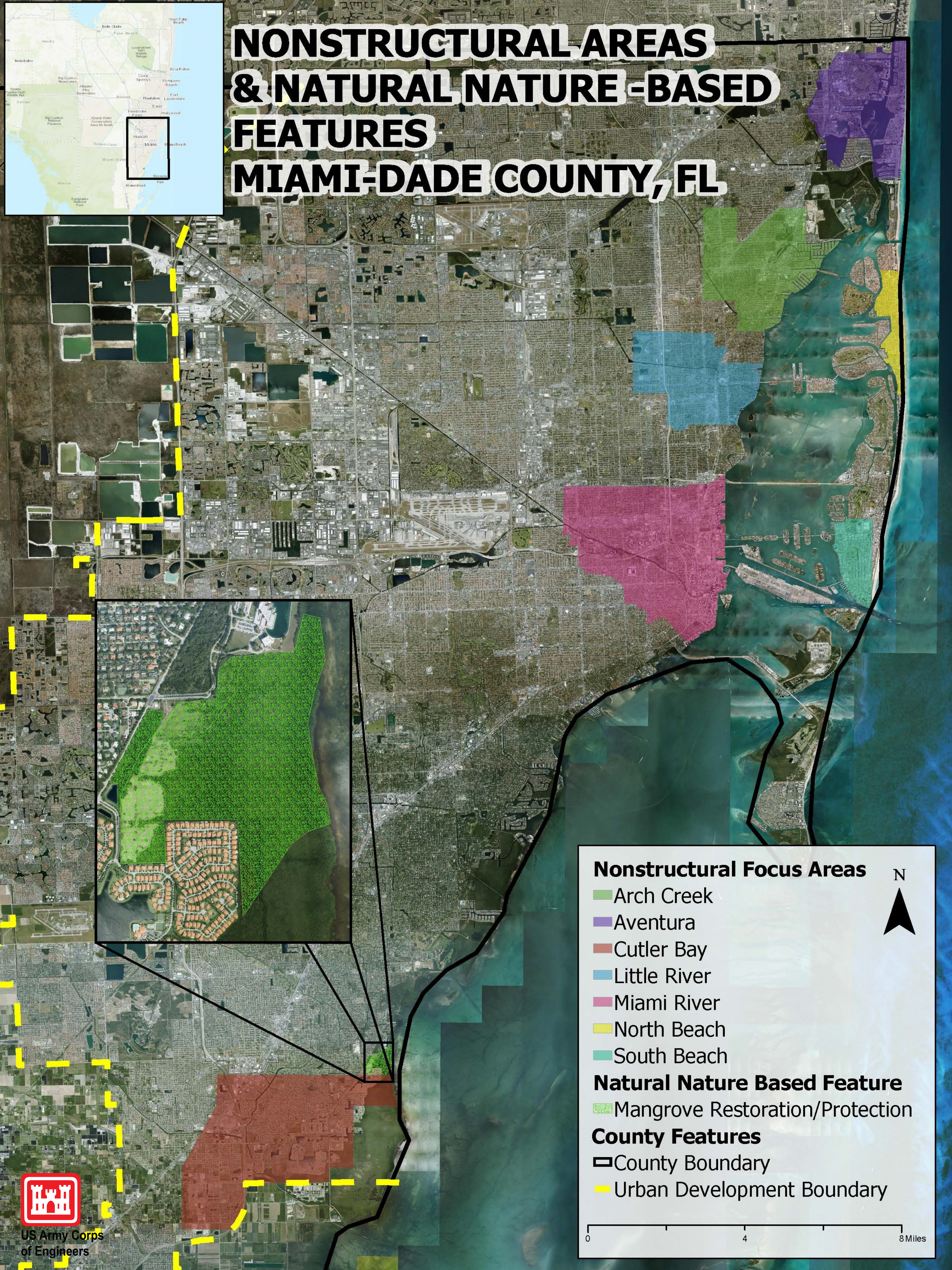
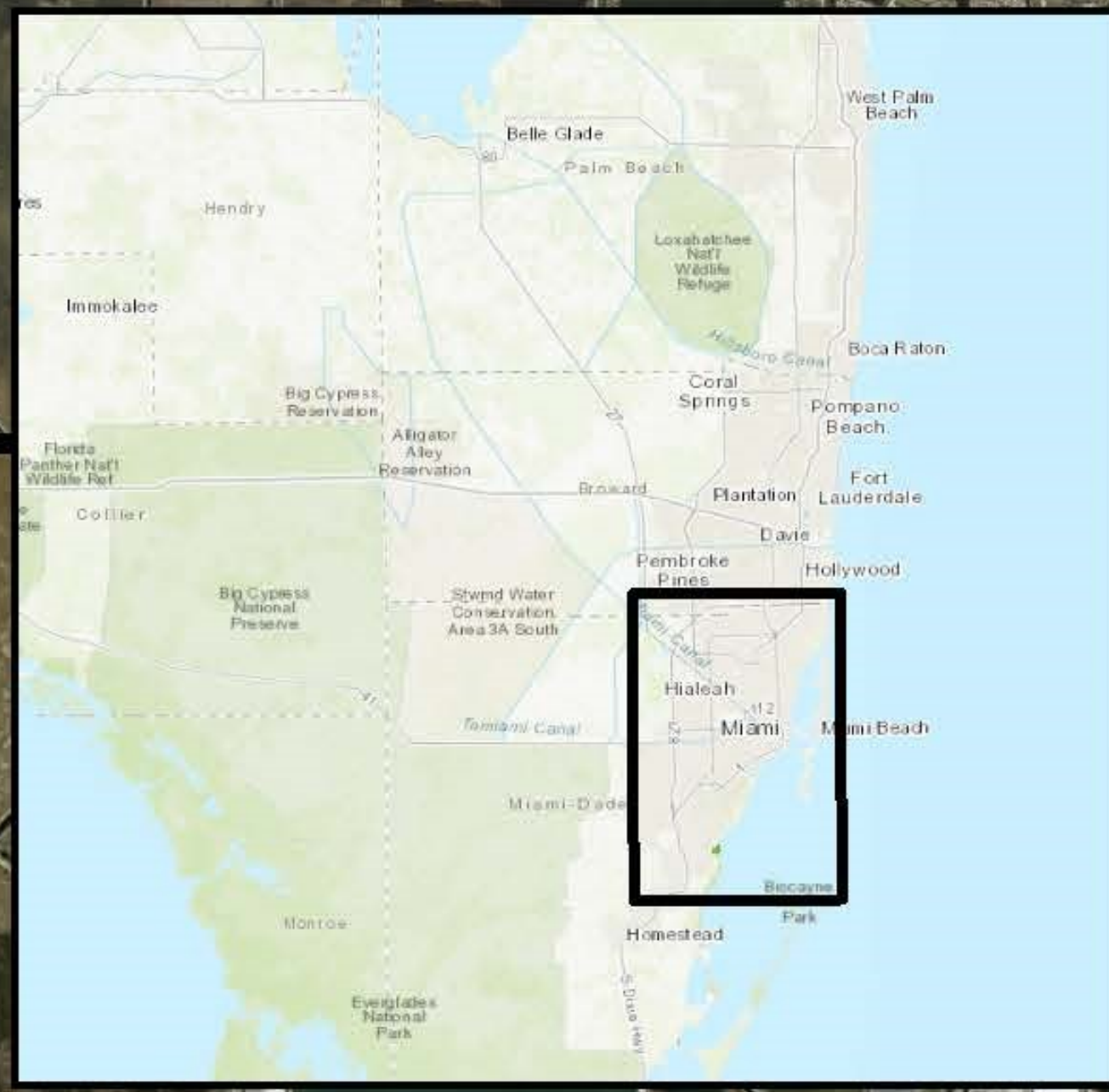
## CONSTRAINTS AND CONSIDERATIONS

- Avoid creating or exacerbating flooding within the project area, to other local municipalities, and to local military installations
- Avoid flooding solutions for the study area that would induce increased flooding issues in locations outside of the study area
- Avoid impacts to environmental and cultural/historic resources in the study area and nearby (e.g. Everglades NP, Biscayne Bay NP)
- Cannot exacerbate saltwater intrusion which will negatively impact fresh water for drinking and agriculture





# NONSTRUCTURAL AREAS & NATURAL NATURE-BASED FEATURES MIAMI-DADE COUNTY, FL



## Nonstructural Focus Areas

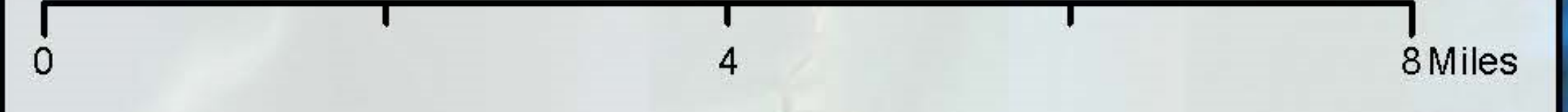
- Arch Creek
- Aventura
- Cutler Bay
- Little River
- Miami River
- North Beach
- South Beach

## Natural Nature Based Feature

- Mangrove Restoration/Protection

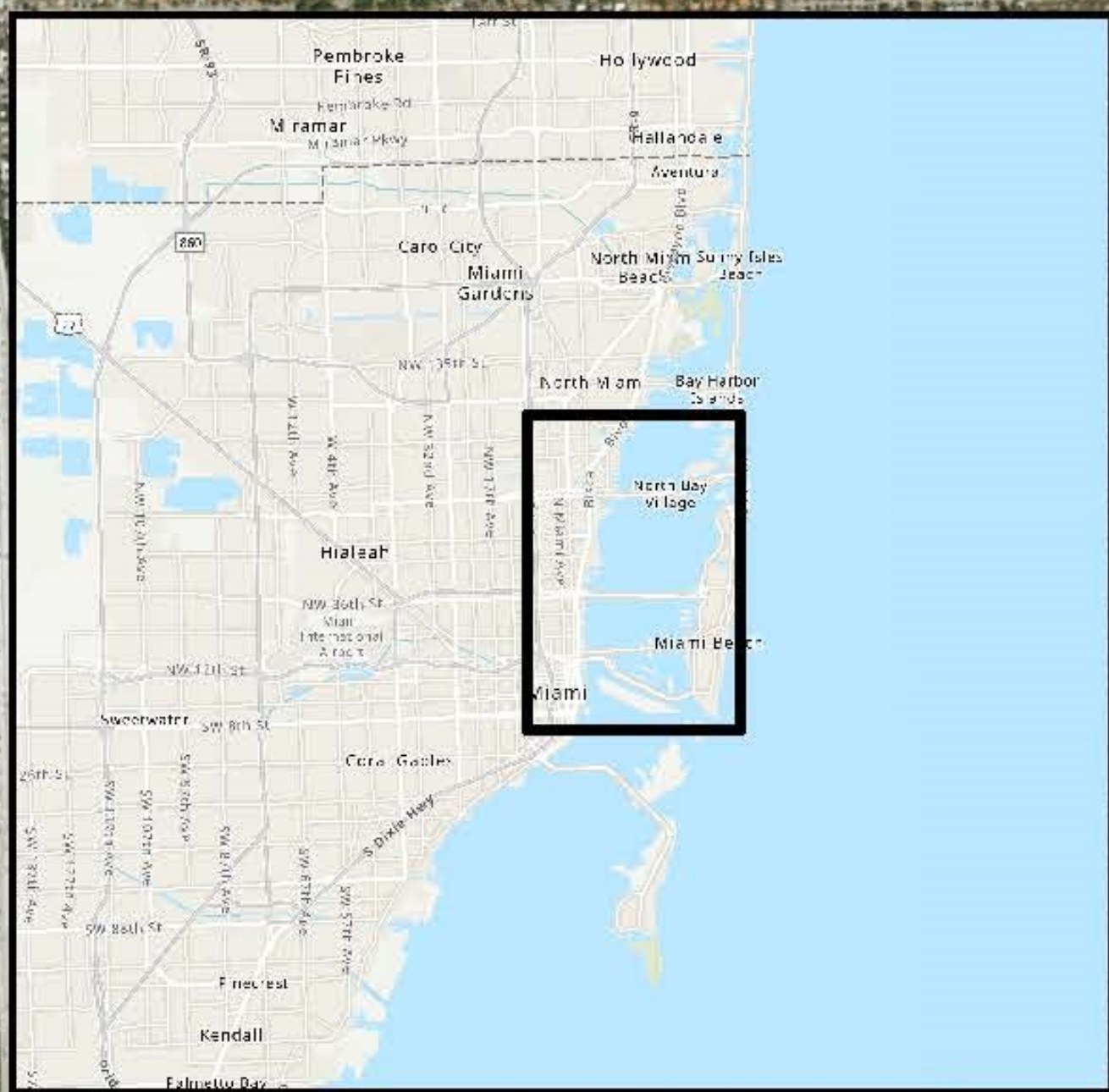
## County Features

- County Boundary
- Urban Development Boundary





# PROPOSED STRUCTURAL MEASURES & ALIGNMENTS MIAMI-DADE COUNTY, FL



1.

2.

3.

1.

2.

4a.

4b.

4a.

4b.

- 1. Biscayne Canal Surge Barrier
- 2. Little River Surge Barrier
- 3. Edgewater Floodwall
- 4a. Miami River Surge Barrier Option A
- 4b. Miami River Surge Barrier Option B









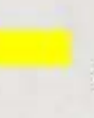
- Structural Measures
- █ Floodwall
- █ Surge Barrier
- █ Pump Station

\*DRAFT alignments for proposed structural measures

0 0.25 0.5 1 Miles



# CRITICAL INFRASTRUCTURE MIAMI-DADE COUNTY, FL

-  Treatment Plant
-  Hospital
-  County & Municipal Fire Station
-  County & Municipal Police Station
-  EOC Command Center
-  Urban Development Boundary
-  County Boundary



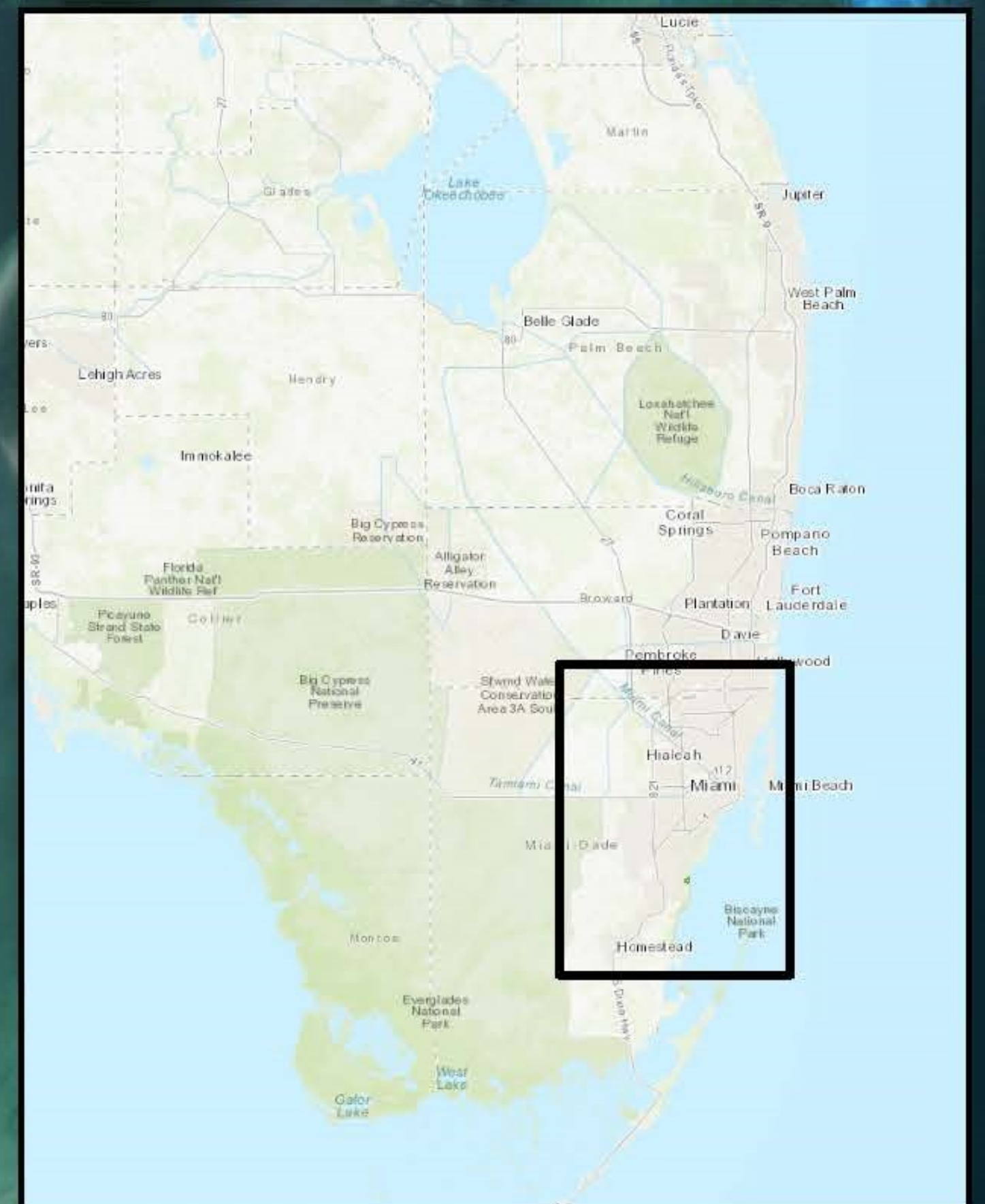
Critical Infrastructure (CI) will continue to be refined as the study progresses.

\*CI includes pump stations and evacuation shelters, though these CI are not displayed in the map.

0 2.5 5 10 Miles



US Army Corps  
of Engineers





# **Miami River Commission's Stormwater Subcommittee December 4, 2019 Meeting Minutes**

The Miami River Commission's (MRC) Stormwater Subcommittee (SSC) held a public meeting on December 4, 2019, 10 AM, 1407 NW 7 Street, Miami, FL. The SSC's previously distributed September 4, 2019 public meeting minutes were accepted. The attendance sign in sheet is attached.

## **I. "Walk the WBID" Water Body Identification (WBID) for the Miami River**

Ms. Elyrosa Estevez, City of Miami, stated the City of Miami is in the process of renewing their 3 year contract, at \$250,000 per year, for the Scavenger Water Decontamination Vessel, which collects floating debris, decontaminates 600,000 gallons of water per hour, and injects 150,000 liters of oxygen per hour into the water, which improves water quality.

Ms. Elyrosa Estevez, City of Miami, stated on December 3 at 11 AM a water line broke at the 1 ST bridge replacement site, which created significant turbidity in the Miami River. The broken water line was quickly repaired, by 1 PM. The City of Miami issued a \$1,000 water quality violation fine. MRC Director Bibeau thanked FDOT for contracting the Scavenger Water Decontamination Vessel that same day, to provide an hour of needed oxygenation and water decontamination next to the 1 ST Bridge.

MRC Director Bibeau distributed a picture he took during a king tide of a massive amount of water gushing out of an open manhole cover, 2 feet into the air and flooding an area in Little Havana across the street from a school. Elyrosa Estevez, City of Miami, stated they cleaned the line and welded the manhole cover back on with a water tight seal, but the pressure of the water was so great it popped the welded manhole cover off again during king tide when the water flooded the street again. Therefore, the City of Miami will now install a pressurized man hole cover.

The MRC Stormwater subcommittee distributed reviewed and discussed a City of Miami exhibit depicting all the proposed and completed locations for back flow preventers to be installed along the Miami River and Biscayne Bay using "Miami Forever" GOB Bond Issue funding. Elyrosa Estevez, City of Miami, provided an updated exhibit, which now included additional future back flow preventer locations on the Miami River, which per MRC Director Bibeau's previous suggestion now includes future locations along the Miami River both east of I-95 and west of 12 Ave. The backflow preventers cost estimated \$34,000 - \$62,000, and are estimated to all be installed by December 2020.

## **II. "Miami River Basin Water Quality Improvement Report's Agency Quarterly Implementation Progress Reports**

Mr. Omar Abdelrahman distributed and presented Miami Dade County's Department of Environmental Resource Management's (DERM) quarterly Miami River Basin Water

**PUBLIC DOCUMENT**



Quality Improvement Plan's progress report. The most alarming water quality violations were detected at Wagner Creek testing location 4, where 15,000 and 8,500 (cfu's / 100ml) E. Coli Bacteria was found, while the County's clean water standard is only 126 (cfu/100ml). Mr. Abdelrahman, DERM, stated Miami-Dade County is contracting an engineer to investigate with cameras to look for illicit discharges.

### **III. New Business**

The MRC SSC's next quarterly public meeting will be March 4, 2020, 10 AM, 1407 NW 7 ST.

The meeting adjourned.



**Miami River Commission's  
Stormwater Subcommittee Meeting**

Wednesday, December 4, 2019  
10:00 AM  
1407 NW 7 ST  
Miami, FL

<u>NAME</u>	<u>ORGANIZATION</u>	<u>PHONE / FAX / EMAIL</u>
Arita Nash	FDEP	
Ely Estevez	City of Miami	
Brett Bibeau	MRC	
Jack Schneider	RMK-Merrill-Stevens	305-934-1411
Catherine Lockner	Miami Today	786 374 4656
RICK VEBER	SGCA	richardveber@yahoo.com
Omar Abdelrahman	DERM	



**Miami River Commission**  
**Meeting Minutes**  
**November 4, 2019**

The Miami River Commission (MRC) public meeting convened at noon, November 4, 2019, 1407 NW 7 ST.

**Miami River Commission (MRC) Policy Committee Members and/or Designees attending:**

Horacio Stuart Aguirre, MRC Chairman, Appointed by Governor Scott  
Frank Balzebre, MRC Vice-Chair, designee for Miami-Dade County Mayor Carlos Gimenez  
Patty Harris, designee for Governor  
County Commissioner Eileen Higgins  
Maggie Fernandez, designee for County Commissioner Eileen Higgins  
John Michael Cornell, designee for Member at Large Appointed by the Governor  
Sallye Jude, Neighborhood Representative Appointed by the County Commission  
Philip Everingham, designee for Miami Marine Council  
Neal Schafers, Downtown Development Authority  
Bruce Brown, Miami River Marine Group  
Sandy O'Neil, designee for Greater Miami Chamber of Commerce  
Roselvic Noguera, designee for Sara Babun  
Tom Kimen, designee for Neighborhood Representative appointed by City of Miami

**MRC Staff:**

Brett Bibeau, Managing Director

**Others attending interested in the River:**

Please see attached sign in sheets.

**I) Chair's Report – MRC Chairman Horacio Stuart Aguirre**

The 9<sup>th</sup> Annual Miami River Calendar for 2020 is in final design, and will be distributed next month. I thank all the advertisers for their strong support of the Miami River District.

The free 24<sup>th</sup> Annual Miami Riverday will be held April 4, 2020, featuring free Miami River boat rides, live music, environmental education, historic re-enactors, children activities, food, drinks, and more. Sponsorships are currently available.

In addition, advertisements are currently for sale in the 17<sup>th</sup> Annual Miami River Map and Guide, which is released at Miami Riverday.

MRC Vice Chairman Frank Balzebre provided the following Miami River Voluntary Improvement Plan (VIP) update:

The Miami River Commission has been actively assisting the efforts of the City, County, State, and private sector to clean up the Miami River District. The MRC thanks the 30 Hands on Miami



Volunteers, whom on October 12 planted over 200 new vegetable and fruit plants in the public Riverwalk's community vegetable and fruit garden. In addition, the volunteers picked up garbage along the Miami River's shoreline here at Robert King High. The next volunteer event maintaining the public Riverwalk's community vegetable and fruit garden, and picking up garbage along the shoreline, is scheduled on November 23.

## **II) Preliminary Informational Discussion Regarding the Future U.S. Army Corps of Engineer's "Miami-Dade Back Bay Coastal Storm Risk Management Feasibility Study"**

Katie Hagemann, Miami-Dade County Department of Resilience, distributed and presented the following 2 U.S. Army Corps of Engineers documents: 1. "Miami-Dade Back Bay Coastal Storm Risk Management Feasibility Study's Process, Key Decision & Product Milestones" 2. "Miami Dade County Coastal Storm Risk Management Feasibility Study" summary. The U.S. Army Corps of Engineer's participated via speaker phone.

The Army Corps of Engineers provided the full \$3 million to conduct this nearly 3-year study, which commenced in January 2019, and is estimated to be complete in September 2021. Miami Dade County is serving as the "Local Project Sponsor". Ms. Hagemann explained the U.S. Army Corps of Engineer's "Miami Dade Back Bay Coastal Storm Risk Management Feasibility Study" is required to be complete in order for projects addressing Storm Surge to become eligible for a potential 2/3 federal cost share. The Study will include, "Management Measures for Consideration" designed to protect real estate and critical facilities in vulnerable communities from storm surge, in the following three categories:

1. Structural • Floodwall / Levees • Surge Barriers • Bulkheads • Deployable Floodwalls
2. Nonstructural • Higher Floodplain Standards • Enhanced Warning System
3. Natural and Nature Based • Wetland Restoration

The federal Government provided the majority of the funding for existing "floodwalls" and "surge barriers" in New Orleans and Norfolk Virginia. The study will identify, "Problems, Opportunities, Objectives, Constraints & Considerations", and includes a cost benefit analysis. Ms. Hagemann stated Miami-Dade County and the U.S. Army Corps of Engineers wants the involvement of the Miami River Commission and general public. The next milestone is the Integrated Feasibility Report, with a draft Environmental Impact Statement (EIS).

Commissioner Higgins noted the distributed document depicts 2 options for the moveable "Surge Barrier" and "Floodwall". Option "4a" is located east of I-95, and located 4b is located along Brickell Ave. Commissioner Higgins suggested adding an option 4c, which would be located east of Brickell Ave in order to provide protection for the properties located east of Brickell Ave.



### **III. Miami River Commission Subcommittee Reports**

#### **A. Greenways Subcommittee**

Since the City and County's adoption of the *Miami River Greenway Action Plan*, of the planned 10-mile public Miami River Greenway, 6.5 miles are complete. Currently the public Riverwalk is under construction at River Landing, Aston Martin, 1 ST Bridge, One River Point Gramps on the River, and Riverside Miami. The MRC thanks the FDOT for awarding \$2 million in 2 federal grants to the City of Miami to construct the next section of the public Miami River Greenway. The MRC is pursuing multiple public and private funding sources for the remaining funding needed to construct and help maintain the remaining sections of the public Riverwalk.

#### **B. Stormwater Subcommittee**

On Behalf of the MRC, Stormwater Subcommittee Chair Sallye Jude thanked Commissioner Higgins, Mayor Gimenez, and the entire Board of County Commissioners, whom recently approved \$140,000 in the County's current budget to renew the contract with the Miami River Commission for continued Scavenger Water Decontamination Vessel services, which are providing significant needed improvements to water quality in the Miami River.

### **III. New Business**

The meeting adjourned.



**Miami River Commission  
 Public Meeting**

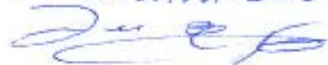
Monday, November 4, 2019  
 Noon  
 1407 NW 7 ST  
 Miami, FL

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 Noon  
 1407 NW 7 ST  
 Miami, FL

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