

Historic Preservation Board Presentation

HPB23-0590
DESIGN, MANUFACTURE, INSTALL, OPERATE, AND
MAINTAIN INTERACTIVE DIGITAL MEDIA KIOSKS

March 12, 2024





1

COMPANY INTRODUCTION & PRECEDENT

EXPERT & VERTICALLY INTEGRATED TEAM



OVER **135 ASSOCIATES** WORKING TOWARDS A COMMON GOAL.

THE TRUE SMART CITY HUB

OBJECTIVES



DISCOVERY

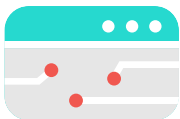


MOBILITY



EQUITY

PLATFORM



WORLD-CLASS SOFTWARE



FLEXIBLE AND RESPONSIVE



CONTINUOUS INNOVATION



Please click to learn why cities across the country are choosing IKE.

NETWORKS IN SMART CITIES NATIONWIDE

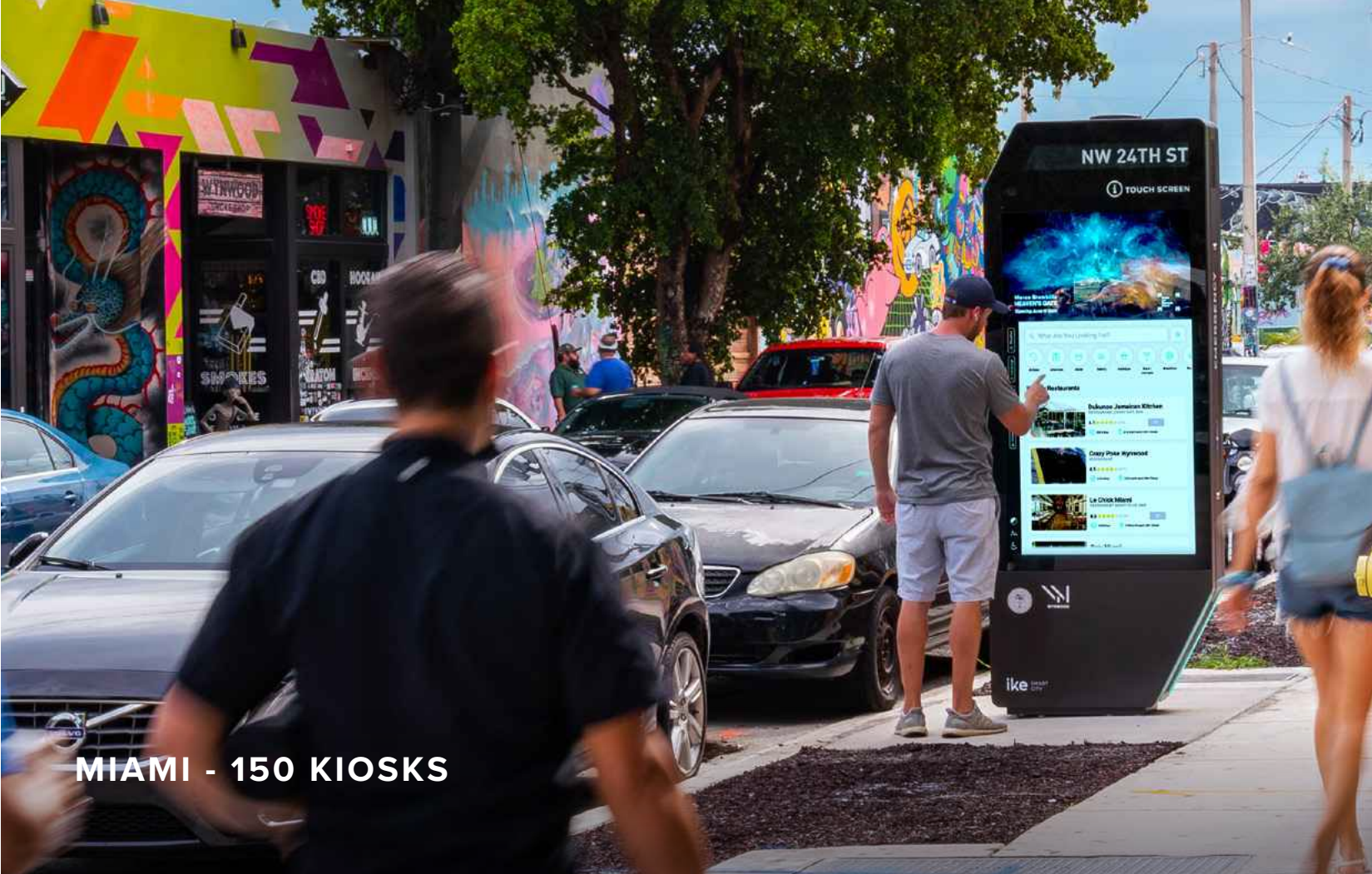


EXPERIENCE IN SOUTH FLORIDA

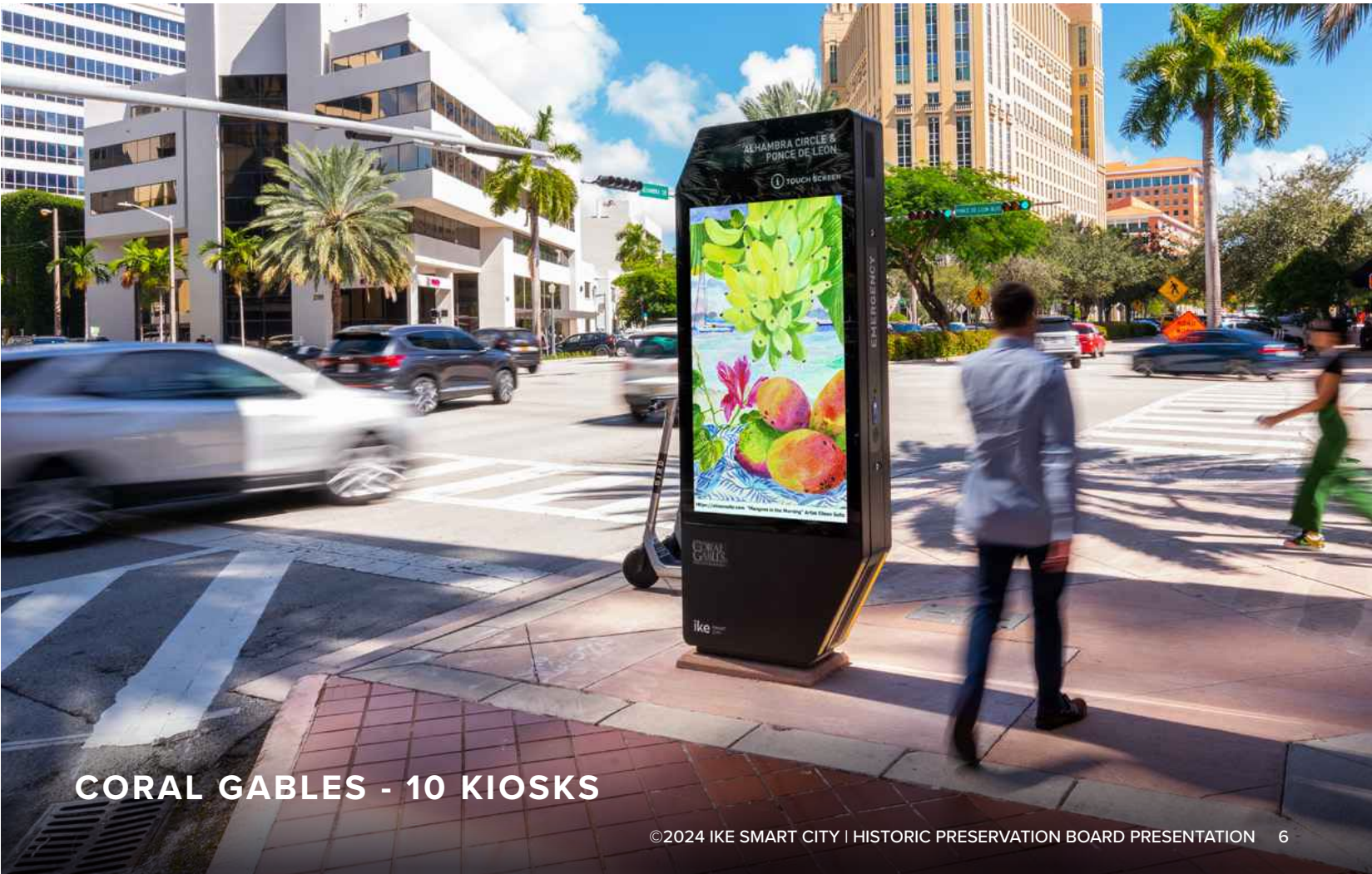
IKE Smart City has several years of experience working in South Florida, most notably with our IKE installations in Miami and Coral Gables.



Watch Miami Mayor Francis Suarez discuss how IKE adds value to the City in an episode of his social media video series, Cafecito Talk.



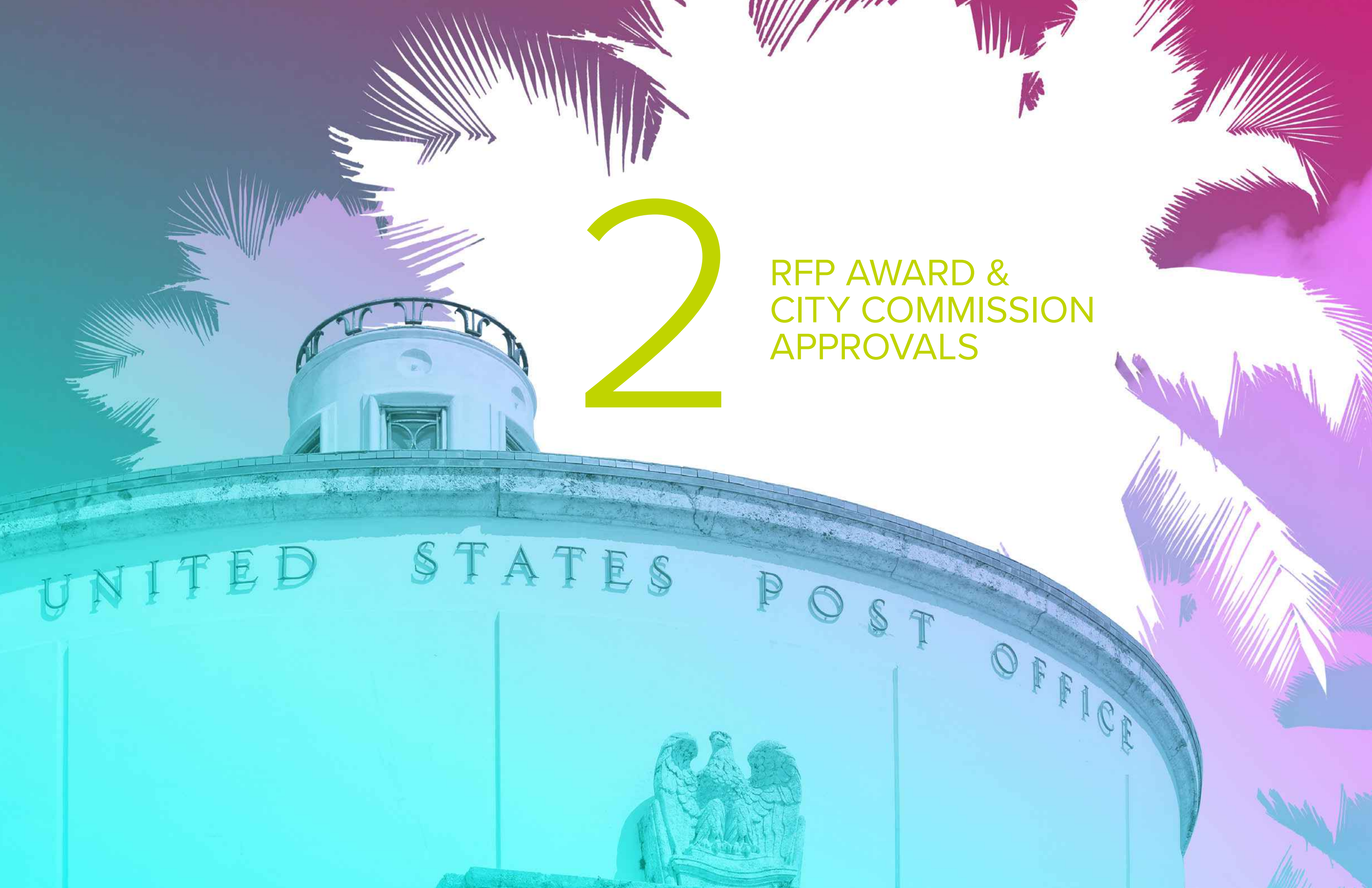
MIAMI - 150 KIOSKS



CORAL GABLES - 10 KIOSKS

2

RFP AWARD &
CITY COMMISSION
APPROVALS



RFP AWARD & CITY COMMISSION APPROVALS

KEY DATES

- ▶ **April 2022:** The City issued an RFP for interactive digital media kiosks
- ▶ **December 2022:** IKE was awarded the RFP
- ▶ **January 2023:** The City Commission upheld the recommendation of IKE being the selected vendor and authorized the City Manager to begin contract negotiations
- ▶ **June 2023:** The Mayor and City Commission approved the business terms of the agreement
- ▶ **July 2023:** The agreement between IKE and the City was fully executed
- ▶ **December 2023:** IKE presented to the Historic Preservation Board and requested a continuance

COMMUNITY OUTREACH

IKE sent a City-wide mailer with HPB and DRB meeting dates, attendance options, and a summary of the project.

Additionally, the following groups have provided letters in support of IKE:

- ▶ Washington Avenue BID
- ▶ Lincoln Road BID
- ▶ Collins Park Neighborhood Association
- ▶ Miami Design Preservation League (12/11 Blog)
- ▶ Oolite Arts
- ▶ Wolfsonian-FIU
- ▶ Faena Group
- ▶ The Ritz-Carlton, South Beach
- ▶ Kimpton Angler's Hotel
- ▶ Queen Miami Beach



CONTENT STANDARDS

IKE Smart City will not display:

- ▶ Anything that has a strobing effect or visually replicates a traffic sign in colors and words;
- ▶ anything that is false or misleading;
- ▶ material that is immoral, lascivious, or obscene;
- ▶ businesses engaged in any activity that requires the exclusion of minors;
- ▶ anything that promotes unlawful or illegal goods, services or activities;
- ▶ tobacco or tobacco related products;
- ▶ firearms;
- ▶ sexual services, programs or products;
- ▶ political advertisements;
- ▶ competitive products included in any citywide exclusive sponsorship agreement with non-alcoholic pouring rights providers;

- ▶ advertisements relating to medical marijuana; and
- ▶ any such additional category of advertising that may be added by the Mayor and City Commission.

Any prohibited or unacceptable material, as determined by the City Manager, shall be removed upon written notice to IKE Smart City within 24 hours.



3

KIOSK DESIGN,
SPECIFICATIONS,
FUNCTIONALITY &
BENEFITS

KIOSK DESIGN - ARCHITECT PARTNERSHIP

IKE has partnered with architect William Lane to generate a one-of-a-kind kiosk design that captures the history, architecture, and personality of Miami Beach.

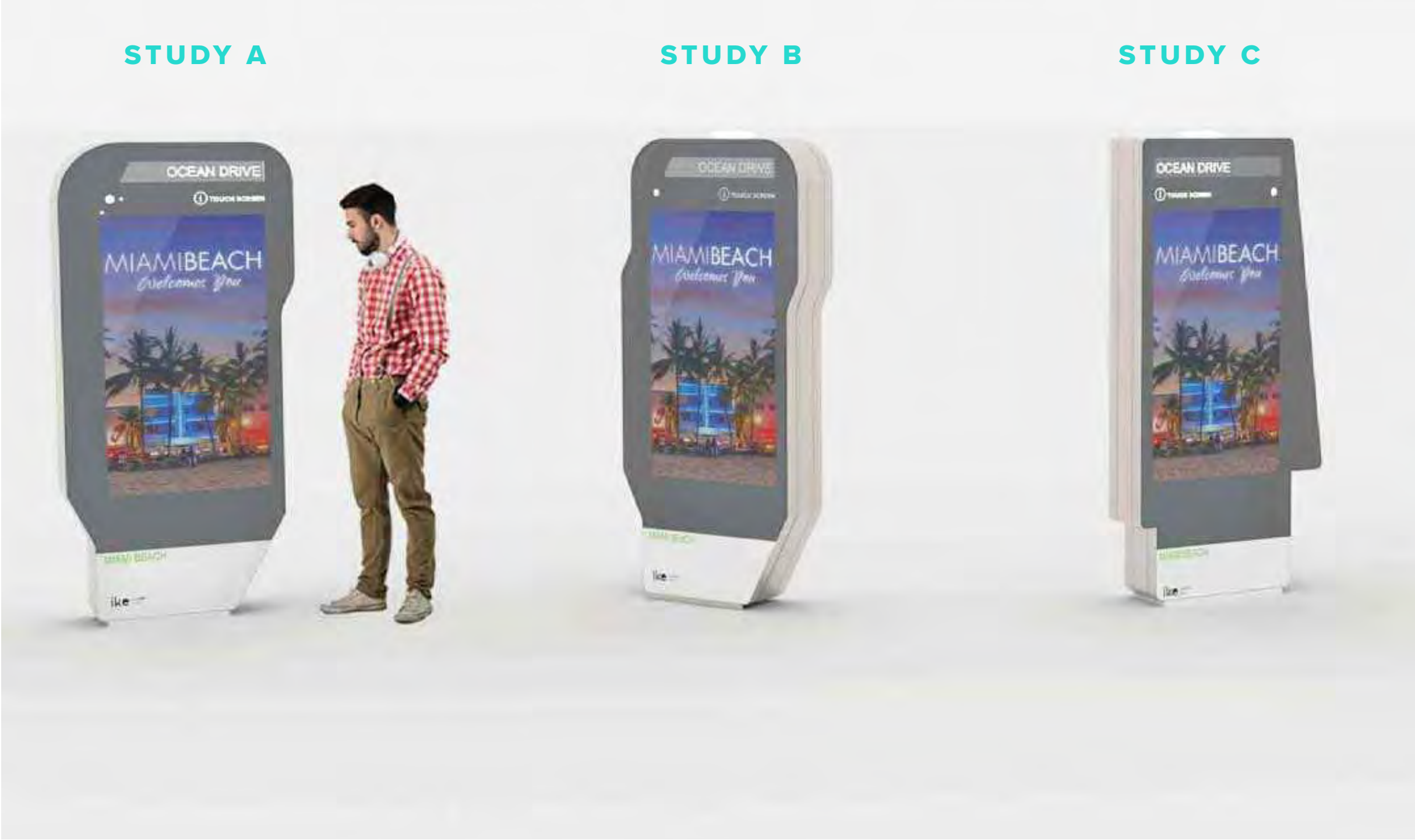
The design by William Lane is inspired by the iconic architecture of the City. He has developed a figurative version of the IKE prototype, adding subtle movement to the more static base design.

Additionally, an alternate design is included that has several color options, allowing for customization where appropriate.

The design process is detailed on the following pages.



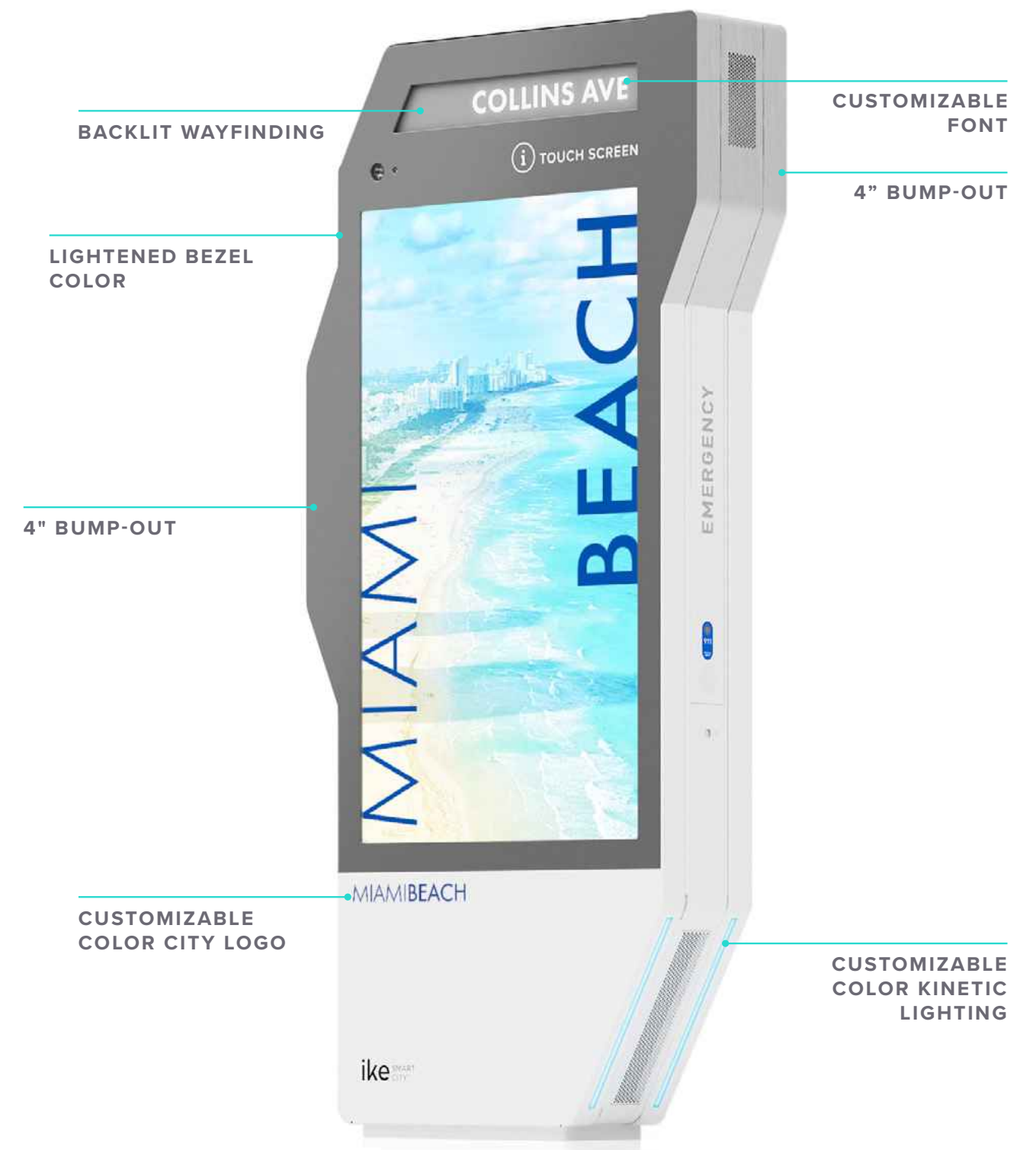
KIOSK DESIGN - STUDIES



KIOSK DESIGN 1

DESIGNED BY WILLIAM LANE

- ▶ Using our original IKE prototype, William Lane developed a design that transforms IKE's classic shape into a unique version that is specific to Miami Beach. By adding 4" projections to each side of the kiosk, he introduced movement, symmetry, and an organic sensibility.
- ▶ The proposed modified kiosk shown to the left has a neutral palette and would be used as the standard design in the various designated locations throughout the City.



KIOSK DESIGN 1 - COLOR VARIATIONS

In exploring an alternative design concept for specific kiosk locations, William Lane considered the vibrant history of color in Miami Beach and in particular the rich palette of pastels that Leonard Horowitz, co-founder of the Miami Design Preservation League used to draw attention to the Art Deco architecture that had gone into dereliction. The customized colors act to further this sense of identity that has become synonymous to Miami Beach.



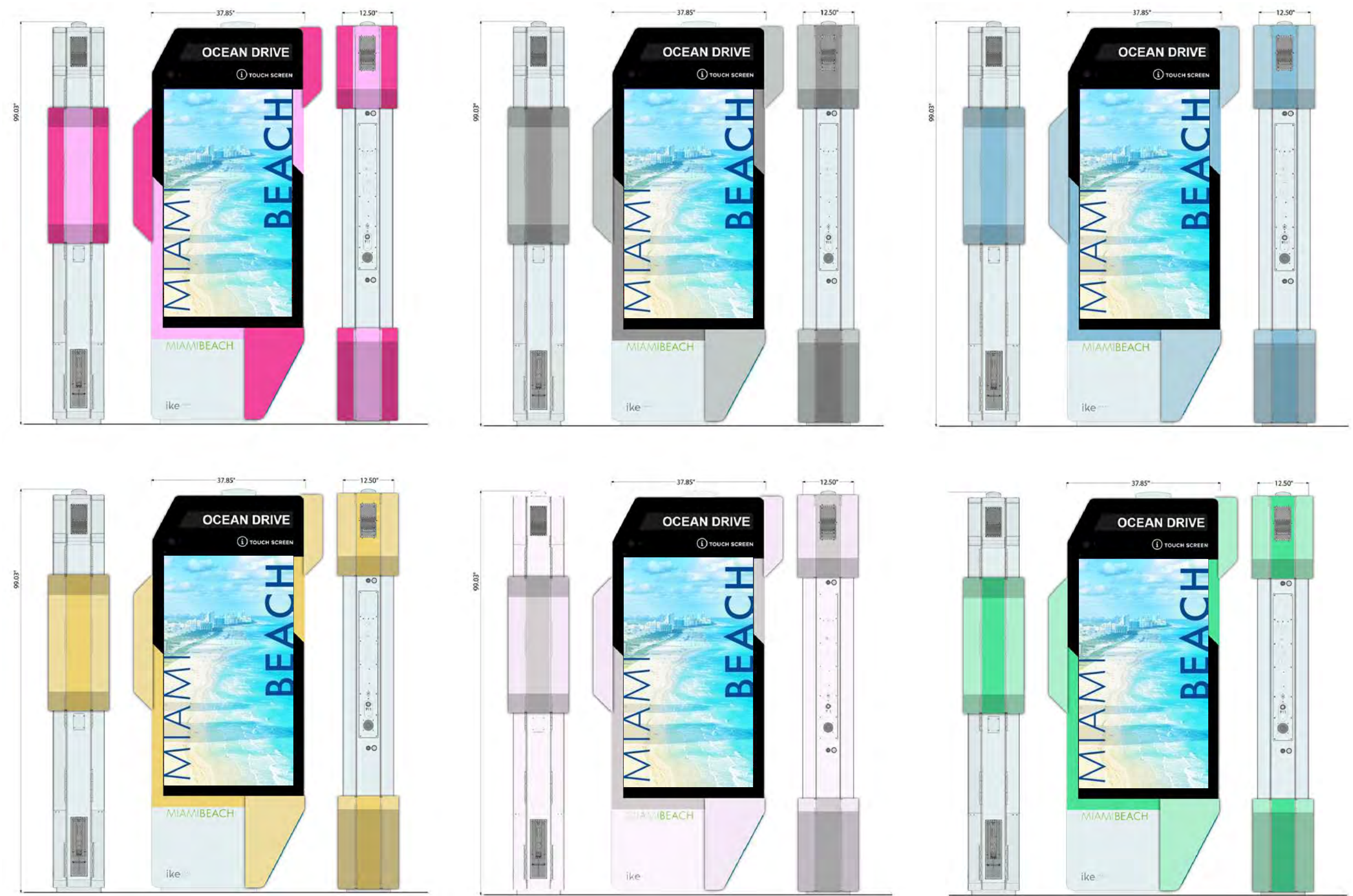
KIOSK DESIGN 2

DESIGNED BY WILLIAM LANE

- ▶ In addition to the new standard design, William Lane created an alternate kiosk design to be incorporated into specific curated locations, serving as a collection of markers throughout the City.
- ▶ Evolving from the new design standard, he explored a more sculptural and graphic prototype. This alternate option is detailed in a neutral palette, or could be altered with color variations shown on the following pages.



KIOSK DESIGN 2 - COLOR VARIATIONS



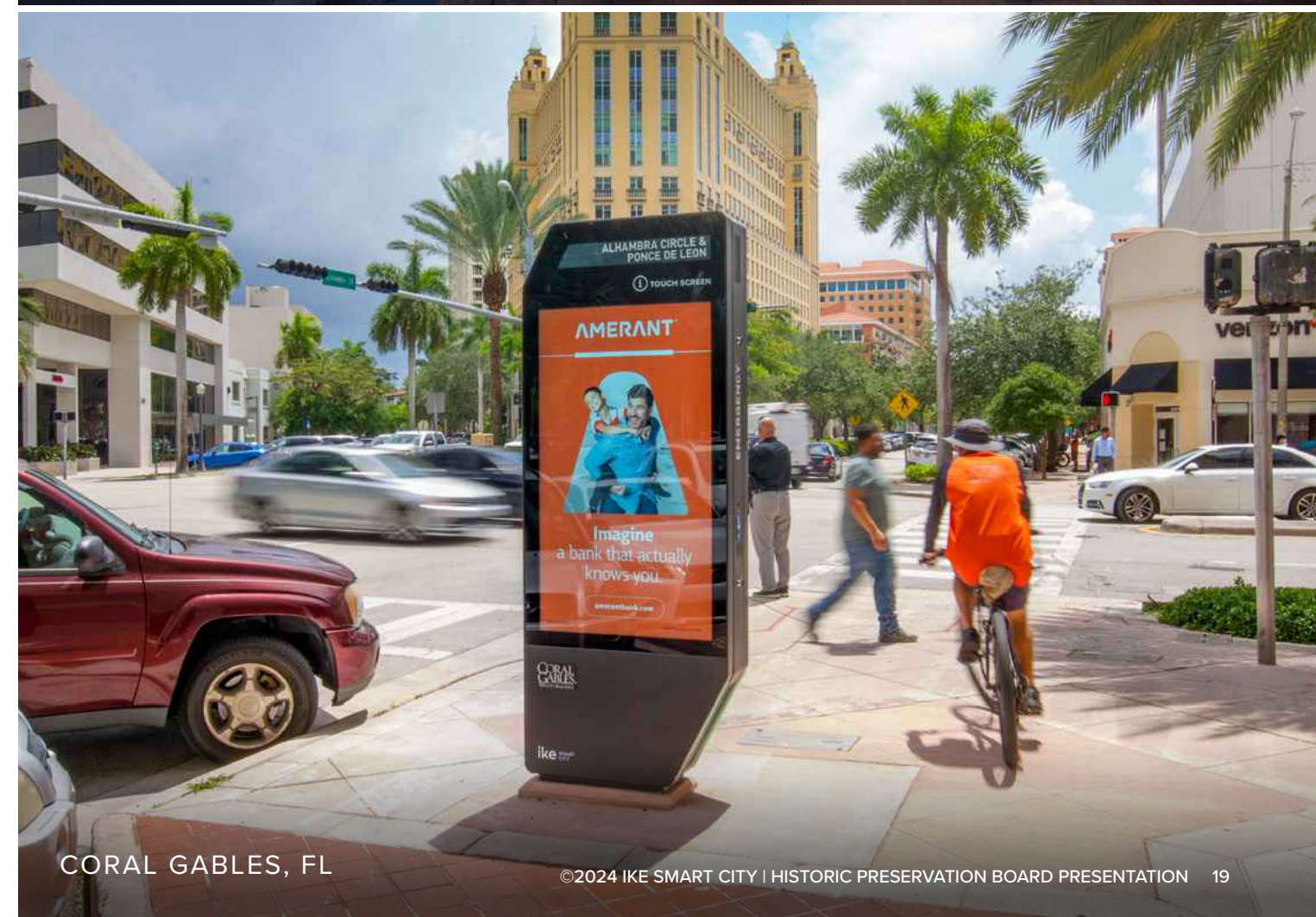
KIOSK SPECIFICATIONS



HARDWARE	DESCRIPTION	
PHYSICAL	• Size: (H x W x D) 8' 3.5" x 3' 9.5" x 1' 0.5" • Weight: 890 lbs • Required sidewalk area: 6' 2" x 6' 4" • 6' 2" x 3' level area on both sides of the kiosk is provided in compliance with building codes	
POWER SOURCE	• 20A @ 120V / 15A @ 240V • Max power consumption 1920W • Connects to new or existing metered/unmetered utility service as needed, fed from underground in the sidewalk • Evaluated to UL Safety Standards by a Nationally Recognized Testing Laboratory (NRTL)	
TOUCHSCREEN DISPLAYS	• Screen size: 65" (5' 5") • Screen type: IPS LCD • Resolution: 1920 x 1080 • Aspect ratio: 16:9 • Active image area : 4' 8.2" x 2' 7.6"	• Viewing angle: (H x V) 178° x 178° • Direct LED backlight • Brightness: 4000 nits, auto-adjusted by ambient light sensors • Supports polarized sunglasses
INTERNET CONNECTIVITY	• Wireless Access Point for free public Wi-Fi • Hotspot within a 75' radius • Connectivity provided by mobile modem, LTE Advanced with SIM-based auto-carrier • Fiber optics possible but not required	
STANDARD/OPTIONAL CAMERAS	• Standard configuration: Two integrated video cameras for novelty use in Photo Booth application • Optional technology: One emergency call camera and two security cameras with a DVR recording system	
OPTIONAL EMERGENCY CALL SYSTEM	• Emergency call button with an integrated cellular connection module connects to local emergency authorities when pressed • Integrated speaker provides two-way audio communication and pinhole camera allows emergency services to see the caller and surroundings	
ADA COMPLIANCE	• Minimum touchscreen height (ADA enabled) = 1' 3" • Maximum touchscreen height (ADA enabled) = 4' • Side reach maximum (i.e. footing-to-screen distance) = 10" • Leading edge of protrusion less than 2' 3"	

RESILIENT KIOSK DESIGN

- ▶ Corrosion-resistant for a minimum of 15 years
- ▶ Dust- and water-resistant to a rating of IP-56
- ▶ Shatterproof tempered glass doors laminated with optical clear resin
- ▶ Operating temperature of -20° to 120° Fahrenheit and 5% to 95% humidity
- ▶ Withstands direct sunlight up to 300W per square meter of solar load
- ▶ Rated to withstand hurricane-force winds of up to 165 mph (including glass and foundation)
- ▶ Flood sensor automatically powers down the system if water line reaches 18” from the base of the kiosk



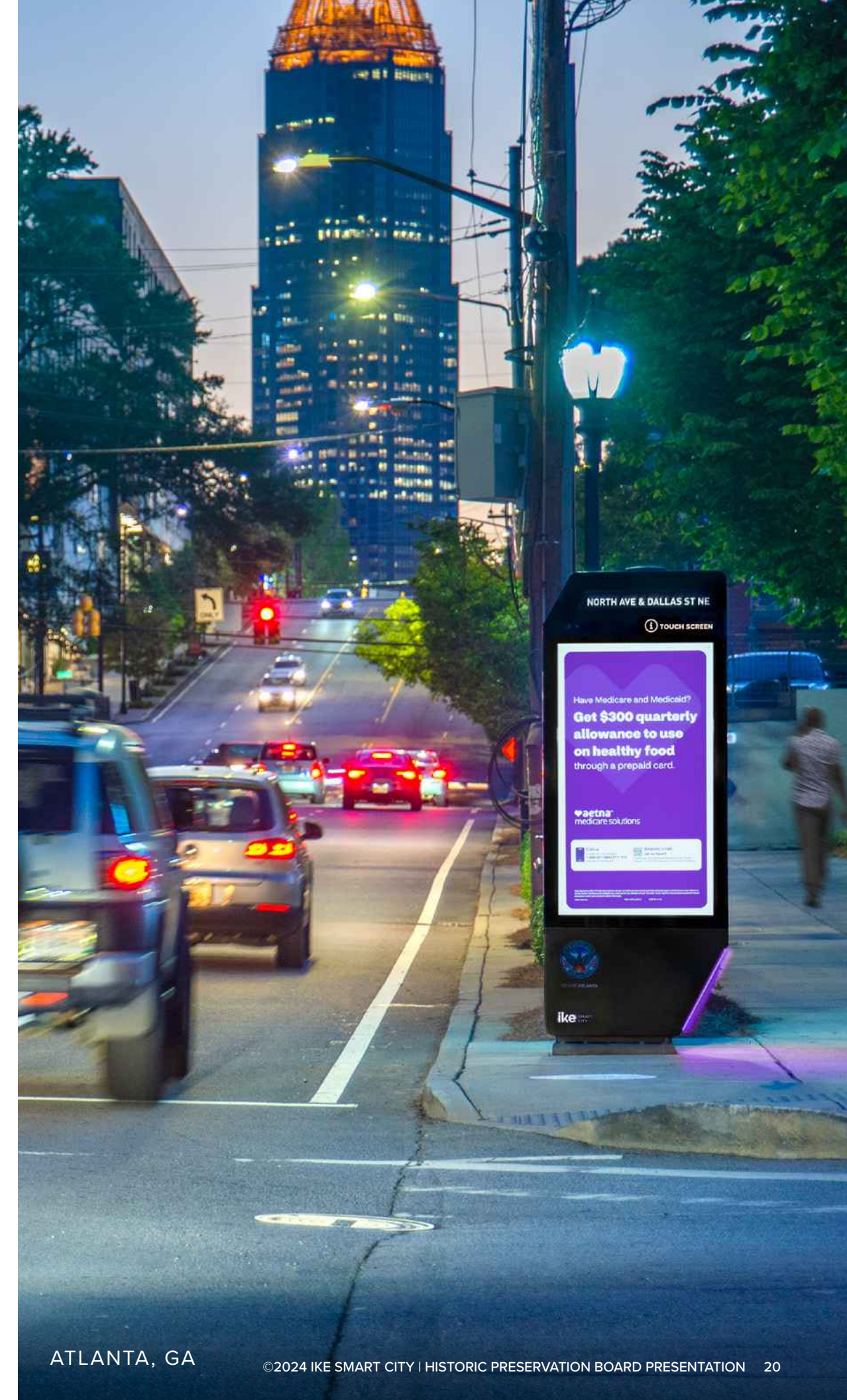
ILLUMINATION DETAILS

SPECIFICATIONS

- ▶ 65” dual-sided digital screens
- ▶ Native resolution: 1920 x 1080
- ▶ Illumination measurement: 320 NIT - 4,000 NIT

BRIGHTNESS CONTROLS

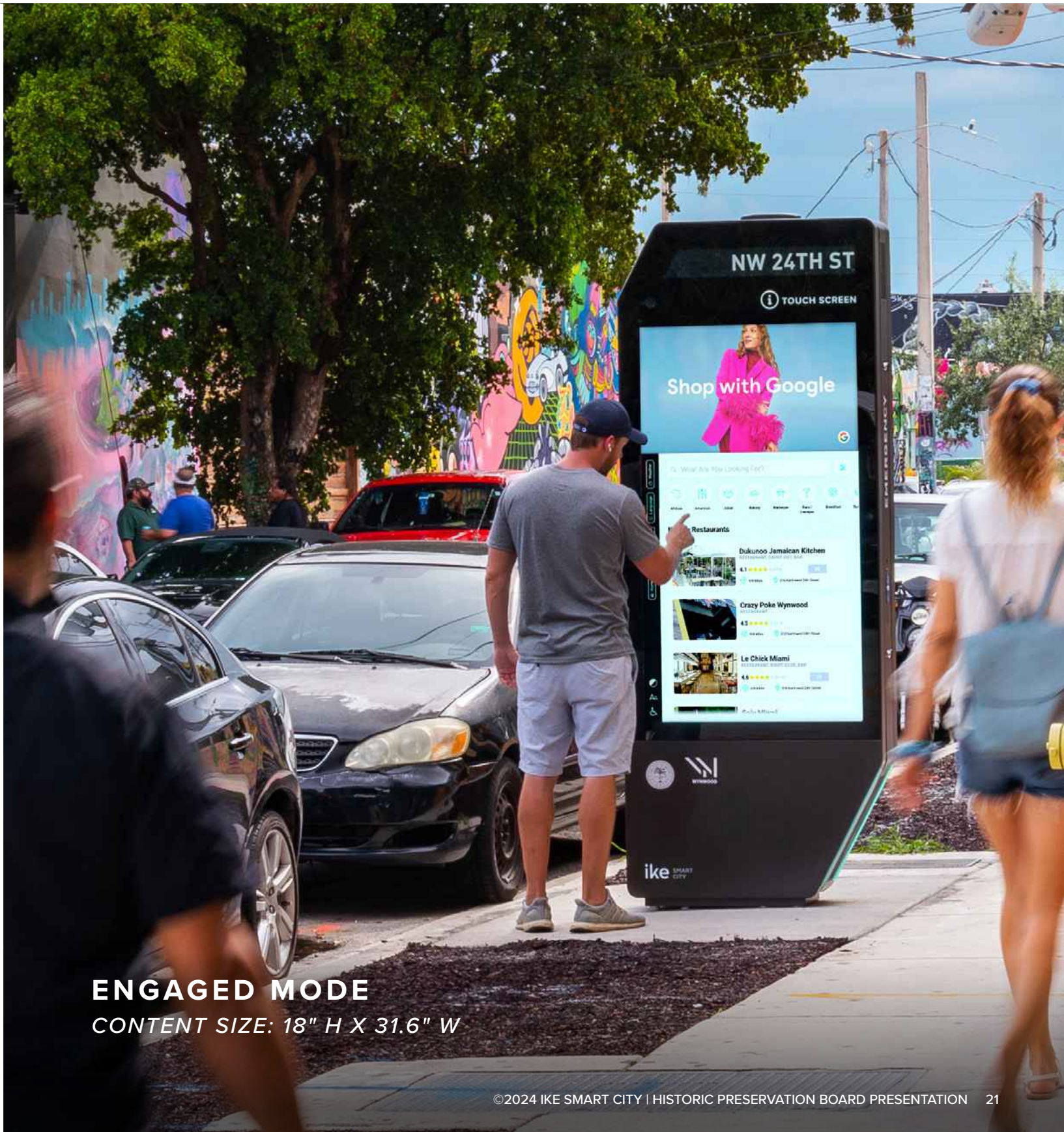
- ▶ Ambient light sensors automatically dim the brightness of IKE’s screens
- ▶ Remote monitoring system
- ▶ Remote illumination control system
- ▶ Graphics in the advertising loop rotate in 10-second increments



TWO MODES OF OPERATION



PASSIVE MODE
CONTENT SIZE: 56.2" H X 31.6" W



ENGAGED MODE
CONTENT SIZE: 18" H X 31.6" W

INTERACTIVE SUITE OF APPLICATIONS



SHOP

Entices shoppers to spend at local retail destinations.



EAT + DRINK

Gives plenty of options for hungry and thirsty residents and visitors to satisfy their cravings.



STAY

Lists a wide variety of overnight accommodations.



EVENTS

Highlights everything going on in the City with up-to-date event listings and integrated wayfinding.



TRANSIT

Provides multimodal wayfinding, trip planning, and real-time public transit information.



ACTIVITIES

Highlights things to do in the City across a wide range of interests.



SURVEY SAYS

Collects resident feedback on questions created by the City.



PHOTO BOOTH

Lets pedestrians take fun selfies and send the pics to their smartphone.



DIRECTIONS

Provides the user with a point-to-point tour of local landmarks.



ARTS + CULTURE

Showcases cultural destinations and activities for those looking to experience the creative arts.



PARKS + BEACHES

Helps people enjoy the sunshine at outdoor destinations around the city.



JOB BOARD

Provides communities with easy access to local job listings and employment opportunities.



ARCADE

Entertains and engages pedestrians with a fun and easy-to-use video game.



CIVIC RESOURCES

Makes it easy to get important things done with listings of municipal buildings and services.



SOCIAL SERVICES

Improves access to support services and resources for communities and residents in need.



SAFE SHELTER

Directs those without homes or a safe place to stay to facilities offering beds and other services.

CUSTOMIZABLE CITY POSTERS

The Poster application provides the City with dedicated and highly visible space for custom messaging on IKE’s home screen. The application can be used to support the City’s objectives including but not limited to promoting initiatives, events, and public announcements.



POINTS OF INTEREST APPLICATION - MDPL ART DECO WALKING TOUR

The Points of Interest application allows the City to showcase nearby attractions to enhance the pedestrian exploration experience. For example, the application can be customized to be an Art Deco Walking Tour offered by the Miami Design Preservation League, guiding the user through various Miami Beach locations and complete with narration.

DISCOVER

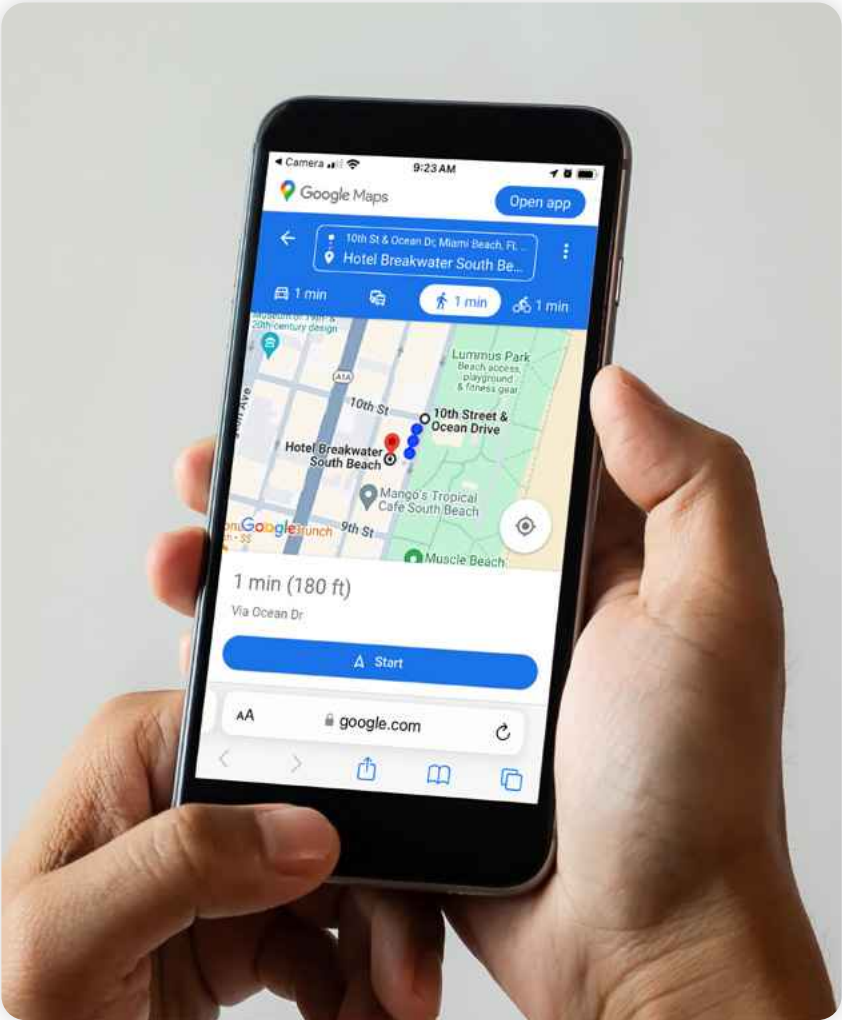
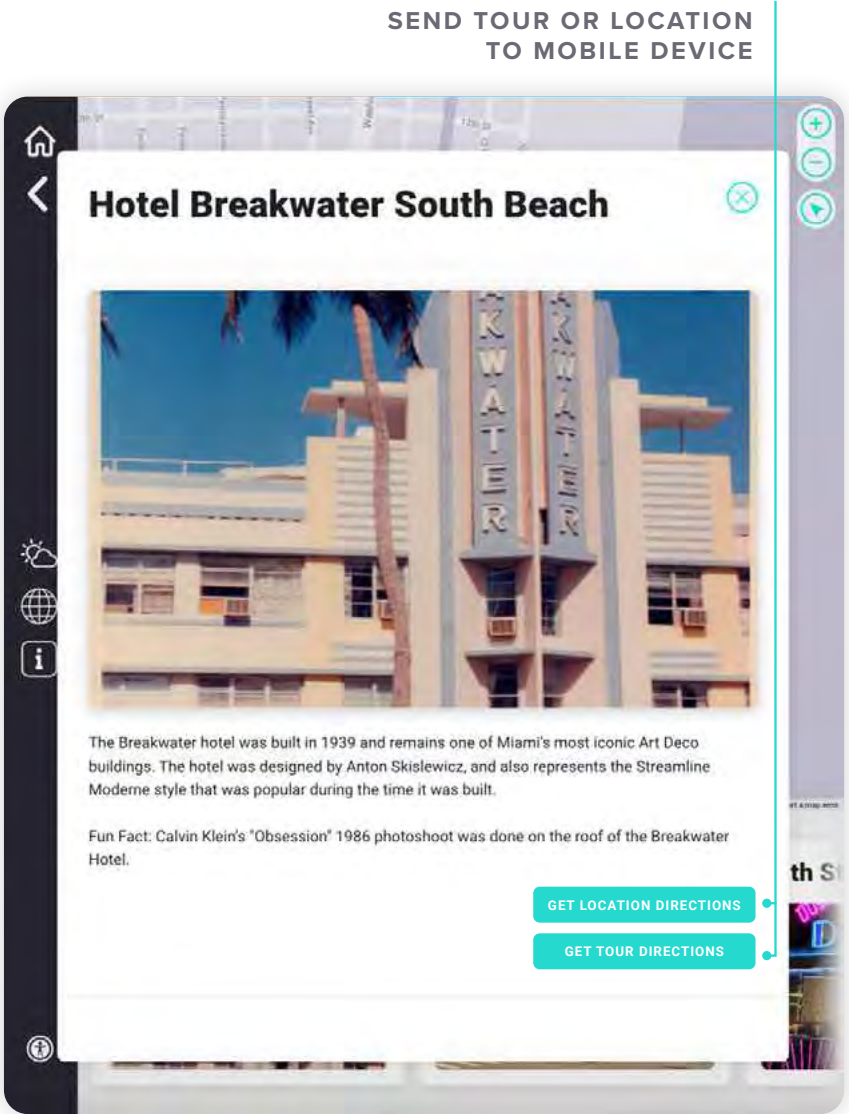
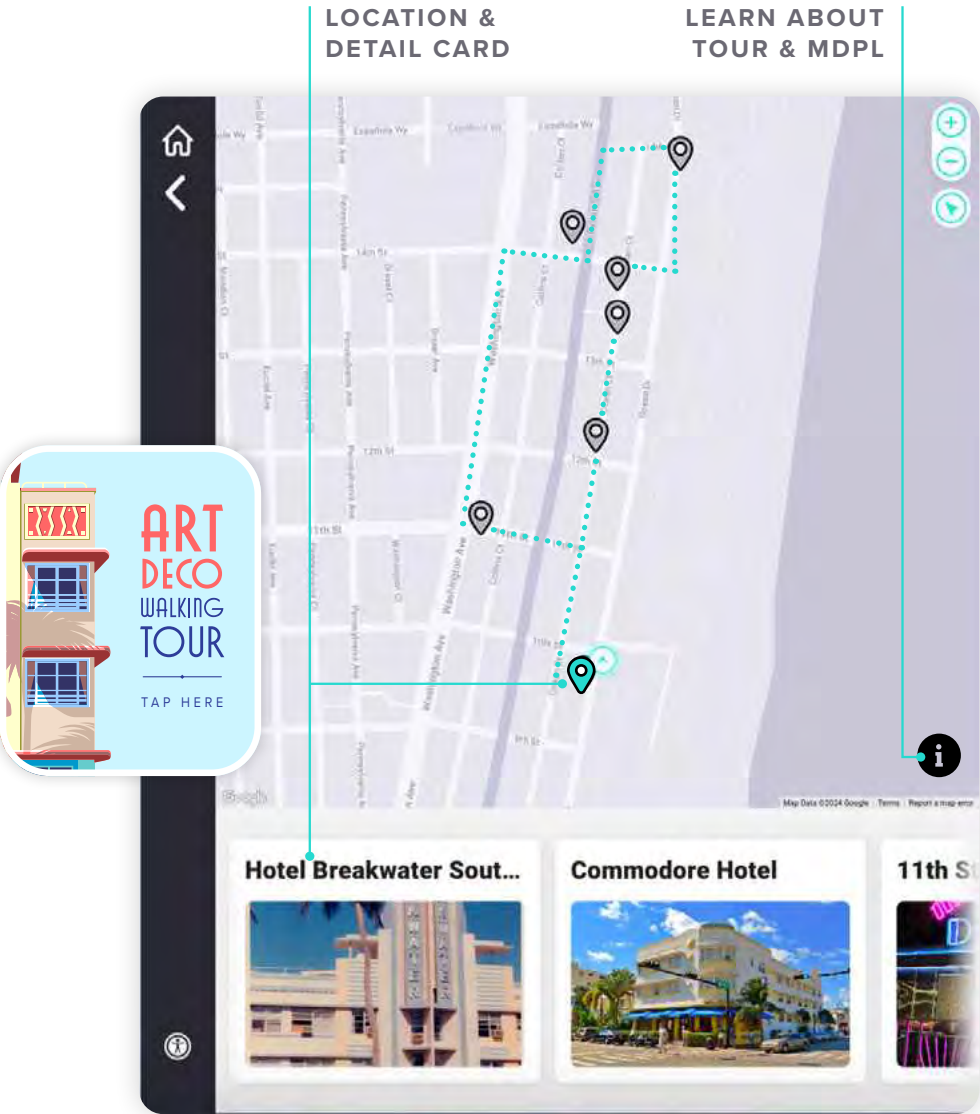
Pins identify **key points of interest** that showcase the city’s cultural significance and vibrancy. Detail cards connect to location pin and open to tell more.

LEARN MORE

Each Detail Card **tells the story** of the tour stop, including a photo, description, and a way to send location/tour directions to a mobile device.

SEND TO MOBILE

Send **step-by-step directions** to your mobile device for a seamless tour experience.



PUBLIC SAFETY

- ▶ Emergency Call System dials 911
- ▶ Enables two-way communication between caller and dispatcher
- ▶ Three security cameras record surroundings



REAL-TIME WEATHER AND OTHER EMERGENCY MESSAGING

- ▶ IKE displays emergency alerts in real-time from the Integrated Public Alert & Warning System
- ▶ Alerts include severe weather events, AMBER alerts, active shooters, and more



PUBLIC ART & EXHIBITIONS

Collaborations across the country include work with art curators and organizations such as:

- ▶ Pérez Art Museum Miami
- ▶ ICA Boston
- ▶ Hirshhorn Smithsonian
- ▶ Larry Ossei-Mensah
- ▶ For Freedoms
- ▶ MCA Denver
- ▶ Diana Nawi
- ▶ Wexner Center for the Arts
- ▶ Living Walls
- ▶ The Propeller Group
- ▶ The Hammer Museum
- ▶ MOCA Los Angeles

and artists such as:

- ▶ Jenny Holzer
- ▶ Ann Hamilton
- ▶ Barbara Kruger
- ▶ Hank Willis Thomas
- ▶ Nari Ward
- ▶ Nick Cave
- ▶ Cornelius Tulloch
- ▶ Genevieve Gaignard
- ▶ Carrie Mae Weems
- ▶ Tomashi Jackson
- ▶ Jeffrey Gibson
- ▶ Gerald Lovell
- ▶ Mikael Owunna



PETE SCANTLAND
Chief Executive Officer



COREY FAVOR
Senior Director of Community Engagement, Talent & Culture



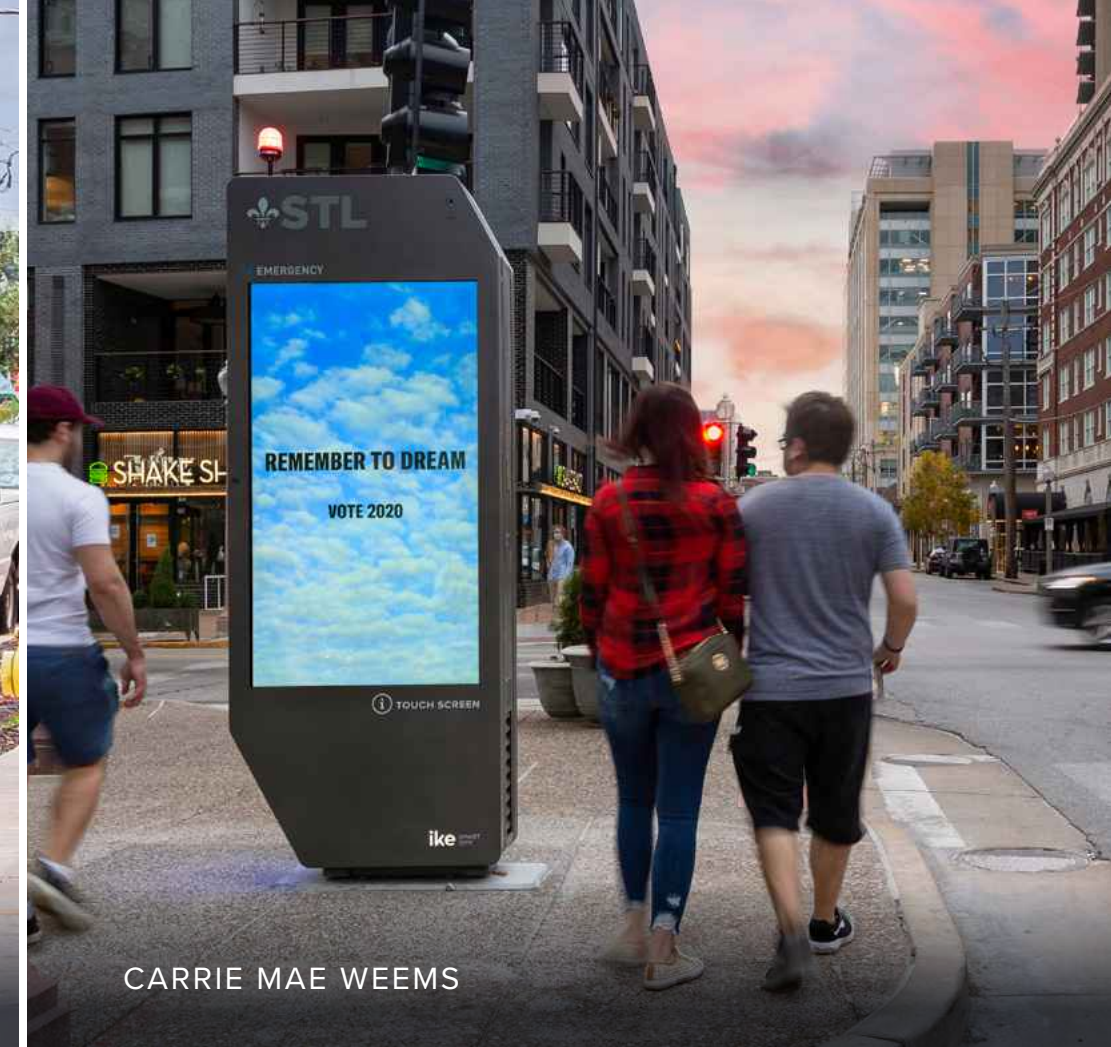
CURRECIA GAMBLE
Director of Community Engagement & Partnerships



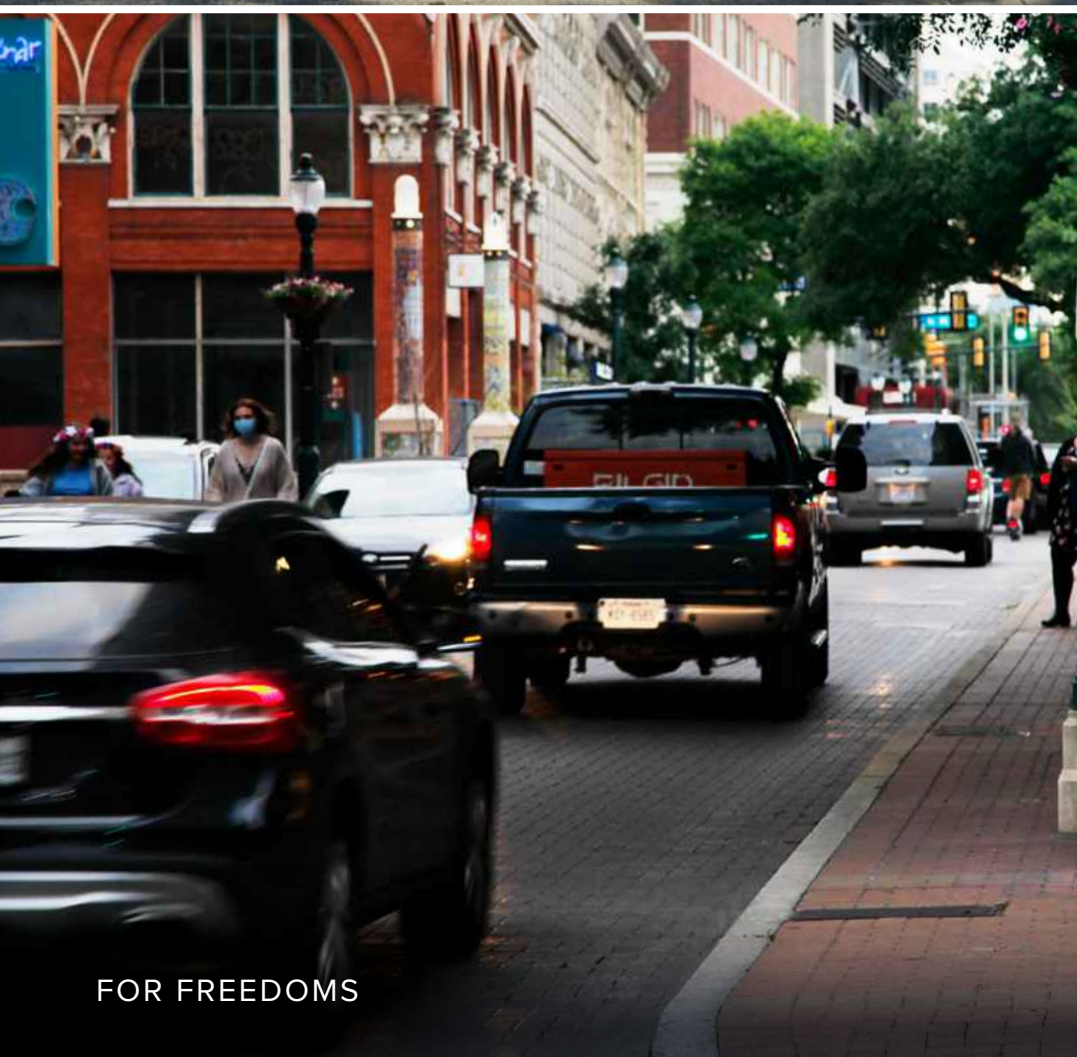
SOPHIE FISHER



REI RAMIREZ



CARRIE MAE WEEMS



FOR FREEDOMS



MIKE MCCONNELL



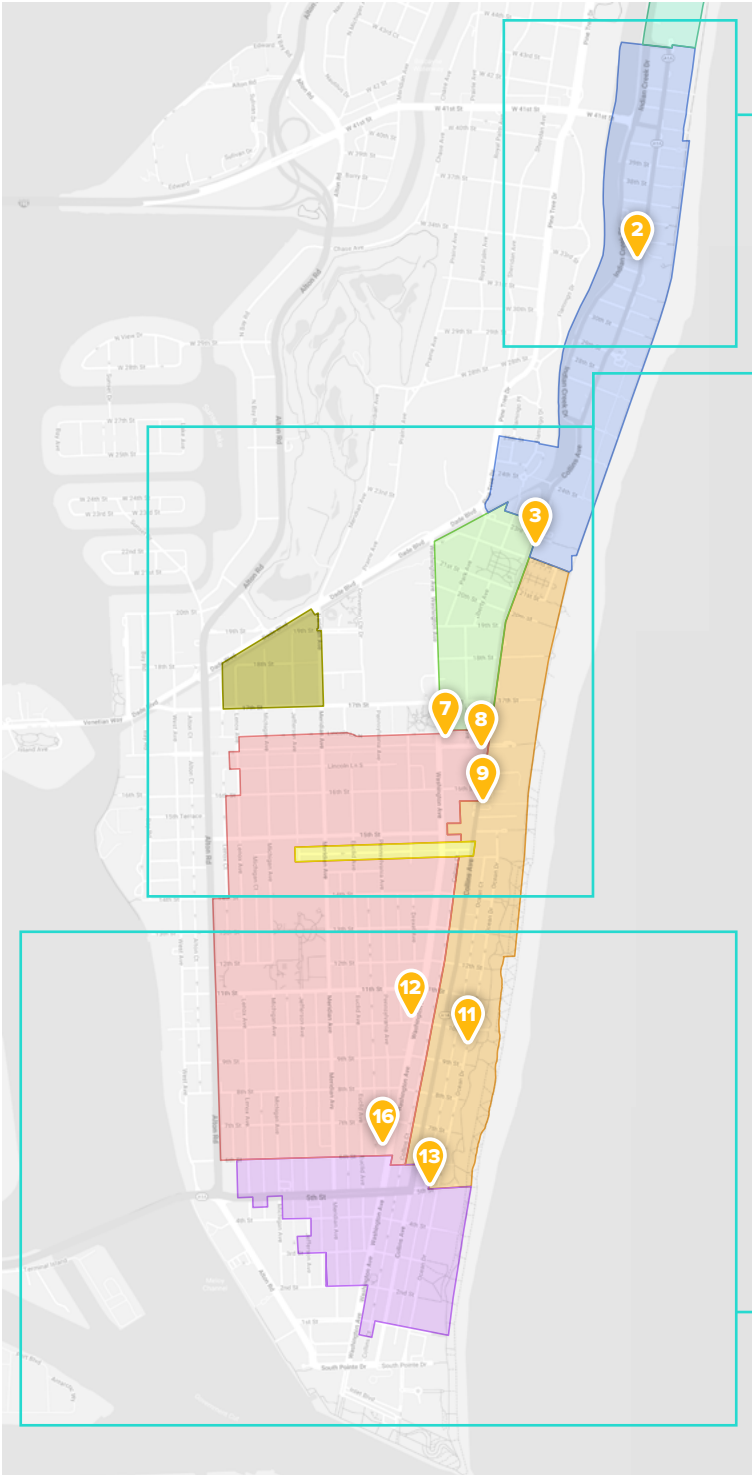


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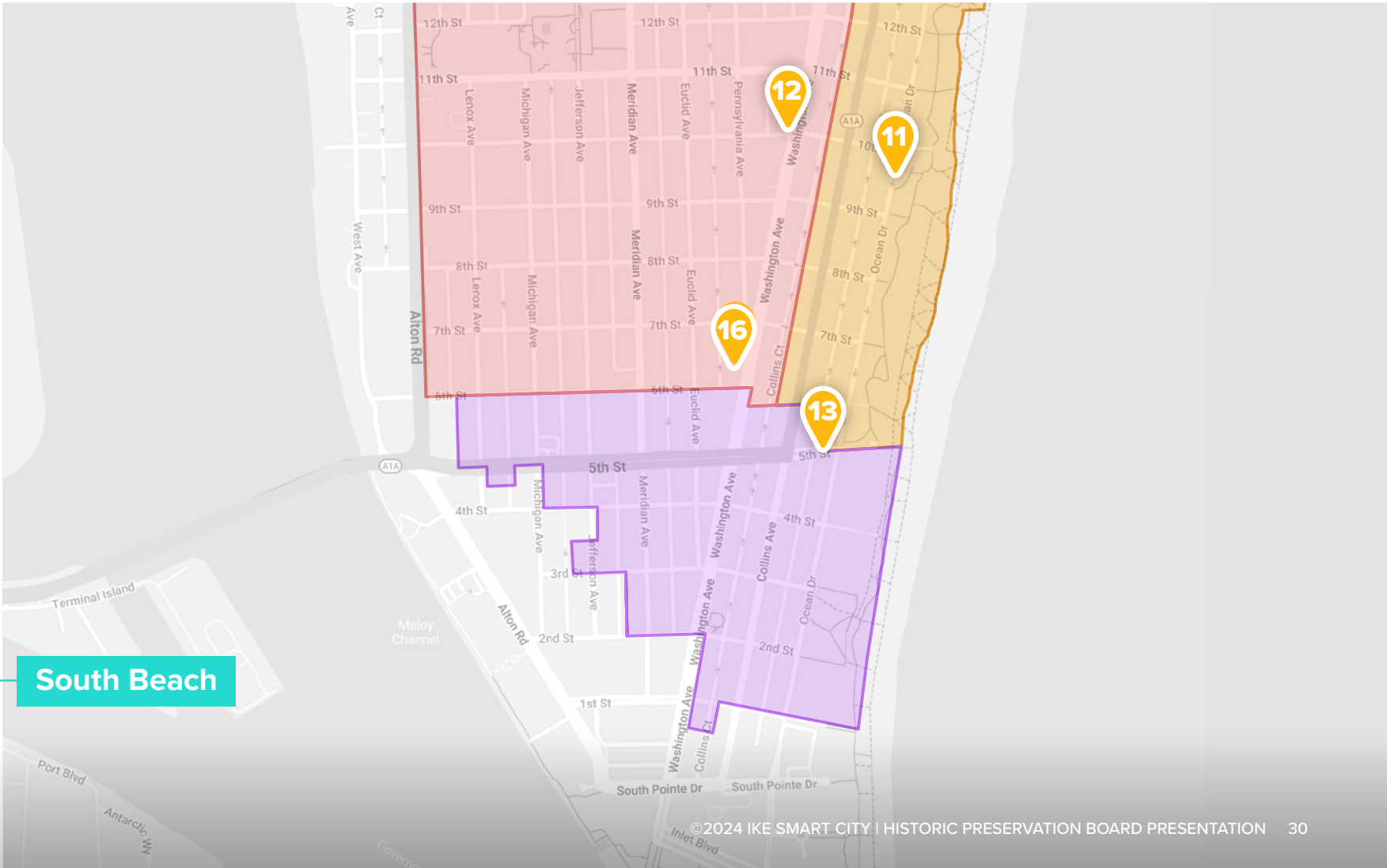
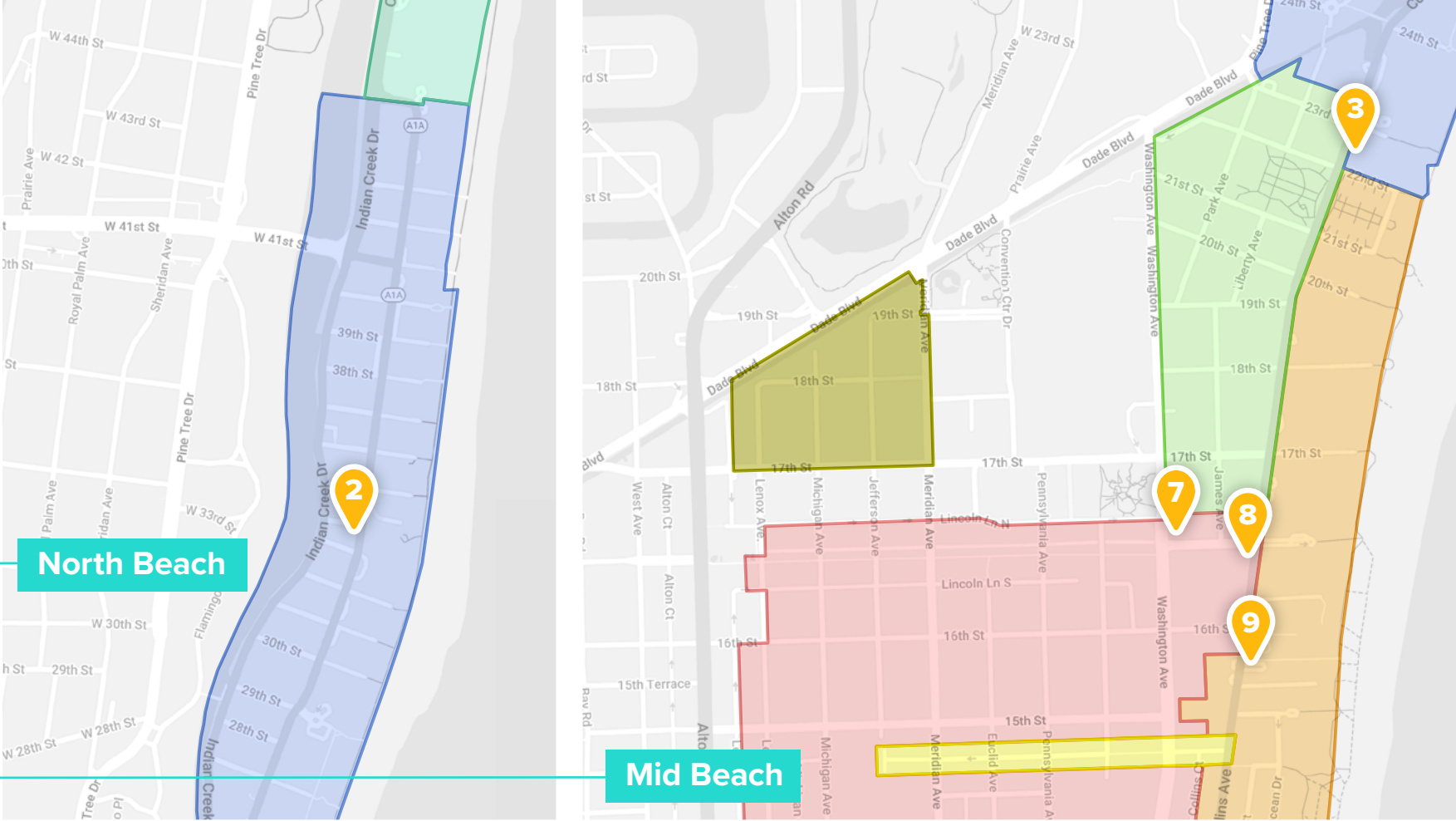
PROPOSED KIOSK
LOCATIONS, EXISTING
CONDITIONS
& RENDERINGS

PROPOSED IKE KIOSK LOCATIONS

Please see below for the 9 kiosks that are proposed within Historic District boundaries.



- MORRIS LAPIDUS/MID 20TH CENTURY HISTORIC DISTRICT
- COLLINS WATERFRONT HISTORIC DISTRICT
- MUSEUM HISTORIC DISTRICT
- PALM VIEW HISTORIC DISTRICT
- OCEAN DRIVE/COLLINS AVENUE HISTORIC DISTRICT
- FLAMINGO PARK HISTORIC DISTRICT
- ESPANOLA WAY HISTORIC DISTRICT
- OCEAN BEACH HISTORIC DISTRICT

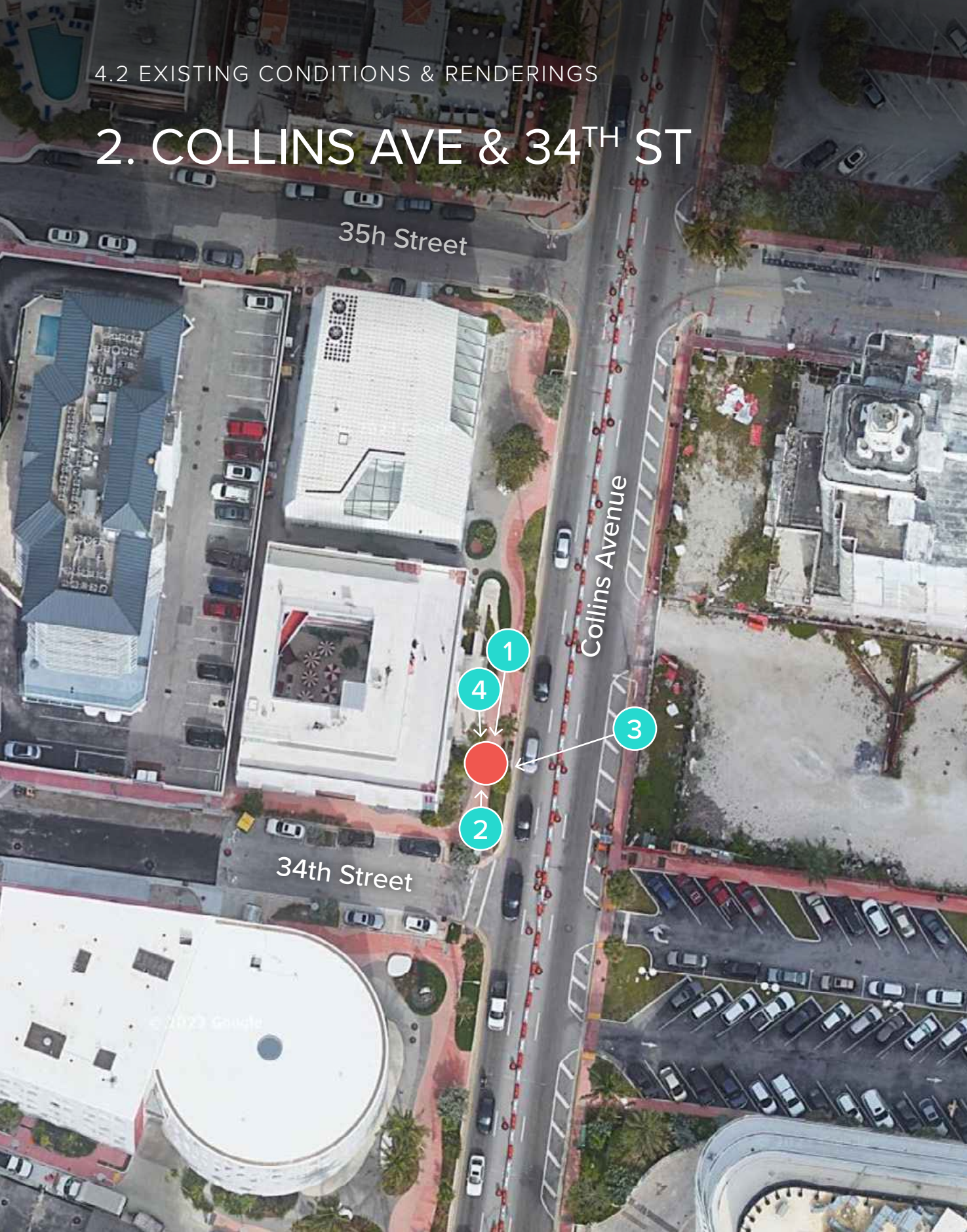


2. COLLINS AVE & 34TH ST

RENDERING



2. COLLINS AVE & 34TH ST



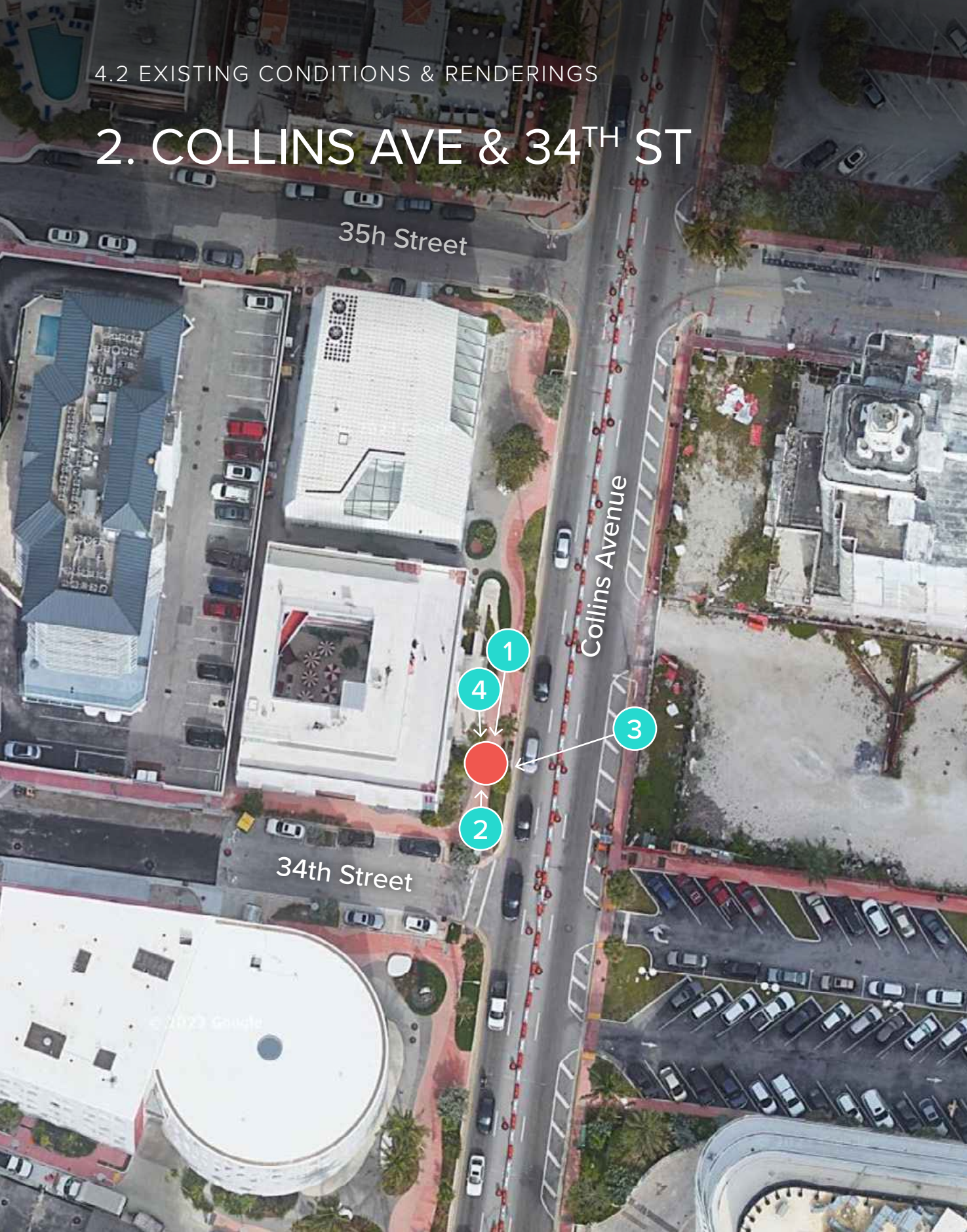
1. VIEW OF SITE FROM NORTH



2. VIEW OF SITE FROM SOUTH

- TEAL CIRCLES: PHOTOGRAPHER'S APPROXIMATE POSITION
- RED CIRCLE: APPROXIMATE KIOSK POSITION

2. COLLINS AVE & 34TH ST



- TEAL CIRCLES: PHOTOGRAPHER'S APPROXIMATE POSITION
- RED CIRCLE: APPROXIMATE KIOSK POSITION



3. COLLINS AVE & 22ND ST

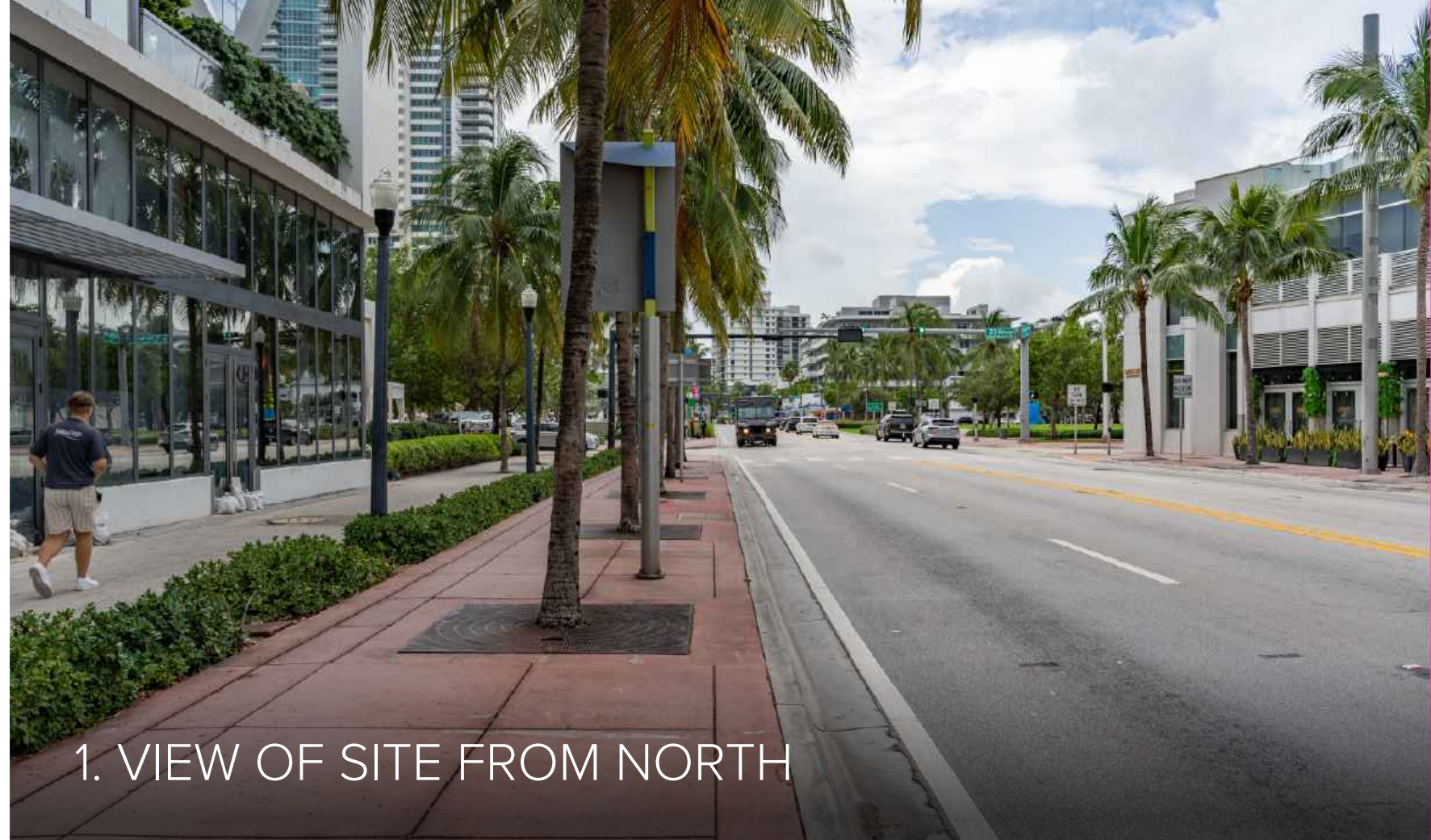
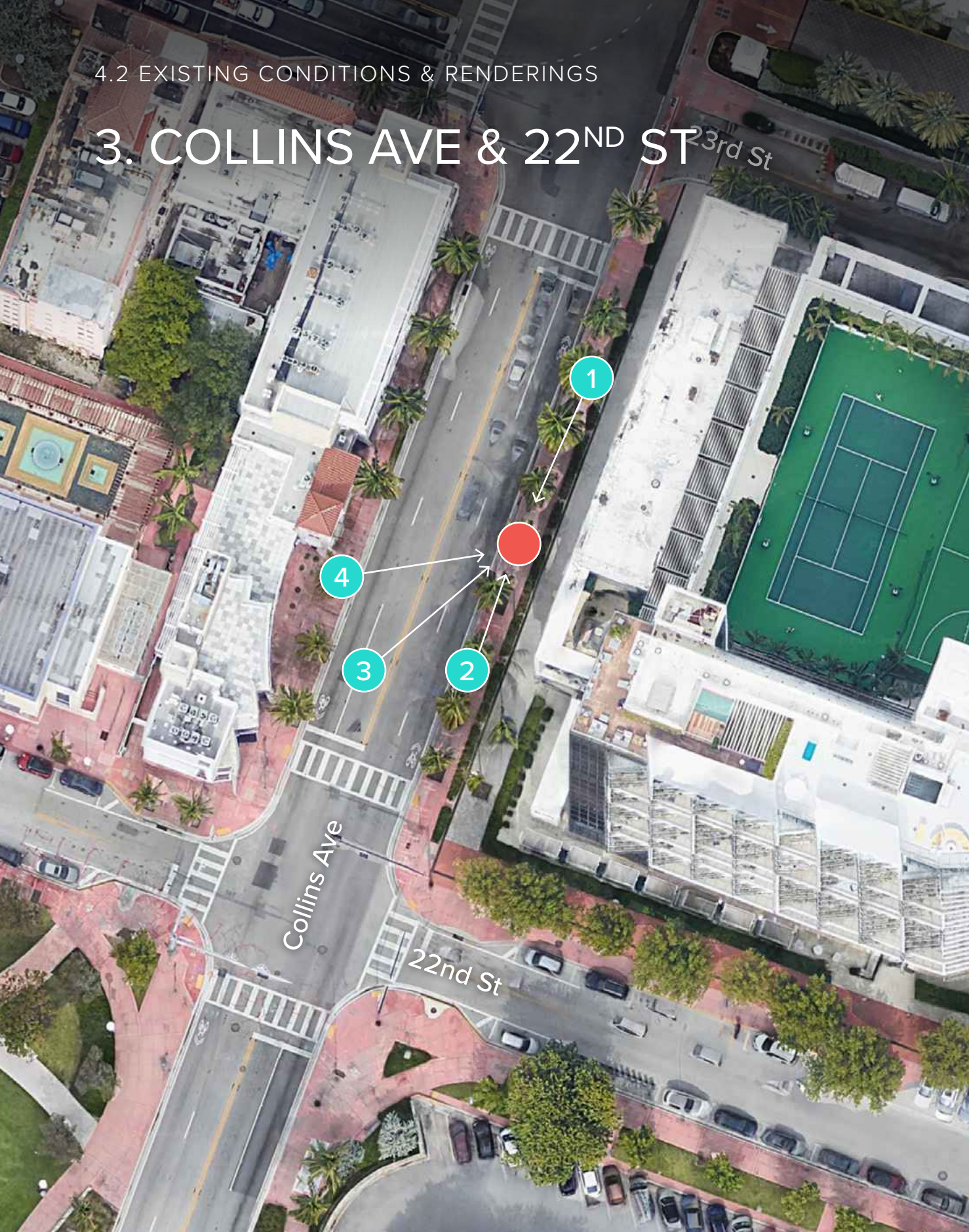
RENDERING



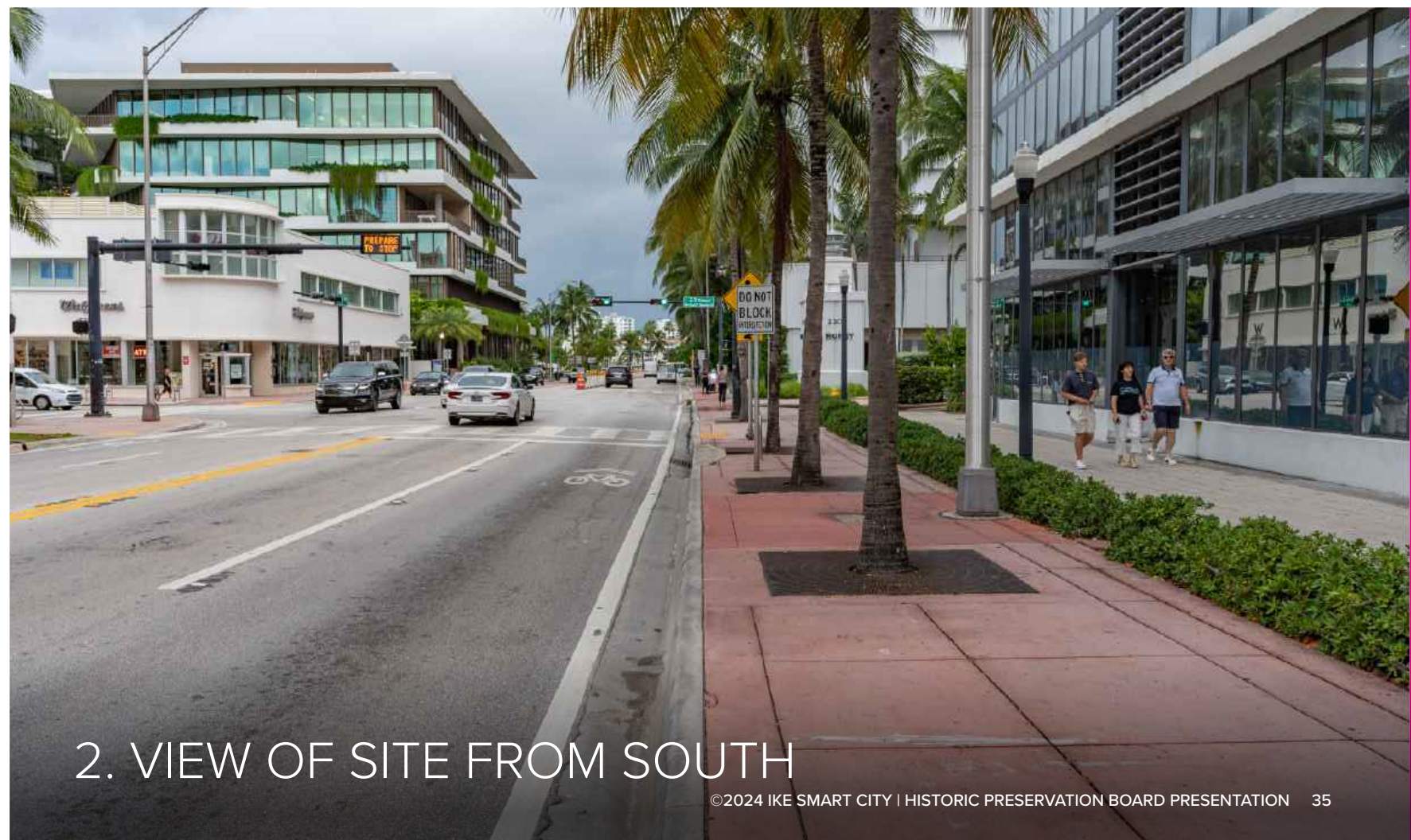
Pedestrian Clearance: 5'-9"

Sidewalk Width: 10'-2"

3. COLLINS AVE & 22ND ST



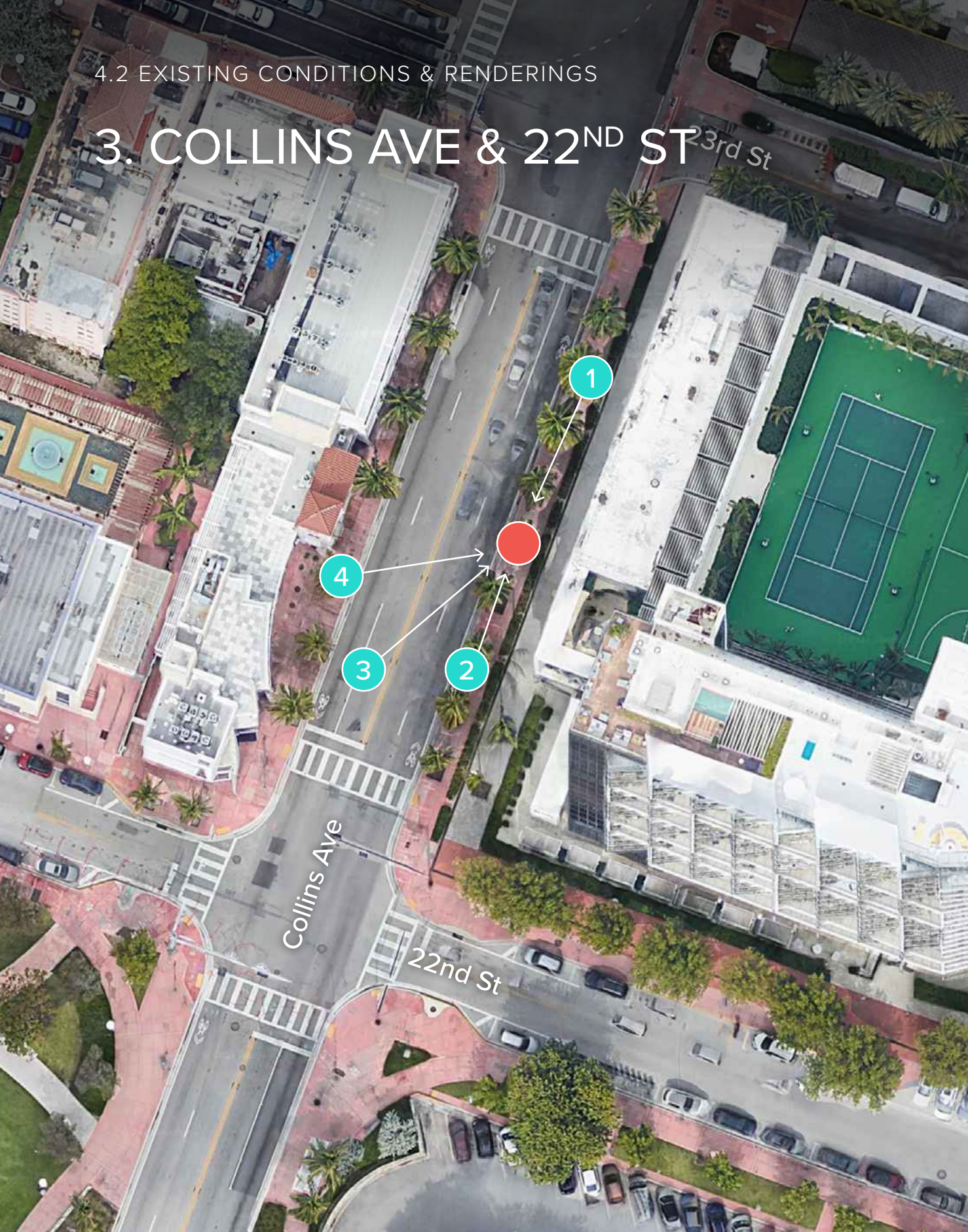
1. VIEW OF SITE FROM NORTH



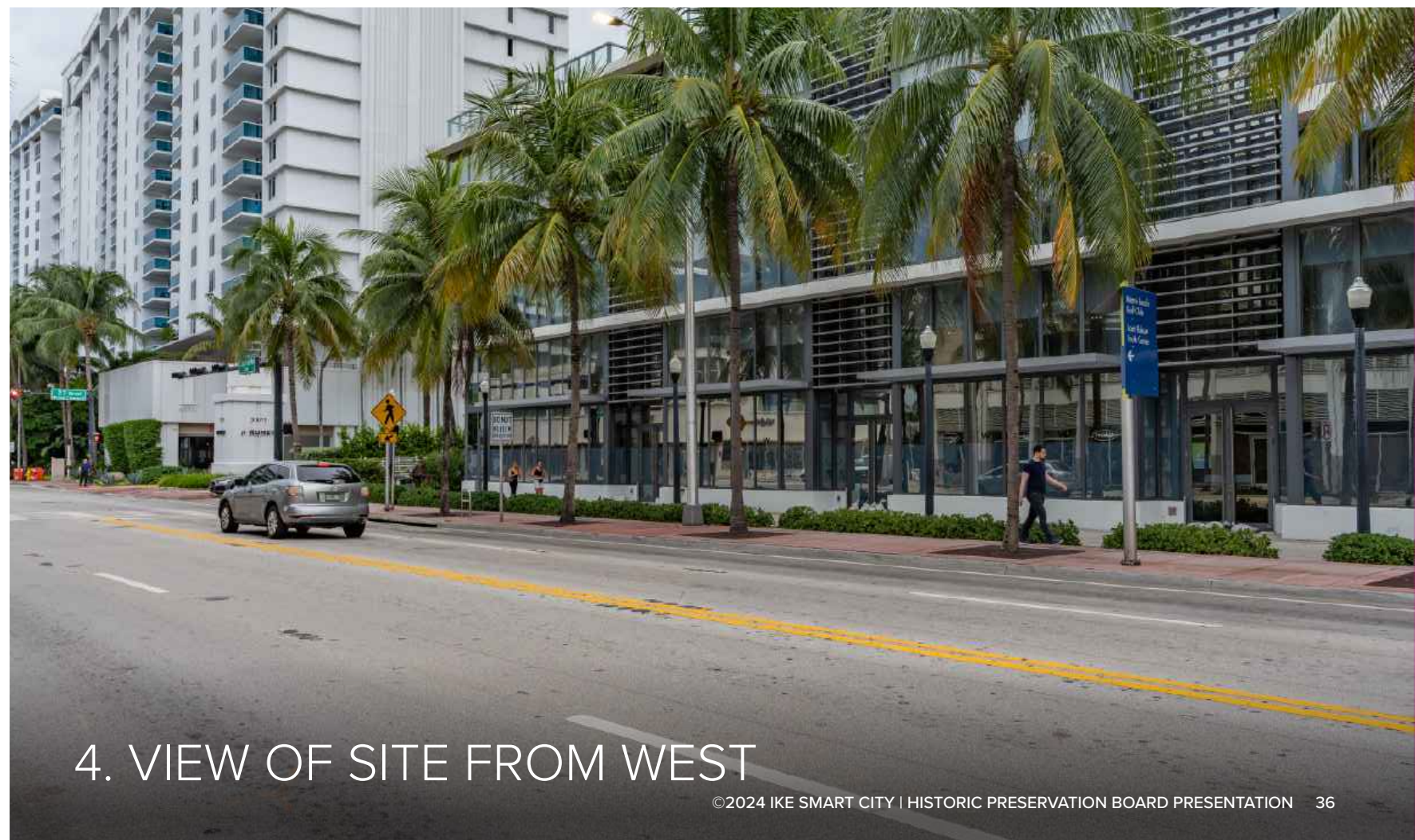
2. VIEW OF SITE FROM SOUTH

TEAL CIRCLES: PHOTOGRAPHER'S APPROXIMATE POSITION
RED CIRCLE: APPROXIMATE KIOSK POSITION

3. COLLINS AVE & 22ND ST



3. VIEW OF SITE FROM SOUTHWEST

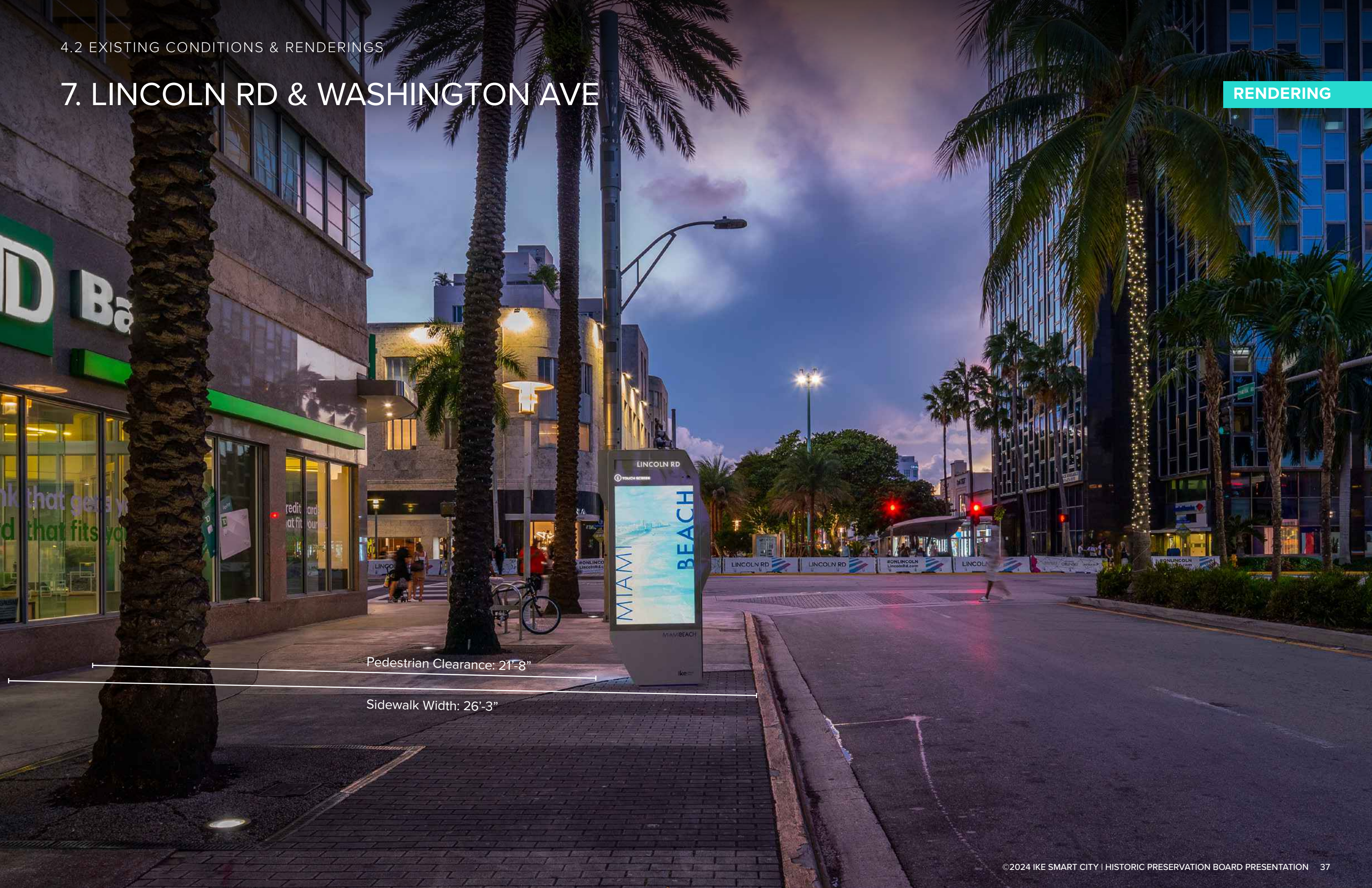


4. VIEW OF SITE FROM WEST

TEAL CIRCLES: PHOTOGRAPHER'S APPROXIMATE POSITION
RED CIRCLE: APPROXIMATE KIOSK POSITION

7. LINCOLN RD & WASHINGTON AVE

RENDERING



Pedestrian Clearance: 21'-8"

Sidewalk Width: 26'-3"

4.2 EXISTING CONDITIONS & RENDERINGS

7. LINCOLN RD & WASHINGTON AVE

Lincoln Rd

Washington Ave

Lincoln Rd

1

2

3

4

4.2 EXISTING CONDITIONS & RENDERINGS

7. LINCOLN RD & WASHINGTON AVE

Lincoln Rd

Washington Ave

Lincoln Rd

1

2

3

4

4.2 EXISTING CONDITIONS & RENDERINGS

7. LINCOLN RD & WASHINGTON AVE

Lincoln Rd

Washington Ave

Lincoln Rd

1

2

3

4

4.2 EXISTING CONDITIONS & RENDERINGS

7. LINCOLN RD & WASHINGTON AVE

Lincoln Rd

Washington Ave

Lincoln Rd

1

2

3

4

1. VIEW OF SITE FROM NORTHWEST

2. VIEW OF SITE FROM EAST

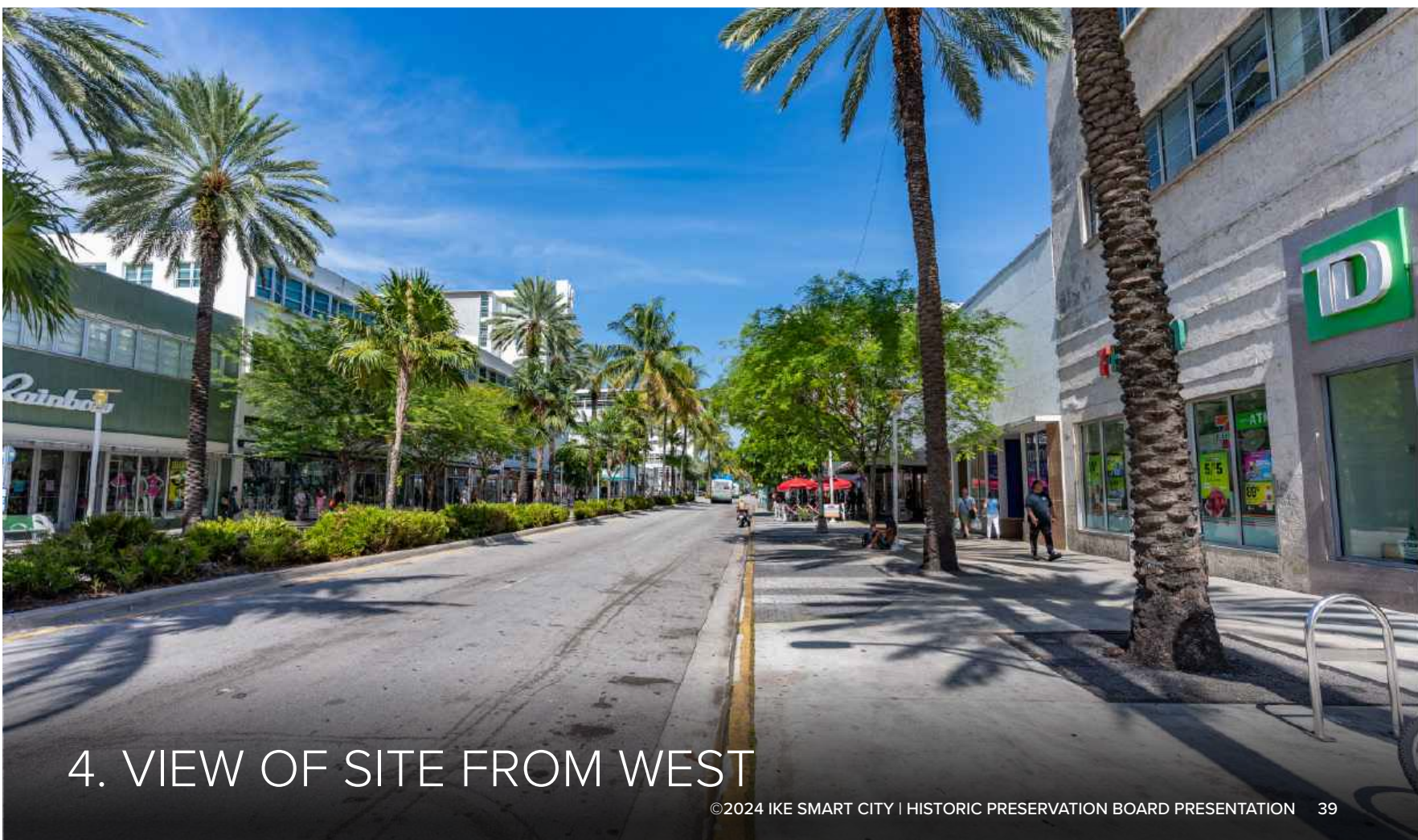
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- *TEAL CIRCLES: PHOTOGRAPHER'S APPROXIMATE POSITION*
- *RED CIRCLE: APPROXIMATE KIOSK POSITION*

7. LINCOLN RD & WASHINGTON AVE



3. VIEW OF SITE FROM SOUTHEAST



4. VIEW OF SITE FROM WEST

TEAL CIRCLES: PHOTOGRAPHER'S APPROXIMATE POSITION
RED CIRCLE: APPROXIMATE KIOSK POSITION

8. COLLINS AVE & LINCOLN RD

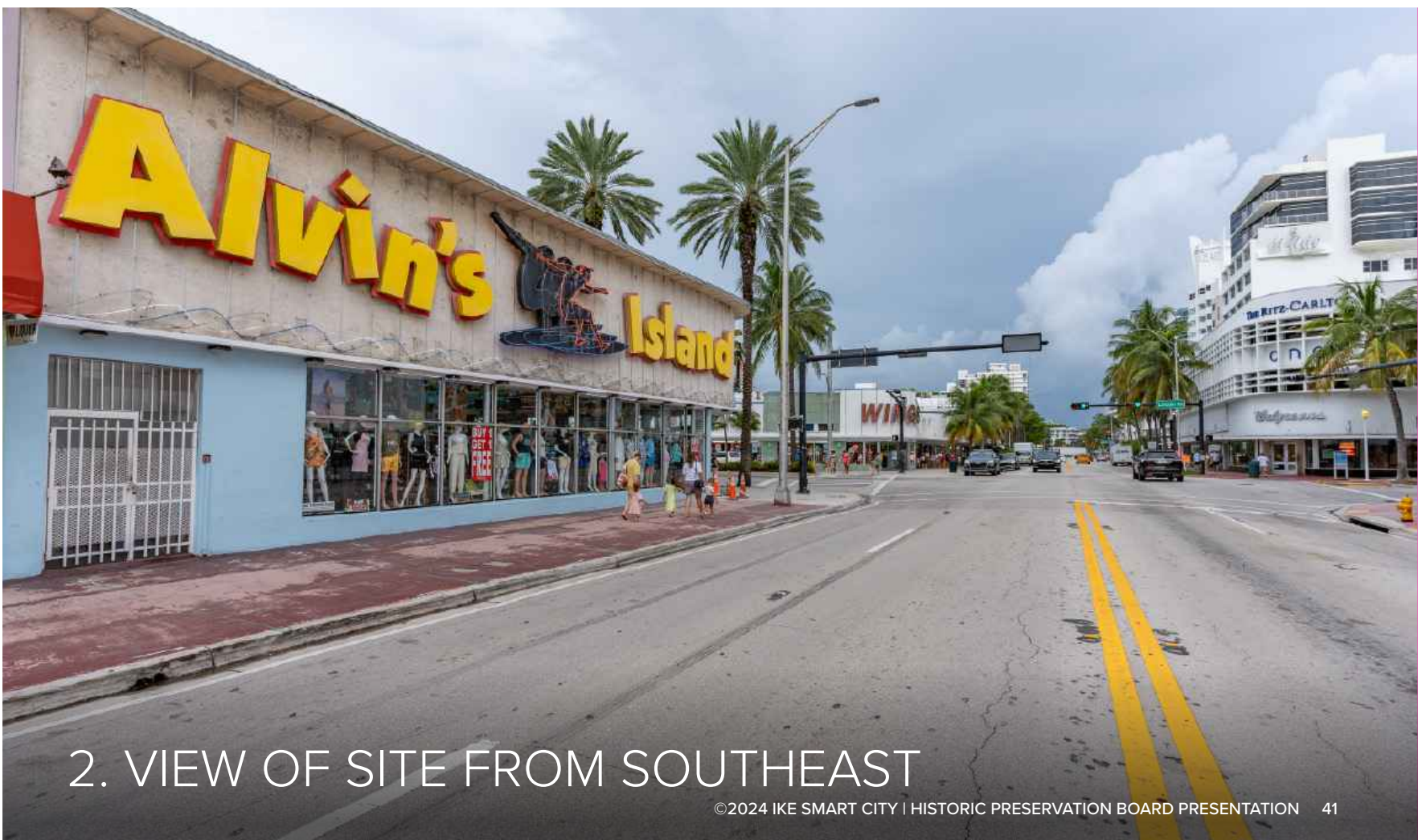
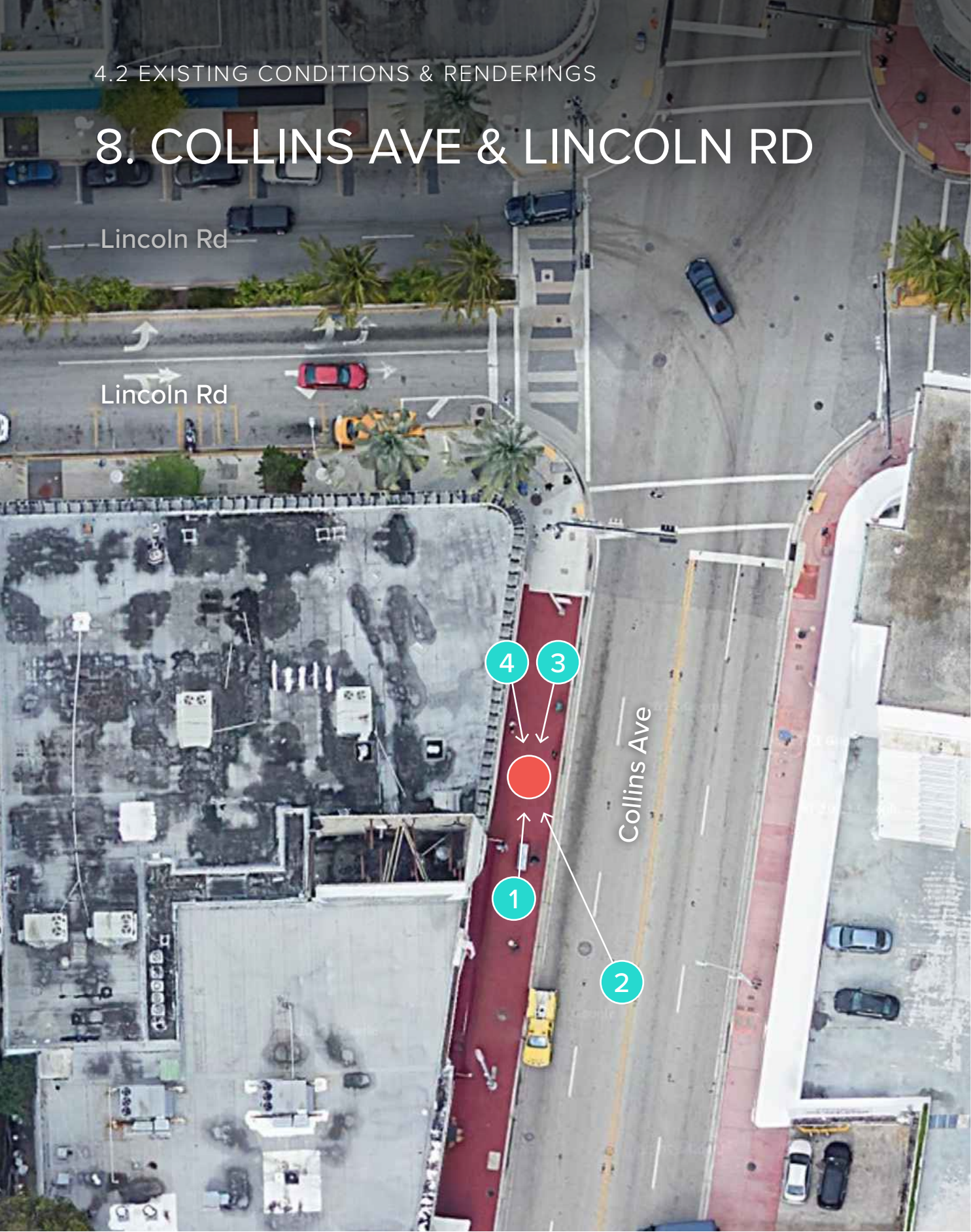
RENDERING



Pedestrian Clearance: 6'-6"

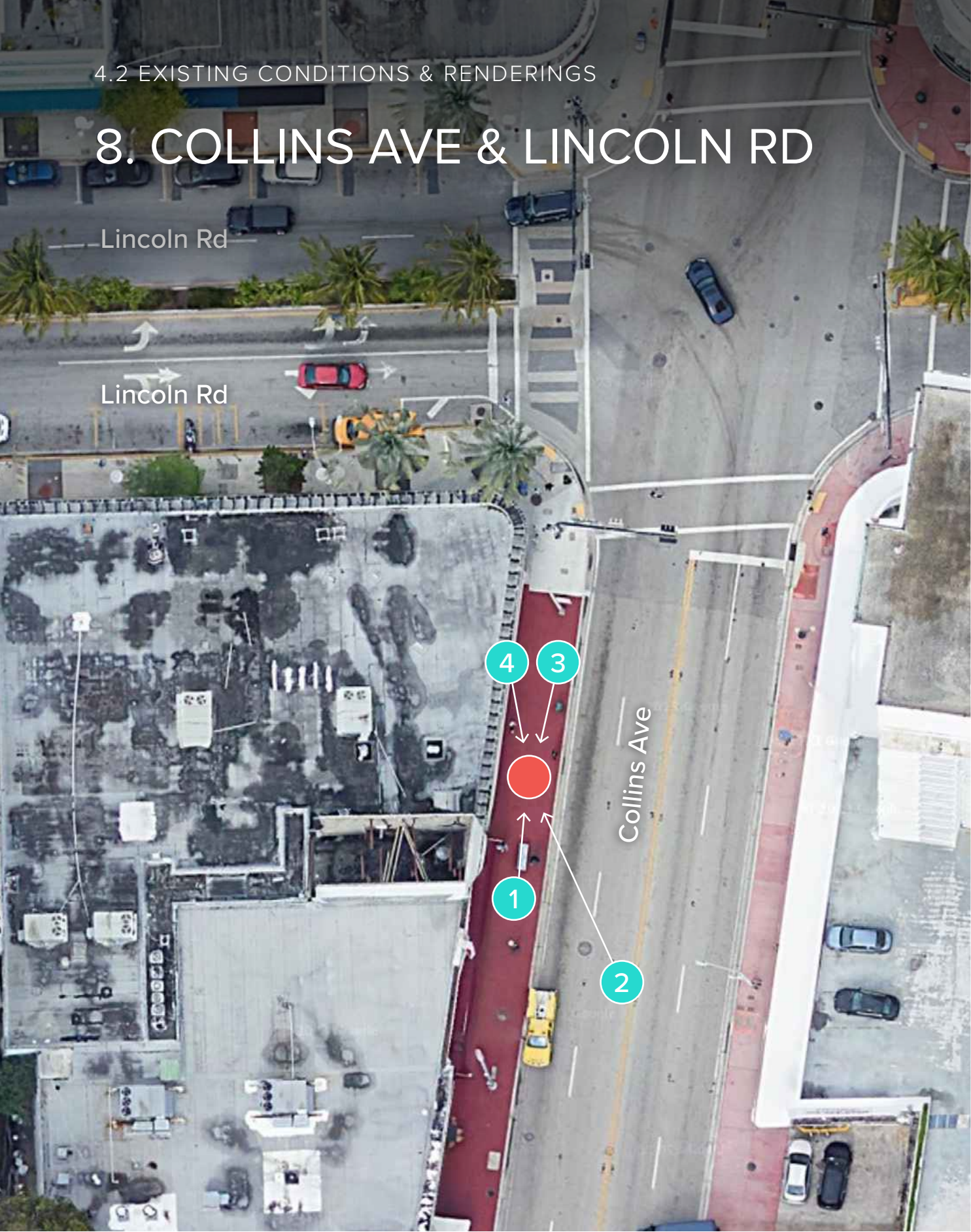
Sidewalk Width: 13'-9"

8. COLLINS AVE & LINCOLN RD

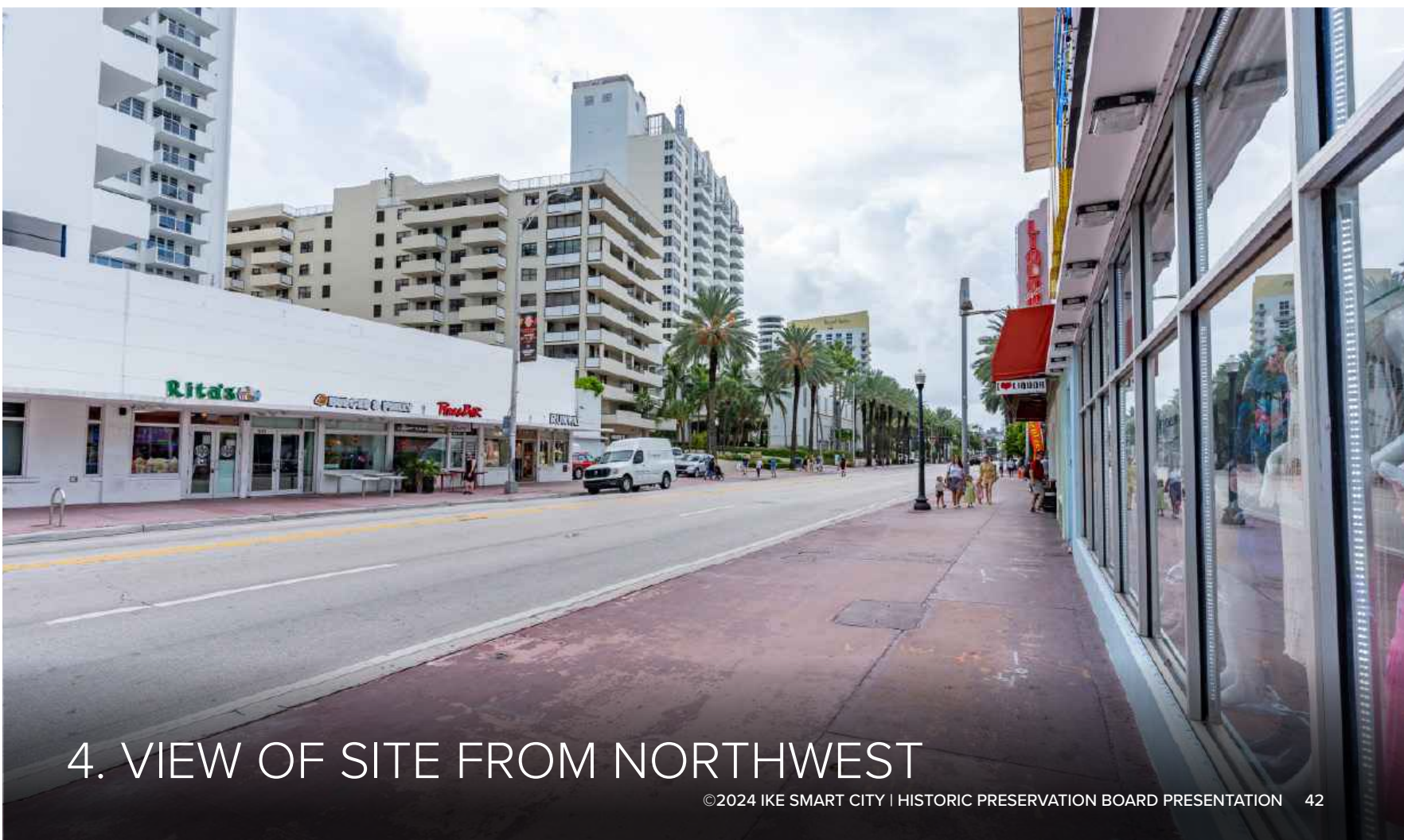


TEAL CIRCLES: PHOTOGRAPHER'S APPROXIMATE POSITION
RED CIRCLE: APPROXIMATE KIOSK POSITION

8. COLLINS AVE & LINCOLN RD



3. VIEW OF SITE FROM NORTH



4. VIEW OF SITE FROM NORTHWEST

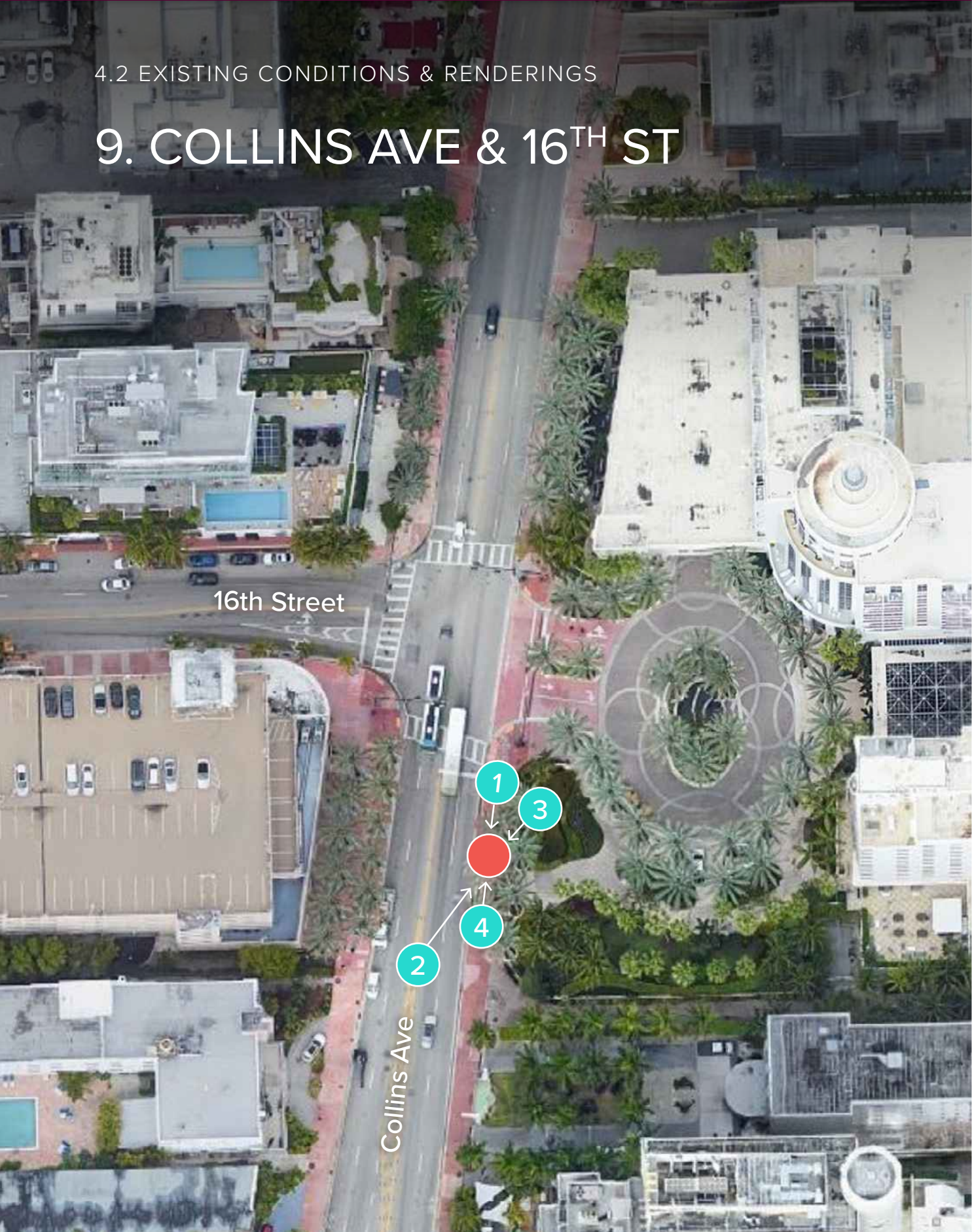
TEAL CIRCLES: PHOTOGRAPHER'S APPROXIMATE POSITION
RED CIRCLE: APPROXIMATE KIOSK POSITION

9. COLLINS AVE & 16TH ST

RENDERING



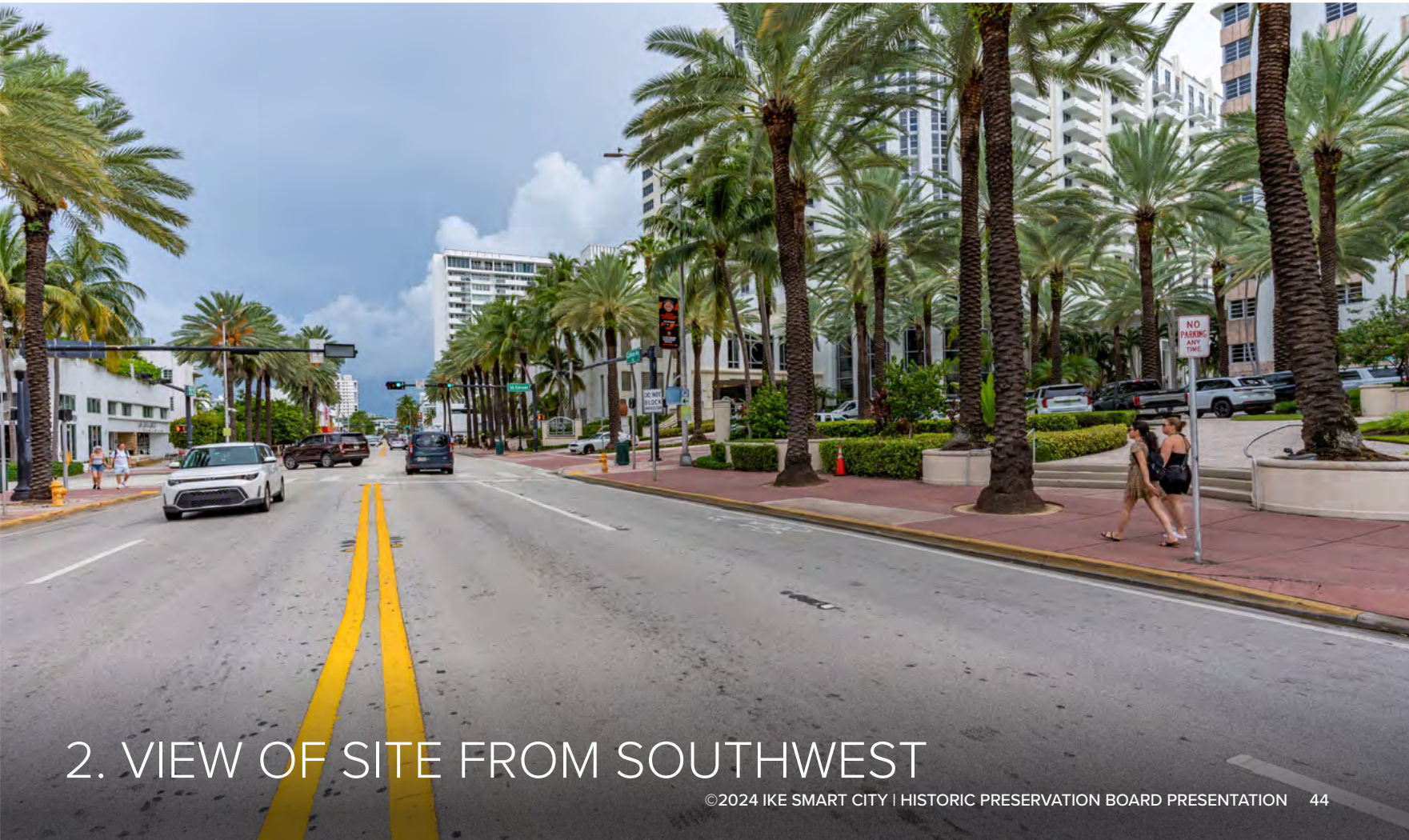
9. COLLINS AVE & 16TH ST



TEAL CIRCLES: PHOTOGRAPHER'S APPROXIMATE POSITION
RED CIRCLE: APPROXIMATE KIOSK POSITION

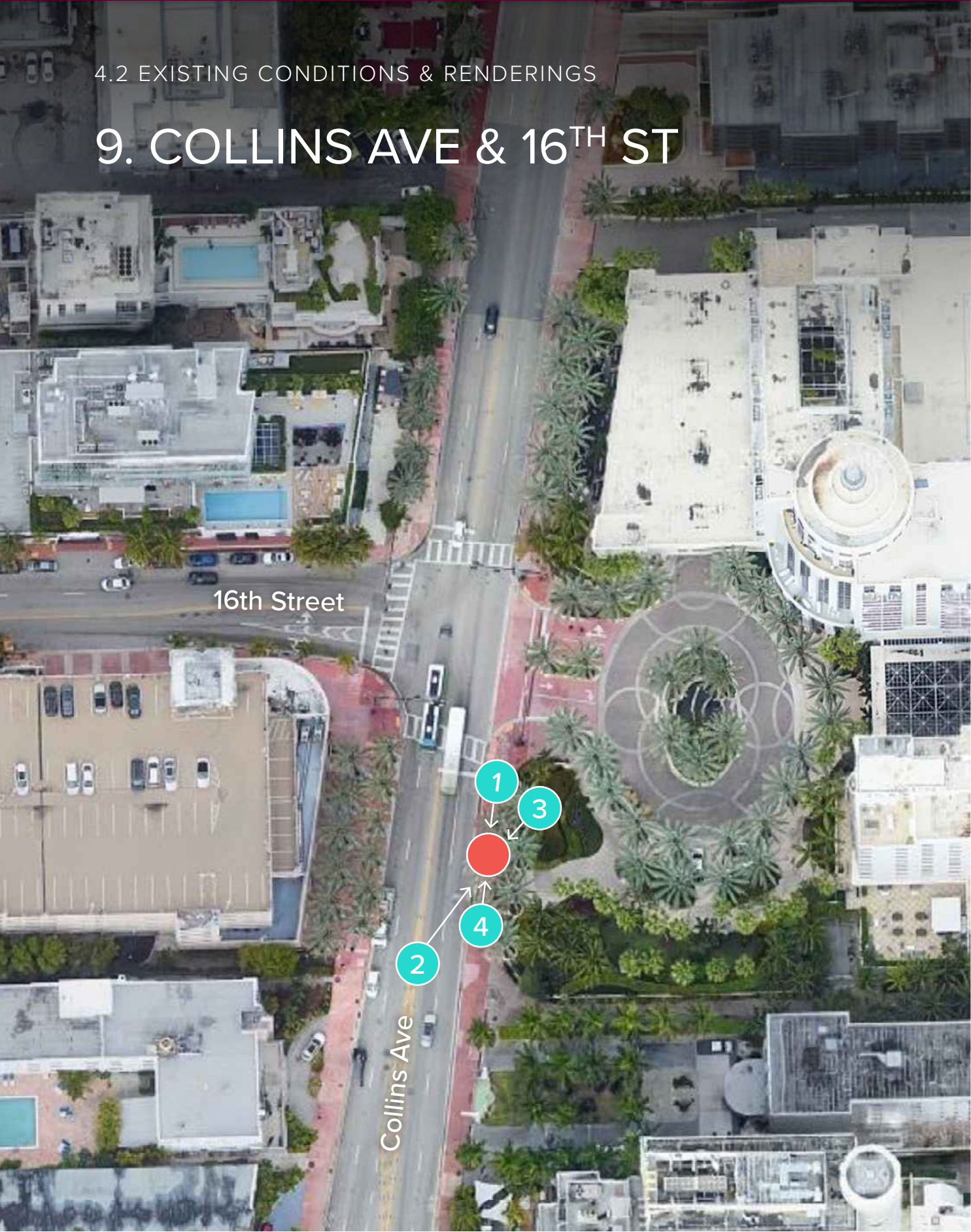


1. VIEW OF SITE FROM NORTH



2. VIEW OF SITE FROM SOUTHWEST

9. COLLINS AVE & 16TH ST



● TEAL CIRCLES: PHOTOGRAPHER'S APPROXIMATE POSITION
● RED CIRCLE: APPROXIMATE KIOSK POSITION



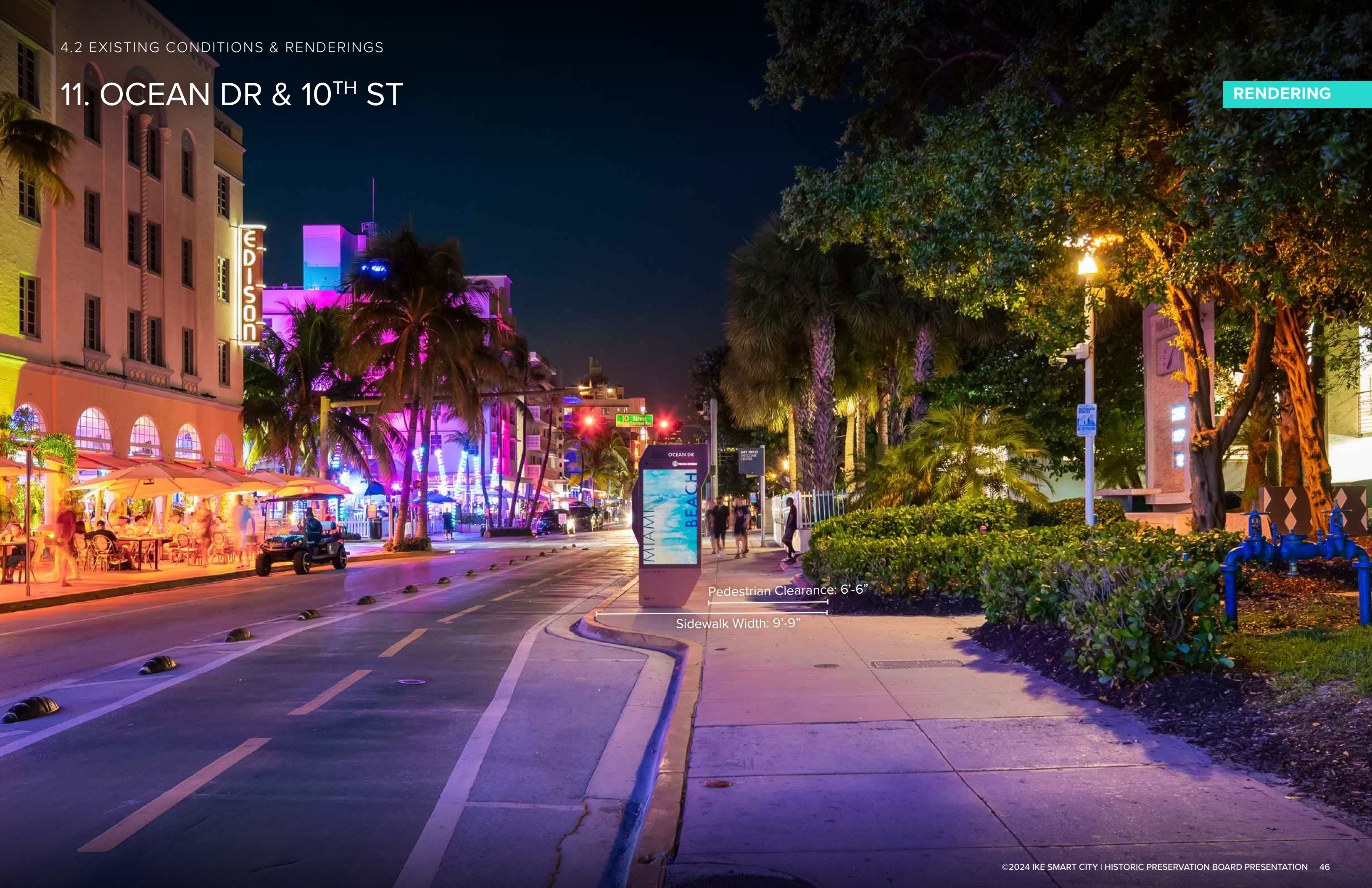
3. VIEW OF SITE FROM NORTHEAST



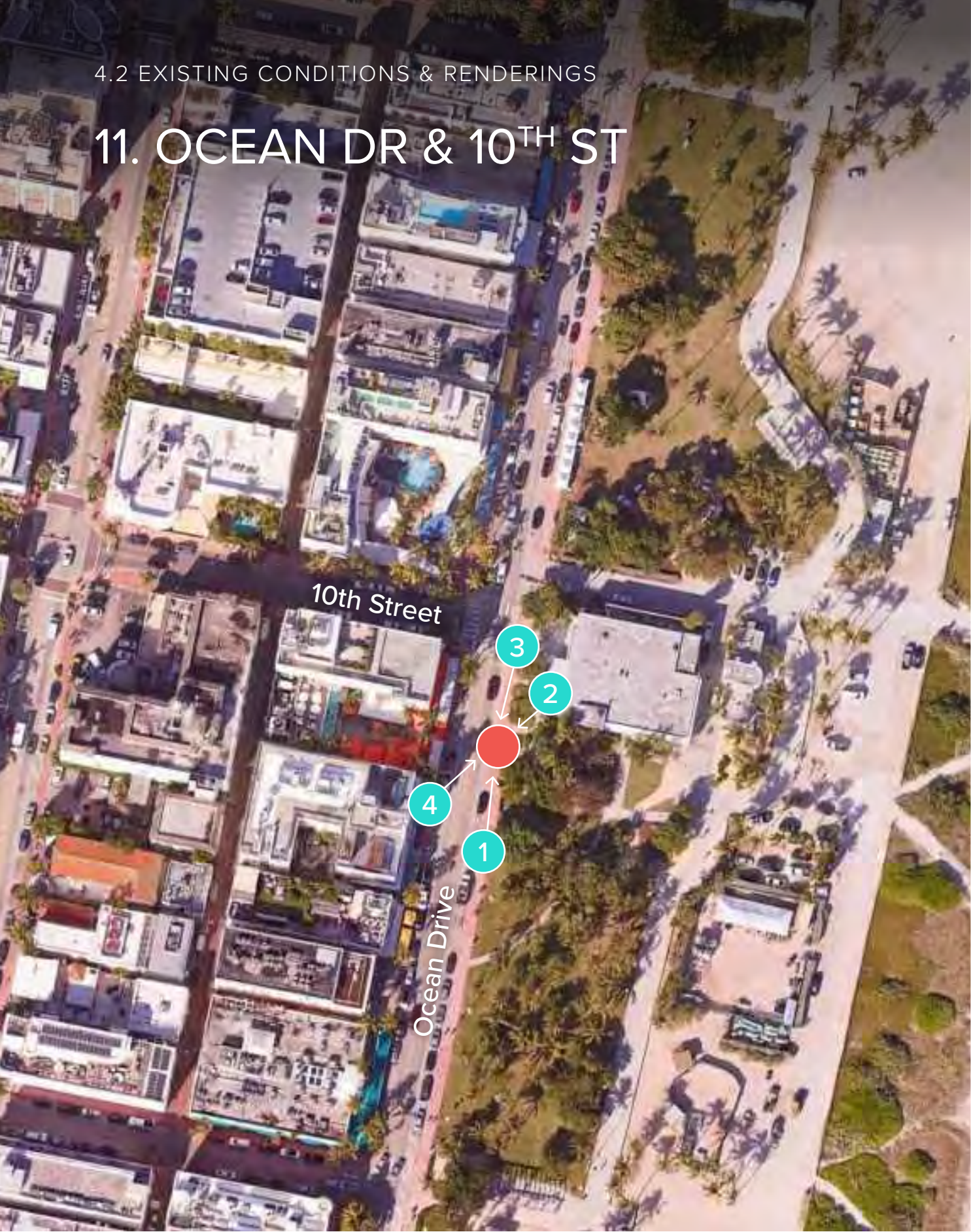
4. VIEW OF SITE FROM SOUTH

11. OCEAN DR & 10TH ST

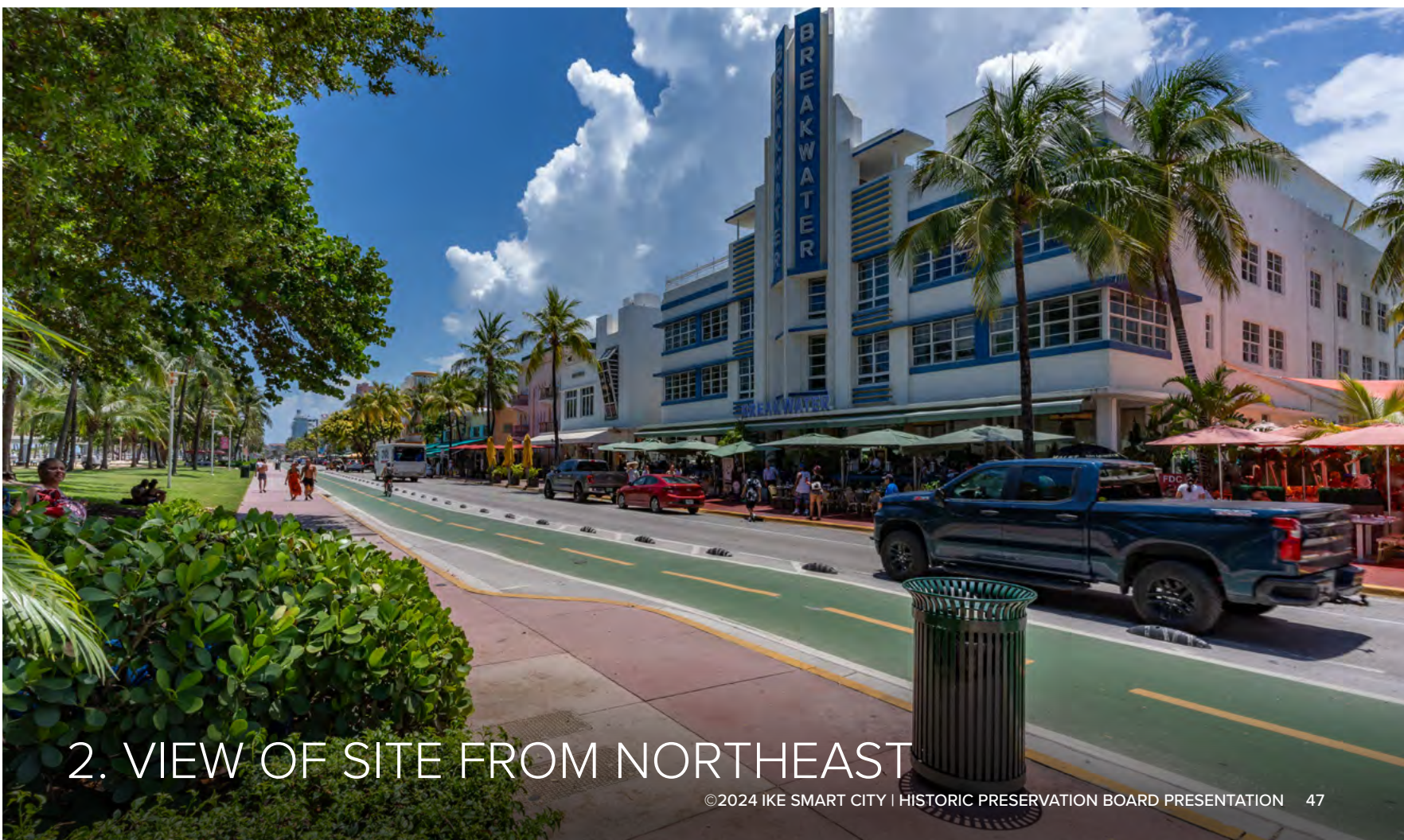
RENDERING



11. OCEAN DR & 10TH ST



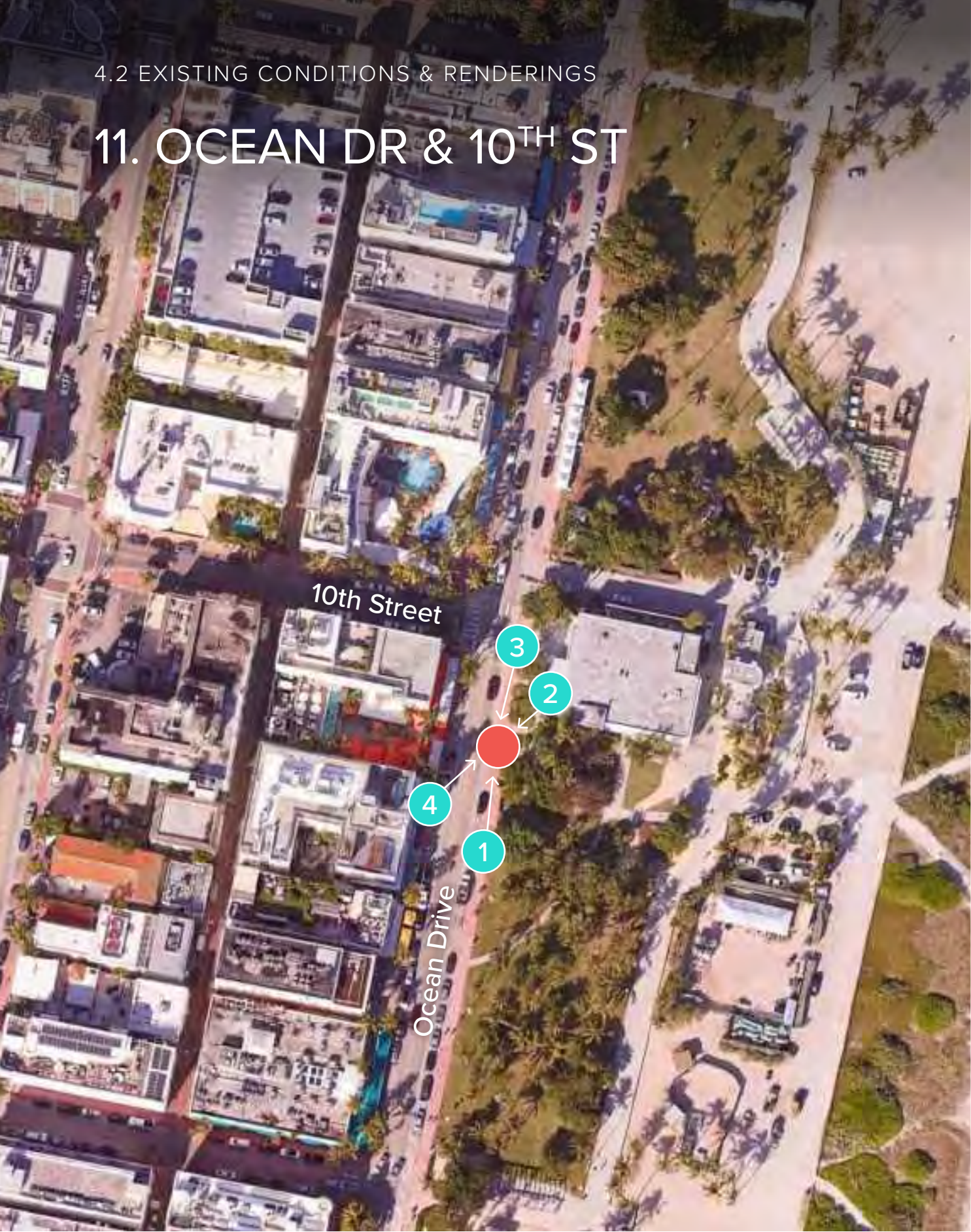
1. VIEW OF SITE FROM SOUTH



2. VIEW OF SITE FROM NORTHEAST

TEAL CIRCLES: PHOTOGRAPHER'S APPROXIMATE POSITION
RED CIRCLE: APPROXIMATE KIOSK POSITION

11. OCEAN DR & 10TH ST



TEAL CIRCLES: PHOTOGRAPHER'S APPROXIMATE POSITION
RED CIRCLE: APPROXIMATE KIOSK POSITION



3. VIEW OF SITE FROM NORTH



4. VIEW OF SITE FROM SOUTHWEST

12. WASHINGTON AVE & 10TH ST

RENDERING



12. WASHINGTON AVE & 10TH ST



1. VIEW OF SITE FROM NORTH



2. VIEW OF SITE FROM SOUTH

TEAL CIRCLES: PHOTOGRAPHER'S APPROXIMATE POSITION
RED CIRCLE: APPROXIMATE KIOSK POSITION

12. WASHINGTON AVE & 10TH ST



3. VIEW OF SITE FROM NORTHEAST



4. VIEW OF SITE FROM SOUTH

TEAL CIRCLES: PHOTOGRAPHER'S APPROXIMATE POSITION
RED CIRCLE: APPROXIMATE KIOSK POSITION

13. OCEAN DR & 5TH ST

RENDERING



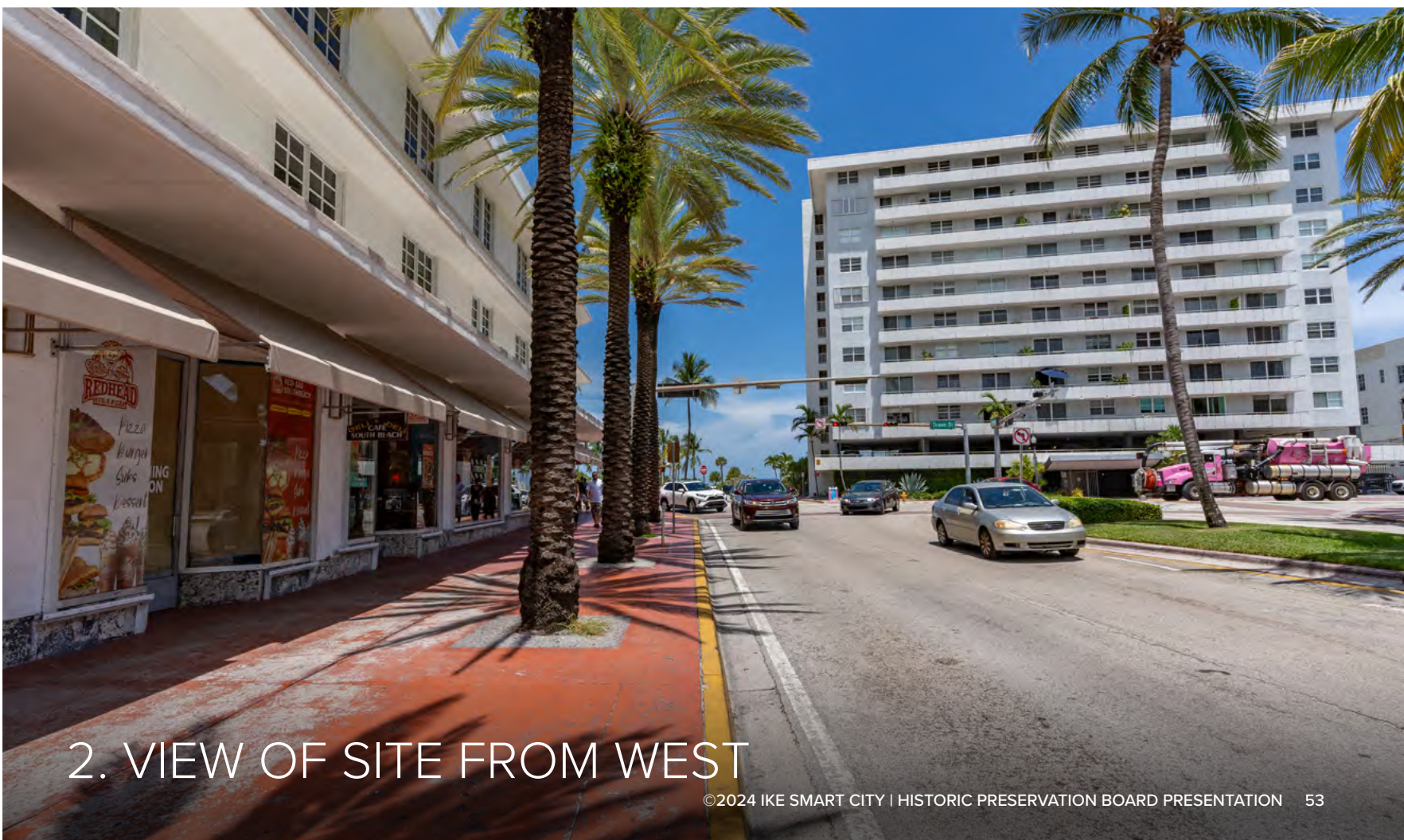
Pedestrian Clearance: 7'-9"

Sidewalk Width: 19'-2"

13. OCEAN DR & 5TH ST



1. VIEW OF SITE FROM EAST



2. VIEW OF SITE FROM WEST

TEAL CIRCLES: PHOTOGRAPHER'S APPROXIMATE POSITION
RED CIRCLE: APPROXIMATE KIOSK POSITION

13. OCEAN DR & 5TH ST



TEAL CIRCLES: PHOTOGRAPHER'S APPROXIMATE POSITION
RED CIRCLE: APPROXIMATE KIOSK POSITION



3. VIEW OF SITE FROM NORTHWEST



4. VIEW OF SITE FROM SOUTHEAST

16. WASHINGTON AVE & 6TH ST

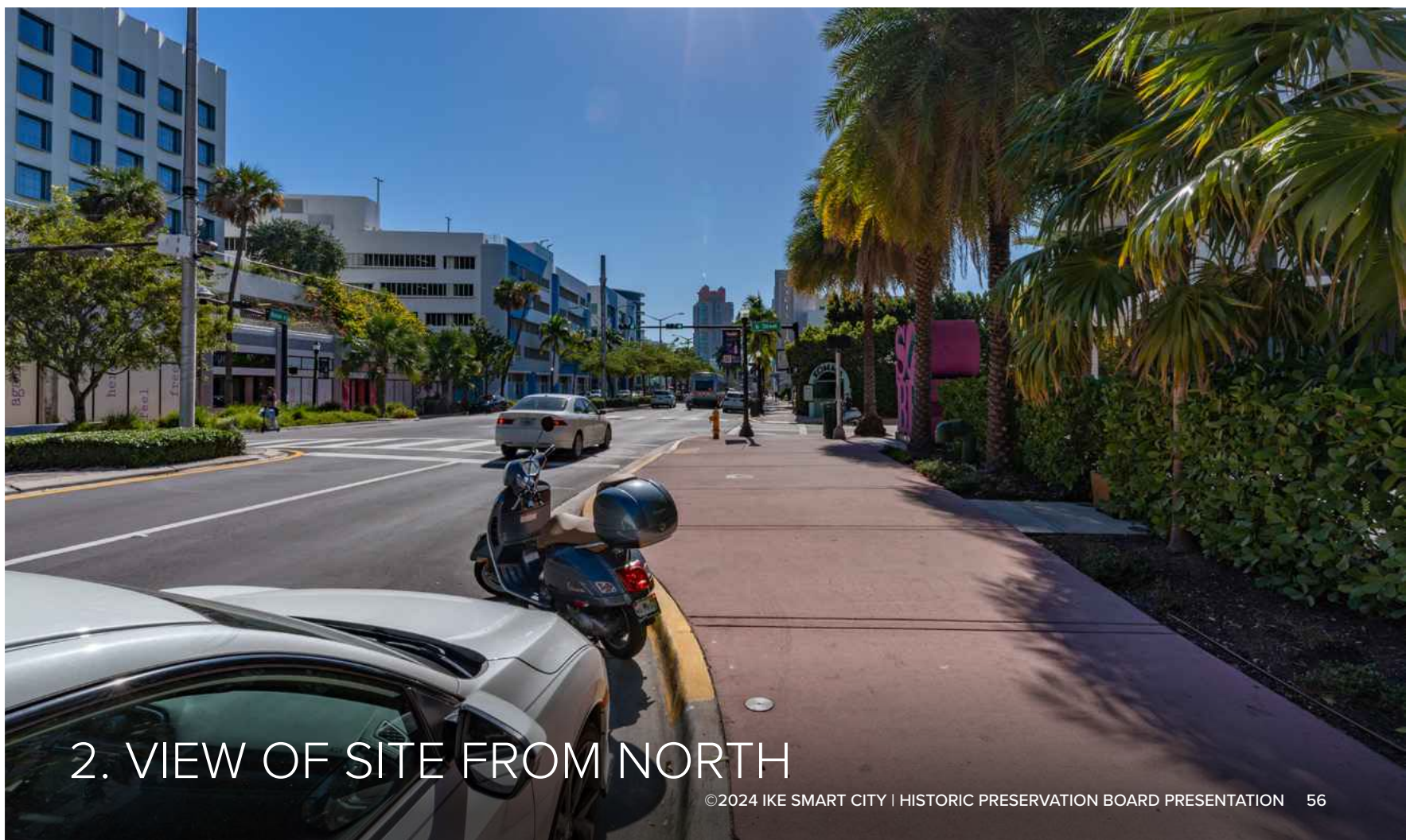
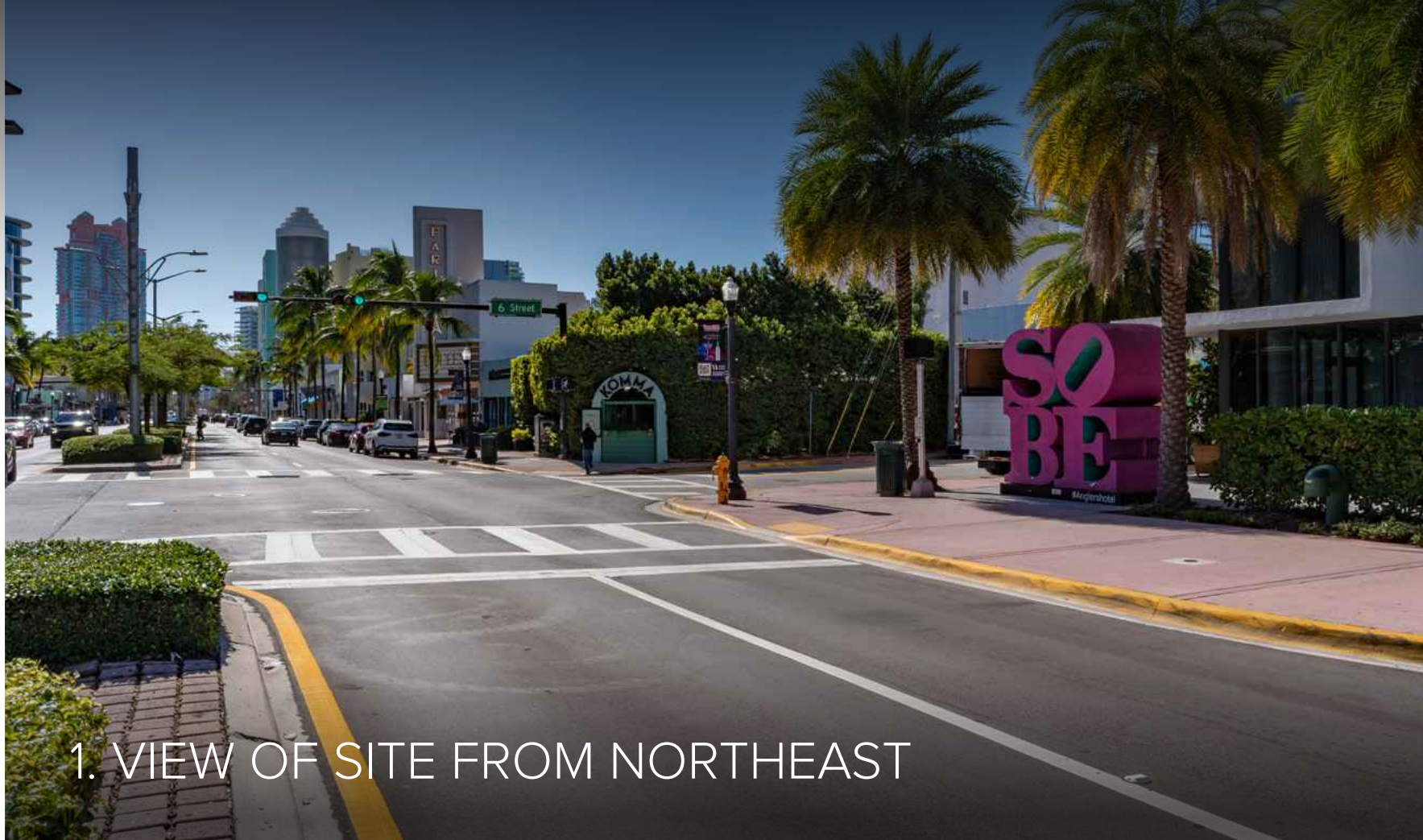
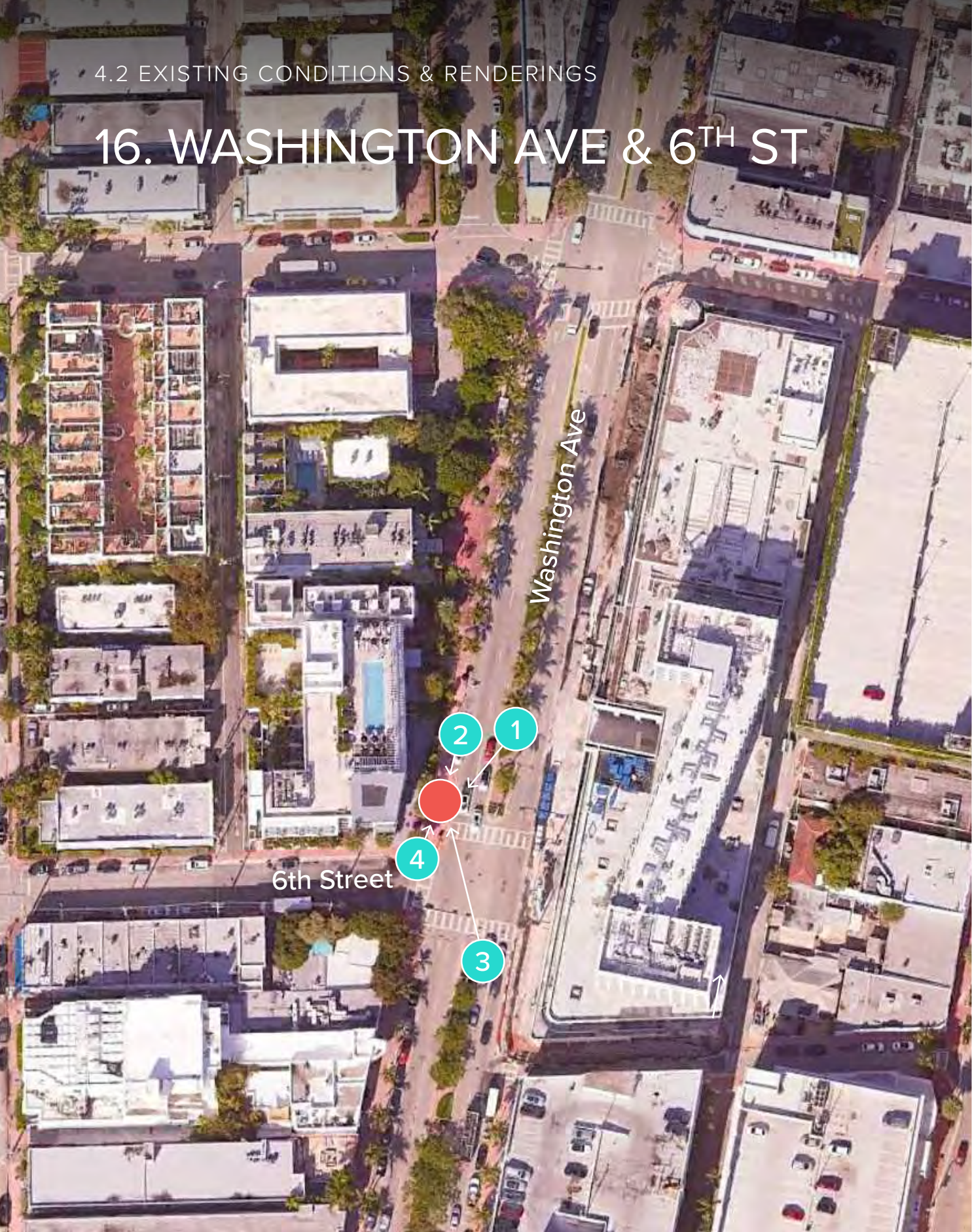
RENDERING



Pedestrian Clearance: 10' 3"

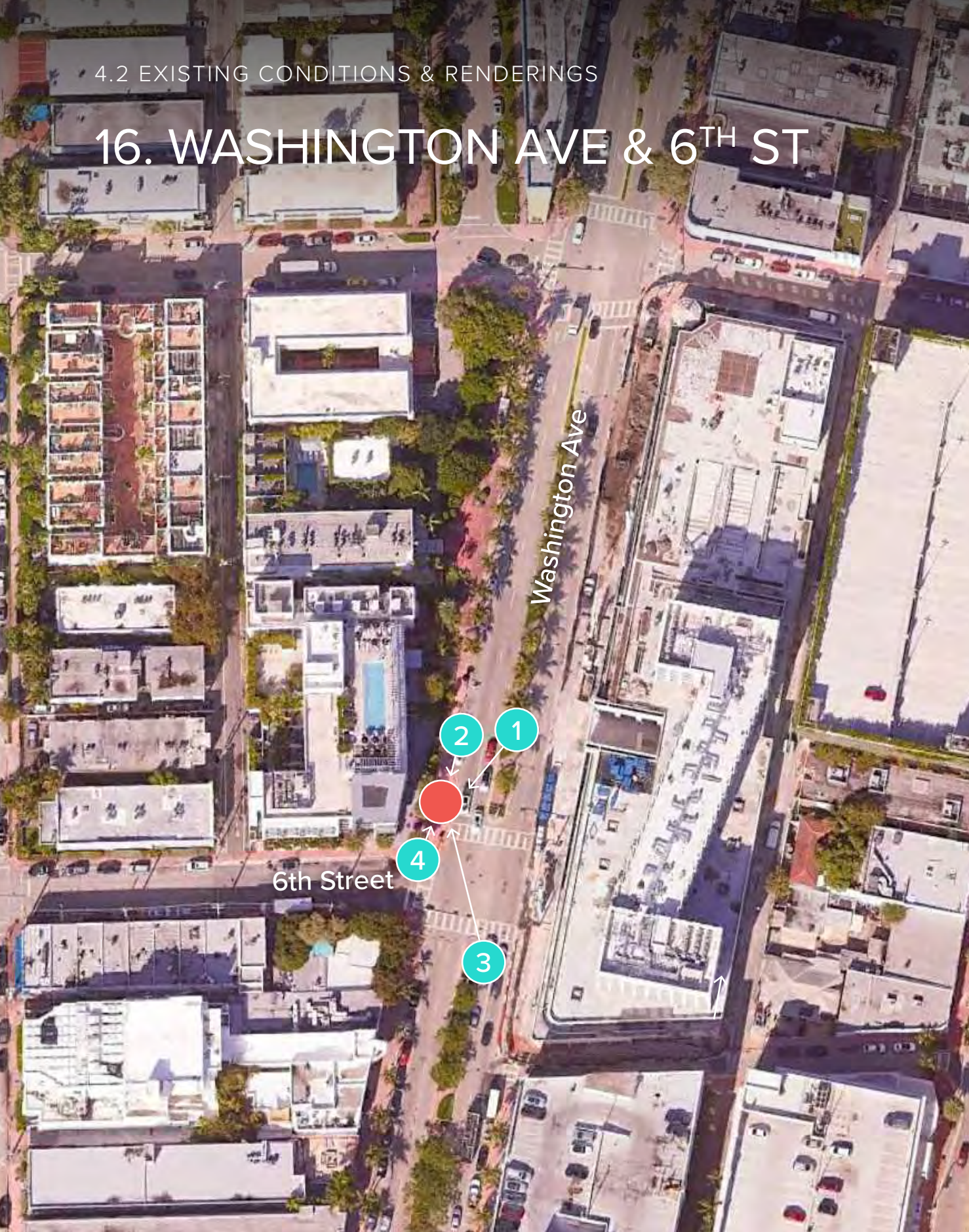
Sidewalk Width: 16"

16. WASHINGTON AVE & 6TH ST

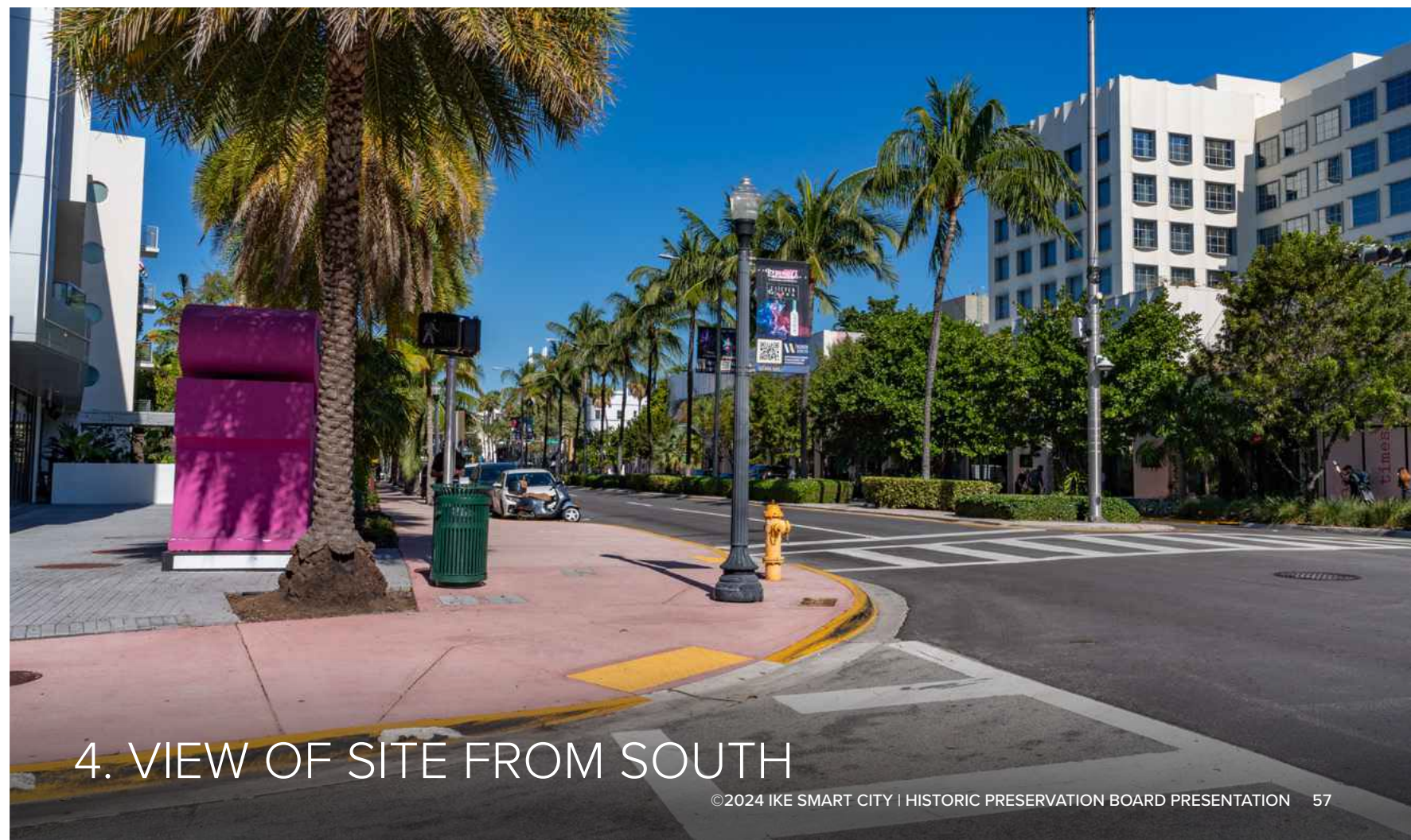


TEAL CIRCLES: PHOTOGRAPHER'S APPROXIMATE POSITION
RED CIRCLE: APPROXIMATE KIOSK POSITION

16. WASHINGTON AVE & 6TH ST



3. VIEW OF SITE FROM SOUTHEAST



4. VIEW OF SITE FROM SOUTH

- TEAL CIRCLES: PHOTOGRAPHER'S APPROXIMATE POSITION
- RED CIRCLE: APPROXIMATE KIOSK POSITION

Thank You

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APPENDIX

ACCESSIBILITY

IKE is an inclusive platform that was designed to serve the needs of all citizens. The kiosks are 100% ADA compliant and have been reviewed by an accessibility specialist to ensure compliance with federally mandated requirements. Specifically, IKE meets:

- ▶ ADA 307.2 Protrusion Limits design recommendations (for blind and low vision) by having no protruding objects, greater than 4 inches, above 27 inches from ground level
- ▶ ADA 308.2 Forward Reach design recommendations by allowing all controls to be reachable between 15 and 48 inches from ground level
- ▶ ADA 309.4 Operation recommendations and does not require tight grasping, pinching, or twisting of the wrist
- ▶ ADA 308.3 Side Reach design recommendations by allowing all controls to be reachable between 15 and 48 inches from ground level
- ▶ ADA 304.3.2 T-Shaped Space clearance standard at all kiosk locations

WHEELCHAIR ACCESSIBILITY TOOL

Repositions on-screen content to lower reach



VISUAL SUPPORT TOOLS:

HIGH CONTRAST MODE COMPARISON

Default Interface

High Contrast Mode

LARGE TEXT MODE COMPARISON

Default Interface

Large Text Mode



[Click here to read our letter of endorsement from the National Federation for the Blind.](#)



MULTILINGUAL INTERFACE

IKE is multilingual in up to 100 languages and provides the highest quality translations to accommodate those whose primary language is not English. Users can easily choose their language from a list along the left side of IKE’s home screen.

- ▶ Our interface does not rely solely on free machine-translation tools like Google Translate, which has limitations when it comes to grammatical accuracy and cultural nuance
- ▶ We use human interpreters to translate key interface elements to ensure that they are correct and contextual, thus avoiding cultural misinterpretations
- ▶ Each kiosk can be programmed to reflect the predominant language spoken in the area surrounding its location

