

Miami-Dade County
Citizens' Independent Transportation Trust

FIRST- AND LAST-MILE BICYCLE-PEDESTRIAN MOBILITY IMPROVEMENTS IN MUNICIPALITIES IN MIAMI-DADE



05.02.25



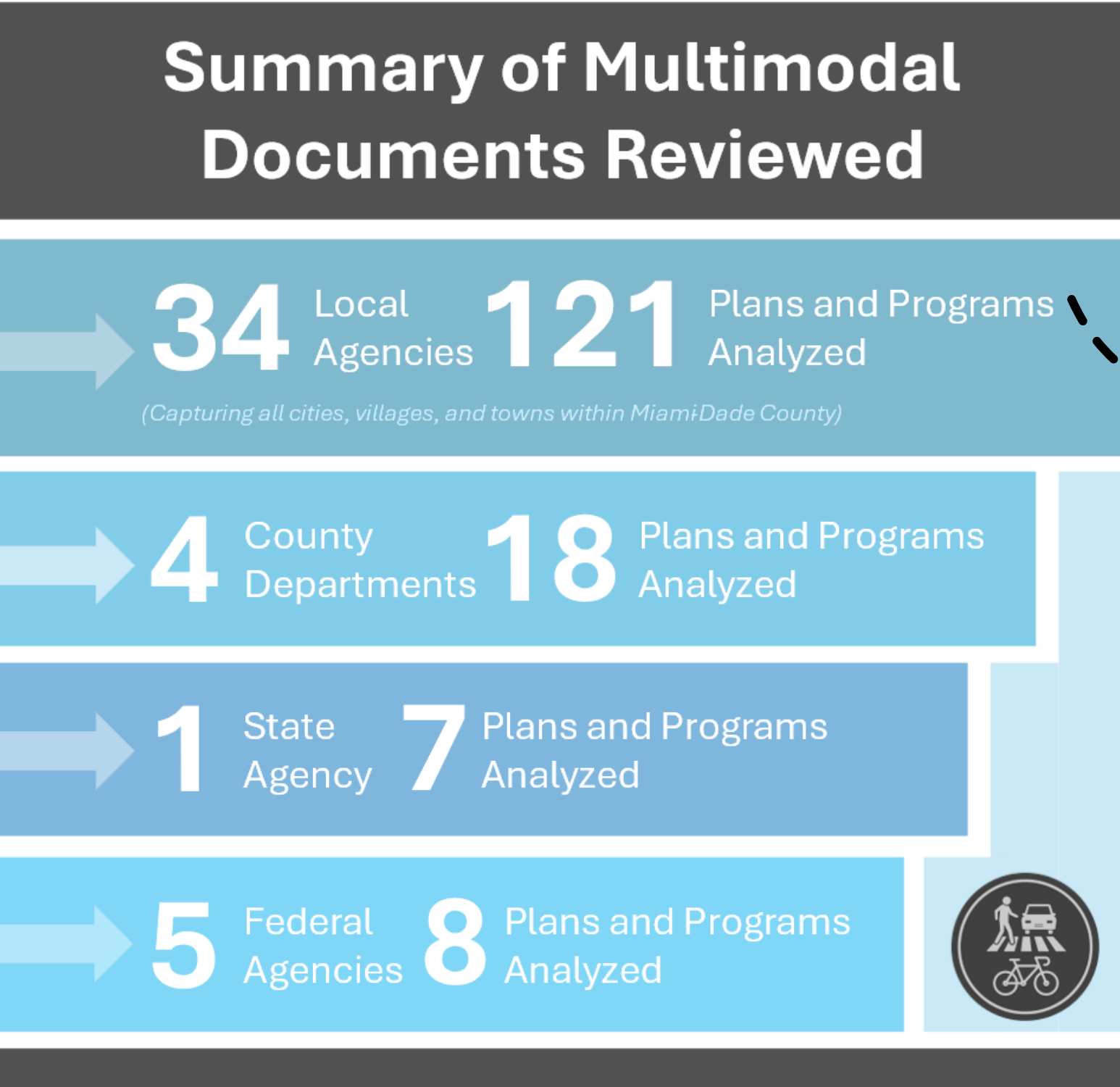


Overview:

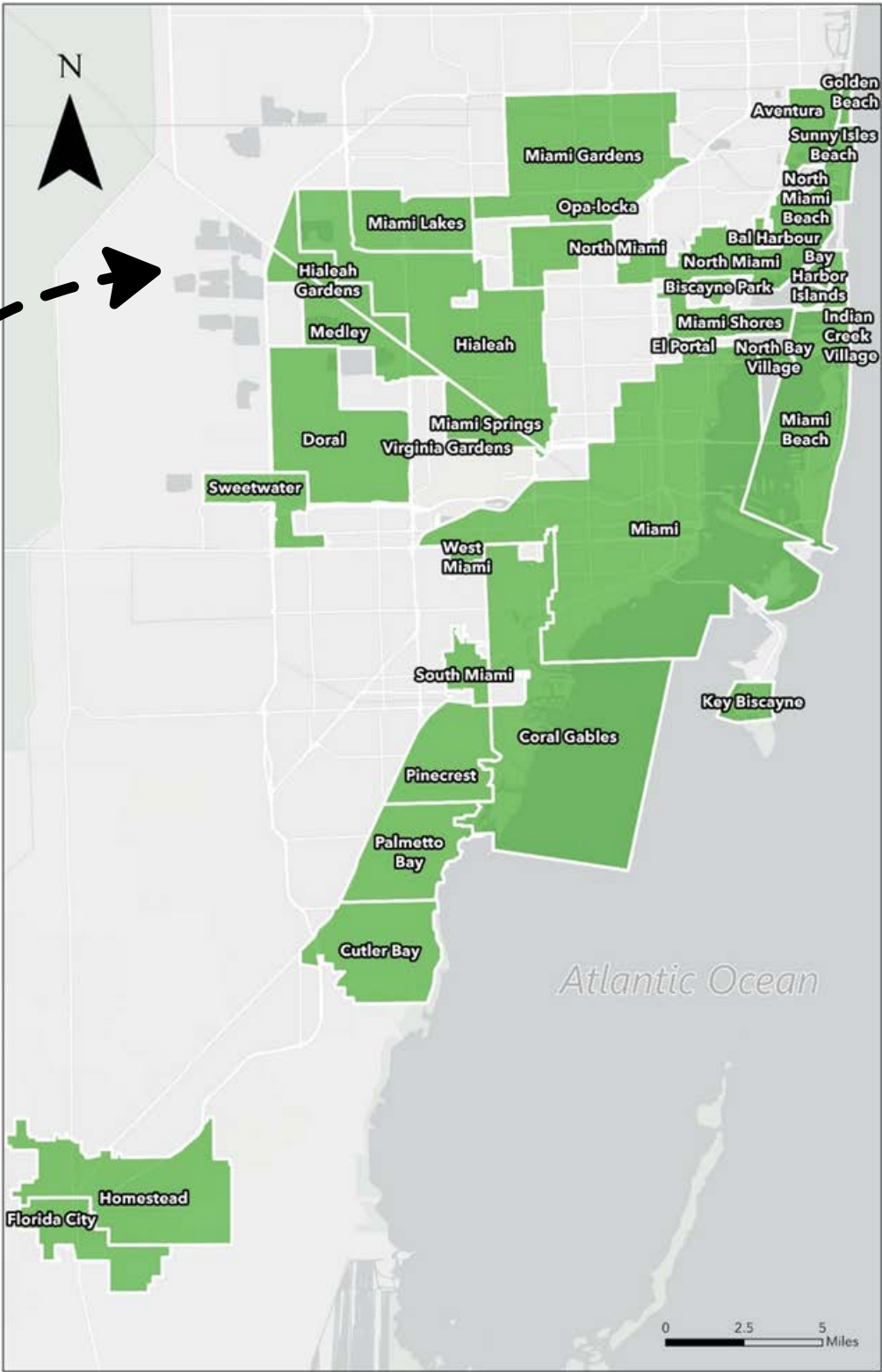
- **Review of existing and proposed bicycle and pedestrian infrastructure projects by municipalities.**
- **Assessment of current first- and last-mile initiatives and identified gaps.**
- **Evaluation of existing and proposed mobility hubs and modal connections.**
- **Support for municipalities in addressing first- and last-mile gaps by improving connections to transit hubs through the expansion of bicycle and pedestrian infrastructure networks.**



Review of Existing Bike/Ped Projects or Initiatives



Literature Review Conducted



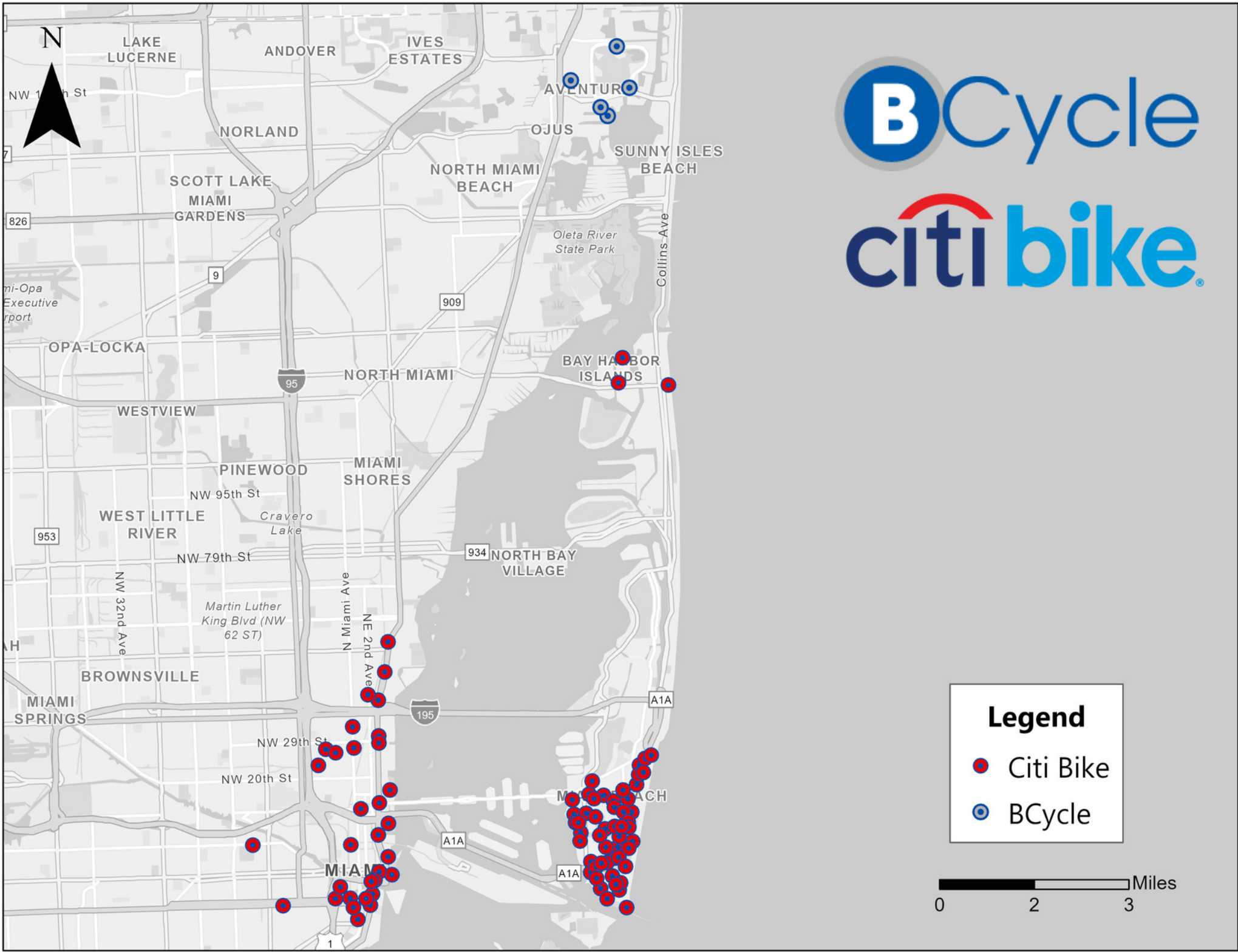
Miami-Dade County Incorporated Municipalities



Review of First- and Last-mile Initiatives

Bikesharing Programs

- Aventura
- Bal Harbour
- Bay Harbor Islands
- Miami
- Miami Beach

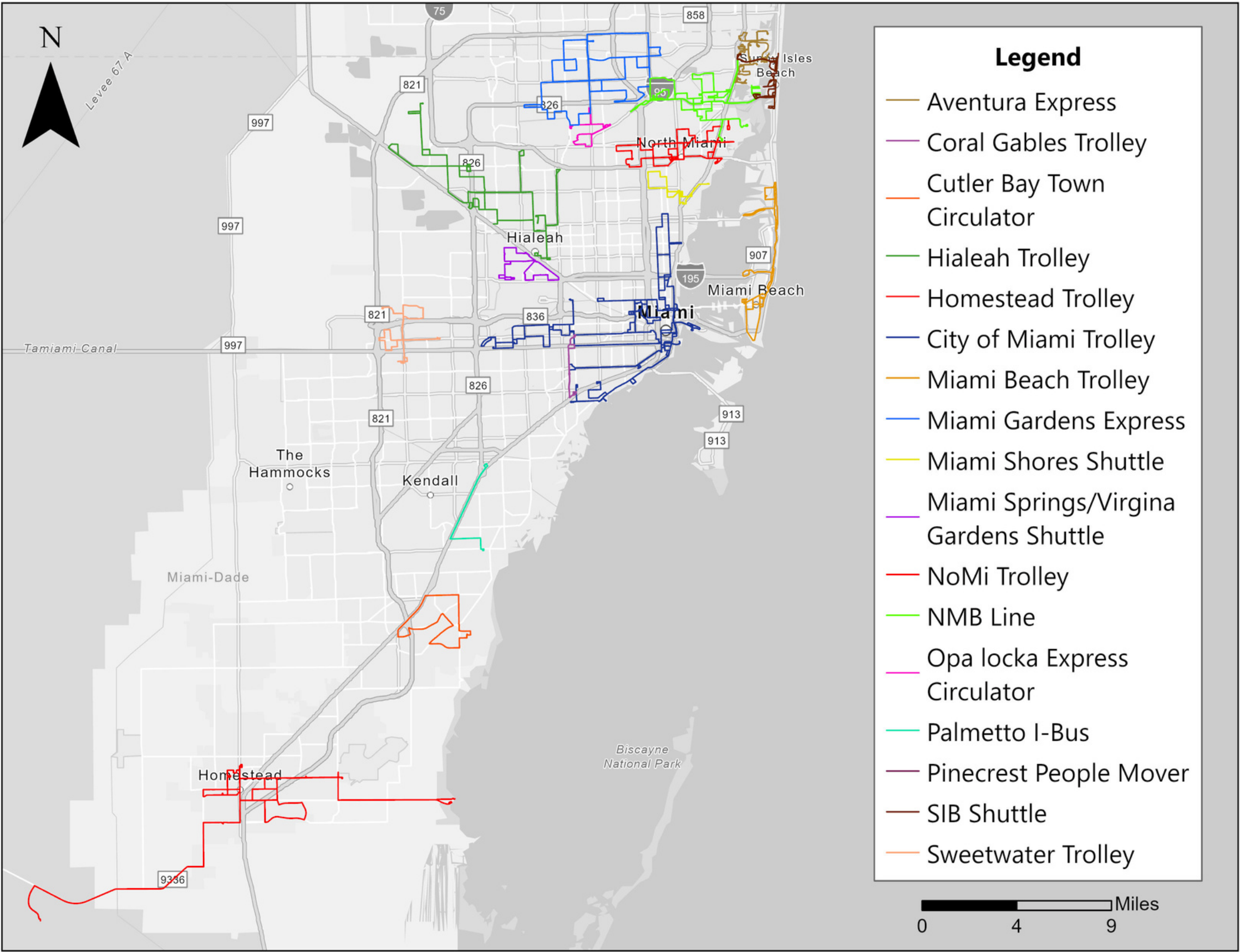




Municipal Trolley Services

- **Aventura Express**
- **Coral Gables Trolley**
- **Cutler Bay Local Circulator**
- **Doral Trolley**
- **Hialeah/Hialeah Gardens Transit**
- **Homestead Trolley**
- **City of Miami Trolley**
- **City of Miami Beach Trolley**
- **Medley Circulator***
- **Miami Gardens Express**
- **Miami Shores Shuttle**
- **Miami Springs/Virginia Gardens Shuttle**
- **North Miami (NoMi) Express**
- **North Miami Beach (NMB) Line**
- **Opa-locka Express Circulator**
- **Palmetto Bay I-Bus**
- **Pinecrest People Mover**
- **Sunny Isles Beach Shuttle (SIB Shuttle)**
- **Sweetwater Trolley**

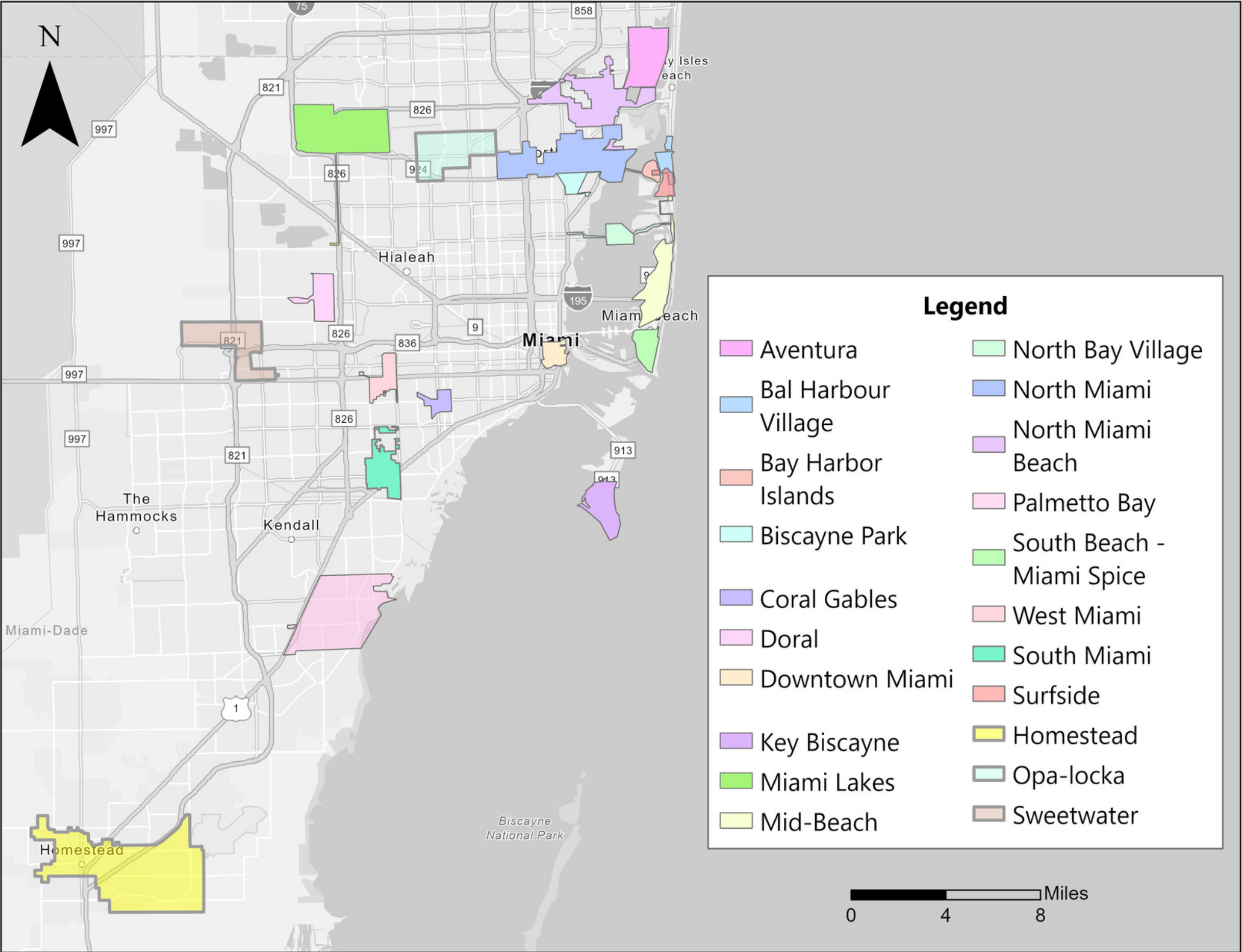
**Routes vary per day and week*





FreeBee

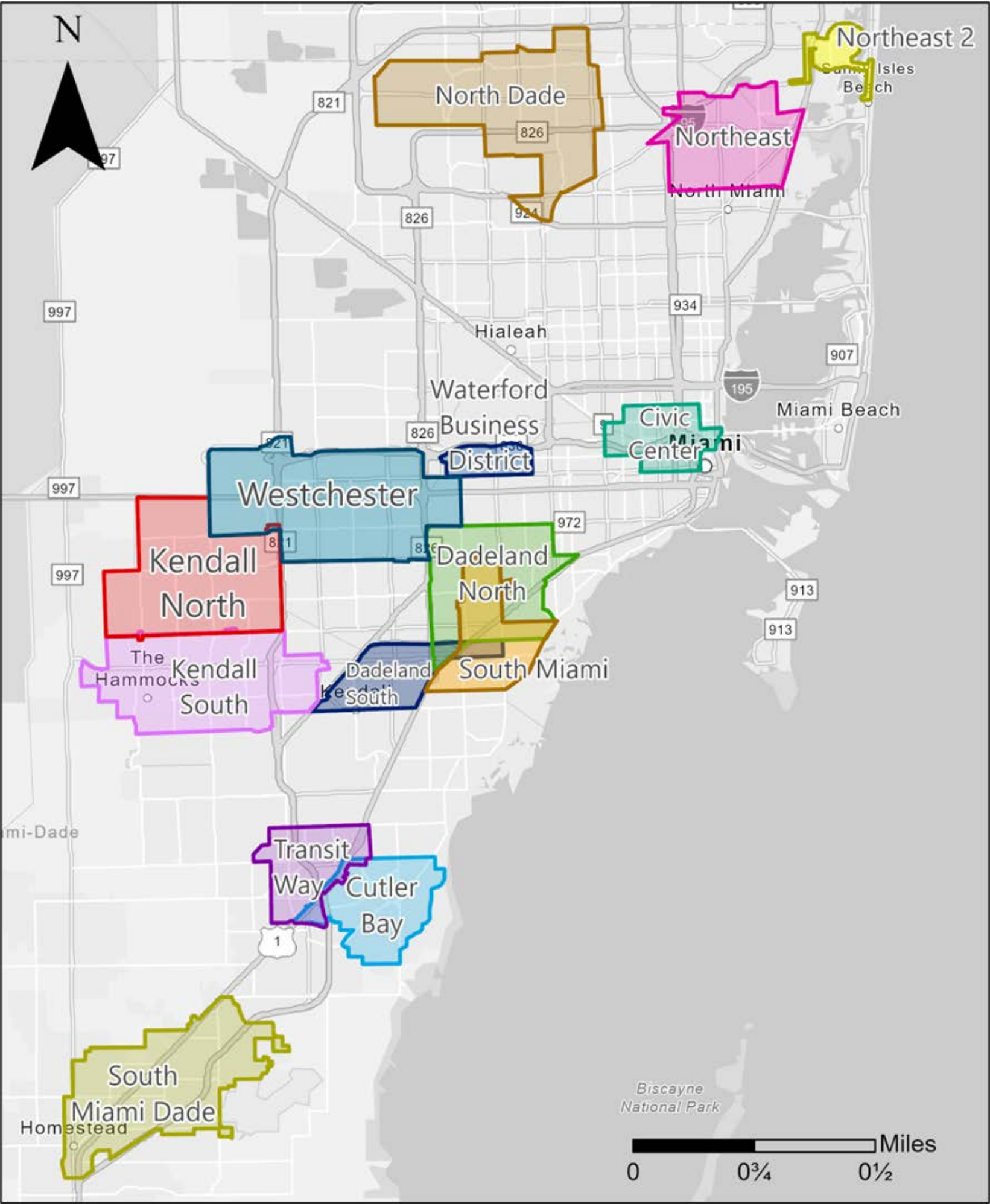
- Aventura
- Bal Harbour
- Bay Harbour Islands
- Biscayne Park
- Coral Gables
- Doral
- Florida City
- Hialeah
- Homestead
- Key Biscayne
- Miami (DDA)
- Miami Beach
- Miami Lakes
- North Bay Village
- City of North Miami
- North Miami Beach
- Opa-locka
- Palmetto Bay
- Pinecrest
- South Miami
- Surfside
- Sweetwater (FIU)
- West Miami





MetroConnect Services

- North Dade
- Northeast
- Northeast 2
- Civic Center
- Dadeland North
- Dadeland South
- Cutler Bay
- Westchester
- Transit Way
- South Miami
- Waterford Business District
- Kendall North
- Kendall South

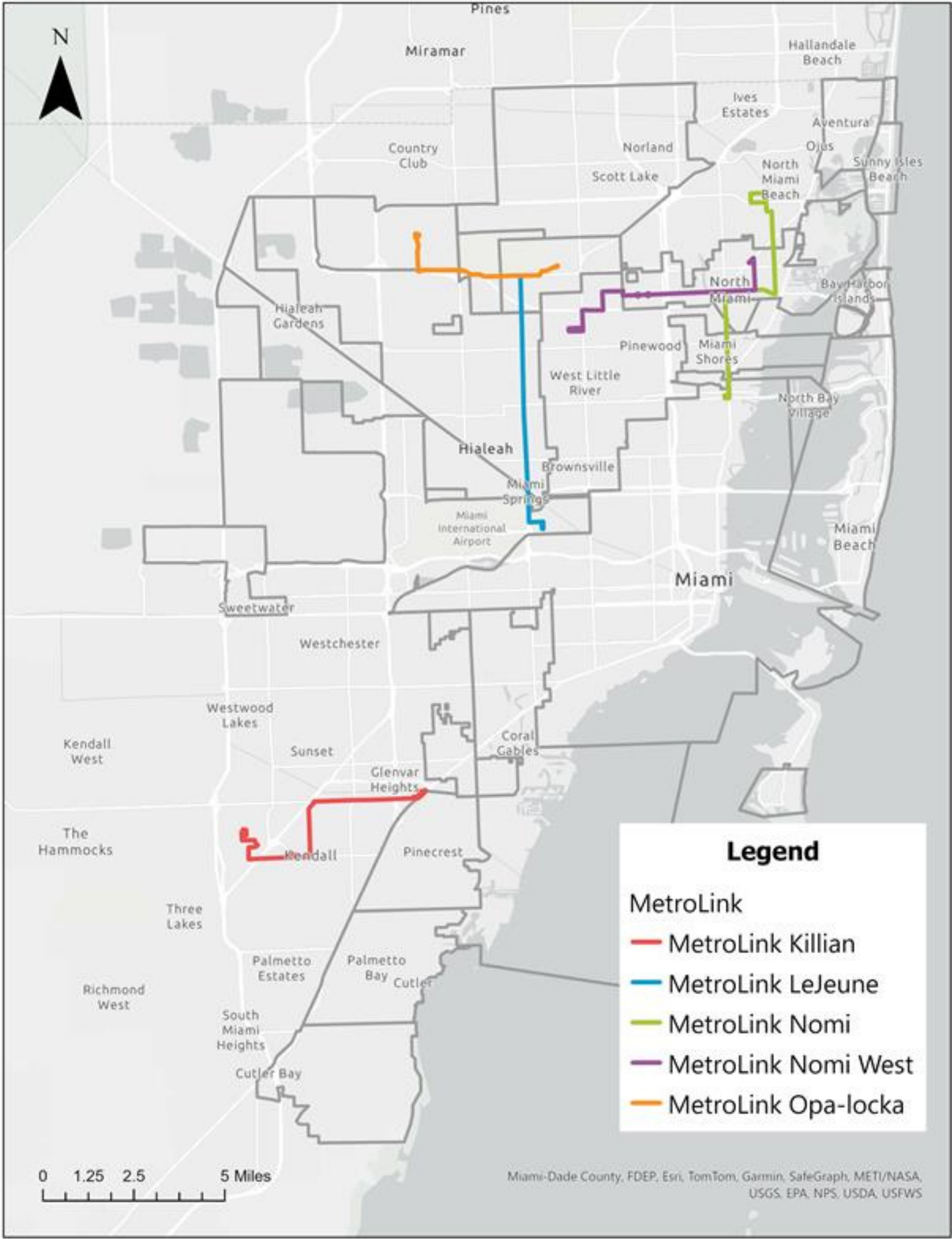




Metrolink Services

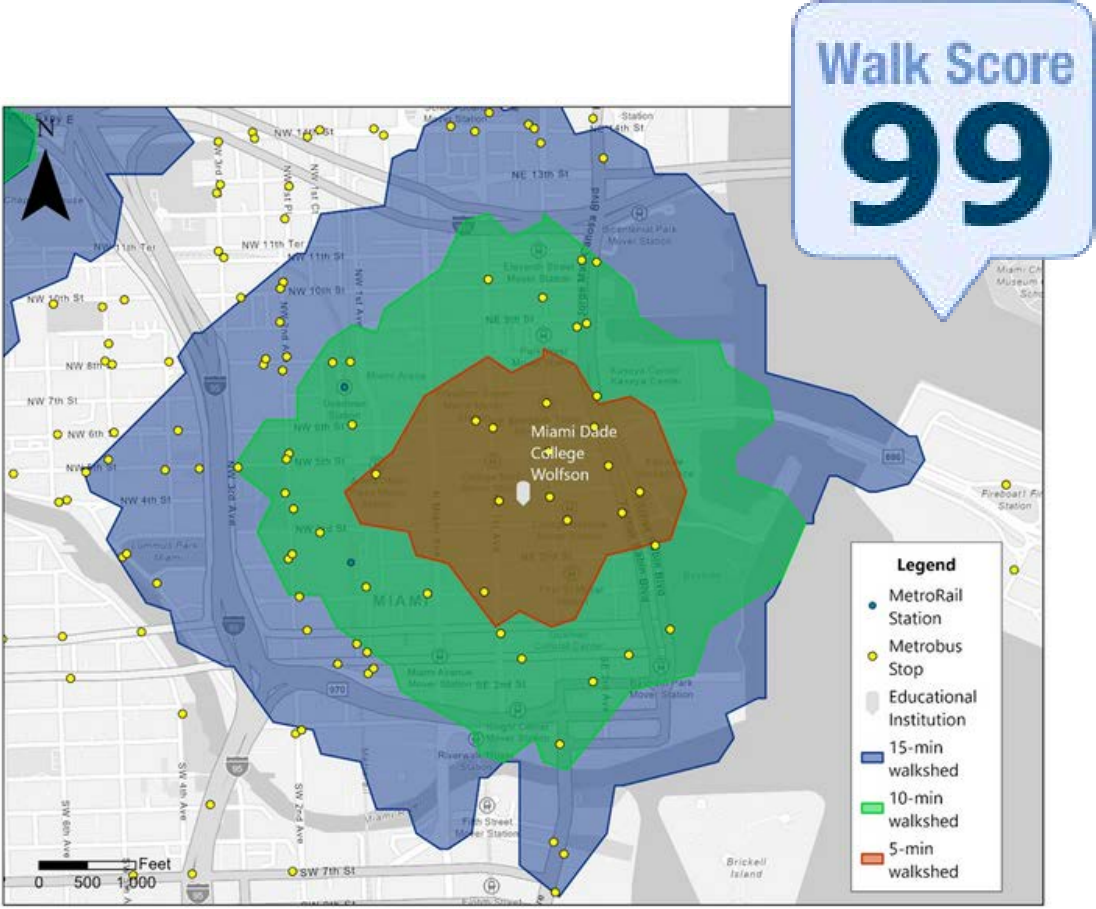
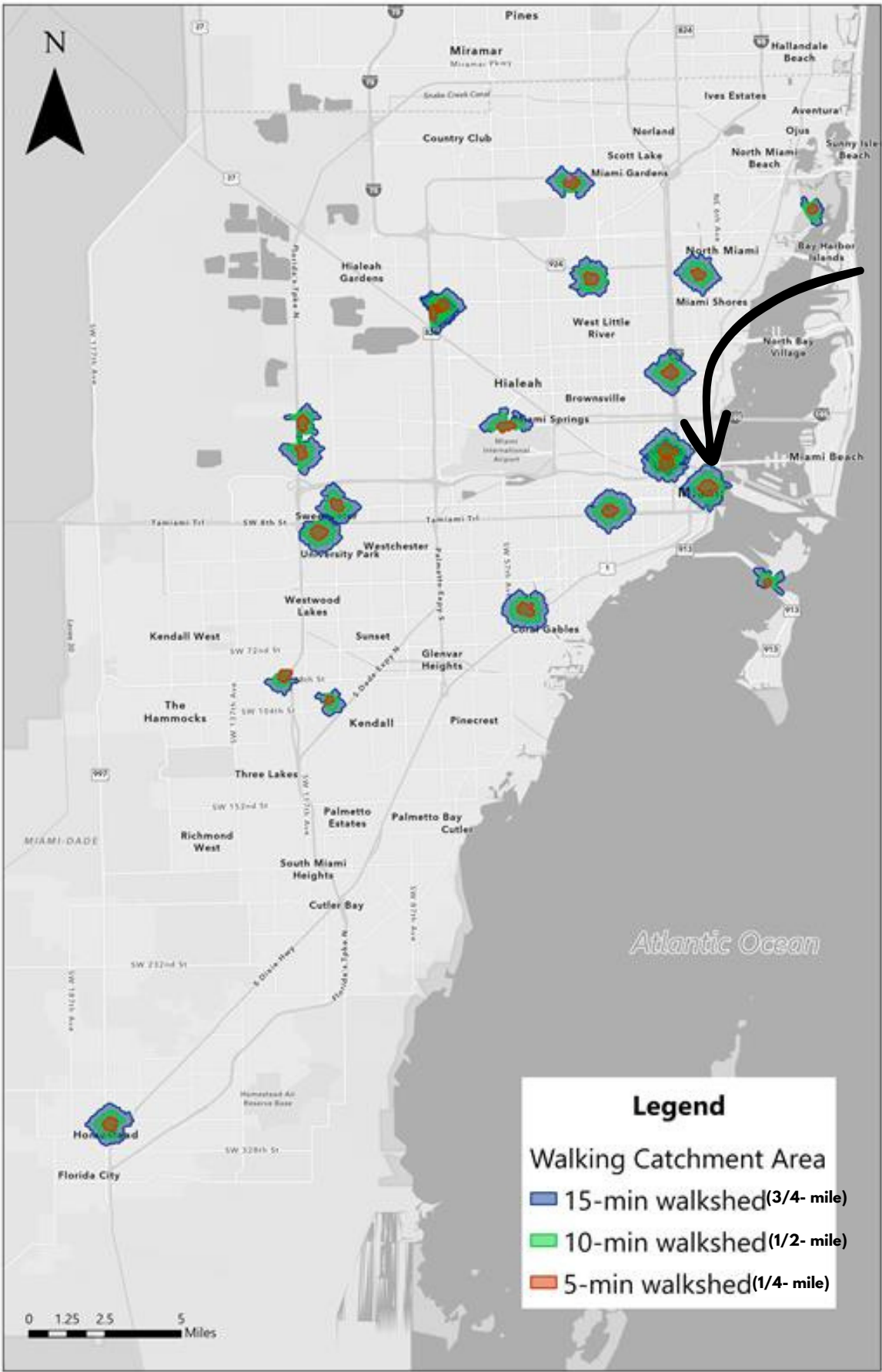
- **Metrolink LeJeune**
- **Metrolink NoMi West**
- **Metrolink Opa-locka**
- **Metrolink NoMi**
- **Metrolink Killian**

Metrolink





Walkability Assessment for Educational Centers with > 5,000 students

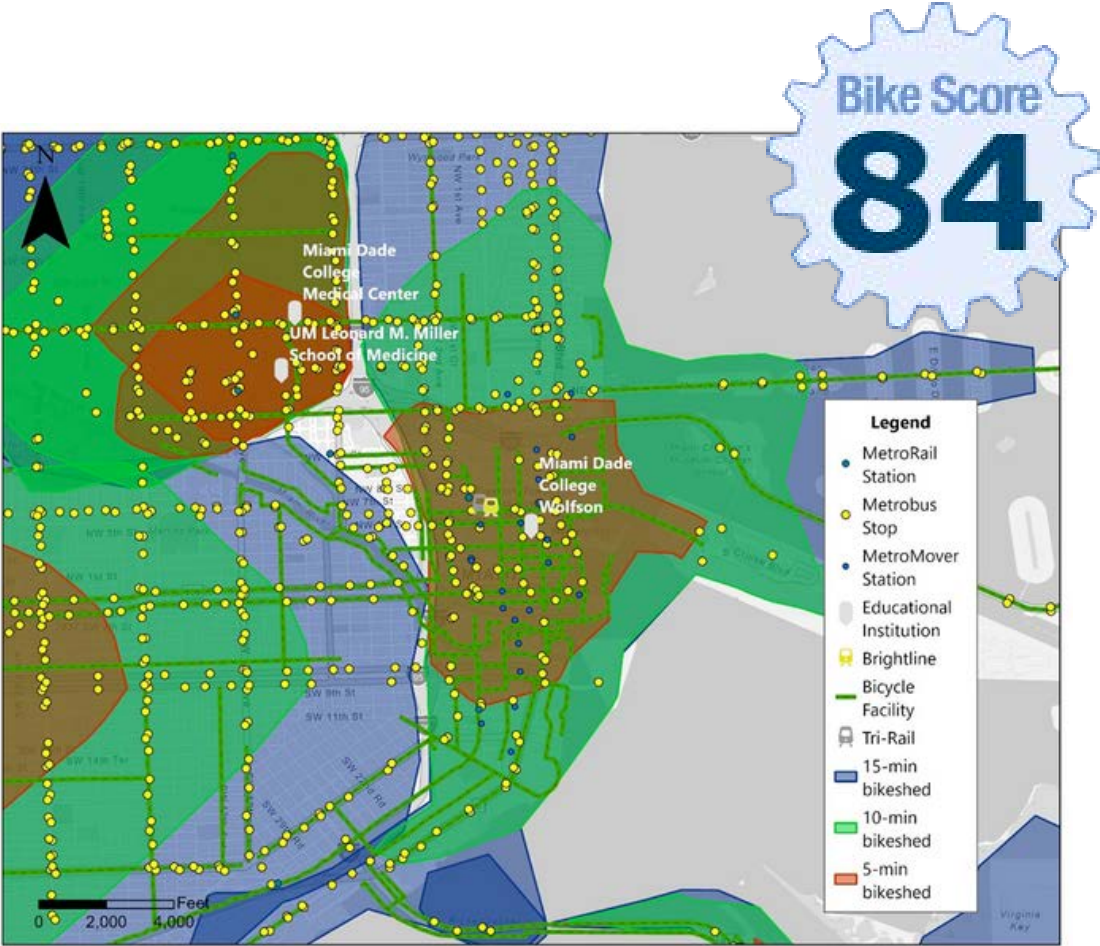
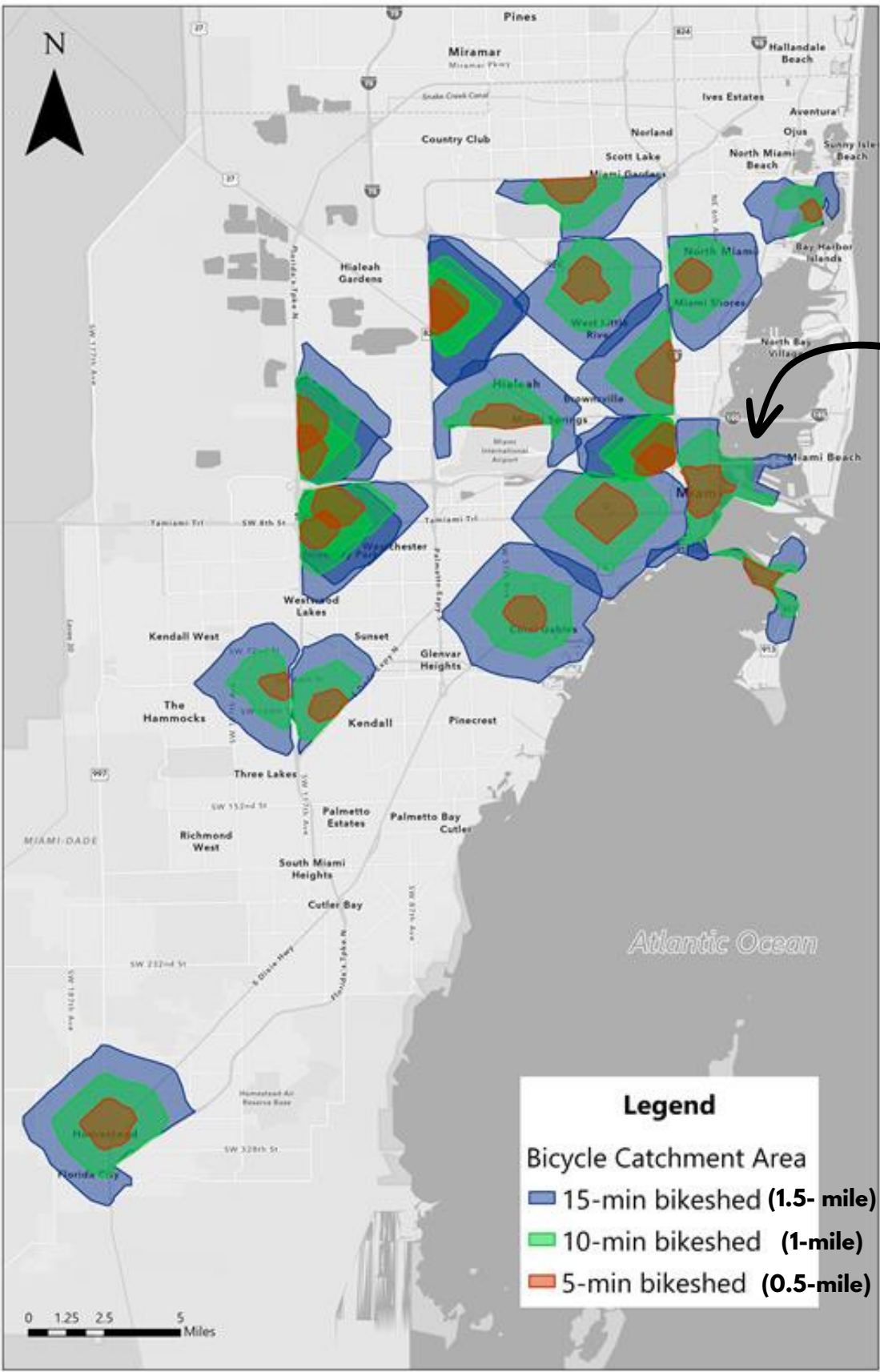


Miami-Dade College - Wolfson Campus' Walkshed*

* Area that illustrates how far a person can travel on foot within a specific time frame or distance from key locations such as transit stops, schools, or commercial centers



Bikeability Assessment for Educational Centers with > 5,000 students

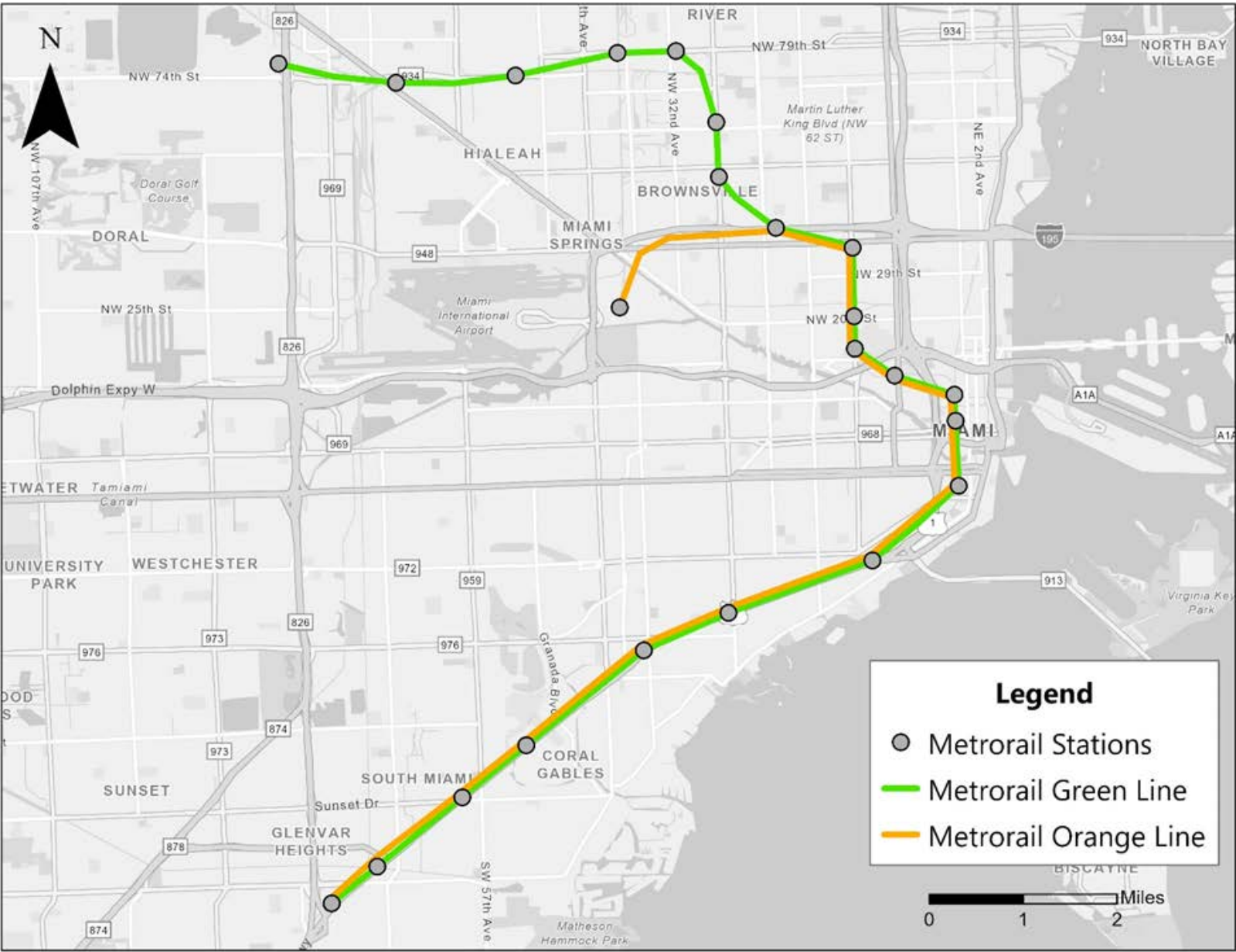


Miami-Dade College - Wolfson Campus' Bikeshed*

* An area that shows how far a person can travel by bike within a certain timeframe or distance from important locations—like transit stops, schools, or commercial centers.



Transit Hubs in Miami-Dade County



Metrorail

Top Stations:

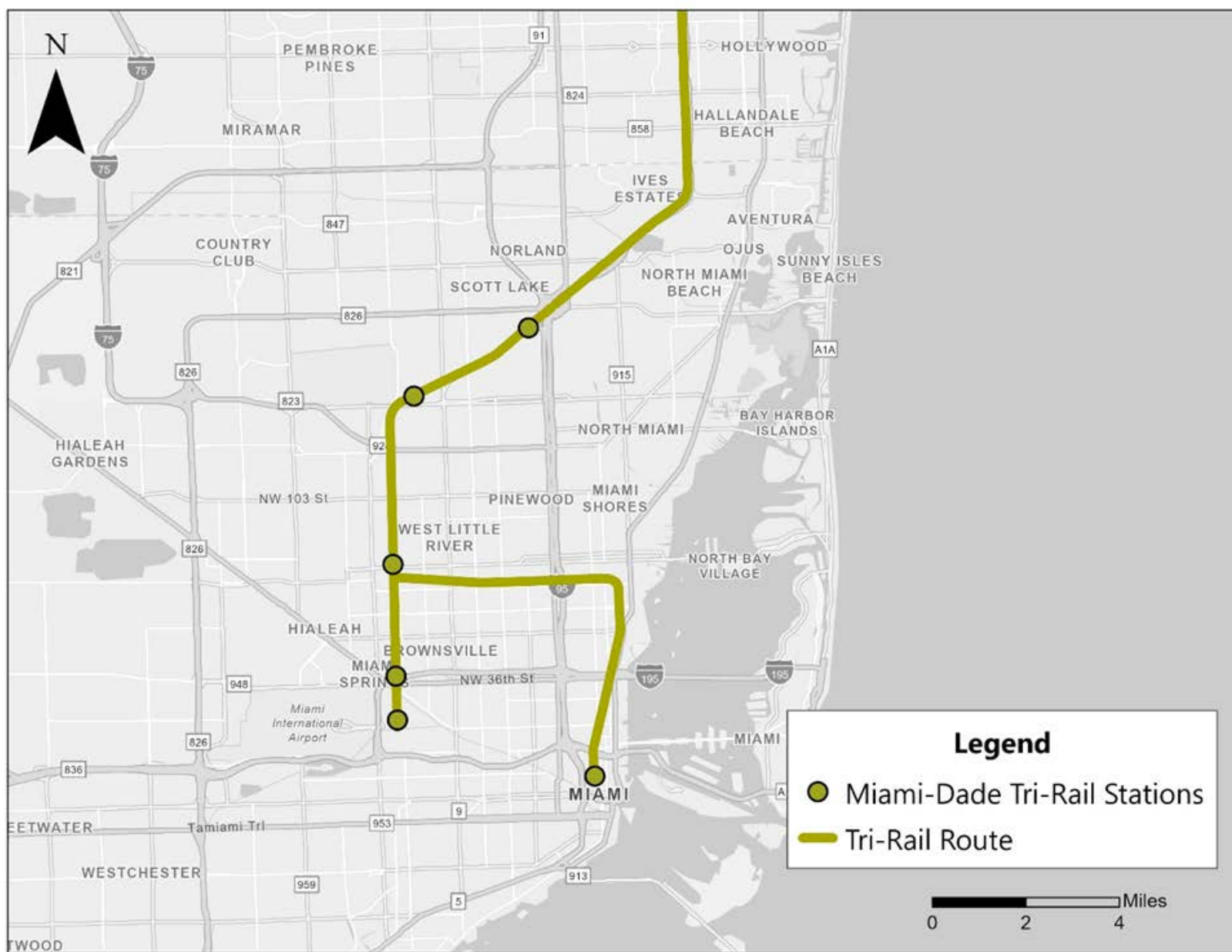
- **Government Center**
- **Brickell**
- **Dadeland South**
- **Civic Center**
- **Dadeland North**

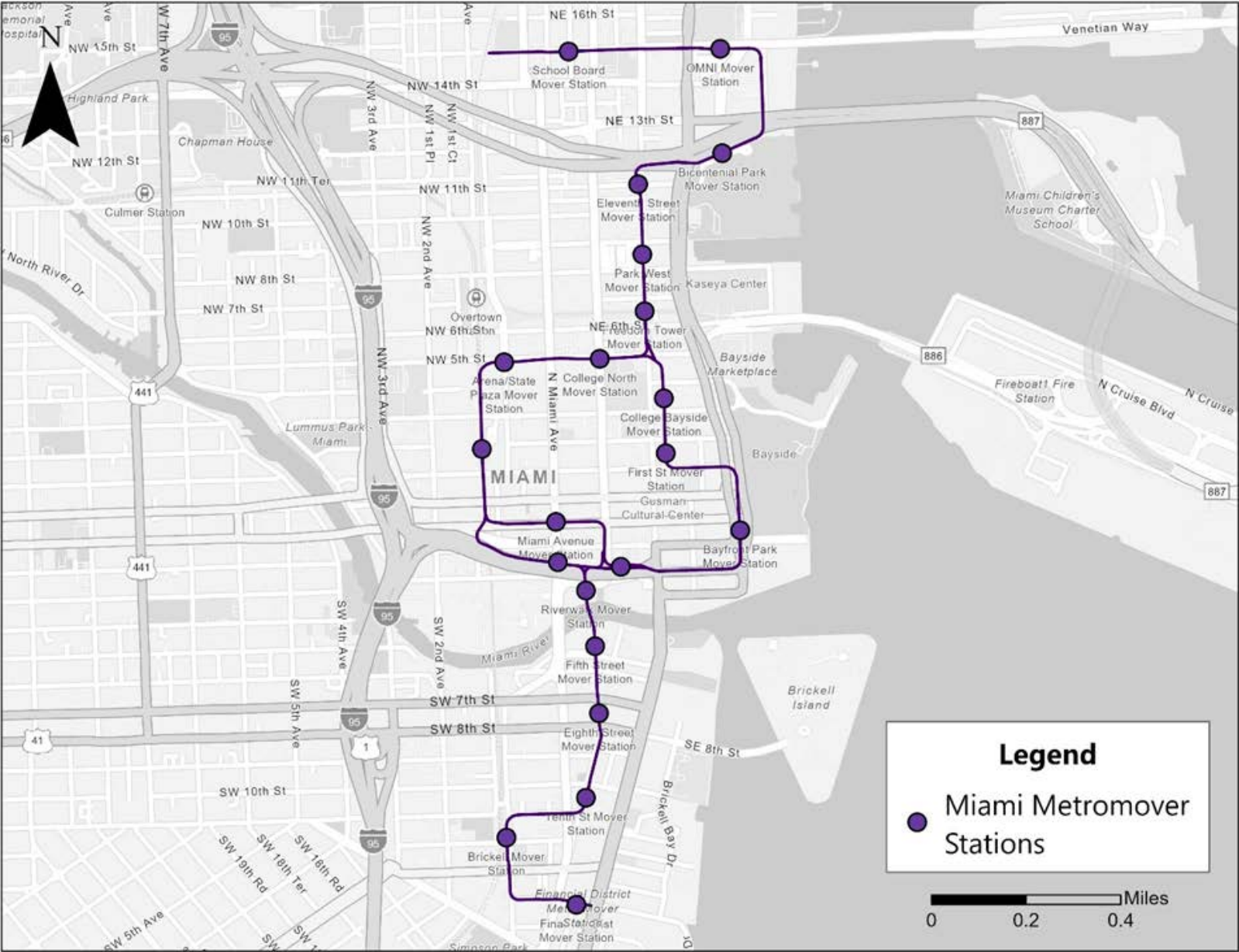
Bottom Stations:

- **Brownsville**
- **Santa Clara**
- **Okeechobee**



Source: Miami Transit Ridership Reports (2024)



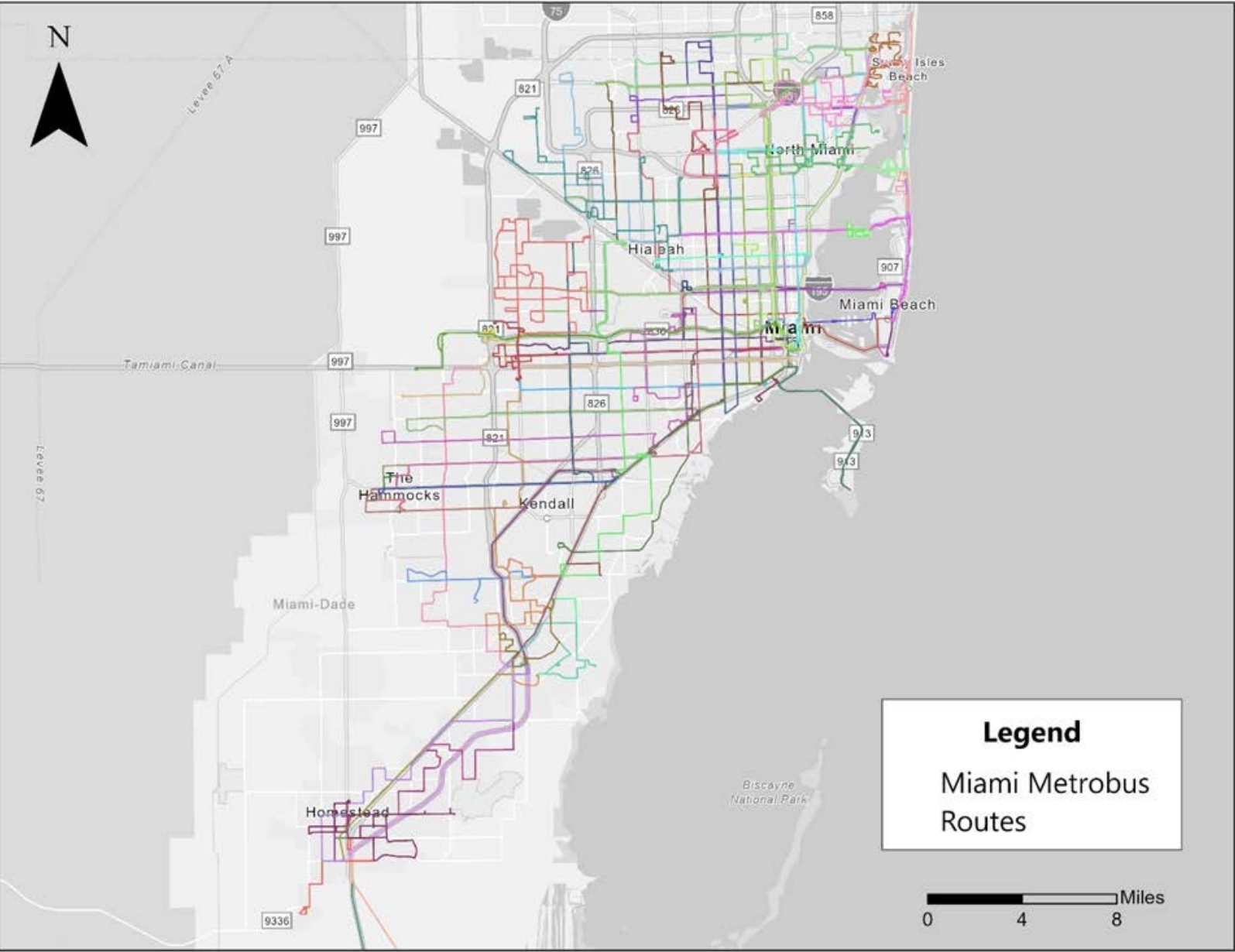


Metromover

- Top Stations:**
- **Brickell**
 - **Bayfront Park**
 - **Eight Street**
 - **Government Center**
 - **Omni**
- Bottom Stations:**
- **Knight Center**
 - **Third Street**
 - **Miami Avenue**

Source: Miami Transit Ridership Reports (2024)





Metrobus

Top Routes:

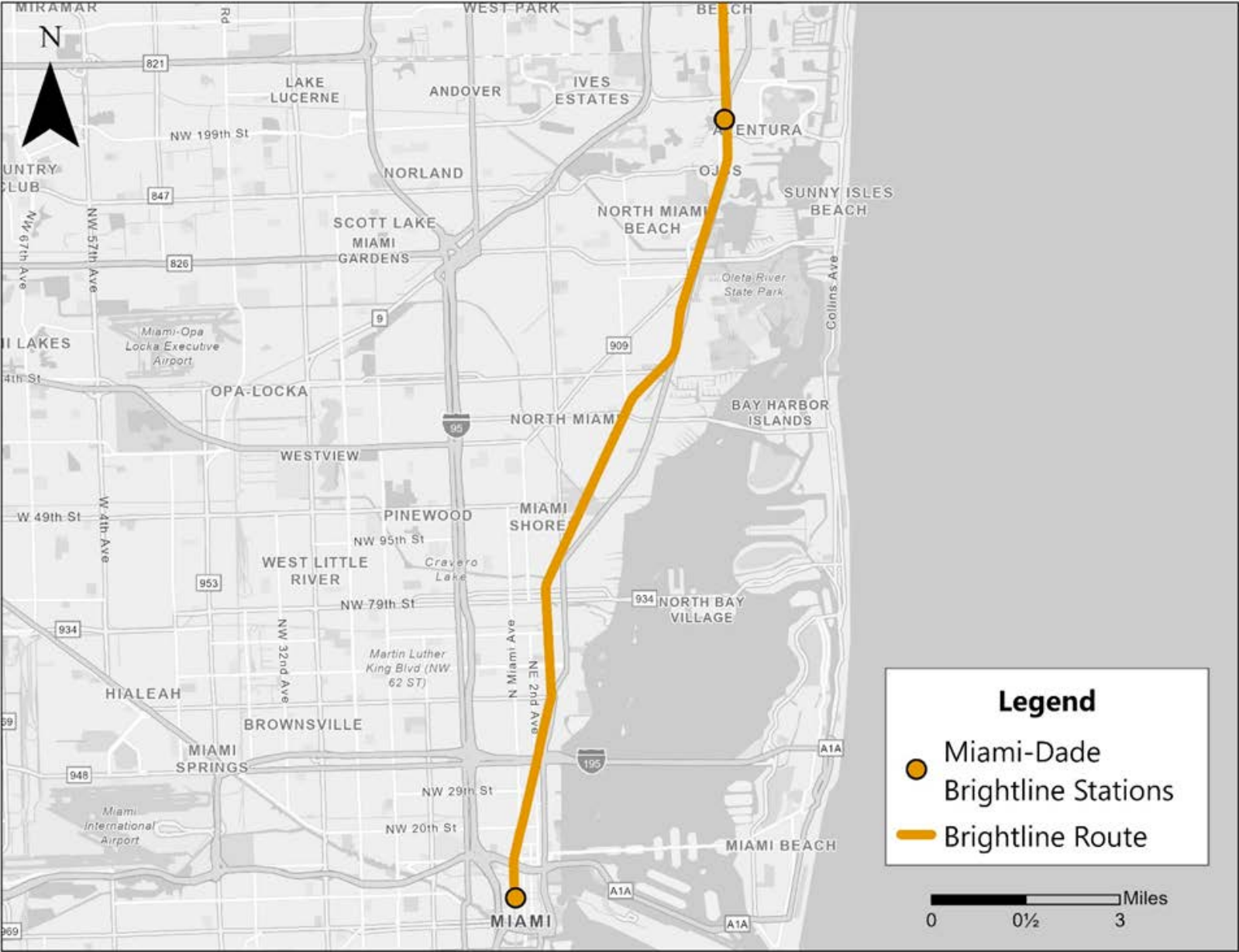
- 36
- 17
- 38
- 3
- 79

Bottom Routes:

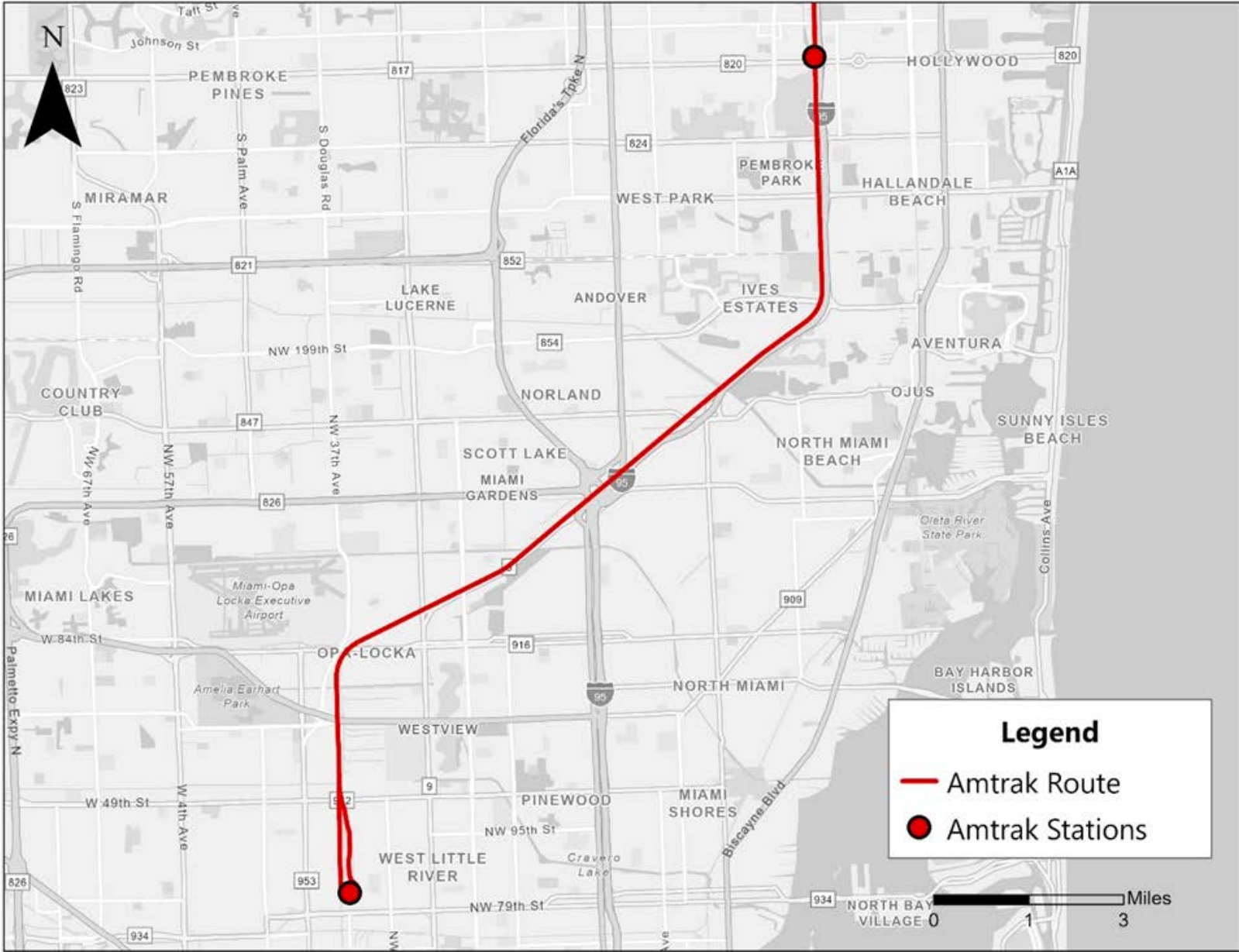
- 132
- 338
- 401
- 400
- 344



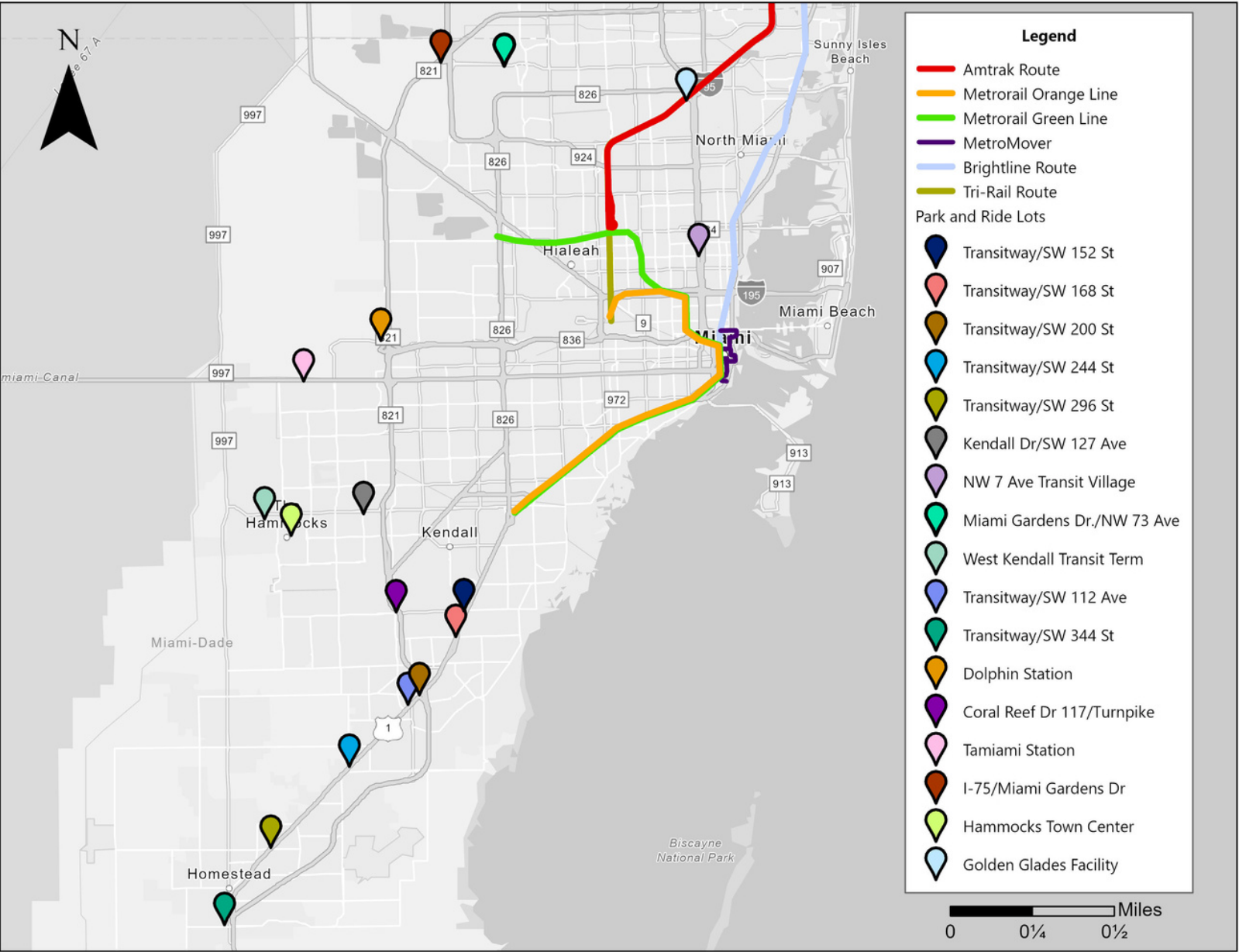
Source: Miami Transit Ridership Reports (2024)



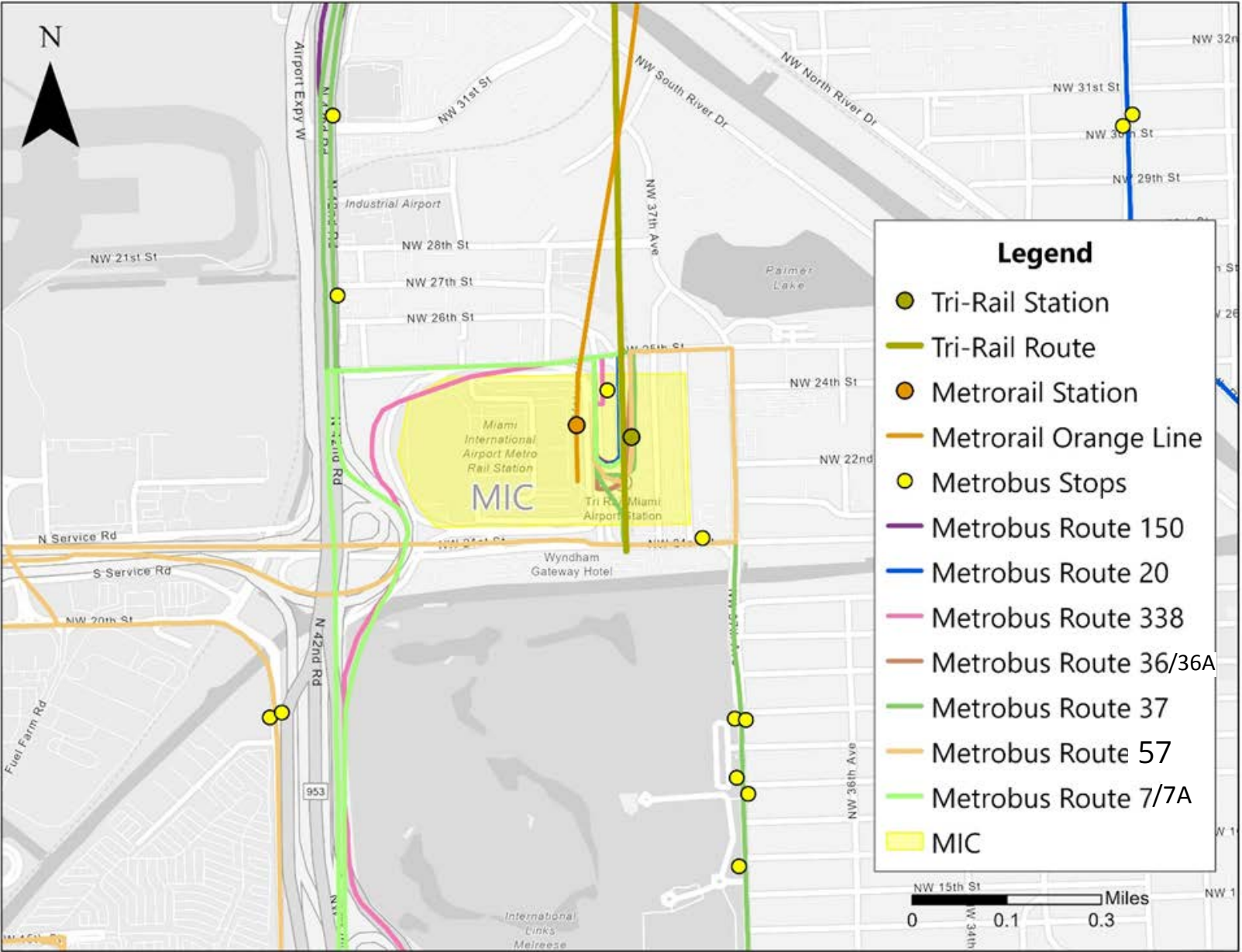
Brightline



Amtrak



Park-and-Ride Lots



The MIC

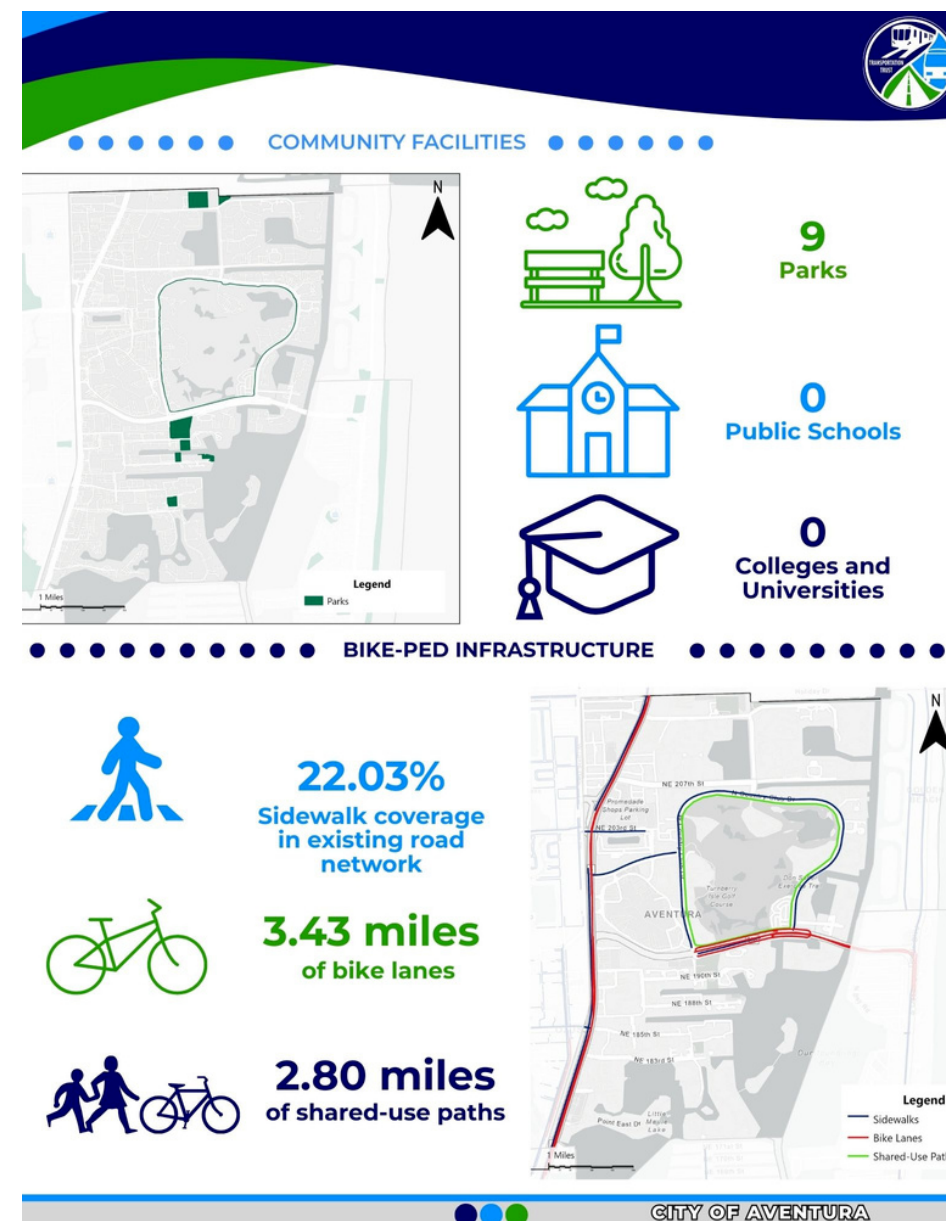


Overall Findings

- **Municipal services often suffer from long waiting times, rendering them an unreliable choice for competitive transportation.**
- **Many on-demand services experience high cancellation rates, pointing to potential shortcomings in the quality of service provided**
- **Several higher education institutions are situated near major limited-access facilities, which act as barriers for pedestrians and cyclists, hindering their mobility.**
- **Transit hubs are insufficiently accommodating to bicyclists, lacking secure parking facilities and access ramps that would promote seamless multimodal travel.**



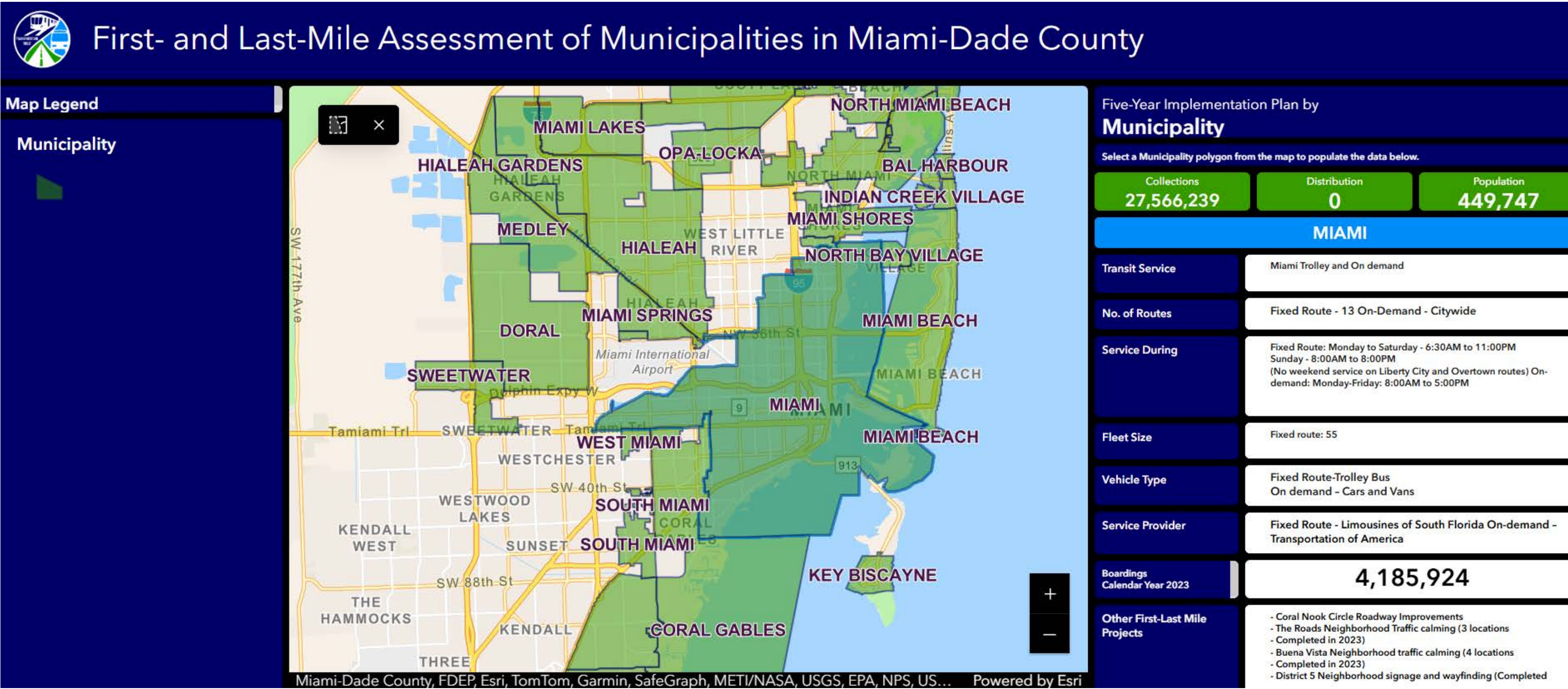
- **The cycling infrastructure exhibits significant gaps in the network, which not only heightens safety risks but also disrupts travel continuity.**
- **Limited connectivity between transit hubs and educational institutions undermines efforts to promote multimodal travel, creating barriers for cyclists seeking reliable and accessible routes.**
- **Certain municipal services fall short in supporting multimodal travel due to the absence of rolling stock equipped with proper accommodations for bicycles**
- **Although bikesharing is highly popular among tourists, it lacks integration into the broader transportation network at a countywide level**



- **Identify main transit, micro-transit, and first/last-mile initiatives across Miami-Dade County municipalities.**
- **Highlight infrastructure gaps to prioritize pedestrian and bicycle improvements.**
- **Guide investment decisions for impactful mobility solutions.**
- **Enhance public transit access, boosting ridership and reducing personal vehicle dependency.**
- **Support economic growth by improving transportation access to commercial areas.**
- **Determine plans and policies for long-term investments.**

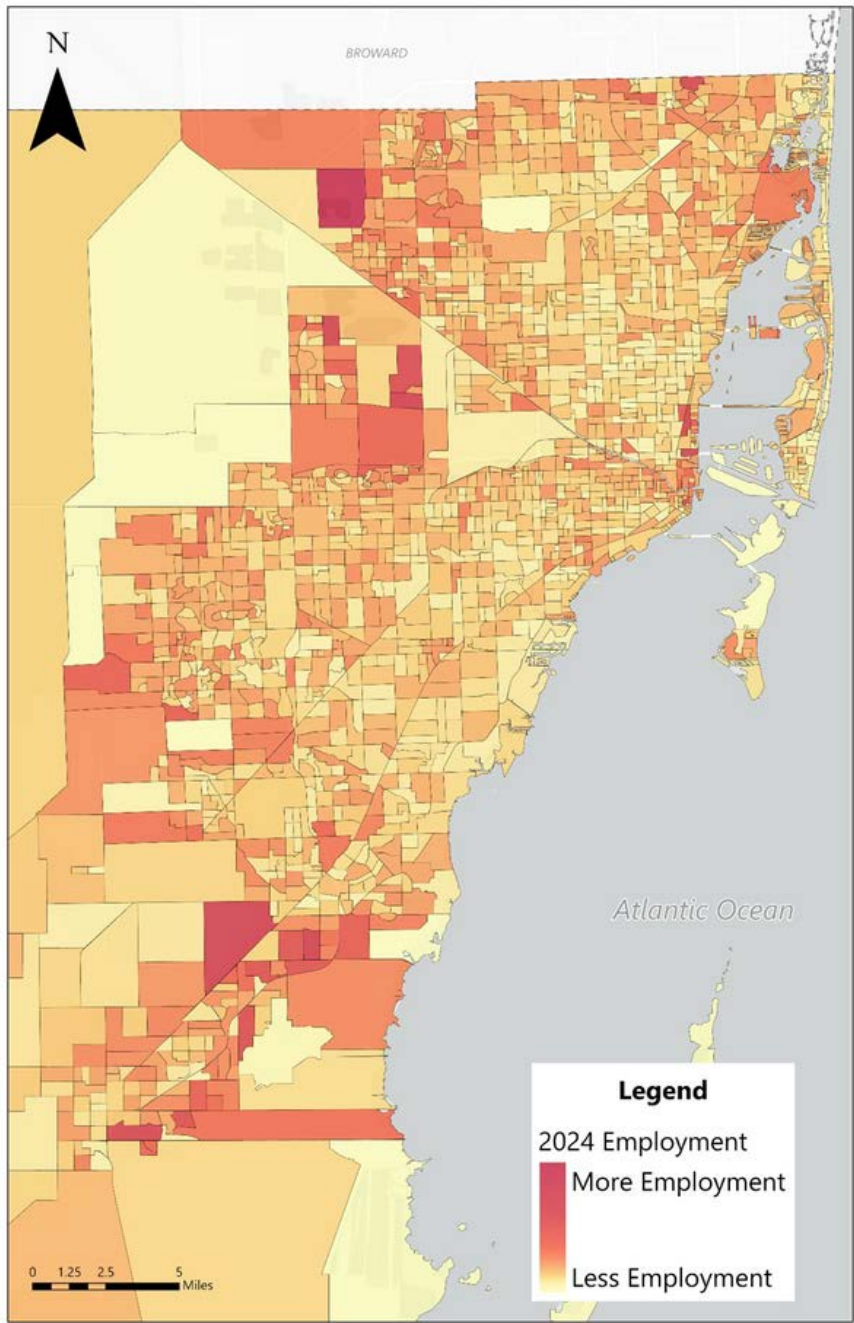


First- and Last-mile Assessment Dashboard

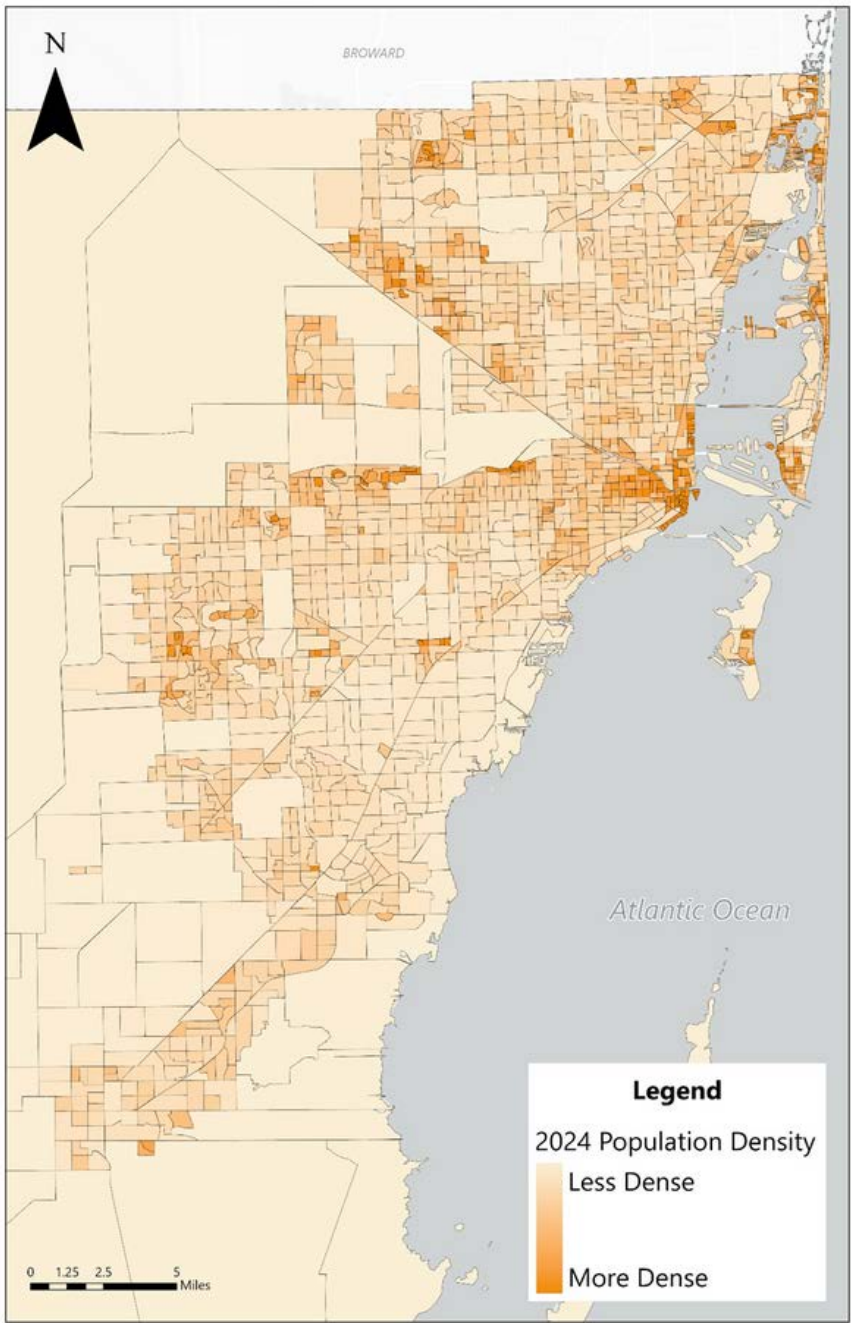




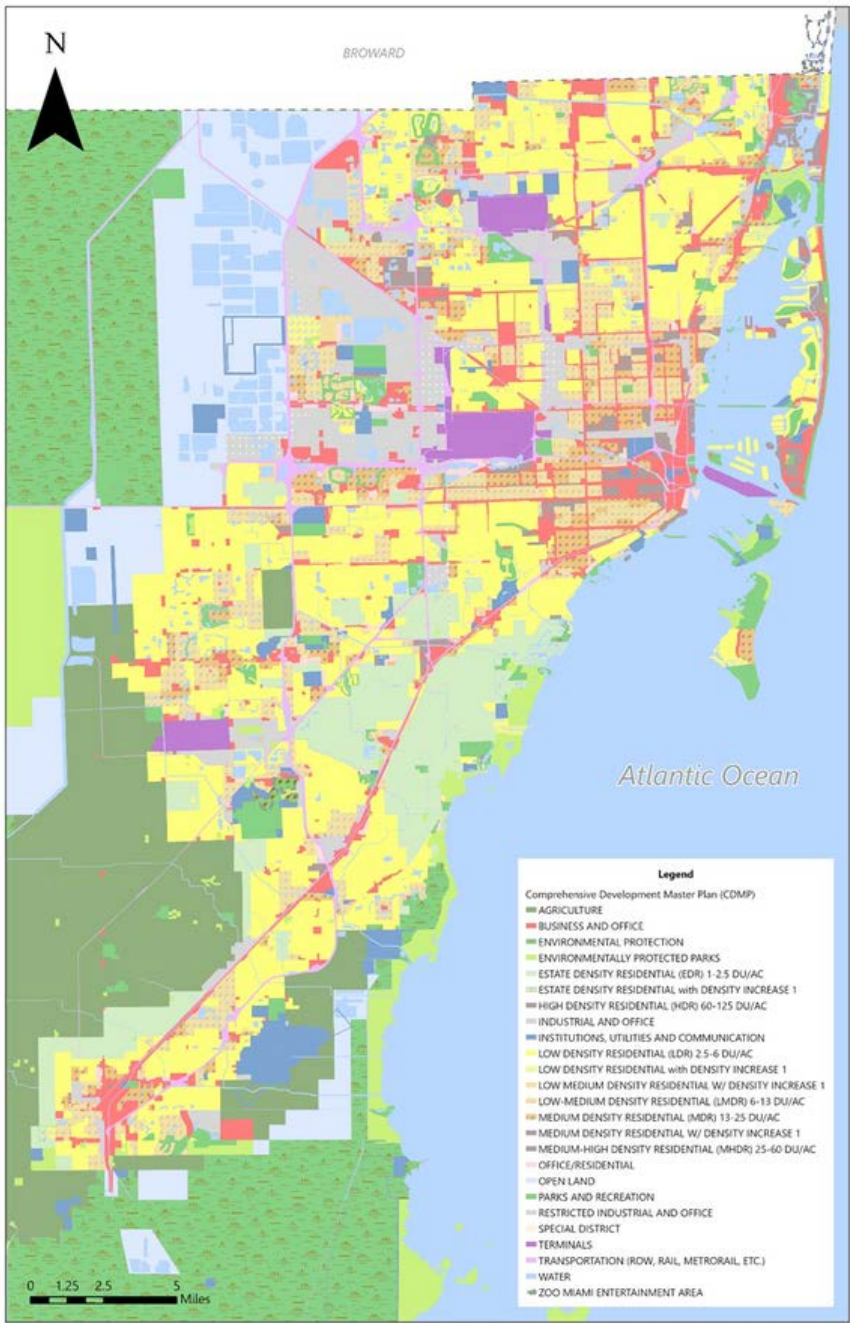
Prioritization Process for First- and Last- Mile



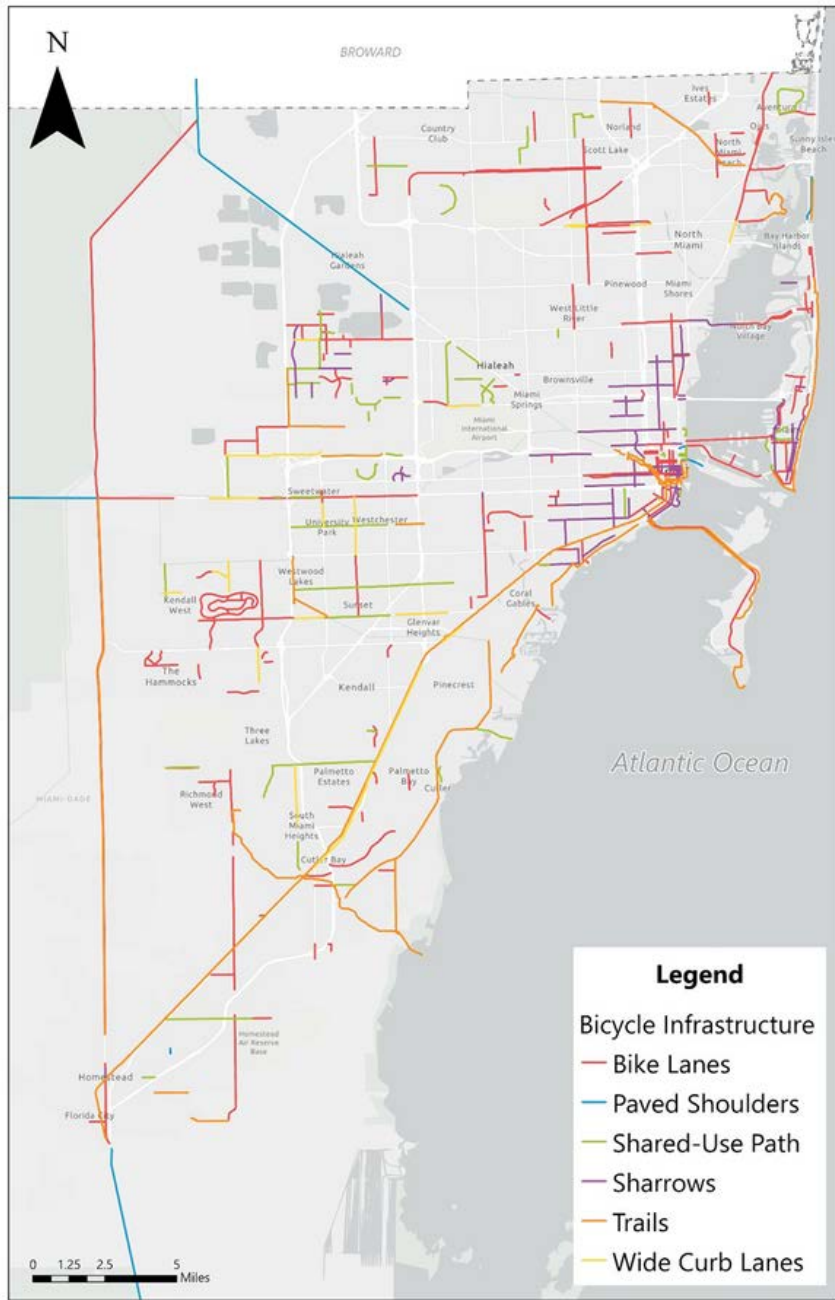
Employment



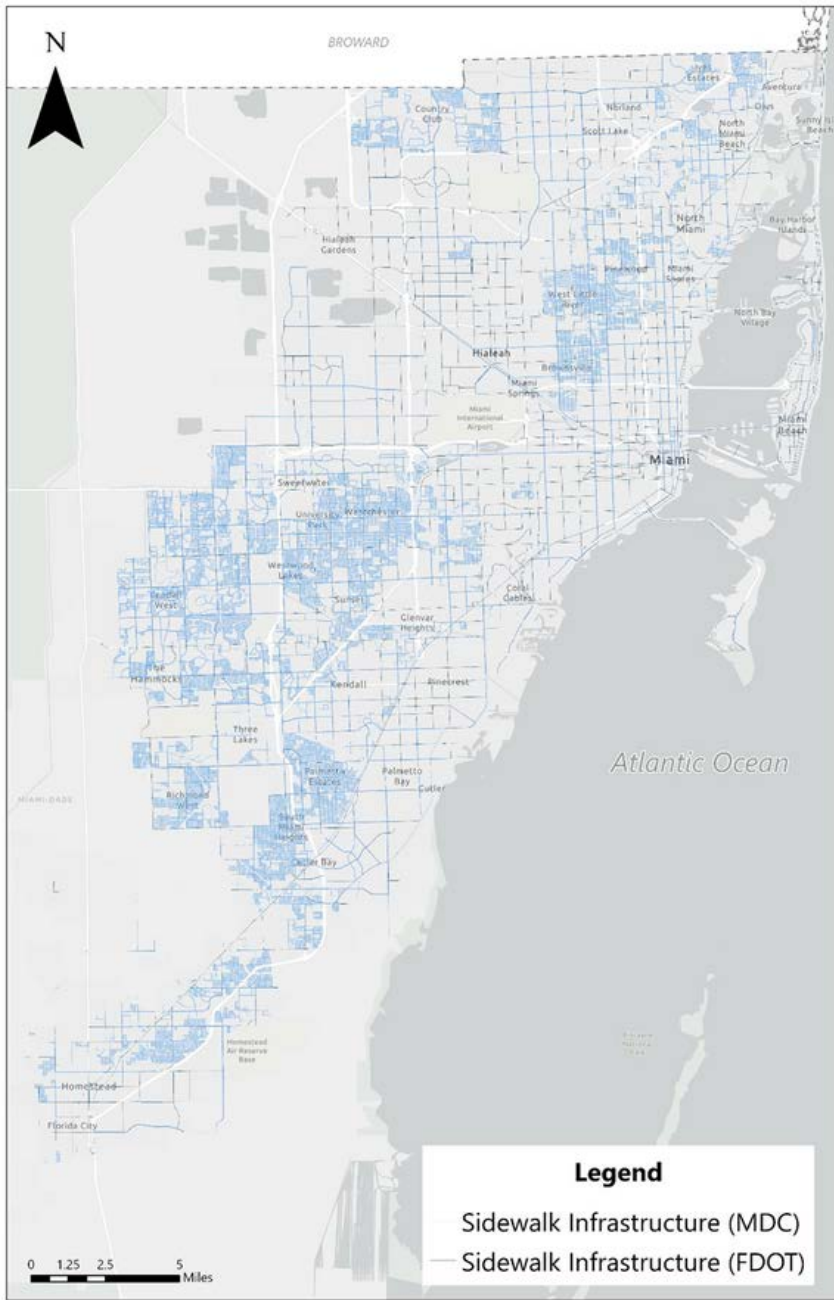
**Population
Density**



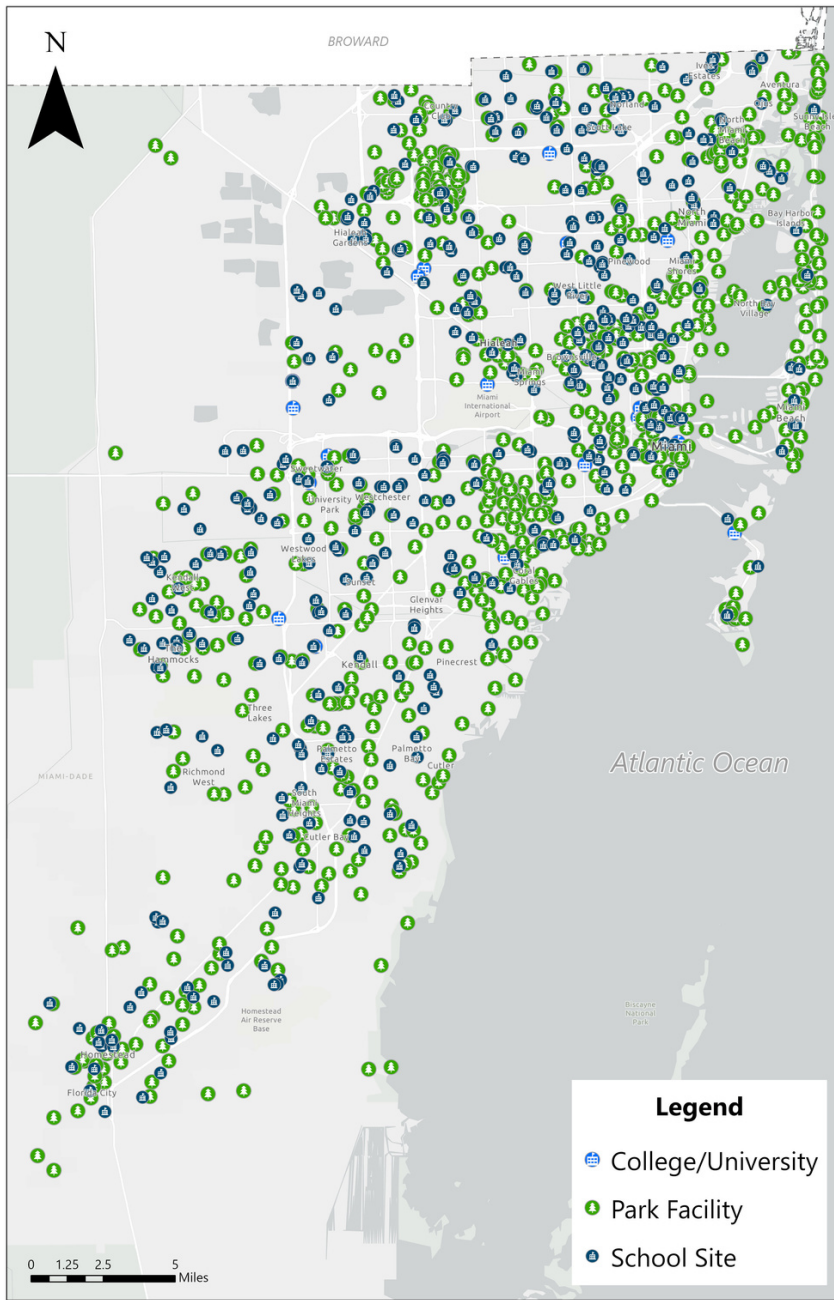
Land Use



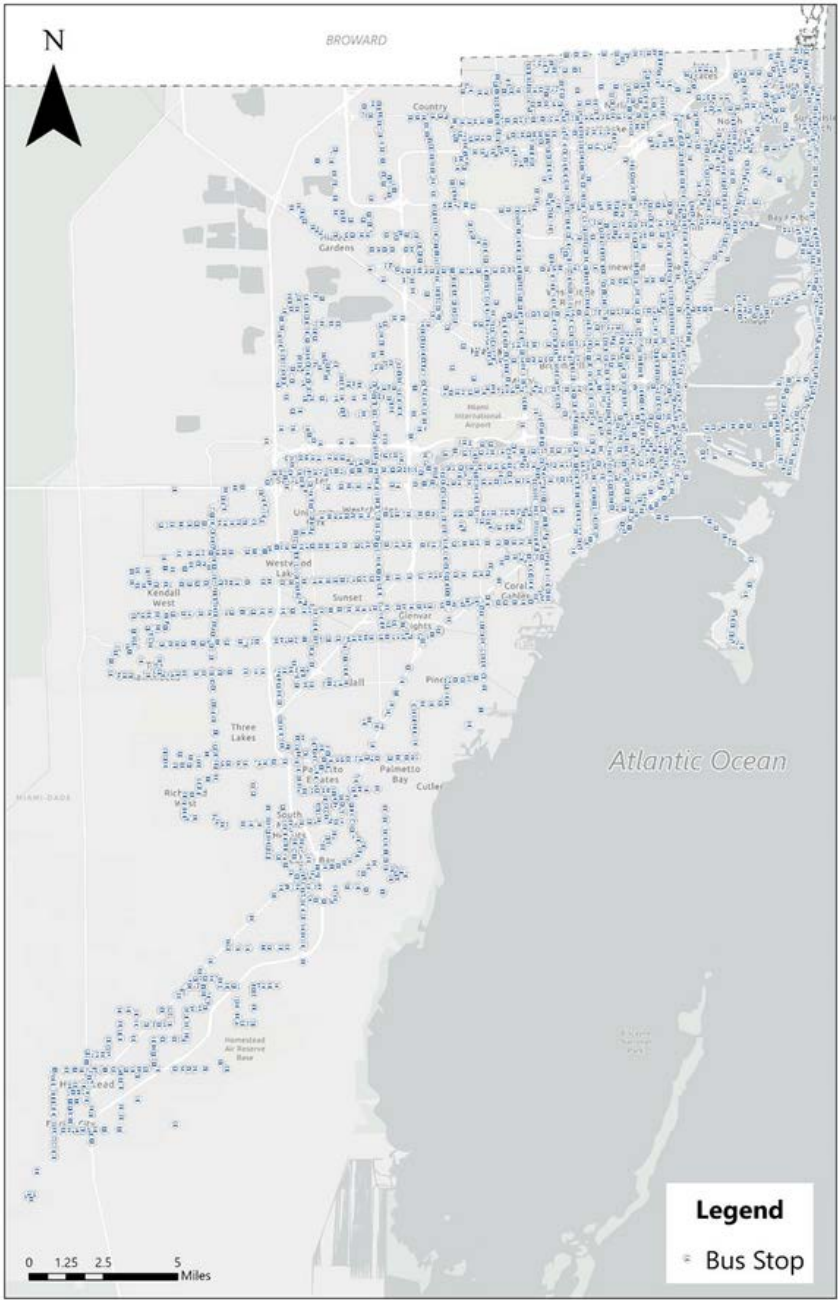
Cycling Infrastructure



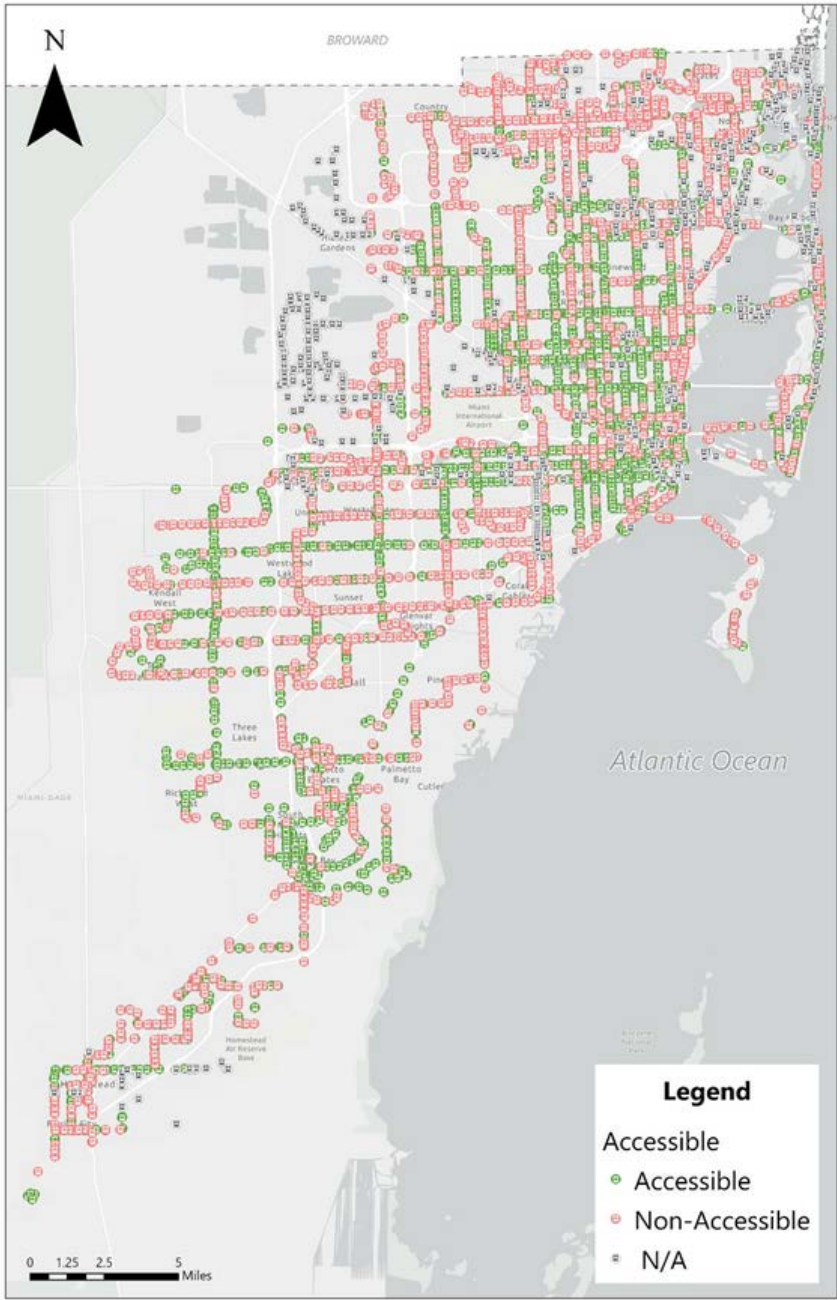
Pedestrian Infrastructure



Parks/Schools

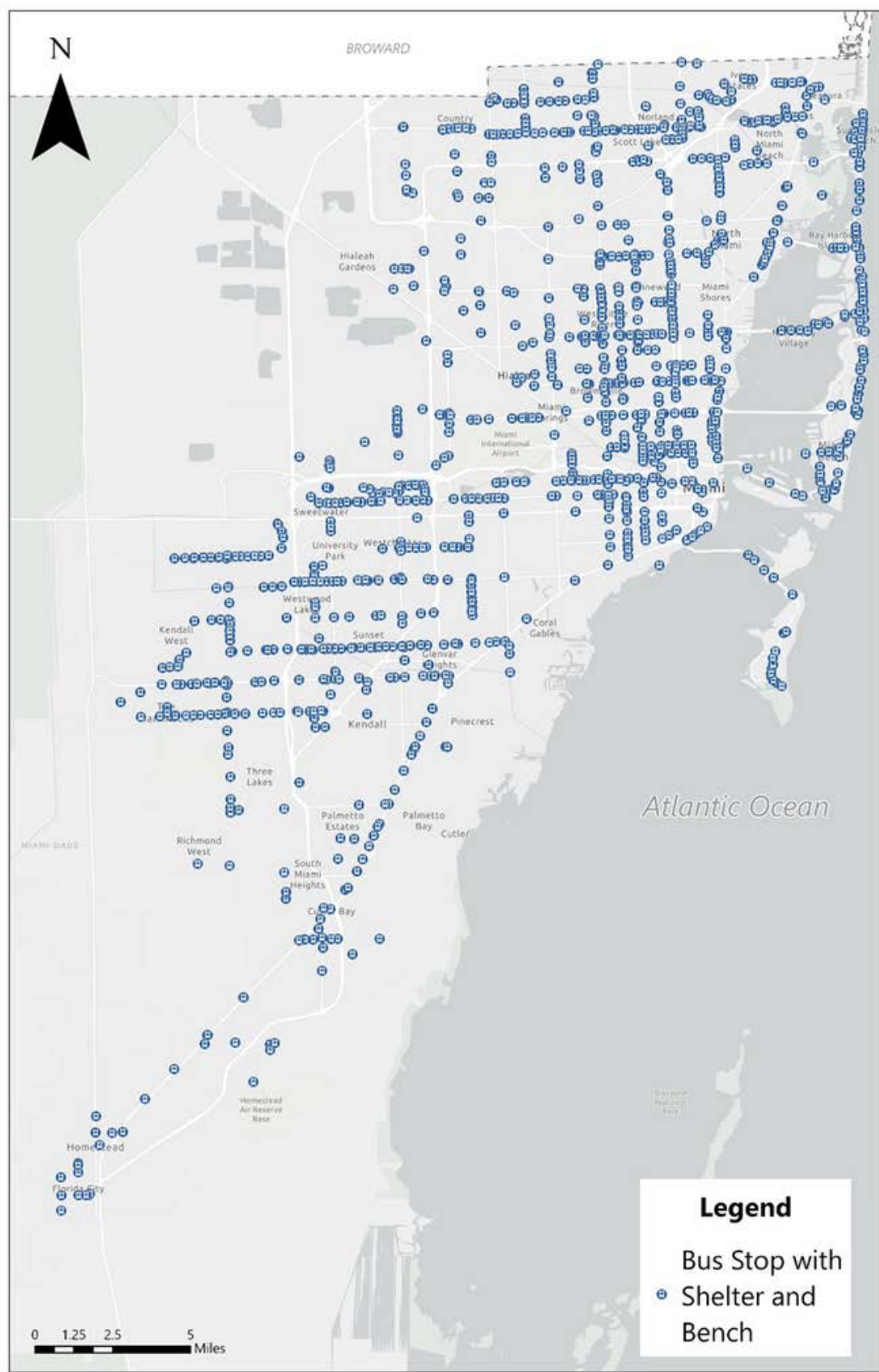


**Bus Stop
Locations**



**Accessibility of
Bus Stops**





Bus Stops Amenities



Cantilever Shelter



Slim Shelter



Shelter with an Advertisement Panel



Shelter without an Advertisement Panel



Bus Passenger Shelter Program



Preliminary Recommendations

- **Develop Municipal Transit Development Plans (TDPs) to evaluate the performance metrics of municipal services, ensuring on-time performance, enhanced service quality, and improved reliability.**
- **Assess the feasibility of expanding the bikesharing system at the municipal level, integrating it seamlessly into the broader transportation network, and aligning it with the fare systems of Metrorail, Metrobus, and Tri-Rail.**
- **Evaluate the enhancement of bicycle and pedestrian amenities at transit hubs and bus stops across the county to expand the catchment area for potential passengers and elevate the overall transit experience.**



- **Develop Municipal Implementation Plans to strategically program and prioritize first- and last-mile connection improvements to transit stops and hubs, employment centers, and high population density areas beyond the Municipal Five-Year Plans, aligning with local plans and establishing funding mechanisms to effectively support municipal mobility initiatives.**
- **Create Campus Mobility Plans to assess strategies for improving connectivity to countywide mass transit services, focusing on bridging first- and last-mile gaps within campus walksheds and bikesheds.**



Next Steps

- **Finalizing the development of a set of recommendations based on information and data gathered**
- **Coordinating with municipalities to update fact sheets and datasets featured in the First- and Last-Mile Assessment Dashboard as needed.**

Open Discussion



Thank you!

