



# TRANSIT DEVELOPMENT PLAN

## ANNUAL PROGRESS REPORT



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# INTRODUCTION AND PURPOSE

## CHAPTER 1



# 1. INTRODUCTION AND PURPOSE

The Miami-Dade County Department of Transportation and Public Works (DTPW) is pleased to submit this Transit Development Plan (TDP) Annual Progress Report (APR) to the Florida Department of Transportation (FDOT District VI). The timely submission of the TDP ensures that DTPW remains eligible for the State Transit Block Grant Program, which sustains operations funding for the year to come.

The State of Florida Public Transit Block Grant Program was enacted by the Florida Legislature to provide a stable source of state funding for public transportation. The Block Grant Program requires public transit service providers to develop and adopt a TDP. A TDP major update is required every five years and TDP annual progress reports are required in the interim years. TDP updates must be submitted to FDOT by September 1st of each year.

This TDP Annual Progress Report has been prepared in accordance with Florida Administrative Code (FAC) Rule 14-73.001. Transit Development Plans are required for grant program recipients pursuant to Section 341.052, F.S. A TDP shall be the provider's planning, development, and operational guidance document, based on a ten-year planning horizon and covering the year for which funding is sought, and the nine subsequent years.

This TDP, titled MDT10Ahead 2020 Annual Progress Report, presents both funded and unfunded transit needs to create a framework for transit improvements that can be implemented within a 10-year planning horizon. DTPW's last Major Update was prepared in 2019 and was adopted by the Board of County Commissioners and approved by the FDOT, pursuant to resolution R-1375-19.

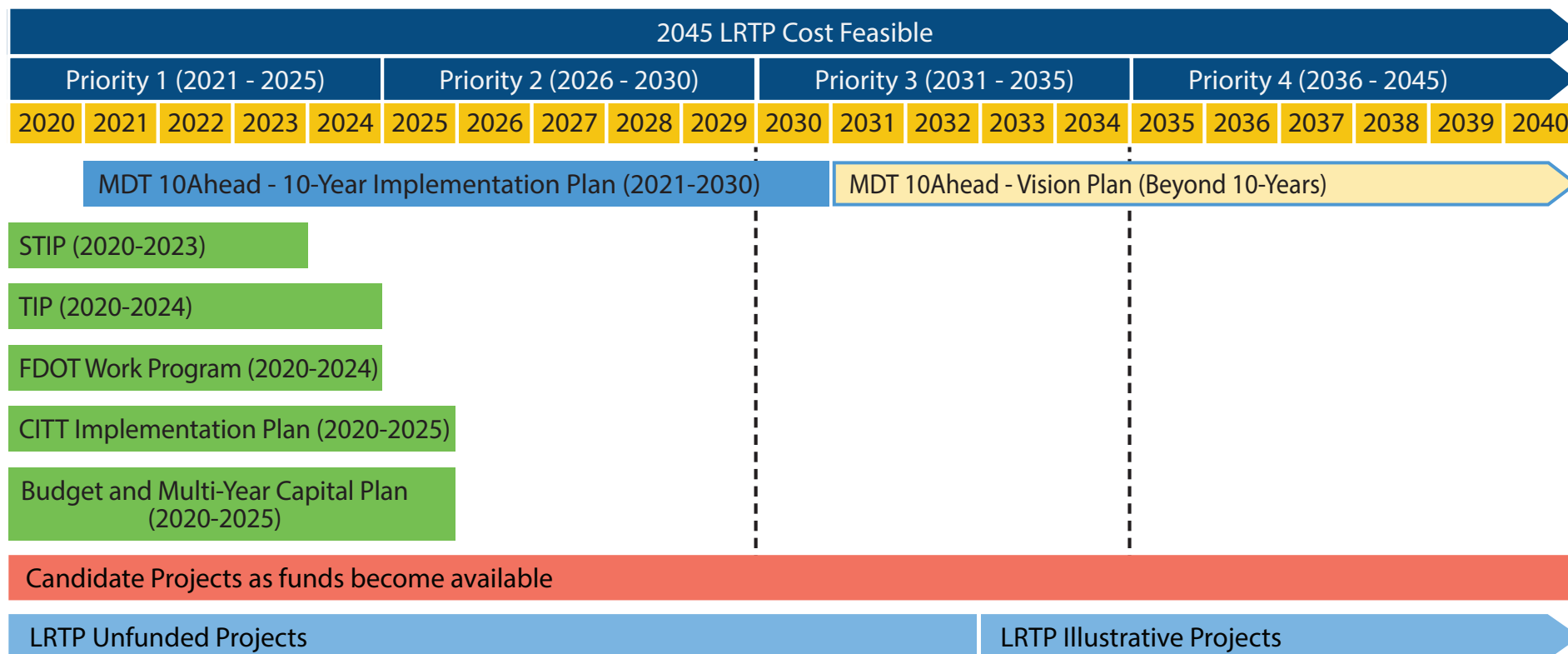




## 1.1. Related Plans

The TDP informs and is informed by other Land Use and Transportation Plans in Miami-Dade County. MDT10Ahead identifies the county's long-term transit infrastructure needs, which are used in the development of the Miami-Dade Transportation Planning Organization (TPO) Long Range Transportation Plan (LRTP). The TDP also identifies and presents short-term improvements for implementation through the TPO's Five-Year Transportation Improvement Program (TIP), FDOT's Work Program process, the Citizens' Independent Transportation Trust (CITT) Five-Year Implementation Plan, and Miami-Dade County's FY 2020 Adopted Budget and Multi-Year Capital Plan. These planning documents are listed in this section by planning horizon, longest to shortest.

**Figure 1-1: Interrelationship of Planning Documents in Miami-Dade County**







### 1.1.1. 2045 Long Range Transportation Plan

Regularly updating the Miami-Dade County Long Range Transportation Plan (LRTP) is a primary activity in Miami-Dade County's transportation planning process, with federal and state requirements for an update of the Transportation Plan every five years. Federal law requires that the LRTP address a minimum of a 20-year planning horizon from the date of the TPO adoption.

The 2045 LRTP was approved by the TPO Governing Board on September 26<sup>th</sup>, 2019, and includes four planning periods with their own implementation years. Projects identified as plan period I are scheduled for implementation between 2020 and 2025; plan period II between 2026 and 2030; plan period III between 2031 and 2035; and plan period IV between 2036 and 2045. The plan also lists partially funded and unfunded projects as well as projects funded by the private sector, developers and set aside funds.

### 1.1.2. Transit Development Plan - MDT10Ahead

MDT10Ahead presents both funded and unfunded transit needs in order to create a framework for transit improvements that can be implemented within a 10-year planning horizon. As previously mentioned, DTPW is a recipient of the State of Florida Public Transit Block Grant Program and is required to develop a TDP on an annual basis with major updates required every five years.

The 2019 Major Update, MDT10Ahead, was adopted by the Board of County Commissioners (BCC) on December 17<sup>th</sup>, 2019.

### 1.1.3. Florida Department of Transportation Five Year Work Program

The Work Program is the tentative list of projects that will be funded and carried out in District 6 (including Miami-Dade and Monroe counties) during the next five years. Developed annually, it is FDOT's budget for work in Miami-Dade and Monroe counties. Projects are identified and schedules are developed based on priorities and allocated funds.

In each cycle, a new fifth year is added, and the first year drops off as projects are completed. A new project only begins to move forward after it is funded and then placed in the Work Program's fifth year. Each phase of a project generally takes two years to complete. Therefore, some projects could take up to 10 years or more from initiation to completion and would cycle through the Work Program several times. The current Five Year Work Program covers state FY 2020 through FY 2024 (July 1<sup>st</sup>, 2019 through June 30<sup>th</sup>, 2024).





#### **1.1.4. State Transportation Improvement Program**

The State Transportation Improvement Program (STIP) is a federally mandated document which includes a list of projects planned with federal participation in the next four fiscal years. The report is based upon the same projects that are listed in the first four years of FDOT's Adopted Five Year Work Program. The STIP is approved annually by Federal Highway Administration (FHWA) at the beginning of each federal fiscal year.

Projects shown in both the Work Program and the STIP are all drawn from the same Work Program Administration (WPA) database. Work Program reports and STIP reports contain the same projects programmed in the WPA database, with different formatting. For a project to be listed in the approved STIP, it must first be included in the WPA database and programmed in the first four years of the Adopted Five Year Work Program. The project must either be included in the Tentative Work Program during the annual Tentative Work Program development cycle, or it must be amended into the Work Program and STIP after it has been adopted on July 1<sup>st</sup> of each state fiscal year. The current STIP covers state FY 2020-23 (July 1<sup>st</sup>, 2019 through June 30<sup>th</sup>, 2023).

#### **1.1.5. Transportation Improvement Program**

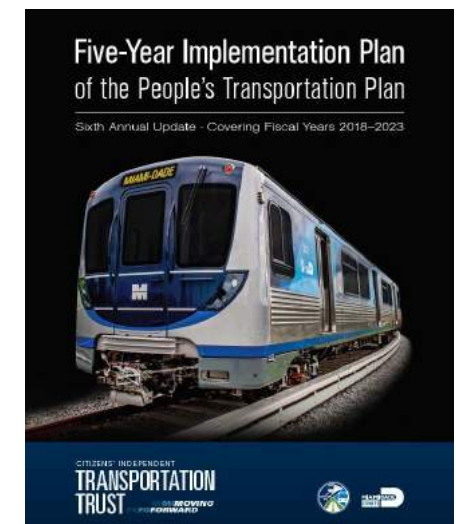
The TIP contains the transportation improvement projects planned for the next five years. All projects receiving federal funds must be included in this plan. Other major projects which are part of the area's program of improvements, but do not receive federal funds, are included in the TIP as part of the planning process.

The current 2020 TIP covers federal FY 2020 through FY 2024 (October 1<sup>st</sup>, 2019 - September 30<sup>th</sup>, 2024) and was approved by the TPO Governing Board on June 21<sup>st</sup> 2019. Categories of improvements include Highway, Transit, Aviation, Seaport, and Non-Motorized improvements. All projects and priorities listed in the adopted TIP are consistent with those in the adopted 2040 LRTP. The 2021 TIP will be consistent with the 2045 LRTP.



#### **1.1.6. Citizens' Independent Transportation Trust Five-Year Implementation Plan**

The Citizens' Independent Transportation Trust (CITT) 5-Year Implementation Plan documents the current implementation status of surtax-funded People's Transportation Plan (PTP) projects as well as their progress versus the baseline provided in the previous year's initial plan. This includes references to projects from the County's 2019-2020 Proposed Capital Budget. Annual updates to the CITT Implementation Plan document will continue to monitor and report on the implementation of the projects, their adherence to budget and schedule, and any changes to the Plan including project additions, deletions or deferrals. The current Five Year Implementation Plan covers federal FY 2020 through FY 2025 (October 1<sup>st</sup>, 2020 - September 30<sup>th</sup>, 2025).







### 1.1.7. Adopted Budget and Multi-Year Capital Plan

Miami-Dade County has a responsibility to appropriately plan for and strategically manage the funding of public services desired by the community. The annual budget and multi-year capital plan are essentially a plan of activities consistent with the County's Strategic Plan and the resources required to achieve those goals. The County's adopted budget is a powerful financial management tool that helps:

- Prioritize programs and service levels
- Prepare for operational challenges in advance
- Provide appropriate funding to each department
- Create accountability and ensure transparency of the planned use of public funds
- Establish a sound fiscal framework for proper day to day monitoring

Each department's operating and capital budgets are evaluated on an annual basis as one cohesive plan. The County's budget and multi-year capital plan spans six fiscal years and is adopted on an annual basis by the Board of County Commissioners, and conveys the services to be delivered to the community as well as the resources required to provide those services.

The current Adopted Budget and Multi-Year Capital Plan covers FY 2020 (October 1<sup>st</sup>, 2019 through September 30<sup>th</sup>, 2020).



Figure 1-2: Metrobus and Metrorail cross paths at MiamiCentral







## 2. OVERVIEW OF EXISTING DTPW SERVICES

DTPW operates the 18<sup>th</sup> largest transit system in the United States<sup>1</sup>. With a total service area of approximately 306 square miles that encompasses 34 municipalities and includes service into adjacent Broward and Monroe Counties, DTPW provides an assortment of transit services to meet the mobility needs of its 2.7 million residents and 24.2 million annual visitors<sup>2</sup>.

DTPW operates an integrated multi-modal transit system comprised of four modes: motor bus (Metrobus), heavy rail (Metrorail), automated people mover (APM - Metromover), and demand-response service (Special Transportation Services or STS). Overall, DTPW vehicles traveled over 62 million miles providing more than 82 million unlinked passenger trips in 2019; 61.4% of those trips were made on Metrobus, 23.2% on Metrorail, 10% on Metromover, and the remainder on STS, Express Buses, and Vanpools.

The department is led by Department Director Alice Bravo. Table 2-1 lists the operating characteristics of DTPW transit services. The DTPW Departmental Table of Organization is available in Appendix 1.

DTPW is one of the largest departments in Miami-Dade County government and is responsible for planning and providing public transit services to the entire county. The department consists of over 3,500 employees working in all aspects of transit operations and administration.

### **Department of Transportation and Public Works - Transit Mission Statement:**

***Plan for, operate, and maintain a clean, safe, reliable, and convenient transportation system that effectively enhances mobility in Miami-Dade County.***

<sup>1</sup> American Public Transportation Association 2019 Public Transportation Fact Book, based on unlinked passenger trips and passenger miles traveled

<sup>2</sup> Greater Miami and the Beaches 2019 Visitor Industry Overview





Table 2-1: Existing Service Characteristics

System Characteristics	Metrobus			Metrorail	Metromover	STS
	DTPW Operated Routes	Contracted Express Routes (301 & 302)	Other Contracted Routes			
Operating Hours	24 hours seven, days a week <sup>2</sup>	5:10 A.M. -12:40 A.M. Monday-Friday 6:20 – 12:40 A.M. Saturday & Sunday	24 hours, seven days a week	5:00AM - 12:00AM, seven days a week	5:00AM - 12:00 AM, seven days a week	24 hours, seven days a week
Number of Routes	73	2	23	2	3	N/A
No. of Stations/Stops	8,323	32 <sup>4</sup>	893	23 <sup>1</sup>	21 <sup>1</sup>	N/A
Peak Headways	Variable	Variable	Variable	5 - 10 minutes <sup>5</sup>	1½ - 3 minutes	(Pick up +/-30 minutes of scheduled time)
Midday Headways				7 - 15 minutes	1½ - 5 minutes	
Weekend Headways				15 - 30 minutes <sup>5</sup>	3 - 6 minutes	
Routes Miles	1,704.2	127.3	344.3	25.1	5.2	N/A
Peak Vehicle Requirements <sup>1</sup>	646	9	45	76	26	375
Total Fleet Size <sup>1</sup>	761	11	53	130	29	389
Annual Revenue Miles <sup>1</sup>	25,326,531	1,037,780	848,633	7,957,230 <sup>2</sup>	1,155,831 <sup>2</sup>	13,549,257 <sup>2</sup>
Annual Boardings <sup>1</sup>	50,638,153	290,160	831,603	18,494,501 <sup>2</sup>	8,863,809 <sup>2</sup>	1,777,925 <sup>2</sup>
Annual Operating Expense <sup>1</sup>	\$357,853,000	\$7,292,542	\$3,617,574	\$94,181,839 <sup>2</sup>	\$26,951,600 <sup>2</sup>	\$59,100,022 <sup>2</sup>
Annual Operating Revenue <sup>1</sup>	\$61,526,944	\$216,851	\$1,064,420	\$15,739,393 <sup>2</sup>	\$0 <sup>2</sup>	\$6,169,450 <sup>2</sup>
Annual Revenues (Other) <sup>1</sup>	\$20,427,845 <sup>6</sup>	\$0	\$0	\$0	\$0	N/A
Base Fare	\$2.25 <sup>7</sup>	\$2.65 <sup>7</sup>	\$2.25	\$2.25	Free	\$3.50
Pedestrian Overpasses	1	0	0	4	0	N/A
Maintenance/Storage Facilities	3	1	1	1	1	N/A



1 - Source: National Transit Database, Annual Database 2018

2 - Source: National Transit Database, Department of Transportation and Public Works, 3<sup>rd</sup> submission, March 2020 - 6 Metrobus routes (L, S, 3, 11, 27) operate 24 hours per day. One route, 38/Busway MAX, operates 24 hours per day on weekdays only. Two other routes, 246/Night Owl and 500/Midnight Owl, provide hourly bus service approximately between 12:00 am - 5:06 AM.

4 - In addition to the 32 designated bus stops for the two routes, buses pick up passengers anywhere along the routes when hailed.

5 - Five-minute combined headway (Orange Line and Green Line) during the peak AM and PM travel times from Dadeland South Station to the Earlington Heights Station. The Green Line Metrorail Service operates at 10-minute headways during the peak AM and PM travel times between the Palmetto Station and the Dadeland South Station. Orange line operates at 10-minute peak headways between the Miami International Airport and Dadeland South stations. During weekends and off-peak periods, combined headway is 15 minutes. Single line segments operate with 30-minute headways.

6 - Includes all modes. Park and Ride Revenue: \$2,114,128; Auxiliary Revenue: \$5,347,627; Other Agency Revenue: \$12,966,090.

7 - Express Bus fare for routes operating within the County is \$2.25; Routes that travel to other counties (301 Dade-Monroe Express, 302 Card Sound Express, and four 95 Dade-Broward Express routes) remain at the express trip fare of \$2.65. Circulator/Shuttle bus fare is \$0.25.





## 2.1. Metrobus

Metrobus is DTPW's fixed-route bus service. Metrobus operates seven days a week, 24 hours per day. A total of 73 routes comprise DTPW's regular bus service structure as served by a total fleet of 761 buses, supplemented by 25 contracted routes operating with 64 buses. DTPW's family of Metrobus services include local, circulator, limited-stop and express routes. Figure 2-1 presents the Metrobus system route map, while Figure 2-2 illustrates the DTPW Metrobus service area coverage. A detailed service schedule for current DTPW operated Metrobus routes is presented in Appendix A.2.

**Table 2-2: Metrobus Service Characteristics**

Service Type	Routes	Route Miles
Circulator	11	101
Local	66	1,648
Limited Stop	7	186
Express	14	682
<b>Total</b>	<b>98</b>	<b>2,617</b>

*Source: Miami-Dade County GIS and Dec. 2019 Ridership Technical Report*

### 2.1.1. Local Service

Local bus service collects and distributes high-turnover ridership along arterials radiating to and from dense activity centers. This service type is characterized by frequent stops, short and moderate passenger trips, and comparatively low average bus speeds over the course of a route.

### 2.1.2. Circulator Service

Circulator or shuttle bus service operates short route connections between activity centers, or as a feeder to provide a connection with another transit service. For DTPW, these local community routes include a shuttle connecting to the Hialeah Market Tri-Rail station in Miami-Dade County.

### 2.1.3. Limited-Stop Service

Limited-stop service skips some stops and only serves designated high ridership bus stops along a route. With fewer stops, limited-stop routes have significantly increased operating speeds when compared to local service. MAX routes serve stops at major transfer points or approximately every one-half mile (in the Miami Central Business District (CBD)) to one mile (in suburban areas) along a route. Route 277, the NW 7<sup>th</sup> Avenue MAX, is an example of a limited-stop bus service, which operates during the morning and evening rush hours.

### 2.1.4. Express Bus Service

Express Bus service is similar to limited-stop service which has fewer stops and operates at a higher speed than local bus service. Express routes connect outlying areas, with direct service to designated activity centers such as the Miami CBD. These routes usually operate along a freeway or major arterial road to increase the operating speed. The 95 Dade-Broward Express Route that operates within the I-95 express lanes is an existing express service operated by DTPW. Metrobus Route 175 is an express bus route which began service in 2019. It provides service from the new Park & Ride Lot at I-75 and Miami Gardens Drive (near Florida's Turnpike) to Palmetto Metrorail Station via I-75 and SR-826.

### 2.1.5. South Dade Transitway

A resolution was passed in June of 2016 re-branding what was formerly known as the "South Miami-Dade Busway" to the "South Dade Transitway." The Transitway is a 19.8-mile two-lane, at-grade corridor exclusively for DTPW bus service which runs parallel to U.S. 1 from SW 344<sup>th</sup> Street in South Miami-Dade to the Dadeland South Metrorail Station. Full size (40-foot) and articulated (60-foot) buses serve 30 stations (including Dadeland North) and six park-and-ride lots along the Transitway. Buses also operate within adjacent neighborhoods and enter the exclusive lanes at major intersections.

The transitway has many travel-time saving features such as exclusive travel lanes, fewer stops, and preferential signal phasing at intersections. To maximize the efficacy of these feature, most of the routes operating on the Transitway provide limited-stop service, express service, or have sections that offer limited stop or express service, including routes 31, 34, 38, 52, 252, and 287.



Figure 2-1: DTPW Transit System Map

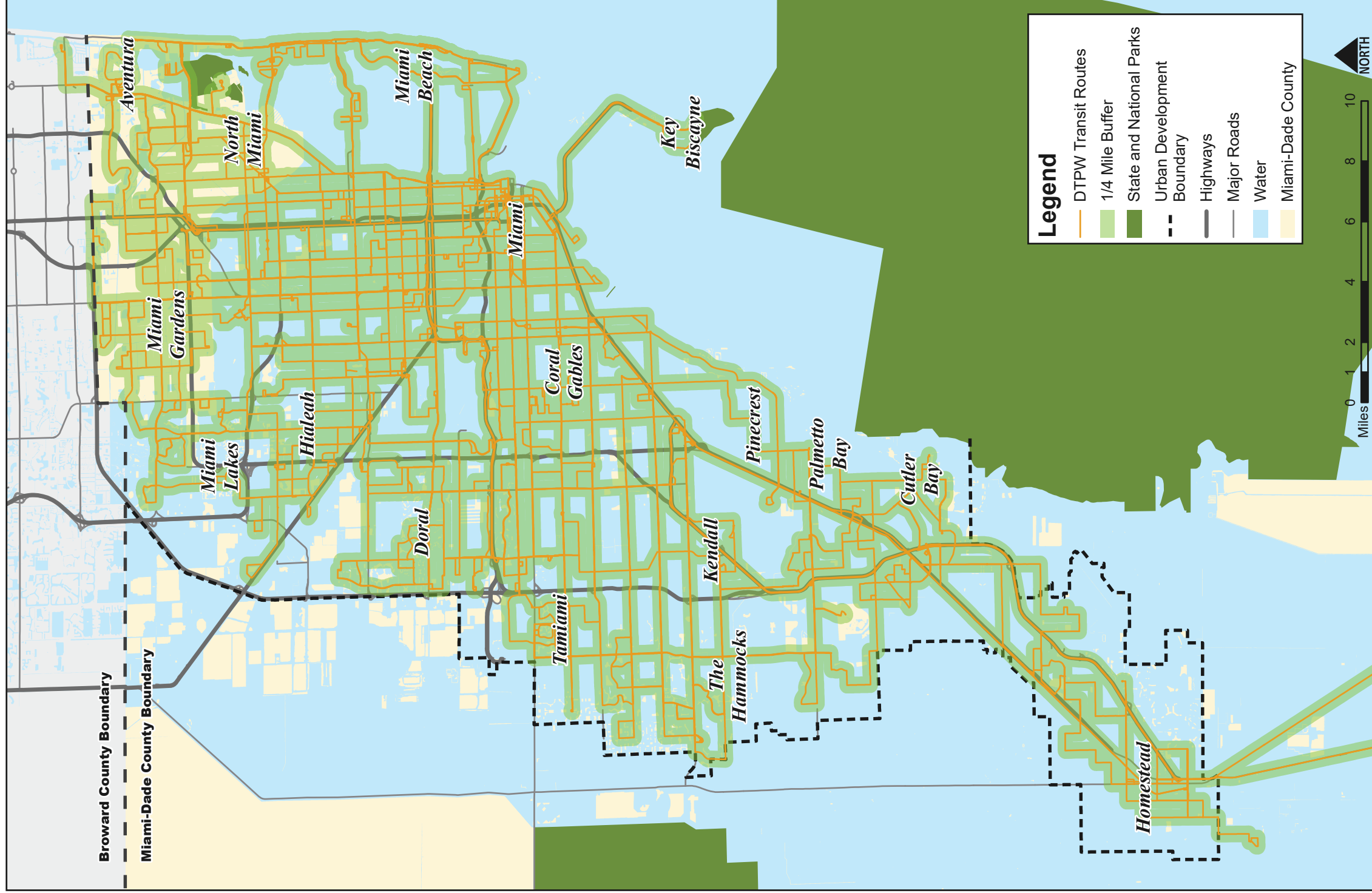
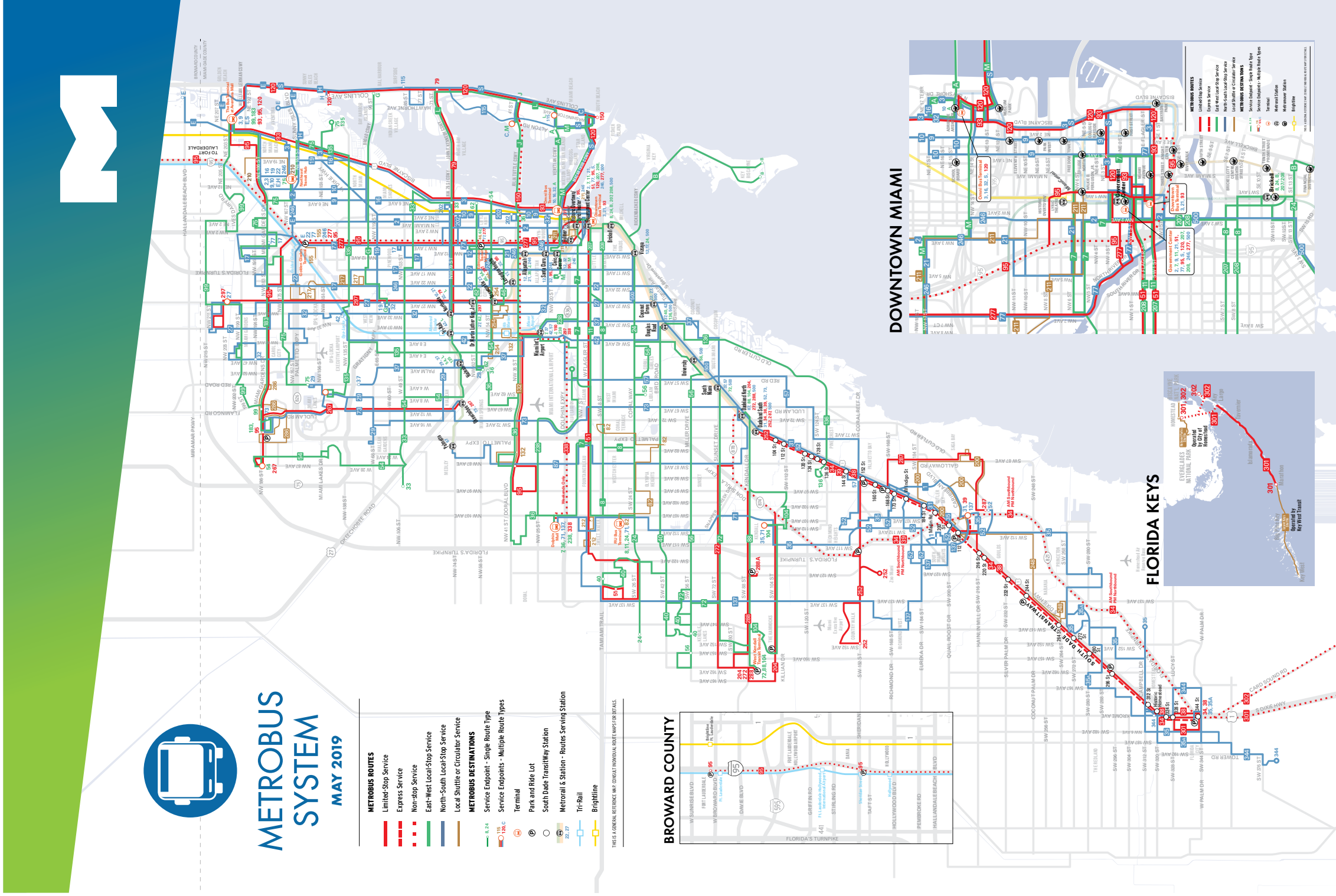


Figure 2-2: Metrobus System Map



<div>1</div>	Perrine ↔ Opa Rood Dr/SW 117 Ave	<div>99</div>	Miami Gardens Dr & NW 73 Ave Park & Ride ↔ Aventura Mall
<div>2</div>	63 St Mall, 84 St ↔ Downtown Miami	<div>A</div>	ROUTE 101: Omni ↔ 20th Street & West Avenue / Miami Beach
<div>3</div>	Aventura Mall ↔ Downtown Miami	<div>B</div>	ROUTE 102: Brickell Metrorail ↔ Key Biscayne
<div>7</div>	Dolphin Mall, Miami Intl Airport ↔ Downtown Miami	<div>C</div>	ROUTE 103: South Beach ↔ Mt. Sinai Medical Center
<div>8</div>	FIU Medical Campus ↔ Brickell Metrorail	<div>104</div>	West Kendall Terminal ↔ Dadeland North Metrorail
<div>9</div>	Aventura, 163 St Mall ↔ Downtown Miami	<div>P</div>	ROUTE 105: Golden Glades ↔ Hallandale Beach
<div>10</div>	Skyline Mall ↔ Omni Metrorbus Terminal	<div>G</div>	ROUTE 107: 94 St / Miami Beach ↔ MDC North Campus
<div>11</div>	FIU Medical Campus, Mall of the Americas ↔ Downtown Miami	<div>H</div>	ROUTE 108: 163 Street Mall ↔ Haulover Park
<div>12</div>	Northside Metrorail ↔ Mercy Hospital	<div>J</div>	ROUTE 110: Miami Intl Airport ↔ 41 St / Miami Beach
<div>16</div>	63 St Mall ↔ Omni Metrorbus Terminal	<div>L</div>	ROUTE 112: Lincoln Rd ↔ Hialeah Metrorail
<div>17</div>	Normwood ↔ Vizcaya Metrorail	<div>M</div>	ROUTE 113: Civic Center ↔ Mt. Sinai Hospital
<div>19</div>	(WEEKDAYS ONLY) MDC North Campus ↔ 163 St Mall	<div>115</div>	MD-NORTH BEACH CONNECTION - Collins Ave / 88 St ↔ Lincoln Rd
<div>21</div>	Northside Metrorail ↔ Downtown Miami	<div>S</div>	ROUTE 119: Downtown Miami ↔ Aventura Mall
<div>22</div>	163 St Mall ↔ Coconut Grove Metrorail	<div>120</div>	BEACH MAX: Downtown Miami ↔ Haulover Park, Aventura Mall
<div>24</div>	CORAL WAY LIMITED - West Dade ↔ Brickell Metrorail	<div>132</div>	TRI-RAIL DORAL SHUTTLE (WEEKDAY RUSH-HOUR ONLY): Doral ↔ Hialeah Market Tri-Rail
<div>27</div>	Miami Gardens ↔ Coconut Grove Metrorail	<div>135</div>	Hialeah Metrorail, Miami Lakes ↔ FIU Biscayne Bay Campus
<div>29</div>	(WEEKDAYS ONLY) Miami Lakes Education Center ↔ Hialeah	<div>136</div>	(WEEKDAY RUSH-HOUR ONLY) SW 136 St / US1 ↔ Douglas Road Metrorail
<div>31</div>	BUSWAY LOCAL - South Dade Government Center ↔ Dadeland South Metrorail	<div>137</div>	WEST DADE CONNECTION Dolphin Mall ↔ South Dade Gov. Center
<div>32</div>	Canal City ↔ Omni Metrorbus Terminal	<div>P</div>	MIAMI BEACH AIRPORT EXPRESS: Miami Intl Airport ↔ South Beach
<div>33</div>	Hialeah ↔ NE 79 St/Biscayne Blvd	<div>P</div>	155 BISCAYNE GARDENS CIRCULATOR (WEEKDAYS ONLY)
<div>34</div>	34 EXPRESS (WEEKDAY RUSH-HOUR ONLY) Florida City ↔ Dadeland South Metrorail	<div>P</div>	163 Miami Gardens Dr & NW 73 Ave Park & Ride ↔ Aventura Mall
<div>35</div>	MDC Kendall Campus ↔ Florida City	<div>200</div>	CUTLER BAY LOCAL
<div>36</div>	Dolphin Mall, Doral, Miami Springs ↔ Midtown Miami	<div>202</div>	LITTLE HUNT CONNECTION Biscayne Shopping Plaza, NW 5 Ave / 83 St ↔ Miami Design District
<div>37</div>	Hialeah ↔ South Miami Metrorail	<div>P</div>	204 KILLIAN KAT (WEEKDAY RUSH-HOUR ONLY) West Kendall Terminal ↔ Dadeland North Metrorail
<div>38</div>	BUSWAY MAX: Dadeland South Metrorail ↔ Florida City	<div>P</div>	207 LITTLE HAWANA CONNECTION (CLOCKWISE) Downtown Miami, Brickell ↔ SW 25 Ave via SW 1 St & SW 7 St
<div>39</div>	39 EXPRESS (WEEKDAY RUSH-HOUR ONLY) S Dade Govt Ctr ↔ Dadeland South Metrorail	<div>P</div>	208 LITTLE HAWANA CONNECTION (COUNTERCLOCKWISE) Downtown Miami, Brickell ↔ SW 27 Ave via W Flagler St & S
<div>40</div>	Lakes of the Meadow, Tamiami Trail/SW 132 Ave ↔ Douglas Road Metrorail	<div>210</div>	SKYLAKE CIRCULATOR Skyline Mall ↔ 163 Street Mall
<div>42</div>	Opa-Rood Tri-Rail ↔ Douglas Road Metrorail	<div>P</div>	211 OVERTOWN CIRCULATOR (WEEKDAYS ONLY)
<div>46</div>	LIBERTY CITY CONNECTION (WEEKDAY RUSH-HOUR ONLY) Brownsville Metrorail ↔ Seventh Avenue Transit Village	<div>212</div>	SWEETWATER CIRCULATOR (WEEKDAYS ONLY)
<div>51</div>	FLAGLER MAX (WEEKDAYS ONLY) West Dade ↔ Downtown Miami	<div>217</div>	BUNCHIE PARK CIRCULATOR (WEEKDAYS ONLY) NW 127 St / 22 Ave ↔ N Dade Health Center
<div>52</div>	Dadeland South Metrorail ↔ South Dade Health Center	<div>P</div>	238 EAST-WEST CONNECTION (WEEKDAYS ONLY) Dolphin Mall ↔ Miami Intl. Airport
<div>54</div>	Miami Gardens Dr/NW 87 Ave, Hialeah Gardens ↔ Biscayne Blvd/NE 54 St	<div>P</div>	246 NIGHT OWL: Downtown Miami ↔ 63 St Mall
<div>56</div>	(WEEKDAYS ONLY) West Dade ↔ Miami Children's Hospital	<div>248</div>	PRINCECTON CIRCULATOR Southland Mall ↔ SW 264 St, Naranja (Weekdays Only)
<div>57</div>	(WEEKDAYS ONLY) Miami Intl Airport ↔ Jackson South Hospital	<div>P</div>	252 CORAL REEF MAX: Country Walk ↔ Dadeland South Metrorail; Zoo Miami (Weekends Only)
<div>62</div>	Hialeah ↔ Biscayne Blvd / 62 St	<div>P</div>	254 BROWNVILLE CIRCULATOR (WEEKDAYS ONLY) Cable Center ↔ Jefferson Reeves Park, Hialeah (Thursday only)
<div>71</div>	Dolphin Mall ↔ MDC Kendall Campus	<div>P</div>	267 LUDLAM LIMITED (WEEKDAY RUSH-HOUR ONLY) NW 186 St/87 Ave ↔ Oneetobee Metrorail
<div>72</div>	West Kendall Terminal, Miller Square ↔ South Miami Metrorail	<div>P</div>	272 SUNSET KAT (WEEKDAY RUSH-HOUR ONLY) West Kendall Terminal ↔ Dadeland North Metrorail
<div>73</div>	Miami Gardens Dr & NW 73 Ave Park & Ride ↔ Dadeland South Metrorail	<div>P</div>	277 NW 7 AVENUE MAX (WEEKDAY RUSH-HOUR ONLY) Downtown Miami ↔ Golden Glades Park & Ride
<div>75</div>	Miami Lakes Educational Center ↔ FIU Biscayne Bay Campus	<div>P</div>	286 NORTH POINTE CIRCULATOR (NO SUNDAYS) Miami Gardens Dr & NW 73 Ave Park & Ride ↔ NW 57 Ave/NW 76 St
<div>77</div>	Normwood ↔ Downtown Miami	<div>P</div>	287 SAGA BAY MAX (WEEKDAY RUSH-HOUR ONLY) S Dade Health Center ↔ Dadeland North Metrorail
<div>79</div>	79 STREET MAX (WEEKDAY RUSH-HOUR ONLY) Northside Metrorail ↔ 72 St / Miami Beach	<div>P</div>	288 KENDALL CRUISER (WEEKDAY RUSH-HOUR ONLY)
<div>82</div>	WESTCHESTER CIRCULATOR (NO SUNDAYS) FIU Medical Campus ↔ Flagami	<div>P</div>	West Kendall Terminal, SW 82 Ave Park & Ride ↔ Dadeland North Metrorail
<div>87</div>	Palmetto Metrorail, Doral ↔ Dadeland North Metrorail	<div>P</div>	297 27th Ave ORANGE MAX (WEEKDAYS ONLY) Miami Intl Airport ↔ Miami Gardens
<div>88</div>	Dadeland North Metrorail ↔ West Kendall Terminal	<div>P</div>	301 DADE-HOHOE EXPRESS: Florida City ↔ Marathon Key
<div>93</div>	BISCAYNE MAX (WEEKDAYS ONLY) Downtown Miami ↔ Aventura Mall	<div>P</div>	302 CARD SOUND EXPRESS: Florida City ↔ Ocean Reef Club
<div>95</div>	95 EXPRESS GOLDEN GLADES (WEEKDAY RUSH-HOUR ONLY) Canal City, Aventura Mall, Golden Glades ↔ Downtown Miami, Civic Center	<div>P</div>	338 WEEKEND EXPRESS (WEEKENDS ONLY) Miami Intl Airport ↔ Dolphin Mall
	ROUTE 195: Broward Blvd ↔ Downtown Miami	<div>P</div>	344 (WEEKDAYS ONLY) Florida City ↔ MDC Homestead Campus
	ROUTE 205: Broward Blvd ↔ Civic Center	<div>P</div>	500 MIDNIGHT OWL: Dadeland South Metrorail ↔ Downtown Miami
	ROUTE 296: Sheridan St ↔ Civic Center		

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Figure 2-2 (continued): Metrobus System Legend



## 2.2. Metrorail

Metrorail provides passenger service to 23 stations on a 25.1-mile heavy rail electrified line. The system operates on an elevated guideway with transfer points to Tri-Rail commuter rail service, the DTPW Metromover system, and the South Miami-Dade Transitway. DTPW maintains a total fleet of 172 Metrorail vehicles. Daily passenger service starts at approximately 5:00 A.M. from the terminal stations.

The last southbound trains depart the Palmetto and Airport Stations at:

- Palmetto Station, Green Line departs at 11:54 P.M. and arrives at Dadeland South at 12:41 A.M.
- Airport Station, Orange Line departs at 12:23 A.M. and arrives at Dadeland South at 12:56 A.M.

The last northbound trains depart Dadeland South Station at:

- Dadeland South, Orange Line departs at 11:45 P.M. and arrives at the Airport Station at 12:18 A.M.
- Dadeland South, Green Line departs at 12:00 A.M. and arrives at the Palmetto Station 12:48 A.M.

Station to Dadeland South Station and the Orange Line from the Miami Intermodal Center (MIC) at Miami International Airport (MIA) to Dadeland South Station.

The Orange Line provides direct service between the MIC and Dadeland South Station every 15 minutes during peak hours. The Green Line operates at 15-minute headways during the morning and afternoon peak travel times between the Palmetto Station and Dadeland South Station.

Both lines provide premium transit service with a combined headway of 7.5 to 8 minutes during the peak morning and afternoon travel times from Dadeland South Station to the Earlington Heights Station. Weekend and holiday Green Line and Orange Line service operates with headways of 30 minutes and combine to provide a 15 minute headway from Earlington Heights to Dadeland South Station. DTPW provides a Metrorail Downtown Express Service from Dadeland North to Brickell Station in the morning peak periods and from Brickell to Dadeland North in the afternoon peak periods.

Figure 2-3 illustrates the DTPW Metromover system map as of December 2019.

Figure 2-3: Metrorail System Map



### 2.3. Metromover

The Metromover is an elevated system that serves 21 stations and is comprised of three loops:

- Downtown Miami Central Business District (Inner/Downtown Loop);
- Adrienne Arsht Center and Perez Arts Museum to the north (Outer/Omni Loop) and,
- Brickell area to the south (Outer/Brickell Loop).

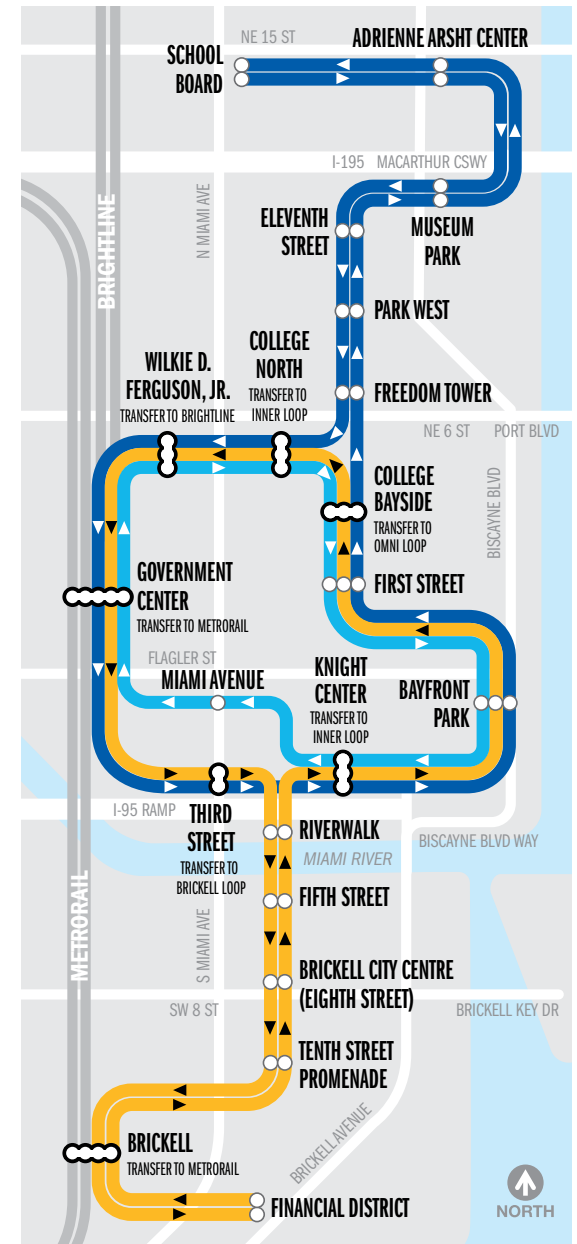
DTPW maintains a fleet of 29 Metromover vehicles and operates with a maximum of two cars per train. Metromover operates free of charge and stops at 21 wheelchair-accessible stations from the School Board area to Brickell, serving major destinations throughout Downtown Miami.

Metromover's Inner/Downtown, Outer/Omni and Brickell loops operate seven days a week and runs from 5:00 A.M. to 12:00 A.M. During the morning and afternoon peak periods, service frequency is every 90 seconds in the central business district and every three minutes during weekends and holidays.

On the Omni and Brickell Loops, service frequency is five minutes during peak periods and six minutes during weekends and holidays.

Figure 2-4 illustrates the DTPW Metromover system map as of December 2019.

Figure 2-4: Metromover System Map



## 2.4. Special Transportation Services

As mandated by the Americans with Disabilities Act of 1990 (ADA), DTPW operates a demand-response service known as STS, a shared-ride, door-to-door transportation service for certified individuals with disabilities who are unable to utilize the accessible fixed-route transit system.

Service is provided by sedans, vans and lift-equipped vehicles, seven days a week, 24 hours per day. Presently, there are 389 vehicles available for paratransit service transportation. Currently, these vehicles are privately contracted through Transportation America (TA).

As of December 2019, a total of 31,477 eligible clients are enrolled in the STS program including both ambulatory and non-ambulatory clients.



## 2.5. Services Provided by Private Contractors

DTPW currently contracts out 23 fixed route bus services, which are operated by America's Transportation (AT) and Limousines of South Florida (LSF), and serves approximately 860 bus stops and 100 directional route miles in Miami-Dade County. AT operates one express bus routes that provides service to Mile Marker 50 in the City of Marathon in Monroe County (Routes 301) and another express bus route that provides service from Florida City City Hall to Key Largo/Ocean Reef Club via Card Sound Road (Route 302). LSF operates 23 bus routes that serve approximately 860 bus stops and 100 directional route miles in Miami-Dade County. The private sector also provides several transit support services, such as:

- Security at Metrorail/Metromover stations, as well as other DTPW facilities;
- Maintenance-type service, such as tires, janitorial, elevators/escalators, etc.;
- Marketing and other similar contracts;
- Planning and technical support;
- Maintenance of bus benches/shelters at no cost to the County; and,
- Bus/rail advertising services





## 2.6. Miami-Dade Transit Passenger Fare Structure

DTPW's automated passenger fare collection system for Metrorail and Metrobus is known as the EASY Card. Cash fare payments are still accepted on Metrobus; however, Metrobus passengers are encouraged to purchase the DTPW EASY Card to take advantage of discounted transfer fees. Metrorail passengers are now required to purchase and load the contactless DTPW EASY Card. These cards are purchased at a fee of \$2.00 and loaded with appropriate fare amounts for passage. Additionally, transit customers can use the GO App or Contactless payment, Table 2-3 presents the current fare structure.

**Table 2-3: DTPW Fare Structure Summary (December 2019)**

	Regular Fare	Discount Fare <sup>1</sup>
Metrobus	\$2.25	\$1.10
Inter-County Express Bus	\$2.65	\$1.10 - \$1.30
Intra County Express Bus Reg Fare	\$2.25	\$1.30
Shuttle Bus <sup>2</sup>	25¢	10¢
Metrorail	\$2.25	\$1.10
Metrorail daily parking fee	\$4.50	Not Applicable
Metrorail monthly parking permit <sup>3</sup>	\$11.25	Not Applicable
Metromover	Free	Free
Special Transportation Service (STS)	\$3.50	Not applicable
Bus-to-Bus Transfer <sup>4</sup>	Free	Free
Bus-to-Express Bus Transfer	95¢	45¢
Bus-to-Rail Transfer	60¢	30¢
Rail-to-Bus Transfer	60¢	30¢
Shuttle Bus-to-Bus or Rail Transfer	\$2.00	\$1.00
Shuttle Bus-to-Express Bus Transfer	\$2.40	\$1.20
1-Month Pass	\$112.50	\$56.25
1-Month Pass + Monthly Metrorail Parking Permit	\$123.75	\$67.50
1-Month Pass - Group Discount 4-99 passes	\$101.25	Not applicable
Regional Monthly Pass	\$145	\$72.50
1-Month Pass - Group Discount 100 or more passes	\$95.65	Not applicable
7-Day Pass	\$29.25	\$14.60
1-Day Pass	\$5.65	\$2.80
College/Adult Education Center Monthly Pass	\$56.25	Not applicable
Golden Passport or Patriot Passport	Free	Free
EASY Card (cost of media)	\$2.00	Not applicable
EASY Ticket (cost of media)	Free	Not applicable
Transit Mobility	Free	Free
Commuter Reduced	Not Applicable	Half-fare

<sup>1</sup> Discount fare is available for Medicare recipients, most people with disabilities, and students in grades K-12 when using an EASY Card for discount fare rides, which replaces all previous discount IDs and permits. Preschool children can ride Metrobus and Metrorail free at all times with an accompanying adult. Parents or guardians of pre-schoolers are encouraged to present proof of age to bus operators and rail personnel to access the system. EASY Cards are not issued to pre-schoolers.

<sup>2</sup> DTPW operates six shuttle routes: 132/Doral-Tri-Rail Shuttle, 200/Cutler Bay Local, 211/Overtown Circulator, 212/Sweetwater Circulator, 254/Brownsville Circulator, and 286/North Pointe Circulator. There is no fare for route 132 (Doral-Tri-Rail Shuttle).

<sup>3</sup> Only available with the purchase of a monthly pass.

<sup>4</sup> Transfers are free for passengers traveling in one direction (not for round trips) using an EASY Card or EASY Ticket only within three hours of initial access of system. Passengers paying with cash must pay the full fare each time they board a bus.





### 2.6.1. Farebox Recovery Ratio

The farebox recovery ratio of a passenger transportation system is the fraction of operating expenses which are covered by the fares paid by passengers. It is calculated by dividing the system's total fare revenue by its total operating expenses. Most transit systems are not fully self-supporting, so advertising revenue, government subsidies, and other sources of funding are usually required to cover total operating costs.

Table 2-4 illustrates DTPW's farebox recovery ratio as reported to the NTD for each mode. Note that DTPW's Metromover is a free fare service and therefore collects no farebox revenue.

### 2.6.2. EASY Card Sales Outlets

EASY Card Sales Outlets are conveniently located throughout Miami-Dade County for transit customers to obtain or load cash value and/or passes onto the EASY Card or EASY Ticket. The DTPW EASY Card Services Division is responsible for training new vendors and managing all EASY Card Sales Outlets, providing DTPW with an average of \$5.9 million in revenue a year. Currently there are over 94 sales vendors throughout Miami-Dade County.

**Table 2-4: DTPW Farebox Recovery**

Mode	FY 2017	FY 2018	FY 2019
<b>Metrobus</b>	19.1%	17%	17.7%
<b>Metrorail</b>	15.9%	15.2%	16.7%
<b>STS</b>	11.7%	10.6%	10.4%
<b>ALL</b>	16.8%	15.2%	15.9%

*Source: National Transit Database, Department of Transportation and Public Works, 3<sup>rd</sup> submission, March 2020*

## 2.7. Transit Mobility (Transportation Disadvantaged) Program

Section 427, Florida Statutes and Rule 41-2 FAC, establishes and mandates the creation of the Commission for the Transportation Disadvantaged in the State of Florida. A Community Transportation Coordinator (CTC) in each county is appointed by the Commission for the Transportation Disadvantaged and is responsible for the coordination and provision of cost-efficient transportation services and the elimination of duplication through a coordinated system. In Miami-Dade County, the County government is the local coordinator. DTPW is charged with the responsibility of creating programs, applying for the grants and coordinating transportation services for the disadvantaged.

Programs such as the Section 5310, Golden Passport, Patriot Passport, and Lifeline Services are also included in the Coordinated Transportation System.

The Transportation Disadvantaged (TD) Program, through a state funded grant, provides EASY Tickets and EASY Cards to transportation disadvantaged (homeless, children and families at risk, vocational training, and rehabilitation) Miami-Dade County residents. The EASY Ticket program provides tickets to qualifying social service agencies to distribute to their clients for use on the Miami-Dade County transit system. Currently there are 65 agencies enrolled in the program. The Transit Mobility EASY Card Program provides annual EASY Cards to individuals who are TD eligible. Currently, there are 5,891 TD Mobility EASY Card Customers.

### 2.7.1. Section 5310 Program

DTPW actively participates in the Federal Transit Administration (FTA) Section 5310 program by participating in the grant review, evaluation and award process. DTPW, in its role as the CTC, is responsible for the program coordination with local non-profit agencies serving elderly and disabled residents in Miami-Dade County.



### 2.7.2. Corporate Discount Program

DTPW's Corporate Discount Program (CDP) allows participants to save on commuting costs through group discounts and pre-tax savings by purchasing public transportation through a tax deduction from their employer under Internal Revenue Service (IRS) Code 132(f). It allows employees to pay for their public transit rides using pre-tax dollars, up to \$270 month (\$3,240/year) in 2019. The CDP provides monthly transit passes on Corporate EASY Cards, good for a month of unlimited rides on Metrobus and Metrorail, at a 10 percent (10%) discount for groups of 4-99 participants, and a 15 percent (15%) discount for groups of 100+ participants. Participants who ride Metrorail can save even more by purchasing their \$11.25 monthly Metrorail parking permit with pre-tax dollars. In 2019, the CDP generated approximately \$8.7 million in revenue. Currently the number of companies enrolled is 211.

### 2.7.3. College / Vocation School Discount Program

College, university, vocational/technical, and adult education school students can purchase a one-month pass on an Orange EASY Ticket for \$56.25, half the cost of a full price monthly pass. This program is offered to full-time students using DTPW's public transportation system to get to school. As of December 2019, over 216 schools are participating in the program generating approximately \$8.75 million in annual sales.

### 2.7.4. K-12 Discount Program

Miami-Dade County students in grades K-12 can ride Metrobus and Metrorail at 50 percent (50%) off the regular fare. Pre-schoolers ride free. First time eligible students may obtain a specially encoded EASY Card at no cost by applying online at [www.miamidade.gov/transit/fare-k12](http://www.miamidade.gov/transit/fare-k12) for public school students or at <https://k12.miamidade.gov/K12EasyCardRegistration/private> for private school students. Discounted cards can also be obtained by visiting the Transit Service Center Kiosk located on the second floor of the Stephen P. Clark Center, at 111 NW 1<sup>st</sup> Street, or Pass Sales Office located at Overtown Transit Village, 701 NW 1 Court, Suite 121. This program is open to any student attending public or private schools in Miami-Dade County. In 2019, there were 3,945 newly registered K-12 customer accounts.

### 2.7.5. Golden Passport Office

The Golden Passport EASY Card provides free transportation to senior citizens 65 years and over or Social Security beneficiaries who are permanent Miami-Dade County residents. A Patriot Passport provides free transportation to disabled veterans who are permanent Miami-Dade County residents. Currently, there are 214,045 certified Golden Passport/Patriot Passport customer accounts; this includes 192,906 Golden Passport customers over 65 years of age, 19,171 Golden Passport customers under 65 years of age, and 1,968 Patriot Passport customers.

## 2.8. Customer Information / Convenience

### 2.8.1. GO Miami-Dade Transit App (iPhone and Android)

DTPW has deployed real-time iPhone and Android applications for Metrorail/Metrobus/Metromover arrival/departure, route and schedule information. These mobile applications provide DTPW passengers with everything that is currently present on the DTPW mobile web site as well as additional smartphone-specific features in the form of an app to include:

- Rider alerts
- Vehicle Trackers
- Service updates
- Metrobus schedules, routes, and stop look-up
- Metrorail and Metromover Station information
- Fare information
- Contact numbers
- Feedback zone
- Where Am I?
- Live Mapping
- STS (with access to the STS Connect online service for its clients)
- Nearby (which shows all stops/stations and real-time vehicles around you with the ability to scroll around the County)
- Integration with other apps such as EASY Pay, Pay by Phone, and MDT Transit Watch mobile application for submitting safety concerns in real-time

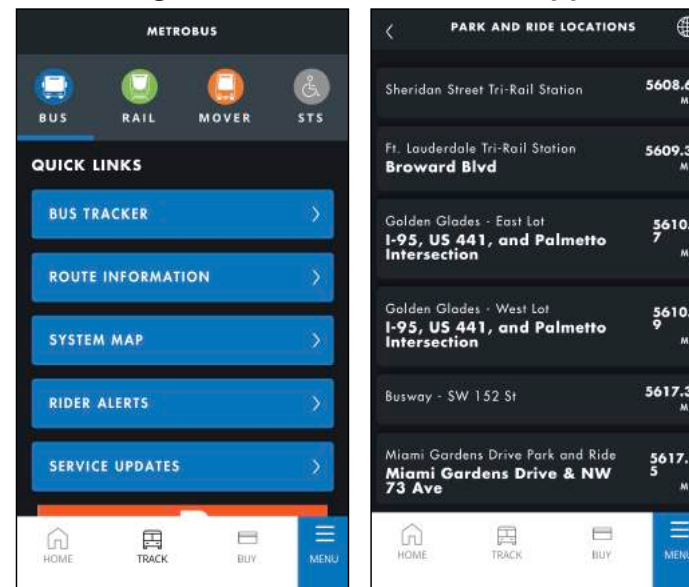
Using the all-new GO Miami-Dade Transit smartphone application, riders can plan a trip, track a ride, purchase mobile passes, report an incident, and earn points to redeem for rewards with the GO Rewards loyalty program. The app provides users with detailed route information, like schedules and system maps. Also available is a Tri-Rail one-way pass for riders traveling across the County.

### 2.8.2. Electronic Transit Rider Alert System / Train Tracker / Mover Tracker / Bus Tracker

DTPW continues to implement customer convenience enhancements to their Rider Alert system that notifies passengers about transit service delays. Registered users receive electronic alerts on detours, route changes, and updates for Metrobus as well as service interruptions for Metrorail, Metromover, Metrobus, and Special Transportation Services. The Rider Alert system also provides the operational status of Metrorail or Metromover station elevators and escalators. Customers must sign-up to receive these electronic alerts to their cellular phones, email addresses, and smart phones. There are currently 2,766 customers who are signed up to receive these electronic alerts. Train Tracker service allows users to see, via the web and on mobile devices, the estimated time of arrival of the next Metrorail train.

DTPW has a real-time Metromover Tracker System, "Mover Tracker" using the web-based technology and is available via computer, smartphone, and tablet. These software applications also provide other useful transit information such as service alerts, rail and mover station information, and elevator/escalator status. Similar systems are active for Metrorail and Buses (Train Tracker and Bus Tracker).

Figure 2-5: GO Miami-Dade App



### 2.9. Maintenance and Storage Facilities

DTPW currently operates three maintenance bus garages to serve a fleet of 762 buses. The DTPW garages are located in various areas throughout the County to provide efficient maintenance and storage services at the following locations:

- Central Facility: 3311 NW 31<sup>st</sup> Street, Miami, Florida 33142; serving 26 bus routes
- Coral Way Facility: 2775 SW 74<sup>th</sup> Avenue, Miami, Florida 33155; serving 24 bus routes
- Northeast Facility: 360 NE 185<sup>th</sup> Street, Miami, Florida 33179; serving 23 bus routes

The Metrorail fleet of 130 rail cars is maintained and stored at William E. Lehman Center: 6601 NW 72<sup>nd</sup> Avenue, Miami, Florida 33166.

The Metromover fleet of 29 cars is supported by the maintenance facility located at 100 SW 1<sup>st</sup> Avenue in Downtown Miami.

### 2.10. Pedestrian Overpasses

To facilitate a safe passenger connection, DTPW maintains pedestrian overpasses throughout its transit system. A listing of the location of these pedestrian overpasses is provided below:

- Douglas Road Metrorail Station Pedestrian Overpass
- Vizcaya Metrorail Station Pedestrian Overpass
- Hialeah Metrorail Station Overpass
- Snapper Creek Expressway and U.S.1 M-Path Overpass
- University Metrorail Station Pedestrian Overpass

**Figure 2-6: University Metrorail Station Pedestrian Overpass**







## 2.11. Park-and-Ride Facilities

DTPW currently has over 12,500 available parking spaces, including 33 park-and-ride facilities which serve one or more Metrobus routes. Twenty of those locations are located at Metrorail stops. There are approximately 3,628 parking spaces available at bus-only parking facilities, and approximately 8,916 parking spaces available at metrorail parking facilities. The locations of these available spaces is shown in Table 2-5

Parking usage is highest on the southern portion of the Metrorail line and to the north at the Metrobus Golden Glades park-and-ride facility. Figure 2-7 identifies the location of existing park-and-ride facilities that serve the DTPW system.

**Table 2-5: Park-and-Ride Parking Space Counts**

MetroBus Parking Park-and-Ride Lots	Available Parking Spaces
Transitway/SW 152 <sup>th</sup> St	200
Transitway/SW 168 <sup>th</sup> St	149
Transitway/SW 112 <sup>th</sup> Ave (Target	450
Transitway/SW 244 <sup>th</sup> St	95
Transitway/SW 296 <sup>th</sup> St	139
Transitway/SW 344 <sup>th</sup> St	248
Coral Reef Drive 177/Turnpike	95
Golden Glades - East Lot	535
Golden Glades - West Lot	1,007
Hammocks Town Center (SW 152 <sup>nd</sup> Ave/SW 104 <sup>th</sup> St)	50
Kendall Dr/SW 127 <sup>th</sup> Ave	161
West Kendall Transit Terminal (Kendall Dr/SW 162 <sup>nd</sup> Ave)	40
NW 7 <sup>th</sup> Ave Transit Village (NE 7 <sup>th</sup> Ave/NW 62 <sup>nd</sup> St)	25
Miami Gardens Dr/NW 73 <sup>rd</sup> Ave	136
<b>Total</b>	<b>3,628</b>

MetroRail Parking Park-and-Ride Lots	Available Parking Spaces
Dadeland South	1,280
Dadeland North	1,963
South Miami	1,081
University	260
Douglas Road	150
Coconut Grove	100
Vizcaya	120
Culmer	40
Santa Clara	61
Allapattah	74
Earlington Heights	361
Brownsville	100
Dr. Martin Luther King Jr. (MDT)	62
Dr. Martin Luther King Jr. (Garage)	631
Northside	197
Hialeah	338
Okeechobee	1,398
Palmetto	700
<b>Total</b>	<b>8,916</b>

Figure 2-7: Existing DTPW Park-and-Ride Facilities

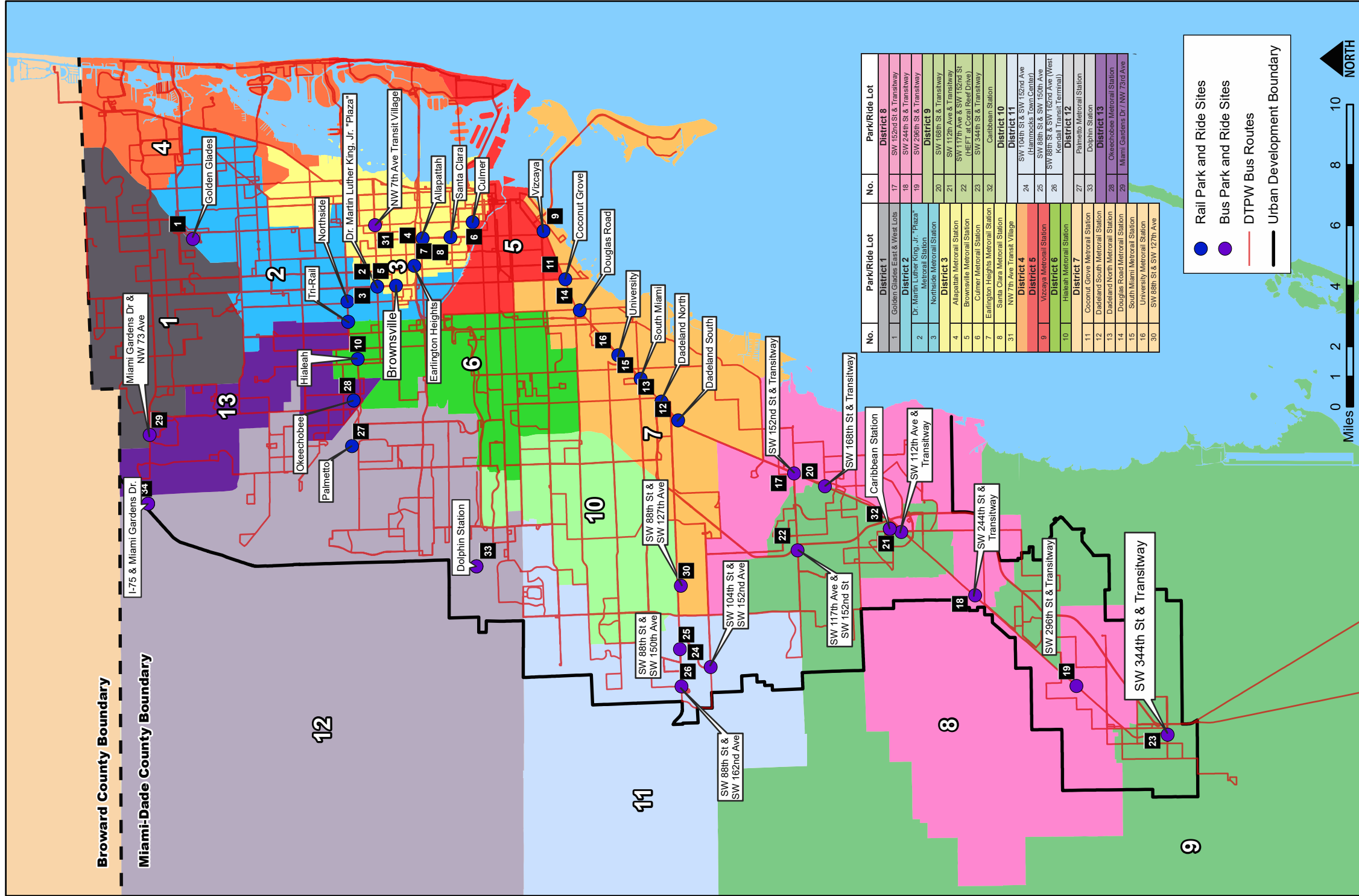
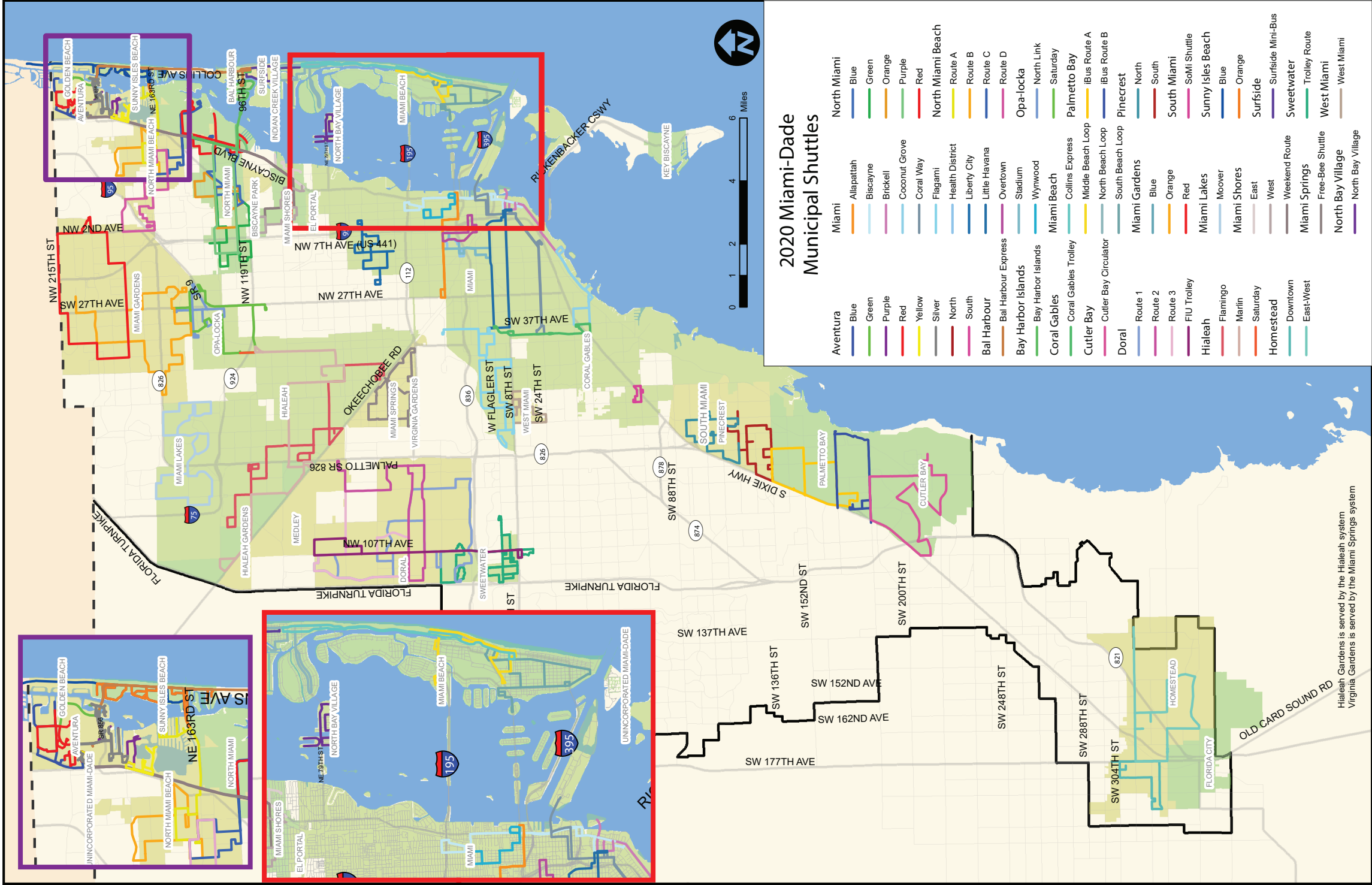


Figure 2-8: Municipal Transit Services in Miami-Dade County







### 2.12. Municipal Transit Services

DTPW continues to coordinate with local municipalities to avoid duplication of transit services and allow for efficient transit operations that complement one another. Currently, there are 34 municipalities eligible to receive surtax funding with 33 participating in the program (Indian Creek is not participating). Of these 33 municipalities participating in the program, 27 have local transit circulators that supplement DTPW bus routes. Figure 2-8 presents a map of local municipal circulators. The 28 municipalities below operate a circulator, partner with another municipality or partner with DTPW.

- City of Aventura
- Village of Bal Harbour
- Town of Bay Harbor Islands
- City of Coral Gables
- Town of Cutler Bay (Interlocal Agreement (ILA) with DTPW)
- City of Doral
- City of Hialeah
- City of Hialeah Gardens (ILA with the City of Hialeah)
- City of Homestead
- City of Miami
- City of Miami Beach (ILA with DTPW)
- City of Miami Gardens
- Town of Miami Lakes\*
- Town of Medley
- Miami Shores Village
- City of Miami Springs
- City of North Bay Village
- City of North Miami
- City of North Miami Beach
- City of Opa-locka
- Village of Palmetto Bay
- Village of Pinecrest
- City of Sunny Isles Beach
- Town of Surfside
- City of South Miami
- City of Sweetwater
- Village of Virginia Gardens (ILA with the City of Miami Springs)
- City of West Miami

\*Miami Lakes Moover fixed-route service replaced with on-demand ride-sharing service as of April 1, 2019.

The collective ridership on these circulators exceeded 14 million passenger trips in FY 18-19. The annual ridership of the three largest circulator systems – (1) City of Miami, (2) City of Miami Beach and (3) City of Coral Gables, - collectively totaled 11,570,710 in FY 18 and grew 1.2 percent since FY 17. It should be noted that many of the municipalities operating circulator systems exceed the 20 percent minimum surtax transit expenditure requirement. Appendix A.3 provides a listing of each municipality, respective service operator and website.



## 2.13. Transit Oriented Development (TOD)

In an effort to increase transit ridership, generate revenue, and create attractive and dynamic station areas, DTPW has partnered with the private sector to implement the following transit oriented development as:

### 2.13.1. Dadeland South Metrorail Station

**Projects:** Datan Center I & II (Phases 1 & 3)

- 2 Class A office buildings, 476,412 rentable sq. ft.
- 35,000 sq. ft. retail space
- 3,500 parking spaces, 1,100 = dedicated transit patron usage

Miami Marriott Dadeland Hotel and Conference Center (Phase 2)

- 302 luxury hotel rooms

Dadeland Centre I (Phase 4A)

- 18 story Class A office building (8 floors offices, 9 floors parking)
- 152,014 sq. ft.

Dadeland Centre II (Phase 4B)

- 15 story Class A office building (8 floors office, 6 floors parking)
- 119,516 sq. ft.; ground floor retail

**Location:** S. Dixie Highway/U.S. 1 between Dadeland Boulevard and the Palmetto Expressway Overpass, Unincorporated Miami-Dade County

**In Operation:** Phases 1, 2 & 3 since 1984, Phase 4A since 2005 & Phase 4B since 2008

**Term:** Lease commenced July 1982; initial term to Dec. 2038; automatic 44-year renewal to Dec. 2082; automatic 50-year renewal to 2132.



### 2.13.2. Dr. Martin Luther King, Jr. Plaza Metrorail Station

**Project:** Dr. Martin Luther King, Jr. Plaza Office Building

- 5-story, 172,000 sq. ft. office building including 13,500 sq. ft. of ground floor retail
- Demolition of portion of parking structure and renovation of 631-space entire garage
- Covered walkway linking building with station

**Location:** NW 62<sup>nd</sup> Street at NW 27<sup>th</sup> Avenue

**Development Area:** 7.9 acres

**Status:** 2001 groundbreaking; 2004 office building opened and garage re-opened



### 2.13.3. Allapattah Metrorail Station

**Project:** Allapattah Garden Apartments

- Affordable rental housing complex with surface parking
- 8 garden-style, 3-story buildings totaling 135,100 sq. ft.
- 128 two and three bedroom units
- Clubhouse, tenant amenities, resident programs and services, day care center

**Location:** NW 36<sup>th</sup> Street at NW 12<sup>th</sup> Avenue, City of Miami

**Development Area:** 4.7 acres

**Status:** Groundbreaking October 2002. Completed spring 2004.



### 2.13.4. Santa Clara Metrorail Station

**Project:** Santa Clara Apartments

- Phase I: 9-story, 208-unit affordable rental apartment building, 157 surface parking and 51 Phase II garage parking spaces
- Phase II: 17-story, 204-unit affordable rental apartment building; 319 parking spaces on 5 levels with 207 spaces for Phase II tenants, 51 spaces for Phase I tenants and 61 ground floor spaces dedicated for Metrorail patrons

**Location:** NW corner, NW 20<sup>th</sup> Street at NW 12<sup>th</sup> Avenue, City of Miami

**Development Area:** 3.3 acres

**Status:** Phase I Certificate of Occupation (CO) 2004 - Phase II CO 2006







### 2.13.5. Wilkie D. Ferguson Metromover Station

**Projects:** Overtown Transit Village (OTV) North (Phase I)

- 17-story, 309,900 sq. ft. office building
- Separate 9-story, 590-space parking garage
- 4,000 sq. ft. ground floor retail

Overtown Transit Village South (Phase II)

- 21-story, 300,000 sq. ft. office building including garage
- 7,152 sq. ft. ground floor lobby
- Integrated 6-story, 334-space parking garage

**Location:** NW 1st Court between NW 6<sup>th</sup> and 8<sup>th</sup> Streets, City of Miami

**Development Area:** 2.1 acres

**Status:** OTV I: Groundbreaking May 2004, construction began May 2004, completed June 2006. First occupancy March 2007

OTV II: Construction began winter 2007, completion early to mid 2010



### 2.13.6. Brownsville Metrorail Station

**Project:** Brownsville Transit Village

- Mixed-income, five phase TOD with mid- to high-rise affordable dwelling units
- Phase I, II, III, and IV consist of 401 housing units (96 family, 305 elderly)
- Each phase of the development has achieved basic Leadership in Energy & Environmental Design (LEED) certification, focusing on reducing energy and resource consumption through high-efficiency plumbing fixtures, high-efficiency lighting, solar power, etc.
- Phase V will be a 65-unit affordable rental community

**Location:** 5200 NW 27<sup>th</sup> Ave

**Development Area:** 5.8 acres

**Status:** Phase I and II groundbreaking took place in June 2010. Phase III and IV groundbreaking took place in November 2010. The Development Impact Review Committee (DIC) zoning application for Phase V was filed in January 2020.



### 2.13.7. Eighth Street Metromover Station

**Project:** Brickell City Center

- Mixed-use project to span up to five blocks when completed
- The project has achieved Leadership in Energy & Environmental Design Gold certification
- The hotel and residential towers, and some office space opened in 2016

**Location:** 701 S Miami Ave

**Development Area:** 9 acres

**Status:** Phase I broke ground in 2012, and was completed in 2014. Construction for Phase II began in 2017.



### 2.13.8. Northside Metrorail Station

**Project:** Northside Transit Village

- Four phase TOD with 438 affordable housing units (219 elderly, 219 family)
- 20,000 sq. ft. ground floor retail
- Multi-level parking garage with 250 dedicated Metrorail parking spaces

**Location:** Southeast corner of NW 32<sup>nd</sup> Avenue and NW 79<sup>th</sup> Street

**Development Area:** 5.8 acres

**Status:** Phase I completed in 2015, with 100 apartments, a parking garage and ground floor retail. Phase 2 broke ground in Q1 of 2018 and completed the construction of 120 affordable apartments for seniors. Phase 3 constructed an additional 129 affordable housing units for seniors and will be completed in early 2020. Construction of Phase 4, 119 affordable housing units and additional retail space, is scheduled for completion in Q4 2020.





### 2.13.9. NW 7th Avenue Transit Village

**Project:** NW 7th Avenue Transit Village

- Mixed-use, two phase TOD including a multi-level parking garage and transit hub
- Phase I consists of 76 affordable housing units
- Phase II will consist of 100 affordable housing units, a community theater space, and a metro transit hub

**Location:** Corner of NW 7th Ave and 62nd St

**Development Area:** 2.5 acres

**Status:** Phase I was completed in the Fall of 2015. Phase II was completed in 2017.



### 2.13.10. Metrorail Stations between Brickell and Dadeland South

**Project:** The Underline

- Once completed, The Underline will serve 107,000 residents within a 10-minute walk, will provide access to public transportation to one University and 24 schools, two hospitals, three urgent care facilities, four major malls and over 10,000 businesses.
- A nine-phase effort to transform the underutilized land below the Metrorail into a 10-mile linear park, urban trail, and living art destination.
- Separated pedestrian and bicycle paths.
- Improvements to over 30 intersections.
- Recreational features will include butterfly gardens, playgrounds, exercise equipment, basketball and volleyball courts, soccer fields, picnic areas, dog parks and more.

**Location:** Following the path of the Metrorail from the Miami River to Dadeland South Station Development

**Development Area:** 120 acres

**Status:** Phase 1 (Brickell Backyard) from the Miami River to SW 13th Street broke ground on November 1, 2018. Scheduled for completion in June 2020. Phase 2, from SW 13th Street to SW 19th Avenue is fully funded, and is now in pre-design planning. Phase 5 will be built by private developers near the Douglas Road Station. All other phases are currently unfunded.



### 2.13.11. Dadeland North Metrorail Station

**Project:** Motion at Dadeland

- 25 story residential tower
- 294 market rate apartments
- 411 space parking garage
- 7,500 sq. ft. of ground floor retail

**Location:** SW 84<sup>th</sup> Street between SW 70<sup>th</sup> Avenue and U.S. 1

**Development Area:** 0.87 acres

**Status:** Completed Spring 2019

### 2.13.12. Bird Road

**Project:** Senator Villas

- Consists of 23 affordable housing units for the elderly
- Improvements to the sidewalks, bus shelters, and art features in public spaces along Bird Road

**Location:** 8915 SW 40<sup>th</sup> Street

**Development Area:** 0.66 acres

**Status:** Project broke ground in Aug 2017 and was completed in completed in 2019.

### 2.13.13. Douglas Road Metrorail Station

**Project:** Link at Douglas

- Five tower mixed-use development
- 1,421 apartments (12.5% workforce housing)
- 251,873 sq. ft. of office space
- 25,000 sq. ft. of retail
- 750 parking spaces

**Location:** The area bounded by SW 37<sup>th</sup> Avenue on the east and SW 38<sup>th</sup> Avenue on the west, between U.S. 1 and Peacock Avenue.

**Development Area:** 5.57 acres

**Status:** Under Construction. Phase 1 broke ground in Q1 2019, with three additional phases planned. Phase 1A began in Q3 2019.





### 2.13.14. Coconut Grove Metrorail Station

**Project:** Grove Central

- 250 apartments
- 180 key hotel
- 190,000 sq. ft. of combined office and retail space
- Large Parking Garage
- \$5 million for station upgrades and improvements
- First Urban Microgrid in Florida
- Geothermal AC system

**Location:** Parcel bounded by Douglas Road on the east and SW 29<sup>th</sup> Avenue on the west, between U.S. 1 and SW 27<sup>th</sup> Terrace.

**Development Area:** 5.18 acres

**Status:** Pre-Construction Phase: Utility/Right of Way (ROW) began in 2019 and is currently being completed. Construction expected to be complete in late 2021.



### 2.13.15. Adrienne Arsht Center Metromover Station

**Project:** Omni Bus Terminal

- Hotel To be built around and above existing Omni Bus Terminal and Metromover Station.
- \$22 million in upgrades to existing transit infrastructure, including new state of the art bus terminal
- 300 room hotel
- Residential service apartments
- 5,000 sq. ft. of retail space

**Location:** Southeast corner of Biscayne and NE 15<sup>th</sup> Street

**Development Area:** 0.987 acres

**Status:** Broke ground Q1 2019, currently on hold



### 2.13.16. Freedom Tower Metromover Station

**Project:** Luma at Miami Worldcenter

- 44 stories
- 434-unit apartment tower
- As a part of the development, the developer will reconstruct the Metromover station for integration with the rest of the development
- Station improvements will include a new elevator, renovated stairs, new turnstiles, lighting, and landscaping.

**Location:** NE 2<sup>nd</sup> avenue and NE 7<sup>th</sup> street

**Development Area:** 1.65 acres

**Status:** Miami Worldcenter currently under construction. Station improvements scheduled to begin in the 2<sup>nd</sup> Quarter of 2020.



### 2.13.17. South Miami-Dade Transitway

**Project:** Caribbean Village

- Mixed use TOD with a minimum 170 affordable housing units for seniors
- 12,500 sq. ft. of retail/commercial space
- 150 space surface parking for transit riders

**Location:** 19755 SW 110<sup>th</sup> Court

**Development Area:** 3.23 acres

**Status:** : Completed in December 2019, opening February 2020





### 2.13.18. Tenth Street Promenade Metromover Station

**Project:** 1010 Brickell

- The Tenth Street/Promenade Metromover station will be integrated into the project via new walkways and ramps, improved lighting, installation of new hardscaping, signage, handrails, and bicycle racks.
- Other improvements include reconfiguration of the north station entry, relocation of automatic passenger counters, painting of ground floor and concrete structures, restoration of elevator cab and door, and installation of new light emitting diode (LED) lighting and fan inside the station's elevator.

**Location:** 1011 SE 1<sup>st</sup> Ave

**Status:** Scheduled for completion in first quarter of 2020



## 2.14. Regional Transit Service Connections

### 2.14.1. Broward County Transit (BCT)

The Broward County Office of Transportation operates BCT, a fixed route bus service, which connects with DTPW service. BCT operates 44 routes during weekdays, 31 routes on Saturday and 29 routes on Sundays, with varying service schedules spanning from before 4:35 AM to after midnight on weekdays. A regular one-way fare is \$2.00 while a reduced one-way fare is \$1.00, and an all-day pass is \$5.00. The express bus one-way fare is \$2.65 while the reduced one-way fare is \$1.30. DTPW passengers transferring to BCT will provide the BCT bus operator with the Inter-County Ticket and pay \$0.50. Passengers transferring from BCT to DTPW will provide the DTPW bus operator with the BCT Transfer and pay \$0.60 for a full-fare transfer, \$0.30 for a discounted-fare transfer, \$0.95 for an express-bus transfer or \$0.45 for a discounted fare transfer. BCT and DTPW have partnered to provide regional bus service between Broward and Miami-Dade Counties. Currently, DTPW buses travel into Hallandale Beach (southern Broward), and BCT buses travel into Aventura, North Miami, Miami Gardens, and the Golden Glades interchange. Bus service from both agencies operates within the I-95 express lanes, connecting northern and central Broward communities with Downtown Miami. BCT operates the 595 Express which connects western Broward communities to the Civic Center and Downtown Miami.



### 2.14.2. South Florida Regional Transportation Authority (SFRTA)

The SFRTA operates Tri-Rail, a commuter rail service that operates along 72 miles of the South Florida Rail Corridor (SFRC) which spans Palm Beach County, Broward County, and Miami-Dade County. Tri-Rail primarily runs through the eastern urbanized areas of the three counties between the Mangonia Park station in Palm Beach County and the Miami Airport station in Miami-Dade County. Tri-Rail serves 18 passenger stations and averages more than 15,000 boardings per weekday.



Weekday service spans from 4:00 A.M. to 11:35 P.M., with operations of 20 minute to 30 minute headways in each direction during the Peak periods, Off-peak headways are 60 minutes in each direction. Weekend service spans from 5:17 A.M. to 11:45 P.M. with 60 minute headways. Tri-Rail operates a zonal fare system and is comprised of six equidistant zones. Fares are determined by the sum of zones traveled; the regular base fare for one-way travel is \$2.50, discounted one-way is \$1.25, regular round-trip is \$5.00 and discounted round-trip is \$2.50. On weekends and holidays, daily passes are issued for \$5.00 and discounted is \$2.50. The cost for the Tri-Rail monthly pass is \$110 (\$55.00 discounted for children, seniors, and persons with disabilities). The cost for the Tri-Rail regional monthly pass (Tri-Rail and MDT) is \$155.00 (\$77.50 discounted for children, seniors, and persons with disabilities). Tri-Rail passengers transferring to the DTPW system at a Tri-Rail transfer point are required to pay as presented in the following table:

**Table 2-6: Tri-Rail to DTPW Transfer Prices**

FARE TYPE	TO METRORAIL	TO METROBUS	TO EXPRESS BUS
EASY Card with Cash Value#	\$1.20 Full/60¢ Discount	60¢ Full/30¢ Discount	95¢ Full / 45¢ Discount
Regional Monthly Pass	Free	Free	Free
All other passes#	\$1.20 Full/60¢ Discount	60¢ Full/30¢ Discount	95¢ Full/45¢ Discount
Paper Ticket	Metrorail Fare	Metrobus Fare	Express Bus Fare

### 2.14.3. Brightline

Brightline is a private rail service connecting Downtown Miami, Downtown Fort Lauderdale, and Downtown West Palm Beach with approximately 30-45 minutes travel time between each station. Service started in 2018 with prices changing over time according to market tolerance. Service has been temporarily suspended due to the Covid-19 pandemic. Future growth plans include an additional station on the SMART Plan Northeast Corridor in Aventura, Florida, and an expansion to Orlando, Florida.



## 2.15. National Connections

### 2.15.1. Greyhound Intercity Passenger Bus Service

Greyhound operates one station and two additional stops in Miami. The Miami Greyhound Bus Station is located East of MIA Airport, at 3801 NW 21<sup>st</sup> Street #171, and also operates buses out of the nearby MIC.

An additional Greyhound stop is located at the Mobil Gas Station, 650 Opa-Locka Blvd. Greyhound offers bus service from Miami to all major US cities and more than 1,800 minor cities and towns across the country. Ticket prices currently range from \$11.00 for a trip from Miami to Hollywood, up to \$207 for a trip to Seattle, WA.



### 2.15.2. Amtrak Intercity Passenger Rail Service

The Miami Amtrak station is located at 8303 NW 37<sup>th</sup> Avenue with an extension running to the MIC. Miami is the southern terminus for the Silver Service / Palmetto Line, which connects Miami to New York Penn Station by way of Philadelphia, Baltimore, Washington DC, Raleigh, Charleston, Jacksonville, Orlando, Fort Lauderdale, and many smaller cities in between. Major connections to East-West running lines are available in Washington DC and beyond. Coach seats are currently available from Miami for prices starting at \$45 for a trip to Winter Haven Florida, up to \$162 to reach the other end of the Palmetto Line at New York Penn Station. Sleeper rooms are currently available for prices starting at \$210 for a trip to Winter Haven, up to \$479 for a trip to New York.



### 2.15.3. Megabus

Megabus operates in over 100 cities across the United States and Canada. In Miami, Megabus departs from the MIC at 3801 NW 21<sup>st</sup> Street, like many other transit providers. Miami currently is the southernmost Megabus stop in the United States. The service is advertised as a low-cost transportation alternative, with one-way tickets to Tampa available for \$5 and to Atlanta for \$10. The only out-of-state destination available by a direct trip via Megabus is Atlanta; however, transfers from the Atlanta station can reach as far as New York City.



## 2.16. Conclusion

DTPW operates a multi-modal system that provides regional connectivity to 2.7 million residents and 24.2 million visitors through 98 Metrobus routes, two Metrorail lines, three Metromover loops, and 33 Park-and-Ride lots while coordinating with 33 municipalities which provide their own local transit service. This complex system is connected through a state-of-the-art transit app that brings convenience into the hands of riders. Transit fares are structured to help provide equitable access to all users. DTPW's TOD projects have yielded more than 4,990 residential units with 1,921 of those considered affordable housing. Interconnectivity with regional and national service providers help extend the reach of DTPW's services.





### 3. CIVIC ENGAGEMENT

Public outreach is a key component of the MDT10Ahead TDP APR. For this year's report, various approaches were taken to obtain input from Miami-Dade residents. The FDOT approved Public Involvement Plan (PIP) outlines various coordination efforts for DTPW to provide opportunities for public participation and facilitate consensus building for this visioning document.

During a typical APR cycle, DTPW actively engages the public by participating at local events, conducting interactive presentations, and performing outreach activities throughout the DTPW transit service area and within communities across Miami-Dade County.

However this year, due to the SARS-CoV-2 (Covid-19) pandemic and social distancing restrictions, DTPW was unable to safely conduct the typical in-person outreach activities. To ensure this TDP still includes meaningful public input, the agency expanded outreach efforts to include a combination of social media and digital advertising.

This chapter provides a detailed description of the public outreach activities undertaken during the development of this TDP. While DTPW receives continuous feedback from its patrons, the deadline for consideration in this TDP Annual Update was July 31<sup>st</sup>, 2020. Feedback obtained after this date will be incorporated into the following year's TDP.

#### 3.1. Civic Engagement Goals and Objectives

Civic engagement is an integral component of the TDP development process. The branded name and logo for the plan, MDT10Ahead, was developed to assist stakeholders and the public in recognizing materials and allowing for more efficient communication between the team, the public, and stakeholders. The goals for the MDT10Ahead TDP are presented below and are intended to help ensure that transportation planning decisions are made in consideration of public needs and concerns.

- **Goal 1: Early and Consistent Involvement:** Involve general public (transit and non-transit users) and other stakeholders early and regularly in the development of the plan.
- **Goal 2: Opportunity for Participation:** Provide all DTPW riders, citizens, and stakeholders with the opportunity to participate throughout the development of the plan, including those in traditionally under-represented populations, such as persons with disabilities, older adults, or those who have Limited English Proficiency (LEP).
- **Goal 3: Information and Communication:** Provide all citizens and interested stakeholder agency groups with clear, timely, and accurate information relating to projects as they progress.
- **Goal 4: Apply Range of Techniques:** Use a broad-spectrum of techniques to gather input from a diverse population within the project areas.

Figure 3-1: Teleconference TDP Presentation to the TPO CTAC





## **3.2. Stakeholder Coordination**

DTPW actively engages transportation stakeholders throughout the development of the TDP. These stakeholders share input, recommendations, and technical guidance on transportation related issues within the TDP. The stakeholders include the Miami-Dade TPO and CITT, as well as citizens from across the County.

### **3.2.1. CareerSource South Florida (Regional Workforce Board)**

CareerSource South Florida serves Miami-Dade County to provide youth, employment, and business enterprise development services. CareerSource South Florida was provided a digital copy of the Draft MDT10Ahead TDP Annual Update for their review and comment.

Additional coordination efforts with the CareerSource South Florida are ongoing through the Welfare-to-Work Program, which includes the provision of transit service to areas not served by DTPW. Through this program, DTPW receives input on specific transit needs for consideration of adjustment and/or implementation of transit services in response to these needs.

### **3.2.2. Citizens Transportation Advisory Committee (CTAC)**

DTPW presented to the CTAC on June 30<sup>th</sup>, 2020. The CTAC ensures that transportation projects in all stages of the planning process adhere to established visions, goals, objectives, and collective needs of the community. This group is comprised of Miami-Dade County residents appointed by the TPO Governing Board members. The CTAC was an integral part of the TDP APR process this year as they gave valuable feedback on multiple topics, including ways to safely engage the senior population for their input during the SARS-CoV-2 pandemic.

### **3.2.3. SFRTA Planning Technical Advisory Committee (PTAC)**

DTPW presented to the South Florida Regional Transportation Authority (SFRTA) PTAC on August 12, 2020. The PTAC provides planning and technical support to the SFRTA and serves as technical review committee for the SFRTA Transit Development Plan. This group is comprised of one member each from the three county transit agencies: Miami-Dade DTPW, Broward County Transit, and Palm Tran; the Broward Metropolitan Planning Organization (MPO), Palm Beach Transportation Planning Agency (TPA) and the Miami-Dade TPO; the two Regional Planning Councils, South Florida RPC and Treasure Coast RPC; the two FDOT Districts (District 4 and 6), and SFRTA, for a total of 11 members.

### **3.2.4. Electronic Communication**

DTPW promoted TDP public engagement activities and encouraged input through its electronic communication outlets. Notices were posted on the DTPW, TPO, FDOT and CITT websites. DTPW posted information on its Facebook page ([www.facebook.com/GoMiamiDade](https://www.facebook.com/GoMiamiDade)), through its Twitter account ([www.twitter.com/GoMiamiDade](https://www.twitter.com/GoMiamiDade)), and on its Instagram account ([www.instagram.com/gomiamidade](https://www.instagram.com/gomiamidade)). Email blasts were also sent out to various distribution lists to solicit public comments. DTPW also used its mobile app to reach passengers. DTPW established a TDP specific email address (MDT10Ahead@miamidade.gov) where individuals submit comments.

DTPW used the Community Information and Outreach Center's (CIAO) electronic ([www.miamidade.gov](http://www.miamidade.gov) or 311@miamidade.gov) and telephone (311, 305-468-5900, 888-311-DADE (3233), or TTD/TTY 305-468-5402) portals to gather information. If a commenter indicated that the comment was related to the TDP, the information was forwarded by CIAO staff to DTPW staff. Individuals can also call DTPW's customer service line (305-891-3131 or TTD/TTY 305-499-8971) to provide comments.

## 3.3. Survey

DTPW administered a survey between May 15, and July 31, 2020 to collect information on demographics, travel behavior, service needs and priorities of current transit riders and the non-riding public. The survey was made available digitally on the DTPW website, and paper copies were also available upon request. A full copy of the survey instrument is available in Appendix A-4.

### 3.3.1. Survey Instrument

The survey instrument was developed through an in-depth discussion between project stakeholders. The survey questions cover two key areas. The first concentrates on understanding how riders access and utilized the transit system in their pre-Covid travels, and changes needed to ensure future public health and safety on the transit system. The second focus area asks respondents to prioritize improvements to the system by ranking different amenities from "Very Important" to "Not Important." The electronic survey consisted of 24 questions, and the mail-in-paper-based survey contained 14 questions. The survey was made available in English, Spanish and Creole.

Figure 3-2: TDP Paper Survey

### What is #MDT10Ahead?

Miami-Dade County's Department of Transportation and Public Works' (DTPW) Transit Development Plan (TDP) is a ten-year strategic vision that helps the Miami-Dade Transit (MDT) operate and grow a clean, safe, convenient, and reliable transit system. This brief survey uses your input to influence our plans looking forward to the next decade.

**What this survey does:** The TDP evaluates DTPW's existing transit system, identifies existing and future service improvements as well as capital investments, and in the end it presents a financial plan based on available funding.

**How you can help:**

- Fill out and mail back this short survey to: **Department of Transportation and Public Works MDT10Ahead**, 701 NW 1st Court, 15th Floor, Miami, FL 33136 (postage is on us)
- Submit additional comments via email at: **MDT10Ahead@miamidade.gov**
- Fill out the online survey at: **www.miamidade.gov/transit/mdt10-ahead.asp**
- Look for us at one of our community events.
- Follow us on social media at **@60MiamiDade** on Twitter, Instagram, and Facebook. Use **#MDT10Ahead** to join the conversation.

**Recommended Service Plan:** The ten-year implementation plan guides decisions about existing and future services. The plan is based on service standards, citizen input (like this survey you're about to complete), and stakeholder coordination.

**Capital Investment Plan:** This plan prioritizes investments in buses, stations, infrastructure, and equipment needed to preserve and expand the transit system needed to implement the Recommended Service Plan.

**Financial Plan:** The financial plan identifies all available financial resources and identifies financial needs based on the Recommended Service Plan and Capital Investment Plan.

**For more details, visit:** [www.miamidade.gov/transit](http://www.miamidade.gov/transit)

NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES

**BUSINESS REPLY MAIL**  
FIRST CLASS MAIL PERMIT NO. 73 MIAMI, FL

POSTAGE WILL BE PAID BY ADDRESSEE

MIAMI-DADE DEPT OF TRANSPORTATION  
AND PUBLIC WORKS  
701 NW 1ST CT FL 15  
MIAMI FL 33136-9809

**MOVING FORWARD TOGETHER**

**MIAMI-DADE COUNTY'S  
TRANSIT DEVELOPMENT PLAN**

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

This is an annual survey conducted by the Miami-Dade County Department of Transportation and Public Works. Responses to the survey questions should reflect your typical behavior prior to the COVID-19 outbreak (March 2020).

**HOW DO YOU RIDE TRANSIT?**

How often did you use Miami-Dade Transit services, prior to the COVID-19 outbreak (March 2020)?

	BUS	RAIL	MOVER	STS
4+ times a week	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1-3 times a week	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A few times a month	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rarely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Never	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

How do you normally access transit service information?

☐ GO Miami-Dade Transit app  
☐ Another smart phone application  
☐ Social Media (Facebook, Instagram, Twitter, etc.)  
☐ Miami-Dade Transit website  
☐ Printed Schedules  
☐ Rider Alerts (email/text messages)

**The main reason I'm taking transit today is:**

☐ Transit is my only option  
☐ I got rid of my car because I prefer to ride transit  
☐ I don't have access to a car  
☐ I don't drive ☐ I don't take transit

**If you ride transit to work/ school, where do you typically start your trip? Zip Code: \_\_\_\_\_ Where do you end your trip? Zip Code: \_\_\_\_\_**

**Before you begin your transit trip, how do you typically get to your Transit station/stop (i.e. Metrorail, Metrobus, or Metromover)?**

☐ I don't take transit ☐ Walk  
☐ Bike, scooter, or another personal device  
☐ Drive ☐ Carpool or vanpool  
☐ Rideshare (Lyft, Uber, Freebee, etc.)  
☐ Carpool or vanpool ☐ Municipal Trolley  
☐ I don't take transit

**When you exit the transit vehicle, how do you typically travel to your destination?**

☐ Walk  
☐ Bike, scooter, or another personal device  
☐ Rideshare (Lyft, Uber, Freebee, etc.)  
☐ Carpool or vanpool  
☐ Transfer to another Metrorail, city trolley, or Metromover  
☐ Municipal Trolley  
☐ I don't take transit

**TRANSIT PRIORITIES**

**What should the Miami-Dade Transit's service priorities be for the next ten years?**

	Very Important	Important	Neutral	Not Important
Arrive and depart on time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Earlier/later service hours	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
More frequent service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
More weekend service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expand to serve new areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
More express/rapid transit service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improve comfort and amenities at transit facilities and vehicles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improve cleanliness of vehicles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase cleaning/ sanitizing frequency	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**What should be the main Miami-Dade Transit facilities-related priorities for the next ten years?**

	Very Important	Important	Neutral	Not Important
Improve stop/station amenities (canopies, lighting, seating, other furnishings)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improve access to retail/food/beverages at stations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improve wayfinding signage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improve bicycle/pedestrian access and amenities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improve micro-mobility integration at stations (rented bikes/ scooters)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provide electric vehicle charging stations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expand designated carshare (sfp) areas at Metrorail stations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Create more convenient pick-up/drop-off areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase parking at Metrorail stations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Create more park-and-ride lots	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improve public health safety at stations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improve security at stations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase station/stop seating capacity or standing room to allow social distancing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**RATE MIAMI-DADE TRANSIT'S OVERALL SERVICE**

**Rate your overall experience with transit**

☐ Excellent ☐ Good ☐ Acceptable  
☐ Neutral ☐ Negative ☐ I do not ride Transit

**Do you feel security systems are adequate while using Miami-Dade Transit?**

☐ Yes ☐ No ☐ I don't take Transit

**ABOUT YOURSELF (OPTIONAL)**

**Which gender do you identify with?**

☐ Male ☐ Female ☐ Other

**What is your age group?**

☐ Under 16 ☐ 16-24 ☐ 25-34  
☐ 35-44 ☐ 45-54 ☐ 55-64  
☐ Over 65

**What is your household's approximate total annual income?**

☐ Less than \$15,000 ☐ \$15,000 - \$24,999  
☐ \$25,000 - \$34,999 ☐ \$35,000 - \$44,999  
☐ \$45,000 - \$54,999 ☐ \$55,000 - \$74,999  
☐ \$75,000 - \$99,999 ☐ \$100,000+

**How many working motor vehicles are available in your household?**

☐ None ☐ One ☐ Two ☐ Three or more

**Which best describes your race/ethnicity (select all that apply)?**

☐ Hispanic/Latino ☐ Black/ African-American  
☐ White ☐ Asian ☐ Other

**SMART PLAN - RAPID TRANSIT**

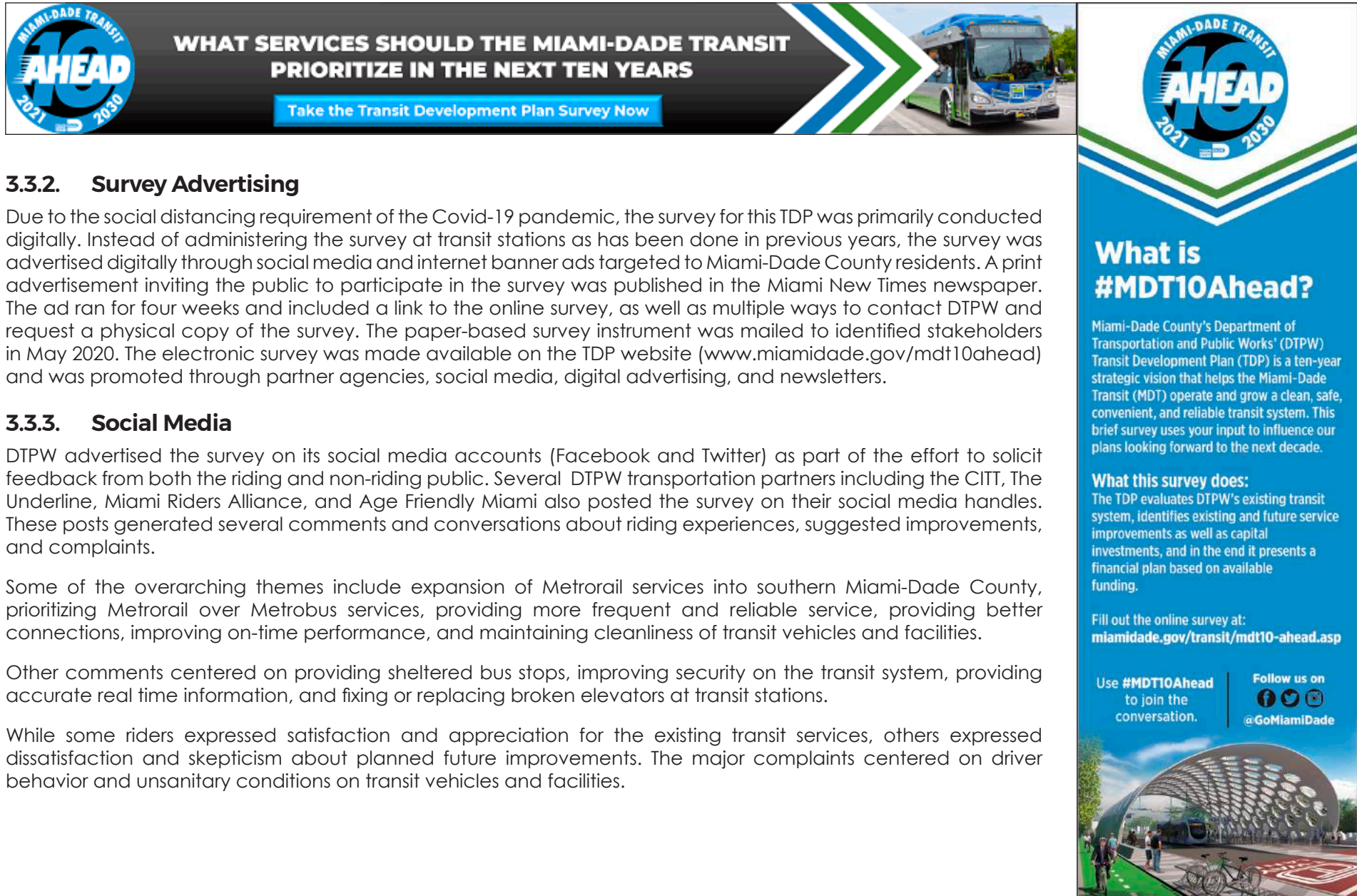
**Of the six corridors in the Strategic Miami Area Rapid Transit (SMART) Plan that are being considered for premium transit service, please rank the corridors which you would use the most by assigning a score from 1 - 6 next to each option.**

Beach Corridor East-West Corridor  
 Kendall Corridor North Corridor  
 Northeast Corridor South Corridor





Figure 3-3: Samples of TDP Digital Advertisements



### 3.3.2. Survey Advertising

Due to the social distancing requirement of the Covid-19 pandemic, the survey for this TDP was primarily conducted digitally. Instead of administering the survey at transit stations as has been done in previous years, the survey was advertised digitally through social media and internet banner ads targeted to Miami-Dade County residents. A print advertisement inviting the public to participate in the survey was published in the Miami New Times newspaper. The ad ran for four weeks and included a link to the online survey, as well as multiple ways to contact DTPW and request a physical copy of the survey. The paper-based survey instrument was mailed to identified stakeholders in May 2020. The electronic survey was made available on the TDP website ([www.miamidade.gov/mdt10ahead](http://www.miamidade.gov/mdt10ahead)) and was promoted through partner agencies, social media, digital advertising, and newsletters.

### 3.3.3. Social Media

DTPW advertised the survey on its social media accounts (Facebook and Twitter) as part of the effort to solicit feedback from both the riding and non-riding public. Several DTPW transportation partners including the CITT, The Underline, Miami Riders Alliance, and Age Friendly Miami also posted the survey on their social media handles. These posts generated several comments and conversations about riding experiences, suggested improvements, and complaints.

Some of the overarching themes include expansion of Metrorail services into southern Miami-Dade County, prioritizing Metrorail over Metrobus services, providing more frequent and reliable service, providing better connections, improving on-time performance, and maintaining cleanliness of transit vehicles and facilities.

Other comments centered on providing sheltered bus stops, improving security on the transit system, providing accurate real time information, and fixing or replacing broken elevators at transit stations.

While some riders expressed satisfaction and appreciation for the existing transit services, others expressed dissatisfaction and skepticism about planned future improvements. The major complaints centered on driver behavior and unsanitary conditions on transit vehicles and facilities.





### 3.4. Civic Engagement Outcomes

DTPW continues its coordinated county-wide efforts to educate and provide early and ongoing public involvement opportunities to the residents of Miami-Dade County. DTPW maintains an outreach program for engaging the public and other stakeholders through various activities and meeting forums. These include the DTPW website and social media outlets, mobile phone applications, posters, bus signs, and television screens. DTPW also reaches a wide variety of patrons through the Special Transportation Services (STS) Golden Passport Program.

In order to promote participation in the TDP development process, DTPW actively engaged the public at various public events. A listing of these events and distribution sites, as well as other outreach events attended by DTPW staff can be found in Appendix A-4. The data collected from the surveys are analyzed and presented in Section 3.5, with detailed data found in Appendix A-4.

#### 3.4.1. Digital Advertising Outcomes

The digital surveys were advertised on Google Ads and Miami New Times. By the end of the survey period on July 31, 2020, the survey had been advertised 3,697,927 times to Miami-Dade County residents through Google banner ads which received 21,713 clicks - a 0.6 percent click through rate, which is more than double the typical rate for Google banner ads. The 21,713 clicks resulted in 550 completed surveys (2.5 percent). Of the 550 digital survey responses received, 530 were completed in English, 17 in Spanish, and 3 in Creole.

### 3.5. Survey Results

A survey administered by DTPW was conducted from May to July 2020 to collect information on demographics, travel behavior, and service needs of current transit riders and the non-riding public. The method used for surveying the public was an electronic and mail-in paper-based survey instrument totaling 24 or 15 questions in length, respectively. Spanish and Creole versions of the survey were also available. A copy of the survey instruments is provided in Appendix A-4.

Passenger travel characteristics and behaviors were identified by questions including:

- Current reason for riding transit
- Current method for reaching and leaving transit
- Travel time to nearest/preferred transit station
- Frequency of transit usage
- Payment type used
- If transfers are made
- Method of accessing transit information
- Trip origination and destination information

Transit priorities/preferences were identified by questions including:

- Ranking 10-year priorities with respect to services, and transit facilities
- Identifying reasons that would encourage increased ridership
- Willingness to pay more for improved services
- Identifying a top corridor for premium transit service
- Ranking top transit destinations
- Support for a proposed increase in the local sales tax to support transit
- Recommendations for service area improvements
- Satisfaction with overall DTPW transit services

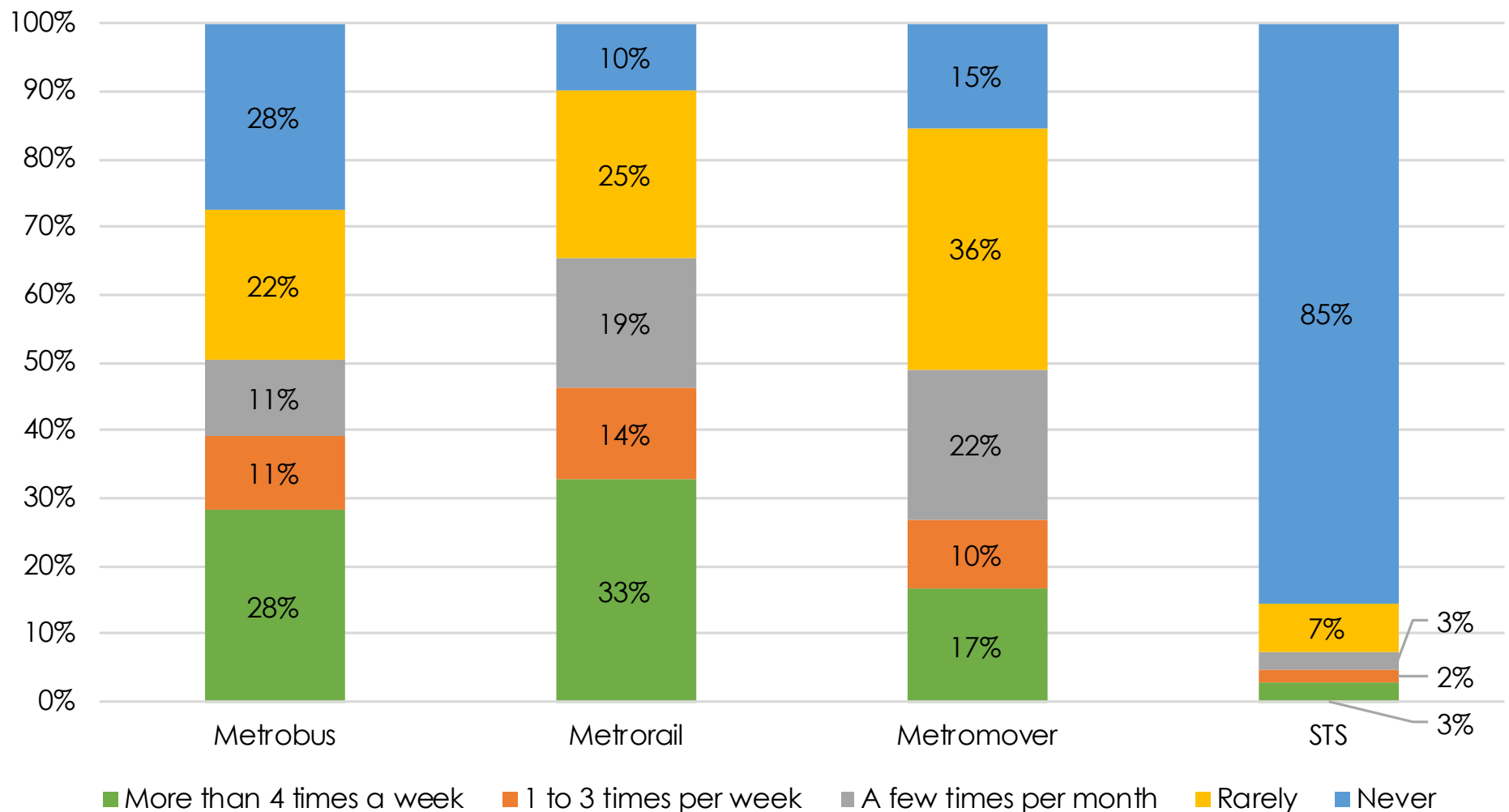
Socio-demographic information was identified by questions including:

- Household vehicle availability
- Age
- Gender
- Race/ethnic origin
- Household income



Figure 3-4 examines which transit mode respondents use most on a regular basis. Approximately 33 percent of the respondents use Metrorail more than four times per week. Meanwhile, approximately 28 percent use the Metrobus and 17 percent use the Metromover more than four times per week. Just about 3 percent of respondents were occasional Special Transportation Services (STS) users.

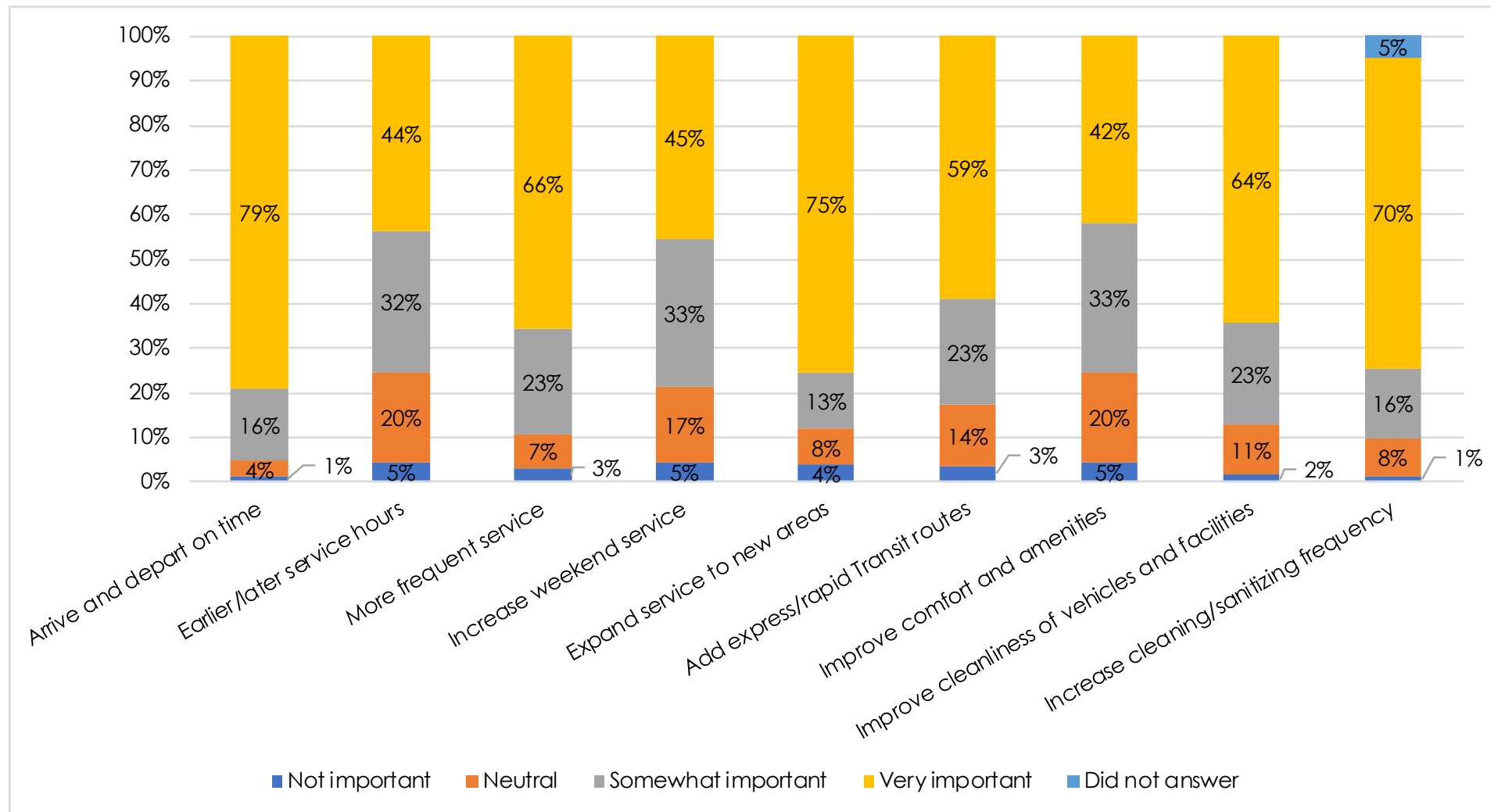
**Figure 3-4: Question 1: How Often Do You Use Miami-Dade Transit Services?**





When asked about service priorities for the next 10 years, respondents indicated on-time performance was the most important service priority, followed by expanding service to new areas and more frequent service. Figure 3-5 shows the distribution of these responses.

**Figure 3-5: Question 10: What Services Should Miami-Dade Transit Prioritize Over the Next 10 Years?**





When asked about facility-related priorities for the next 10 years, respondents indicated improving public health and safety was the most important facility priority, followed improved security and increasing seating capacity and standing room to allow for social distancing. Figure 3-6 shows the total breakdown of all service priorities.

**Figure 3-6: Question 11: What should Miami-Dade Transit's facilities-related priorities be for the next ten years?**

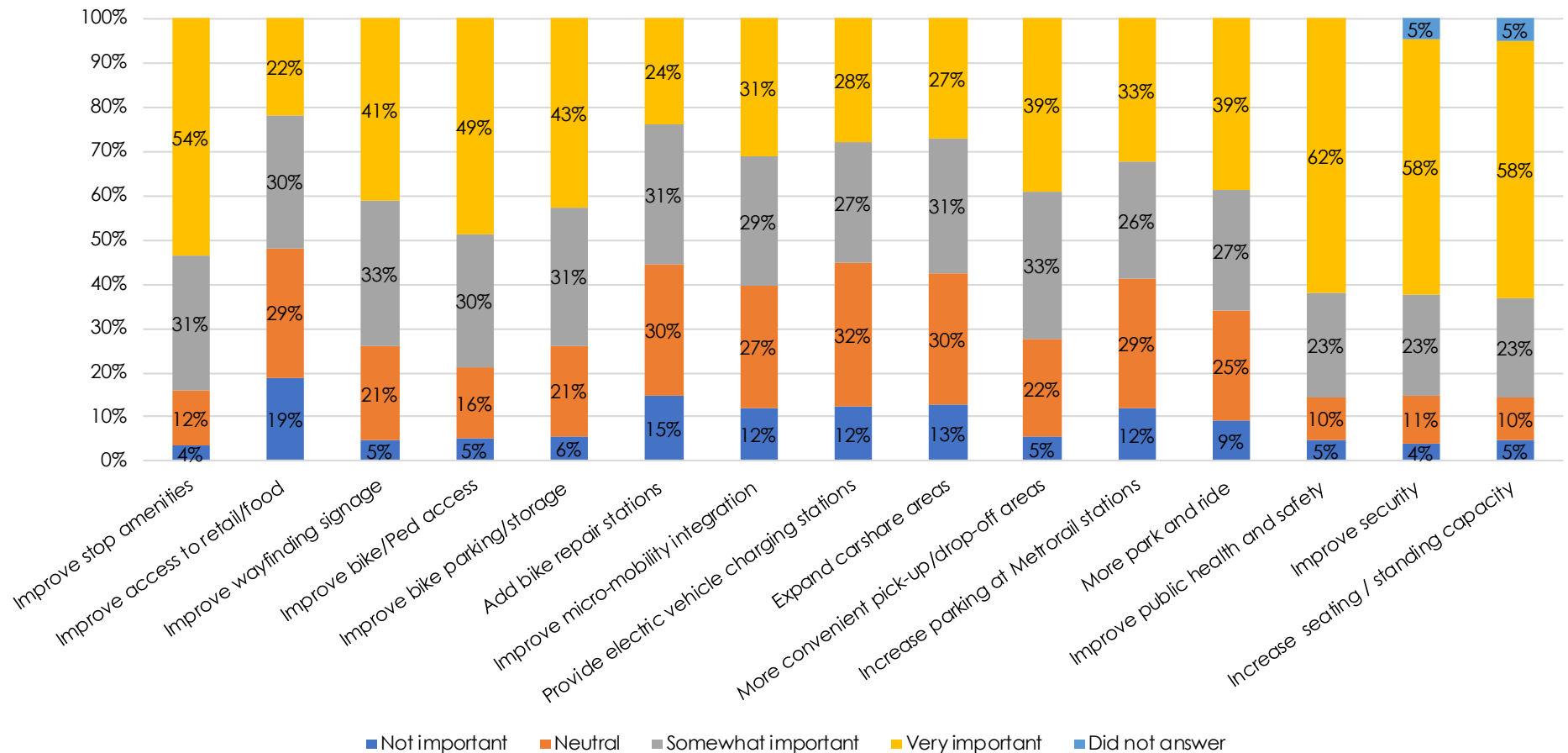
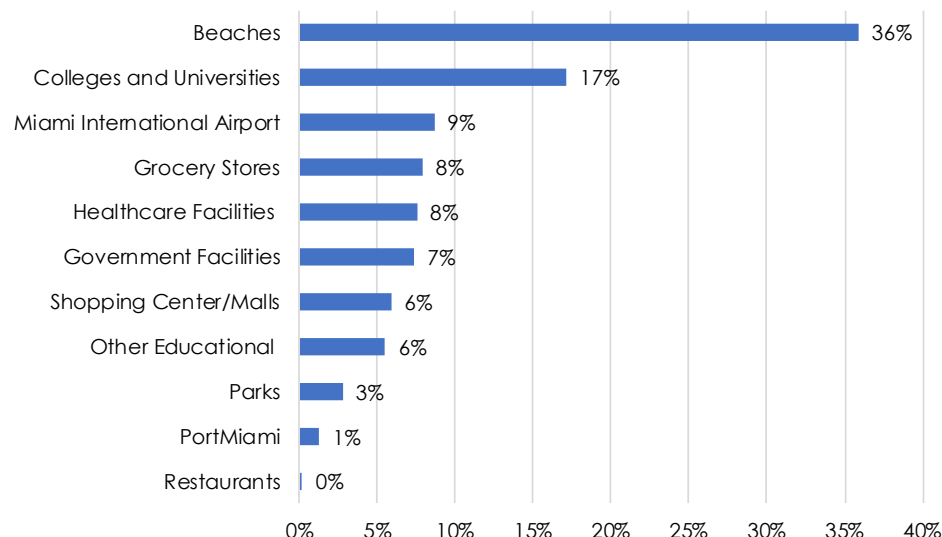






Figure 3-7 provides insight into what types of destinations respondents would like to travel to. The number one response was to provide service to Beaches followed by Colleges and Universities and the Miami International Airport. Please refer to Appendix A-7 for complete survey results.

**Figure 3-7: Question 18: Which of the Following Destinations Could Miami-Dade Transit Serve Better?**



### 3.6. Conclusion

This chapter of the TDP provided an overview of the outreach techniques used for this Covid-impacted APR, and documented the public feedback obtained. The public feedback is used to inform the TDP project development process, and decisions at DTPW overall. In a typical year, DTPW will jointly focus outreach efforts on digital and in-person efforts. However, due to this year's Covid-19 pandemic, face-to-face outreach was not used. With a focus on digital outreach, feedback was obtained via social media posts and survey responses.

Generally, feedback was consistent with past year's responses. DTPW is taking numerous actions to address the issues raised by survey takers. On-time arrivals and departures ranked as the most important priority. DTPW has been working to complete the Better Bus Project which seeks to streamline and reconfigure bus routes and headways. The conclusions of that study are expected to be adopted in 2020. The Better Bus Project is discussed in Chapter 5, Section 5.4.1. Moreover, DTPW has a stated on-time performance goal for each mode it operates, which is identified in Goal 1.2, on Page 4.3. Several routes were identified for modifications that will improve service frequency. These can be found in Chapter 6, Table 6-4: Transit Operations Projects. Survey respondents also cited cleaning and sanitation as a high priority for service, reflecting the impacts of Covid-19. Similarly, for stations and facilities, public health and safety were rated as the top priority, followed by improved security. Another highly ranked priority was for larger facilities, perhaps out of concern or adhering to social distancing guidelines. Examples of DTPW's reaction to the pandemic include distribution of masks to employees, boarding and alighting vehicles through different entrances, partitioning drivers from passengers, increased cleaning schedules, and more. A more detailed description of the response to the pandemic will be documented in the next edition of the TDP.

Finally, survey respondents expressed a desire for service to new areas. The most prioritized service areas were the beaches, followed by colleges and universities. Both of these destinations are currently the focus of attention by DTPW, which is actively planning improved services to these destinations through the SMART Plan. More information about these efforts to connect to Miami Beach and FIU's main campus can be found in Chapter 6, section 6.1: SMART Plan, including the Beach Corridor, East-West Corridor, and several BERT routes.



Figure 3-8: Passengers alighting a metrobus












### 4. 2019 PERFORMANCE ASSESSMENT

The Identification of goals and objectives for a transit agency establishes the framework within which the agency will pursue its TDP-inspired vision over time. In the 2019 TDP Major Update, DTPW developed specific goals and objectives with associated target values consistent with the Agency's Mission and Vision. The goals and objectives provide a benchmark for the assessment of various projects and initiatives that are proposed, planned, and implemented throughout the DTPW transit system. This chapter of the annual update analyzes DTPW's progress during 2019 towards achieving the goals set forth in the 2019 TDP Major Update.

The framework for the performance assessment is based on the following definitions:

- Goal – A long-term end toward which programs or activities are ultimately directed
- Objective – A specific, measurable, intermediate end that is achievable and allows measurement of progress toward a goal
- Target – A defined performance indicator for a specific measurement of progress toward an objective

Each target in this chapter is assigned one of three statuses, based upon DTPW's accomplishments in during 2019:

-  Yes - The target has been met
-  In Progress - Significant progress has been made towards meeting this target
-  No - The target is unmet

Information regarding ongoing progress and project completion dates is included in the narrative sections following each goal table.

## 4.1. Goal 1 – Improve Transit System Convenience and Reliability

Goal 1: Improve Transit System Convenience and Reliability				
Objective	Measure	Target	2019 Accomplishments	Status
1.1 - Increase miles of transit infrastructure	Infrastructure miles of fixed guideway, exclusive ROW or express lanes in Miami-Dade County	Increase  Currently: 35.1 miles	I-75/SR-826 Express Lanes - 12.7 miles SR-836 Bus-on-Shoulder - 8.5 miles  Total 56.3 Miles	✓ Yes

### 4.1.1. Express Lanes and Exclusive Right of Way

#### 4.1.1.1. I-75/SR-826 Express Lanes

This project consists of the implementation of tolled express lanes along SR-826 from SR-968/W Flagler Street to NW 154<sup>th</sup> Street and along I-75 from SR-826/Palmetto Expressway to NW 170<sup>th</sup> Street in Miami-Dade County. Overall improvements include one to two tolled express lane in each direction from W Flagler Street to north of NW 154<sup>th</sup> Street, and one tolled express lane in each direction along I-75 from the Palmetto Expressway to NW 170<sup>th</sup> Street, a new flyover connecting the SR-826/Palmetto Expressway and I-75 express lanes, installation of noise barrier walls at specific locations along I-75 and new lighting along the I-75 express lanes. Construction was completed in September 2019. The completed express lanes are shown in figure 4-1.



Figure 4-1: SR-826 Express Lanes

#### 4.1.1.2. NW Miami-Dade Express (Route 175, Bus Express Rapid Transit (BERT) Network Route C)

DTPW launched the NW Miami-Dade Express (Route 175) in November 2019. This is the first of the nine BERT Network routes to enter service. This route runs on designated express lanes on I-75 and SR-826 from the new Park-and-Ride facility located at I-75 and Miami Gardens Drive (near Florida's Turnpike) to the Palmetto Metrorail station. The route operates during weekdays, with buses running every 15 minutes during peak service hours.

#### 4.1.1.3. SR-836 Express Bus

To facilitate the SR-836 Express bus, 8.5 miles of bus-on-shoulder lanes have been added to the Dolphin Expressway in 2019. The SR-836 Express Bus route will provide premium express transit service from the proposed Dolphin Station (NW 12<sup>th</sup> Street and the Homestead Extension of Florida's Turnpike (HEFT)) to Downtown Miami via SR-836. Service headways will be 10 minutes during the AM/PM peak-hour. Route C will commence service on the inside shoulder of the expressway by mid-2020.



Goal 1: Improve Transit System Convenience and Reliability				
Objective	Measure	Target	2019 Accomplishments	Status
1.2 - Improve service availability	Percentage of missed pullouts	0% (Yearly Improvement) *	Current: 0.29% (Previously: 1%)	✓ Yes
	Mean distance between service failures	Metrorail: ≥ 39,000 miles	27,029 miles	✗ No
		Metrobus: ≥ 4,000 miles	4,850 miles	✓ Yes
		Metromover: ≥ 6,000 miles	4,450 miles	✗ No
	CAD/AVL installed and functioning on all transit service vehicles	100%	100%	✓ Yes
	On-Time Performance	Metrorail: ≥95%	94.60%	✗ No
		Metrobus: ≥78%	70.40%	✗ No **
		STS: ≥ 90%	88.80%	✗ No
1.3 - Improve customer satisfaction with DTPW service	Number of customer complaints per 100,000 boardings (per mode)	Metrorail: ≤ 1.5	5.05	✗ No
		Metrobus: ≤ 1.5	15.46	✗ No
		Metromover: ≤ 0.5	0.95	✗ No
		STS: ≤ 0.5	0.18	✓ Yes

\* While DTPW aspires to deliver zero missed pullouts, this represents an ideal condition which likely can not be achieved. Success is measured by achieving yearly improvement.

\*\* Changes to Metrobus Schedules needed in order to improve on-time performance are pending the outcome of the Better Bus Project. The Planning & Scheduling Division continues to evaluate historical running time data and update schedules accordingly. Schedules will continue to be revised and additional available buses will continue to be assigned to routes as necessary. It is likely that not all routes with on-time performance deficiencies will be addressed within the course of one line-up due to fiscal and equipment constraints. DTPW's fleet replacement program has resulted in improvements in on-time performance.





Goal 1: Improve Transit System Convenience and Reliability				
Objective	Measure	Target	2019 Accomplishments	Status
1.4 - Provide riders with more information	Real time ETA signage at multimodal stations and high ridership stops	Completed by November 2019	Work currently under way	In Progress
	Real time information available for 3rd party app developers, including General Transit Feed Specification (GTFS) and GTFS RealTime (GTFS RT)	Publish and maintain GTFS and GTFS RT feeds	Data feeds available at: <a href="https://www.miamidade.gov/global/transportation/open-data-feeds.page">https://www.miamidade.gov/global/transportation/open-data-feeds.page</a>	Yes
	Percent of transit service vehicles with wi-fi capability	Metrorail: 100%	100%	Yes
		Metrobus: 100%	100%	
		Metromover: 100%	100%	
	Enhance real time info on DTPW application	By FY 2020	Introduced GO Miami-Dade App	Yes
1.5 - Align transit service coverage with passenger demand	Average weekday boardings per mode	Metrorail: 65,000	62,141 (Previously: 65,857)	No
		Metrobus: 151,000	160,396 (Previously: 151,231)	Yes
		Metromover: 27,000	29,081 (Previously: 28,646)	Yes
	Revenue Hours of Transit Service	Metrorail: 360,670	359,148 (Previously: 339,929)	No
		Metrobus: 2,466,000	1,875,711 (Previously: 2,099,041)	No
		Metromover: 110,057	113,317 (Previously: 113,317)	Yes
		STS: 1,105,000	1,169,768 (Previously: 1,148,425)	Yes
	Committed bus service adjustments / improvements	80% consistency with adjustments planned in previous TDP	100%	Yes

#### 4.1.2. Real-Time ETA signage at Multimodal Stations and High Ridership Stops

DTPW has two projects currently under way which will deliver real-time ETA signage in 2020. These systems monitor data from Computer Aided Dispatch / Automatic Vehicle Location (CAD/AVL) devices to announce the next arrival time on electronic displays. Installation of new multi-color electronic signage in all Metrorail Stations and nine Metromover Stations is under way to provide information on train arrivals, and departures. The LED signs will be installed in conjunction with a new public address system project that will synchronize with the visual messages that will be displayed over the LED signage. The synchronization will provide improved ADA accommodation.



## 4.2. Goal 2 - Improve Customer Service

Goal 2: Improve Customer Service				
Objective	Measure	Target	2019 Accomplishments	Status
2.1 - Prepare and release an annual transit satisfaction survey	Completion of survey	Survey completed annually	2019 TDP Survey	✓ Yes
2.2 - Conduct regular on-board passenger surveys	Completion and frequency of survey	Survey conducted at least every 5 years Currently: Last completed in April 2013	Miami-Dade TPO survey planned for 2020	✗ No
2.3 - Conduct dedicated transit outreach programming	Number of outreach activities per year	≥ 6	56	✓ Yes
	Promotion of annual survey via social media	Monitor number of social media endorsements related to the annual survey	Facebook: 77 likes, 29 Comments and 15 Shares	✓ Yes
			Twitter: 96 likes, 11 conversions and 89 retweets	
2.4 - Increase regional coordination	Coordination meetings with BCT, PalmTran and Tri-Rail	≥ 90% attendance at regional transportation service meetings	SFRTA PTAC: 1 meeting SEFTC RTTAC: None	✗ No
	Tri-County Fare System Implementation/ Cross Promotion	Seamless transit fare system in operation by 2020	None	✗ No

\* 107 total social media posts were published between February 2019 to July 2019. These included 94 tweets (53 in English, 18 in Spanish and 23 in Creole) and 13 Facebook posts (7 in English, 3 in Spanish and 3 in Creole)

### 4.2.1. Seamless Transit Fare System

The four transit agencies in the region have halted the seamless transit fare system initiative temporarily, due to the rapid evolution of fare collection technologies. Concerns were raised that the originally proposed smart card system would quickly become obsolete. In addition, two transit agencies (PalmTran and BCT) are not currently integrated. The transit agencies have agreed to continue working towards an integrated fare system.



### 4.3. Goal 3 – Maximize Operational Safety and Security

Goal 3: Maximize Operational Safety and Security				
Objective	Measure	Target	2019 Accomplishments	Status
3.1 - Reduce transit vehicle accidents	Bus accident rate per 100,000 miles	≤ 3.778 per 100,000 miles	2.31 per 100,000 miles	✓ Yes
	Preventable bus accident rate per 100,000 miles	≤ 1.50 per 100,000 miles	1.84 per 100,000 miles	✗ No
3.2 - Make transit vehicles and facilities secure environments for customers	Number of transit facilities with camera surveillance	≥ 54 facilities	Metrorail: 22 Stations Metromover: 21 Stations Metrobus: 1 Station	✗ No
	Number of transit vehicles with camera surveillance	≥ 1,025 transit vehicles	29 Metromovers 754 Buses 484 Metrorail Trains	✓ Yes
	Number of security post inspections	≥ 800 per month	997 Per Month	✓ Yes
	Number of system-wide NTD Reportable Part One (1) Crimes (Serious) per 100,000 riders (monthly moving average)	≤ 0.3 per 100,000 riders	0.22 per 100,000 riders	✓ Yes
	Number of system-wide NTD Reportable Part Two (2) Crimes (Petty) per 100,000 riders (monthly moving average)	≤ 1.62 per 100,000 riders	0.22 per 100,000 riders	✓ Yes

#### 4.3.1. System-wide Safety and Security Upgrades

DTPW's commitment to the safety and security of the transit system, patrons, and employees is of the highest priority. To advance the safety and security of the system, DTPW has programmed funding to purchase security equipment to upgrade and install closed circuit camera television (CCTV) systems and respective software components, and to continue the replacement of fire detection and reporting systems. In an effort to further complement its existing security infrastructure, DTPW continues to aggressively add state-of-the art technology to both reduce crime and to aid law enforcement in proactively securing and safeguarding the transit system. FDOT Rule 14-15.017(2.2.1) prevents DTPW from disclosing these improvements/installations in greater detail.

DTPW will continue to enhance existing security equipment with the addition of 4K technology to the Metrorail and Metromover CCTV systems. The second phase of the CCTV project is slated to be complete by July 2021. Metromover will also have a new fire detection and reporting system installed in all Metromover stations and at the Stephen P. Clark Metromover Control Center. This new fire detection and reporting system is slated to be completed by January 2023.



## 4.4. Goal 4 - Enhance Integration of Transit Services to Support the Economy

Goal 4 - Enhance Integration of Transit Services to Support the Economy				
Objective	Measure	Target	2019 Accomplishments	Status
4.1 - Increase density of TOD at DTPW Metrorail, Transitway and park-and-ride stations through Public Private Partnerships (P3)	Committed square feet of commercial space in P3 TODs	Increase	3.56 million (Previously: 2.08 million)	✓ Yes
	Number of committed residential units in P3 TODs	Increase	4,990 (Previously: 3,933)	✓ Yes

### 4.4.1. Transit Oriented Development Projects

#### 4.4.1.1. Motion at Dadeland - Dadeland North Metrorail Station

DTPW partnered with the Adler Group and 13<sup>th</sup> Floor Investments to construct Motion at Dadeland, a 0.87-acre mixed-use development which opened on April 11, 2019. This TOD is a 25-story building that features 294 market rate rentals (studios and 1/2/3 bedroom), a parking garage with 411 spaces and approximately 7,500 SF of retail space in a multi-family community. The project cost was \$86 million.

#### 4.4.1.2. Luma at Miami Worldcenter - Freedom Tower Metrorail Station

DTPW partnered with Zom Living and The Moinian Group to construct Luma at Miami Worldcenter, a 1.65-acres 43-story TOD which commenced construction in April 2019. In August 2019, the foundation pour was completed, and the vertical phase of construction began in September. This TOD is a 43-story building that features 434 apartments. As a part of the development, the developer will reconstruct the Freedom Tower Metromover station integrating it into the rest of the development.

#### 4.4.1.3. Link at Douglas - Douglas Road Metrorail Station

DTPW partnered with Adler Group and 13<sup>th</sup> Floor Investments to construct Link at Douglas, five-tower mixed-use development which broke ground in April 2019. This project, which will be built in phases over the next five years on seven acres of land, will have 1,421 residential units including a workforce housing component (12%), 25,000 SF of retail space, a 251,873 SF office building and a public plaza that will connect with The Underline. The development is located in the area bounded by SW 37<sup>th</sup> Avenue on the east and SW 38<sup>th</sup> Avenue on the west, between US-1 and Peacock Avenue. As part of the partnership with DTPW, the Adler Group and 13<sup>th</sup> Floor Investments will contribute more than \$17 million in improvements to the Douglas Road Metrorail station and approximately \$1 million toward the development of The Underline. Overall, Link at Douglas is expected to generate approximately \$500 million in new revenue for Miami-Dade County.

**Table 4-1: Existing Transit Oriented Developments**

TOD	Commercial		Residential			
	Office (SF)	Retail (SF)	Market Rate	Affordable Housing	Senior Housing	Workforce
Dadeland South	747,942	44,921				
Dadeland North		384,908	462			
South Miami	194,050	14,000	102			
Douglas Road	430,000	76,000	1,375			
Coconut Grove		170,000	302			
Government Center	630,000	21,000				
Overtown	610,000	4,000	240			360
Santa Clara				412		
Allapattah				128		
Brownsville		6,400		566		
MLK	172,000	13,500				
Northside		20,000		219	228	
NW 7 <sup>th</sup> Avenue				176		
Quail Roost (SW 186)		10,000		250		
Caribbean		12,500		170		
<b>Total</b>	<b>2,783,992</b>	<b>777,229</b>	<b>2,481</b>	<b>1,921</b>	<b>228</b>	<b>360</b>
<b>Grand Total</b>	<b>3,561,221</b>		<b>4,990</b>			



#### 4.4.1.4. Caribbean Village – South Miami-Dade Transitway

DTPW partnered with Pinnacle and the South Miami Heights Community Development Corporation to construct Caribbean Village, a 3.2-acre affordable mixed-use transit-oriented community for seniors. The community is located at 19755 SW 110<sup>th</sup> Court on the north side of Caribbean Boulevard between SW 110<sup>th</sup> Court and SW 200<sup>th</sup> Drive. The development is a seven-story residential building with 123 residential units, a surface parking lot and a transit park-and-ride facility located on site. The project was completed in December 2019 and is expected to open in February 2020.

#### 4.4.1.5. Northside Transit Village – Freedom Tower Metrorail Station

Construction of Phase II of the Northside Transit Village was completed in 2019. This is a four-phased project and includes two family and two senior developments consisting of approximately 438 total units ranging from one bedroom to four-bedroom units and approximately 20,000 square feet of retail/commercial space and a multi-level parking garage with 250 dedicated Metrorail parking spaces. Phase I was completed in 2015, with 100 apartments, a parking garage and ground floor retail. Phase II consists of 119 affordable housing units for seniors and additional retail space. Northside Transit Village is located on the southeast corner of NW 32<sup>nd</sup> Avenue and NW 79<sup>th</sup> Street. The total estimated development cost is \$88.1 million.

#### 4.4.1.6. Omni Bus Terminal - Adrienne Arsht Center Metromover Station

DTPW has partnered with Resorts World Miami LLC to build a 0.99 acre mixed-use transit-oriented development, which broke ground in 2019. This revenue-generating development will include a 300-key hotel, residential service apartments, and ground floor retail. This will promote maximum use of the transit system and provides functional and aesthetic integration of the Metromover station and bus terminal into the overall project. The developer will invest \$16.4 million to perform the following upgrades: additional bus bays, enclosed air-conditioned waiting areas, upgraded operator restrooms and lounges, platform tile replacement, improved station lighting, replacement of existing escalator and elevator, and renovation of the pedestrian bridge spanning NE 15<sup>th</sup> Street. Construction is expected to be completed by Fall 2021.

Goal 4 - Enhance Integration of Transit Services to Support the Economy				
Objective	Measure	Target	2019 Accomplishments	Status
4.2 - Provide transit access to major attractors in Miami-Dade County	Miles of service within 1/4 mile of attractors	Healthcare: 50 miles	64 Miles	✓ Yes
		Tourist/Special Attractors: 300 miles	141 Miles	✗ No
		Education: 100 miles	93 Miles	✗ No
		Employment Areas: 40 miles	230 Miles	✓ Yes
		Retail Centers: 90 miles	90 Miles	✓ Yes
4.3 - Improve access to universities and colleges	Catchment area of routes which connect to major universities and colleges	220.69 square miles	236.18	✓ Yes

## 4.5. Goal 5 – Provide Transit Services that Reduce the Impact on the Environment

Goal 5: Provide Transit Services that Reduce the Impact on the Environment				
Objective	Measure	Target	2019 Accomplishments	Status
5.1 - Increase percentage of fleet that uses alternative fuels	Percent of fleet that uses alternative fuels	Increase	63% (Previously: 59%)	✓ Yes
5.2 - Incorporate solar panels on DTPW facilities	Complete a study to assess potential of installing solar panels on DTPW-owned facilities	Complete assessment by 2024	DTPW has recently taken over the Dolphin Park and Ride which is equipped with a Solar Power system. DTPW is in the process of incorporating Net-Metering to be able to monitor through the County-Wide Energy Cap system. DTPW will review the data available at the end of 2020 to determine the feasibility of incorporating solar installations at other DTPW facilities.	▶ In Progress
	Partner with utilities and solar advocacy groups to install solar panels at DTPW facilities	Coordinate to investigate possible programs by 2020	None	✗ No

### 4.5.1. Alternative Fuels

In 2018, DTPW began to replace 300 of the 773-vehicle bus fleet with new 40-foot Compressed Natural Gas (CNG) vehicles. In early November 2019, DTPW accepted the last of these new CNG buses into revenue service.

In October 2019, the Miami-Dade County Commission unanimously approved the purchase of 33 electric-powered, zero emission buses and charging systems. These will be the first electric buses in Miami-Dade County's fleet and contributes to the ongoing fleet modernization.

DTPW has an option to purchase up to an additional 42 alternative fuel buses. These new vehicles are slated to be in service by January 2022. DTPW will also purchase 65 articulated 60-foot Battery-Electric zero emission buses, and has an option to purchase up to an additional 35 articulated 60-foot Battery-Electric zero emission buses. These new vehicles are slated to be in service by the end of December 2021.



### 4.5.2. Solar Panels on DTPW Facilities

A solar feasibility study for Miami-Dade County, released in October 2018, evaluated the feasibility of on-site solar energy generation and use at County properties. With technical assistance from the U.S. Department of Energy's National Renewable Energy Laboratory (NREL), the initial screening revealed 238 County facilities had suitable roof areas for photo-voltaic (PV) panels. Potential installation of PV panels at the facilities were determined to have a total solar PV capacity of 61,725 kW and an annual solar energy production of 87,855,519 (87.8 million) kWh. Solar PV technology has been integrated into many facilities throughout the County, including parks, school crosswalks and over 900 bus shelters.





## 4.6. Goal 6 – Maximize Use of Funding Sources

Goal 6: Maximize Use of All Funding Sources				
Objective	Measure	Target	2019 Accomplishments	Status
6.1 - Achieve a sustainable transit financial plan that maximizes existing funding and pursues innovative and new funding sources	Status of transit financial plan	Apply for state and federal grant	DTPW applied for 21 state and federal grants in 2019. DTPW was awarded \$22,319,413 in state funding from FDOT and \$148,174,975 in FTA agreements.	✓ Yes
6.2 - Reduction in operations unit cost per revenue mile	Change in cost per revenue mile	Reduce by 2024	-1.96% (\$10.98 in 2019 vs. \$11.20 in 2018)	✓ Yes
	Change in cost per revenue hour	Reduce by 2024	+4.5% (\$156.06 in 2019 vs. \$149.31 in 2018)	✗ No

### 4.6.1. Innovative and New Funding Sources

In 2019, DTPW submitted proposals for 20 state and federal grants. Two proposals were submitted to the FY 2019 BUILD Transportation Grants Program. This is a federal program for planning and capital investments in surface transportation infrastructure. Grants are to be awarded on a competitive basis for projects that will have a significant local or regional impact. The two proposals requested \$12.625M (25%) for the refurbishments and enhancements to the existing Dadeland South Metrorail Station and \$22,360,552 (22.62%) for the remaining unfunded transportation costs in order to complete the Underline. On November 11, 2019, DTPW was awarded funding for the Underline project.



Goal 6: Maximize Use of All Funding Sources				
Objective	Measure	Target	2019 Accomplishments	Status
6.3 - Identify alternative project delivery methods	Alternate Delivery projects: Public-Private Partnerships, Transportation Infrastructure Finance and Innovation Act (TIFIA), State Infrastructure Bank Loans, Design Build, Operate and Maintain, and Design Build Finance Operate and Maintain	Completion of two projects delivered through alternative methods by 2024	1. Golden Glades Multimodal Transportation Facility - Design-Build project. The project commenced in 2018 and is scheduled to be completed in 2021.	In Progress
			2. Ludlam Trail Corridor Phase 1 under construction, scheduled to be completed in Summer 2020.	
6.4 - Increase passenger fare revenue	Farebox Recovery Ratio	Increase	FY18: 15.2% FY 19: 15.9%	Yes
	Conduct a fare policy analysis and evaluate alternate fare models (distance/zone models)	Conduct study	None	No

## 4.6.2. Design-Build Projects

### 4.6.2.1. Golden Glades Multimodal Transportation Facility (GGMTF)

The GGMTF project is located in northern Miami-Dade County on two FDOT-owned Park-and-Ride lots adjacent to the cities of Miami Gardens, North Miami Beach, North Miami and the Golden Glades Community. The GGMTF, a design-build project, will consolidate the existing bus transit services at the two Golden Glades Park-and-Ride lots into a single facility adjacent to the Tri-Rail Station. This project will transform the park-and-ride into a state-of-the-art transit terminal with a multi-bay bus facility upgraded walkways, platforms, bicycle/pedestrian amenities as well as other improvements related to transit operations, including internal roads, drainage, lighting systems, fencing, wayfinding, and traffic control signage. The GGMTF will feature a multi-story parking garage, kiss-and-ride, and plenty of surface parking lots for all types of motorists, including scooters and motorcycles. Other amenities will include bicycle parking and lockers. The complex will also feature a transit hub, future governmental use development building, a break lounge for bus drivers, and future governmental use intercity bus terminal. Construction began in August 2018 and is anticipated to end in May 2021.



### 4.6.2.2. Ludlam Trail Corridor

The Ludlam Trail is progressing through a P3 that will transform a 6.2-mile length of the former Florida East Coast railroad corridor from the Blue Lagoon to SR-878 into a bicycle and pedestrian friendly urban park and public space, complemented by trail-oriented development aimed at activating the corridor at strategic locations. The Ludlam Trail will connect over 35,000 people within a half-mile radius to five schools, four parks, and two transit hubs, along with residential and commercial areas. Once fully operational, the Ludlam Trail will form an integral part of the 225-mile planned Miami Loop, a network of planned trails that also includes The Underline, Miami River Greenway and the Perimeter Trail.

Miami-Dade County will construct 80% of the trail segment while the developers will also design and build a half-mile-long segment of the trail and maintain it at no cost to taxpayers. In 2018, the Miami-Dade Commission approved the \$25 million purchase of 80% of the rail corridor and further secured about \$27 million of the \$94 million construction cost. Phase I is under construction and is scheduled to be completed in 2020.



## 4.7. Goal 7 – Expand Transit Services

Goal 7: Expand Transit Services				
Objective	Measure	Target	2019 Accomplishments	Status
7.1 - Implement the Strategic Miami Area Rapid Transit (SMART) Plan Rapid Transit Network	Beach Corridor	Progress toward three milestones:  1. Locally Preferred Alternative (LPA);  2. Inclusion of the SMART Plan projects in the TDP and other planning documents;  3. Implementation of the projects upon funding availability	1. PD&E study concluded, recommending elevated automated rail transit for the trunk line, automated people mover for the Midtown/Design District portion, and Bus/Trolley in dedicated lanes on Miami Beach. Adoption of LPA expected in January 2020. 2. Included in TDP Implementation Plan, the TPO TIP, and the 2045 LRTP.	In Progress
	East-West Corridor		1. PD&E study nearing completion, and a recommended alternative is expected to go to the TPO board in 2020. 2. Included in TDP Implementation Plan, the TPO TIP, and the 2045 LRTP.	In Progress
	Kendall Corridor		1. Curbside Bus Rapid Transit (BRT) was identified as the recommended alternative for the Kendall corridor in 2019. Endorsement of the recommended alternative is expected in Fall 2020. 2. Included in TDP Implementation Plan, the TPO TIP, and the 2045 LRTP.	In Progress
	North Corridor		1. Elevated Heavy Rail selected as the LPA by the TPO Governing Board in October 2019. DTPW is conducting an additional analysis on the various transit technologies for the North corridor, and results are expected to be presented to the TPO in March 2020. 2. Included in TDP Implementation Plan, the TPO TIP, and the 2045 LRTP.	Yes
	Northeast Corridor		1. FDOT District 4 is managing the PD&E study which is nearing completion and will deliver a report in 2020. 2. Included in TDP Implementation Plan, the TPO TIP, and the 2045 LRTP.	In Progress
	South Corridor		1. The TPO Governing Board selected BRT as the LPA in August 2018. 2. Included in TDP Implementation Plan, the TPO TIP, and the 2045 LRTP. 3. FTA Small Starts Grant application was submitted in August 2019 for \$100 Million. Grant agreement expected in Spring 2020. Issued Request for Proposals (RFP) for design build services in June 2019.	Yes



Goal 7: Expand Transit Services				
Objective	Measure	Target	2019 Accomplishments	Status
7.2 - Implement the SMART Plan BERT Network	Flagler Corridor	Progress toward three milestones:  1. Locally Preferred Alternative (LPA) as needed;  2. Inclusion of the SMART Plan projects in the TDP and other planning documents;  3. Implementation of the projects upon funding availability.	1. Flagler Corridor PD&E study is refining recommended alternatives, expecting TPO endorsement in 2020. 2. Included in TDP Implementation Plan, the TPO TIP, and the 2045 LRTP.	In Progress
	South Miami-Dade Express		1. BERT Network PD&E study received Notice to Proceed (NTP) March 2019. 2. Park-and-Rides Included in TDP Implementation Plan and the 2045 LRTP.	In Progress
	Northwest Miami-Dade Express		1. BERT Network PD&E study received NTP March 2019. 2. Included in TDP Implementation Plan and the 2045 LRTP. 3. I-75 & Miami Gardens Dr. Park-and-Ride Lot opened Spring 2019. Service initiated November 2019.	Yes
	Southwest Miami-Dade Express		1. BERT Network PD&E study received NTP March 2019. 2. Included in TDP Implementation Plan and the 2045 LRTP. Park-and-Ride included in TDP Implementation Plan and the 2045 LRTP.	In Progress
	Florida's Turnpike Express (North)		1. BERT Network PD&E study received NTP March 2019. On March 21, 2019 the TPO passed Resolution # 26-19 to amend the SMART plan to extend the limits of Florida's Turnpike Express (North), to connect to the North corridor. 2. Included in TDP Implementation Plan and the 2045 LRTP. Park-and-Rides Included in TDP Implementation Plan and the 2045 LRTP.	In Progress
	Florida's Turnpike Express (South)		1. BERT Network PD&E study received NTP March 2019. 2. Included in TDP Implementation Plan and the 2045 LRTP.	In Progress
	Beach Express North		1. BERT Network PD&E study received NTP March 2019. 2. Included in TDP Implementation Plan and the 2045 LRTP.	In Progress
	Beach Express Central		1. BERT Network PD&E study received NTP March 2019. 2. Included in the 2045 LRTP.	In Progress
	Beach Express South		1. BERT Network PD&E study received NTP March 2019. 2. Included in the 2045 LRTP.	In Progress
7.3 - Increase service frequency on high demand bus routes	Number of route improvements or adjustments to top 10 routes	Increased frequency on 10% of top 10 routes from previous year	2018 top 10 Routes by ridership: 119, 11, 112, 77, 38, 27, 120, 3, 9, 8 No route frequency increases in 2019	No





#### **4.7.1. Bus Express Rapid Transit Service**

The BERT network is an integral element of the SMART Plan. In 2019, two projects were initiated in the northwest part of the county - the implementation of a new BERT service, and the extension of an existing route. Additionally, several new park-and-rides have opened, are under construction, or are being proposed to support these new routes. All of the projects listed below are shown in Figure 5-1: The SMART Plan.

##### **4.7.1.1. I-75 NW Miami-Dade Express**

On November 18, 2019, the first BERT Network corridor opened to riders, the I-75 NW Miami-Dade Express. The route runs from the Miami Gardens Drive Park-and-Ride to the Palmetto Metrorail Station along the I-75 and SR-826 Express Lanes. It provides a rapid transit option not only for residents in northern Miami-Dade County, but also for Broward County residents wanting to travel to points south such as downtown Miami.

##### **4.7.1.2. Florida's Turnpike Express (North) BERT corridor**

In 2019 the Miami-Dade TPO coordinated the extension of the corridor limits to better serve residents and increase ridership. The Miami-Dade TPO Governing Board amended the SMART Plan to include this extension that provides a continuous connection from the recently opened Miami Gardens Drive Park and Ride just west of I-75 to NW 27<sup>th</sup> Avenue (northern termini of the North Corridor).

##### **4.7.1.3. Miami Gardens Drive Park and Ride**

Supporting these two BERT corridors, the Miami Gardens Drive Park and Ride is a new, key northwest transportation hub. This facility is equipped with 300 short-term parking spaces, including accommodations for motorcycles and bicycles. It also includes five bus bays, a continuous canopy, and LED lighting.

##### **4.7.1.4. Beach Express North - I-195 Bus on Shoulder**

Service for the Beach Express North is scheduled for 2023. To support this service FDOT's infrastructure improvement along the Julia Tuttle Causeway/I-195 includes increasing the width of the inside paved shoulders and reducing the widths of the center and inside travel lanes and reconstructing the inside shoulder to allow Bus On Shoulder (BOS) operations. FDOT anticipates that the construction of the inside shoulder will begin in July 2022. The BOS operation will allow DTPW buses to use the Julia Tuttle Causeway shoulder to bypass traffic during peak period congestion. Upon completion of the infrastructure improvement and fulfillment of all related study requirements, all DTPW bus routes will be able to use the BOS operation. Additionally, DTPW is coordinating with the Cities of Miami, Miami Beach, FDOT and FHWA to implement interim service of this route in 2021. The interim service will use the outside shoulder along I-195. FDOT is conducting milling and resurfacing work along the outside shoulder for the interim service. These infrastructure improvements are anticipated for construction in Mid 2021. Additionally, DTPW is finalizing planning work and community outreach in order to implement the interim service.



## 4.8. Goal 8 – Enhance Integration and Connectivity of Transit Systems Across Modes

Goal 8: Enhance Integration and Connectivity of Transit Systems Across Modes				
Objective	Measure	Target	2019 Accomplishments	Status
8.1 - Improve local, first/last mile connectivity and convenience	Incorporate recommendations from the TPO Study First Mile - Last Mile Options with High Trip Generator Employers	Develop action plan to incorporate recommendations by 2024	1) New exclusive bus lanes on SR-836 and SR-874/878. 2) Level boarding incorporated into design for South Dade transitway corridor. 3) Installation of Transit Signal Priority (TSP) capabilities under way county-wide. 4) Seven Smart Plan Demonstration Projects initiated	 Yes

### 4.8.1. Transit Signal Priority

Transit Signal Priority (TSP) is an advanced signalization system that provides Metrobus vehicles equipped with real-time tracking technology priority passage through intersections to improve their on-time service.

To date, DTPW has installed 284 smart signals along ten county corridors as part of a larger five-year, \$11 million Traffic Signal System Modernization Project to improve mobility along the County's ten busiest corridors. Before-and-after studies are showing travel time savings for drivers on these corridors. DTPW is working on an additional \$160 million project to upgrade the rest of the County's traffic signal system which has approximately 3,000 signalized intersections. Improvements will include smart signals and TSP.

The 10 County corridors where smart signals have been installed are:

- NW 36<sup>th</sup> Street – from NW 71<sup>st</sup> Avenue and NW 84<sup>th</sup> Avenue.
- Miami Gardens Drive (NW 183<sup>rd</sup> Street) – from Bobolink Drive to NW 87<sup>th</sup> Avenue.
- NW 163<sup>rd</sup> Street – from NE 19<sup>th</sup> Avenue to NW 2<sup>nd</sup> Avenue.
- Indian Creek Drive – from 63<sup>rd</sup> Street to 88<sup>th</sup> Street.
- Biscayne Boulevard – from NE 11<sup>th</sup> Street to NE 82<sup>nd</sup> Street.
- West Flagler Street – from 43<sup>rd</sup> Avenue to Milam Dairy Road.
- LeJeune Road – from Anastasia Avenue to Minorca Avenue.
- SW 27<sup>th</sup> Avenue – from Bayshore Drive to SW 16<sup>th</sup> Street.
- SW 88<sup>th</sup> Street (Kendall Dr.) – from SW 112<sup>th</sup> Avenue to SW 172<sup>nd</sup> Avenue.
- U.S. 1 – from SW 16<sup>th</sup> Avenue and SW 98<sup>th</sup> Street.
- U.S. 1 – from SW 104<sup>th</sup> Street and SW 344<sup>th</sup> street (including the South Dade TransitWay between Florida City and the Dadeland South Metrorail station).

### 4.8.2. Waze Carpool

In September 2019, DTPW partnered with Waze Carpool to provide free carpool rides to and from anywhere in Miami-Dade County by using the Waze Carpool app. Waze Carpool is an innovative way for commuters to share the road and the costs. It connects drivers and riders with similar destinations by pairing them on the most optimal routes. Users can choose a rider, or a driver based on personal profile and customize their carpool based on selected filters for time and date, gender, and preferred routes. Free rides were offered during the week of September 23-27. Subsequent rides will cost \$2 from anywhere within the County.

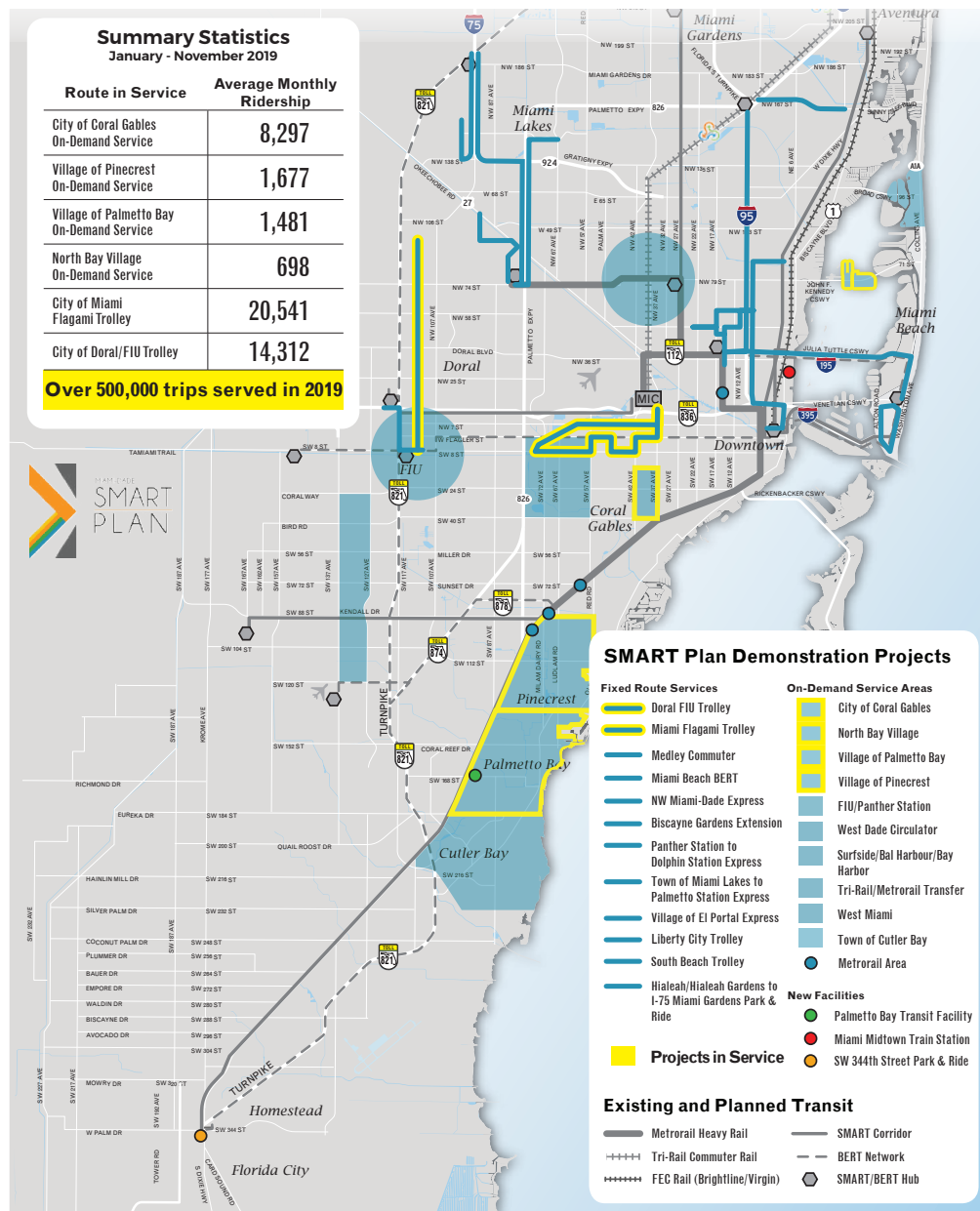
### 4.8.3. SMART Plan Demonstration Projects

The last quarter of 2019 brought forward a major collaboration between the Miami-Dade TPO, several municipalities, and County agencies to fund FY 2019 SMART Demonstration Projects. All FY 2019 applications were accepted and funded totaling over \$17 million in local, state, and federal funds.

Five SMART Plan Demonstration Program projects opened in 2019, as well as the addition of one new BERT route, and a new park and ride facility in the northwest area of Miami-Dade County.

- **Coral Gables Flex Service** - focuses on first and last mile connectivity. The service includes electric vehicles providing on-demand service from the Douglas Metrorail Station to the Coral Gables service area.
- **Pinecrest Transit way Circulator** - electric vehicles providing on-demand service focusing on first and last mile connectivity to and from the South Dade Transitway.
- **Miami Gardens Drive Park and Ride** - this new park-and-ride facility services commuters by providing them with the NW Miami-Dade Express Bus service to the Palmetto Metrorail Station.
- **Palmetto Bay On-Demand Service** – this service provides first and last mile connectivity using on-demand electric vehicle service to and from the South Dade Transitway.
- **Palmetto Bay Transit Facility** - this new facility opened to alleviate overflow parking occurring at other locations along the South Dade Transitway accommodating more users.
- **North Bay Village SMART Feeder Route** - on-demand service of electric vehicles focuses on first and last mile connectivity to various SMART Plan stops along Biscayne Boulevard.
- **NW Miami-Dade Express & Station** - The NW Miami-Dade Express Bus Service limits were extended to connect the Miami Gardens Drive Park and Ride to the Palmetto Metrorail Station.

Figure 4-2: SMART Plan Demonstration Projects operating in 2019



Goal 8: Enhance Integration and Connectivity of Transit Systems Across Modes				
Objective	Measure	Target	2019 Accomplishments	Status
8.2 - Improve Regional Connectivity	Number of routes connecting to regional transit (MIC, Miami Central, Tri-Rail, Amtrak, and Greyhound services)	Increase Currently: <b>25 Routes</b> (7, 22, 32, 37, 42, 57, 77, 95, 10, 110, 112, 132, 135, 146, 150, 155, 195, 196, 211, 238, 277, 297, 338, Metrorail, Metromover)	<b>28 Routes</b> (7, 22, 32, 36, 37, 42, 57, 77, 10, 95 Express Broward Express, 95 Express Civic Center, 95 Express Sheridan Street, 105, 110, 112, 132, 135, 150, 155, 195, 196, 211, 238, 242 Night Owl, 277, 297, 338, 836 Express, Metrorail, Metromover)	✓ Yes
8.3 - Improve service accessibility for non-motorized modes and users	Implement bike share at all Metrorail and Metromover stations	100% of stations by 2024	50%	▶ In Progress
	Integrate bike share payments into EASY network	Complete by 2024	Currently under development with third party (Cubic, Inc)	✓ Yes
	Increase bicycle/ electric scooter parking at all Metrorail and Metromover stations	237 installed by 2024	95 Bike Lids have been installed at 11 Stations	✓ Yes

## 4.8.4. Bike Share Program

Ride On was recently selected by Miami-Dade County to be the exclusive provider of bicycle sharing services at all its transit facilities, including Metrorail and Metromover. The initial 2018 phase featured more than 2,000 e-bikes at 120 stations. Ride On utilizes a proprietary integrated software that connects e-bikes with the Ride On website, the user's smartphone app and the recharging stations.

## 4.8.5. Bicycle Parking at Metrorail Stations

DTPW ordered and received 237 bicycle locker replacements for all Metrorail stations in January 2019. By the end of December 2019, 95 of the 237 bike lids had been installed at 11 Metrorail stations. The remaining 142 lids are projected to be installed in other Metrorail Stations and Park and Rides in 2020. Table 4-2 provide a list of Metrorail stations where new lids have been installed.

Figure 4-3: Bike lids at Okeechobee station




Table 4-2: Bike Lid Installations




Facility	Bike Lids Installed
Dadeland South Station	6
South Miami Station	16
Vizcaya Station	18
Douglas Station	6
Tri-Rail Station	2
Hialeah Station	10
Okeechobee Station	5
Earlington Heights Station	4
University Station	6
Culmer Station	12
I-75 Park and Ride	10





Goal 8: Enhance Integration and Connectivity of Transit Systems Across Modes				
Objective	Measure	Target	2019 Accomplishments	Status
8.4 - Reduce reliance on park-and-ride facilities by providing additional access options to DTPW transit facilities	Establish partnerships first/last mile service providers	5 partnerships established by 2024	Published RFP for On-Demand service to/from Metrorail stations	 In Progress
			Partnered with WAZE for a six month carpool program	
			Partnered with Uber and Visa to pilot a free open payment on-demand service at Dadeland South for one week	
			Partnered with Ford to study community feedback to improve first/last mile transit	

## 4.9. GOAL 9 – Ensure Equity in Transit Services

Goal 9: Ensure Equity in Transit Services				
Objective	Measure	Target	2019 Accomplishments	Status
9.1 - Reduce dependence on STS by improving service for transit dependent population	Increase route miles serving areas with a high density of persons with a disability	Increase by 2024 Currently: 399 miles	411 miles	 Yes
	Increase percentage of DTPW stops that are ADA accessible	Increase by 2024 Currently: 1,025, 48.6%	Contract for an additional 360 stops to be awarded on May 1, 2020. Completion scheduled May 2023	 In Progress
	Implement travel training program to teach passengers with disabilities how to use fixed route service	Implement training program by 2024	None	 No



## 4.10. GOAL 10 – Maintain Existing Transit System in a State of Good Repair

Goal 10: Maintain Existing Transit System in a State of Good Repair				
Objective	Measure	Target	2019 Accomplishments	Status
10.1 - Increase capital expenditure on Infrastructure Renewal Program (IRP)	10% of deferred maintenance of funded IRP projects	10% achieved	19%	✓ Yes
10.2 - Reduce Average Fleet Age	Average Metrobus fleet age	≤ 7.5 years	5.4 years	✓ Yes
	Average Metrorail fleet age	≤ 12 years	10.0 years	✓ Yes
	Average Metromover fleet age	≤ 15 years	9.7 years	✓ Yes

\*DTPW Metrobus and Metrorail replacement programs have contributed to reducing average fleet age with the replacement of aging fleet based on the FTA's bus retirement criteria (500,000 miles/12 years) with new fleet.

### 4.10.1. Metrorail New Vehicle Replacement

In March 2008, The Miami-Dade BCC and the CITT approved the \$380 million procurement of 136 new replacement rail vehicles. The new vehicles, which are assembled at the Hitachi Manufacturing Facility in Medley, feature the latest technological advances which will significantly improve passenger comfort, efficient maintenance and operations. The first vehicles were put into revenue service in November 2017, with the final vehicles planned for delivery in 2020. Fifty train cars (25 married pairs) entered service in 2019, increasing the total number of train cars in revenue service to 96 (48 married pairs).

### 4.10.2. Metrobus New Vehicle Replacement

Since October 2016, DTPW has engaged in an effort to reduce the average metrobus fleet age by acquiring 2019 buses. In 2019, 24 CNG powered buses were purchased, advancing DTPW towards a cleaner fleet.



## 4.11. Consistency Analysis

A listing of DTPW's committed bus service improvements and adjustments planned for 2019 was included in the previous years TDP. A consistency analysis of these commitments is being performed for this TDP to assess and measure DTPW's adherence to implementation plans presented in the 2019 Major Update.

The results of the consistency analysis for improvements implemented between January and December 2019 is presented in Table 4-4. Each of the service changes are identified according to whether it was a programmed commitment of the FY 2020– 2029 TDP Major Update as indicated with a check mark (✓) or an additional change not included in the TDP Annual Update as marked by an asterisk (\*). Any committed changes which were not made are marked with an X.

Between June and November of 2019, DTPW made a total of 24 bus and rail service improvements and adjustments. Among these adjustments were 7 improvements that were not part of the TDP Annual Update. The 2020 TDP Major Update anticipated 17 bus service improvements and adjustments. Of these, all 17 were implemented as expected in 2019, resulting in a 100% level of consistency.

**Table 4-3: Consistency Analysis**

Route	Service Change	Type: A (Adjustment) I (Improvement) R (Reduction)	Start Date	2019 TDP Consistency
34	Add trip northbound from 344 <sup>th</sup> St Park-and-Ride at 6:40 A.M. to address over-crowding	I	11/2019	✓
175	BERT Route from I-75/Miami Gardens Drive Park-and-Ride to Palmetto Station using express lanes. 15 minute frequency from 5:30 A.M. - 9:30 A.M. and 3:30 P.M. - 7:30 P.M. weekdays.	I	11/2019	✓
32	Adjust weekday running times.	A	06/2019	✓
36	Adjust Saturday running times.	A	06/2019	✓
36	Adjust Sunday running times.	A	06/2019	✓
37	Adjust Saturday running times.	A	06/2019	✓
42	Adjust weekday running times.	A	06/2019	✓
57	Adjust weekday running times.	A	06/2019	✓
57	Reroute by airport villas.	A	06/2019	✓
95	Move 8:58 A.M. SB trip to 9:03 A.M. to make better connection with BCT transfers.	A	06/2019	✓
288	Move WB stop from SW 132 <sup>nd</sup> Ave to 127 <sup>th</sup> Ave	A	06/2019	✓



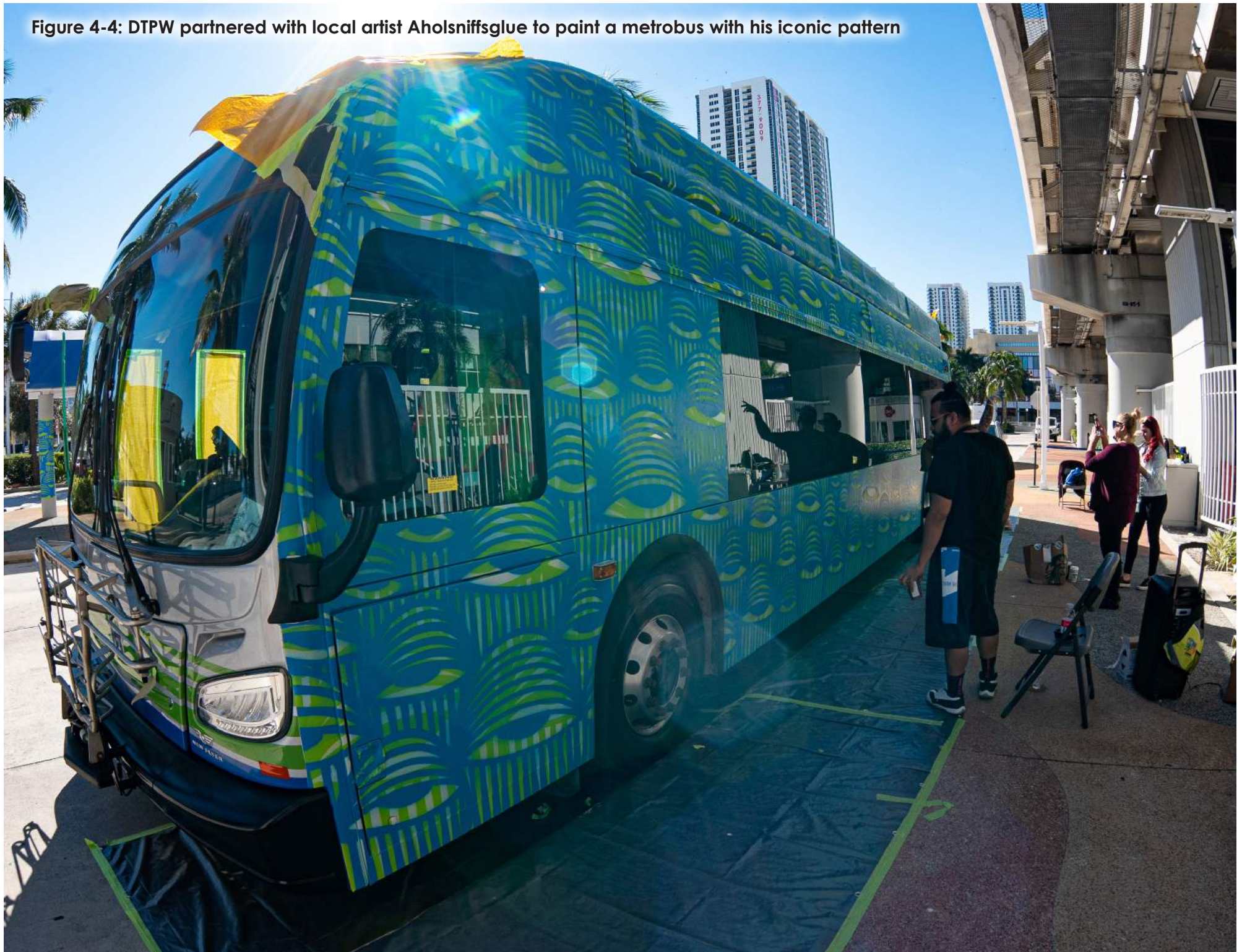
Route	Service Change	Type: A (Adjustment) I (Improvement) R (Reduction)	Start Date	2019 TDP Consistency
110/J	Adjust overlapping running times on Saturday and Sunday with route 36 changes.	A	06/2019	✓
112/L	Relocate layover to 17 <sup>th</sup> St/Washington permanently and modify time points and running time.	A	06/2019	✓
120	Add SB stop at 43 <sup>rd</sup> St and Indian Creek Dr to improve connections with WB service along 41 <sup>st</sup> St. And stops near east side of Aventura mall.	A	06/2019	✓
183	Move layover to NW 73 <sup>rd</sup> Ave/Miami Gardens Drive P&R from NW 67 <sup>th</sup> Ave.	A	06/2019	✓
295/296	Add stop NB and SB at Allapattah station (NW 12 <sup>th</sup> Ave/33 <sup>rd</sup> St)	A	06/2019	✓
19	Reduce weekday PM frequency from 24 to 30 min and add time to recovery.	R	06/2019	✓
38	Add up to 10 min recovery at DLS weekdays	I	11/2019	*
38	Shift 5 min recovery to DLS on weekends.	A	06/2019	*
27	Update deadhead time	A	11/2019	*
9	Shift 3 min recovery to CBD (from 2 to 5 min) 7 days a week.	A	06/2019	*
12	Shift trips to address short recovery on Saturdays for problem run (1812).	A	06/2019	*
10	Shift trips to accommodate route 9 recovery downtown 7 days a week.	A	06/2019	*
75	Shift weekday trips in the PM to increase PM recovery.	A	06/2019	*

## 4.12. Conclusion

Out of 84 targets established in the 2019 TDP Major Update, in 2020 DTPW met 43 (51%), failed to meet 23 (27%), and has work currently under way to complete 18 more (21%). Additionally, in 2019 DTPW successfully implemented all service adjustments committed to in the previous TDP, and made seven additional adjustments to improve Metrobus performance and better meet the needs of the Miami-Dade County transit customer.



Figure 4-4: DTPW partnered with local artist Aholsniffsglue to paint a metrobus with his iconic pattern



## CHAPTER 5

# FY 2020 TRANSIT IMPLEMENTATION PLAN







## 5. 2020 TRANSIT IMPLEMENTATION PLAN

DTPW has committed to implement many transit improvement projects in Fiscal Year 2019-2020 (October 1, 2019 - September 30, 2020). This chapter contains detailed descriptions of the individual projects and transit initiatives DTPW has committed to during this period. These items include the purchase of new vehicles, the advancement and implementation of SMART Plan corridors, new express bus routes, new transit supportive facilities, improvements to existing service, and infrastructure renewal projects - all intended to maintain, improve, and further expand DTPW services.

For each project, the activity planned for 2020 is highlighted in bold.

### 5.1. Committed Capital Improvement Plan

Annually, DTPW prepares the Adopted Budget and Multi-Year Capital Plan that lists specific projects related to the expansion and improvement of DTPW's existing services. DTPW has \$705,506,000 allocated for capital projects in the current fiscal year (FY 19-20). Table 5-1 presents the adopted capital budget for the current fiscal year.

**Table 5-1: DTPW FY 2019-2020 Adopted Capital Budget (\$000s)**

Project	Category/Funding	FY 19-20
Beach Express South (SMART Plan)	Operations - Unfunded	\$238
Bus And Bus Facilities	State of Good Repair - Funded	\$1,159
Bus Enhancements	State of Good Repair - Funded	\$10,177
Bus Related Projects	State of Good Repair - Funded	\$210,214
Bus Tracker And Automatic Vehicle Locating System Upgrade	State of Good Repair - Funded	\$131
Dadeland South Intermodal Station (SMART Plan)	Capital - Funded	\$17,500
Emergency Backup Generators	State of Good Repair - Funded	\$1,000
Fare Collection Equipment Projects	Capital - Funded	\$862
Federal Funded Projects	State of Good Repair - Funded	\$102,058
Golden Glades Bike And Pedestrian Connector - Sunshine Station	Capital - Funded	\$13,237
Heavy Equipment Replacement	State of Good Repair - Funded	\$3,000
Infrastructure Renewal Plan	State of Good Repair - Funded	\$12,500
Lehman Yard - Perimeter Security Fence	State of Good Repair - Funded	\$4,358
Lehman Yard	State of Good Repair - Funded	\$4,296
Metromover - Improvement Projects	State of Good Repair - Funded	\$43,875
Metrorail - Stations And Systems Improvements	State of Good Repair - Funded	\$26,963
Metrorail - Track And Guideway Projects	State of Good Repair - Funded	\$26,000
Metrorail - Vehicle Replacement	State of Good Repair - Funded	\$80,711
Metrorail And Metromover Projects	State of Good Repair - Funded	\$4,532
Palmetto Intermodal Terminal (SMART Plan)	Capital - Funded Operations - Funded	\$6,195
Park And Ride - Transit Projects (SMART Plan)	Capital - Funded	\$7,830
Park And Ride - Transitway At Sw 168th Street (SMART Plan)	Capital - Funded	\$203
South Dade Transit Way Corridor (SMART Plan)	Capital - Funded	\$95,260
Strategic Miami Area Rapid Transit Plan Phase 1 (SMART Plan)	Capital	\$9,212
The Underline	Capital - Funded	\$15,452
Transit - Signage And Communication Projects	State of Good Repair - Funded	\$8,543
<b>Grand Total</b>		<b>\$705,506</b>



## 5.2. New Vehicles

### 5.2.1. Metrorail New Vehicle Replacement

In March 2008, the Miami-Dade BCC and the CITT approved the \$380 million procurement of 136 new replacement rail vehicles. The new vehicles, which are being manufactured at the Hitachi Manufacturing Facility in Medley, feature the latest technological advances which will significantly improve passenger comfort, efficient maintenance, and operations. The first vehicles were put into revenue service in November 2017, with the final vehicles planned for delivery in 2020. As of December 29, 2019, 96 train cars (48 married pairs) have entered revenue service.

### 5.2.2. New Bus Vehicle Replacement

DTPW continues to implement its bus replacement program. Since October 2016, DTPW has acquired 234 vehicles as shown in Table 5-2. These buses make up part of DTPW's efforts to reduce the average fleet age. Additionally, some of the new vehicles represent an expansion of the fleet to provide new service, including the SMART and BERT routes. In 2020, DTPW expects to add 86 40' CNG buses. Details regarding the future bus replacement plan can be found in Appendix 6.

The procurement of alternative fuel buses for replacements and enhancements not only improves transit but also promotes the county's long-term initiative towards a state of good repair, economic competitiveness, livability, sustainability, safety, job creation, and economic stimulus. After evaluating various alternative fuels, DTPW decided to migrate the bus fleet to clean-burning CNG or battery-electric powered vehicles.

**Table 5-2: Bus Purchases**

Year	Bus Type	# of Vehicles
2015	NABI 15100 Diesel	15
2016	NEWFL 16500 Hybrid	11
2016	NEWFL 17500 Hybrid	10
2017	Gillig 16100 Diesel	5
2018	NEWFL 18100 CNG	169
2019	NEWFL 19100 CNG	24
Total		234



## 5.3. The SMART Plan

In April 2016, the Miami-Dade TPO Governing Board adopted the SMART Plan, a comprehensive program which identifies six corridors proposed for advancement towards a more complete rapid transit system. The SMART Plan also contains a network of corridors throughout the county for the implementation of BERT service. Since then, implementation of the SMART Plan has become a top priority of DTPW.

In October 2017, the TPO passed resolution #47-17 advancing the North and South Corridors into Priority I in the LRTP and TIP. In 2019, The TPO passed resolution #26-19, extending the limits of the Florida's Turnpike Express (FTE) North BERT Route to connect to the North (27<sup>th</sup> Avenue) Corridor.

This section highlights the progress that DTPW intends to make towards completing the SMART Plan in FY 19-20.

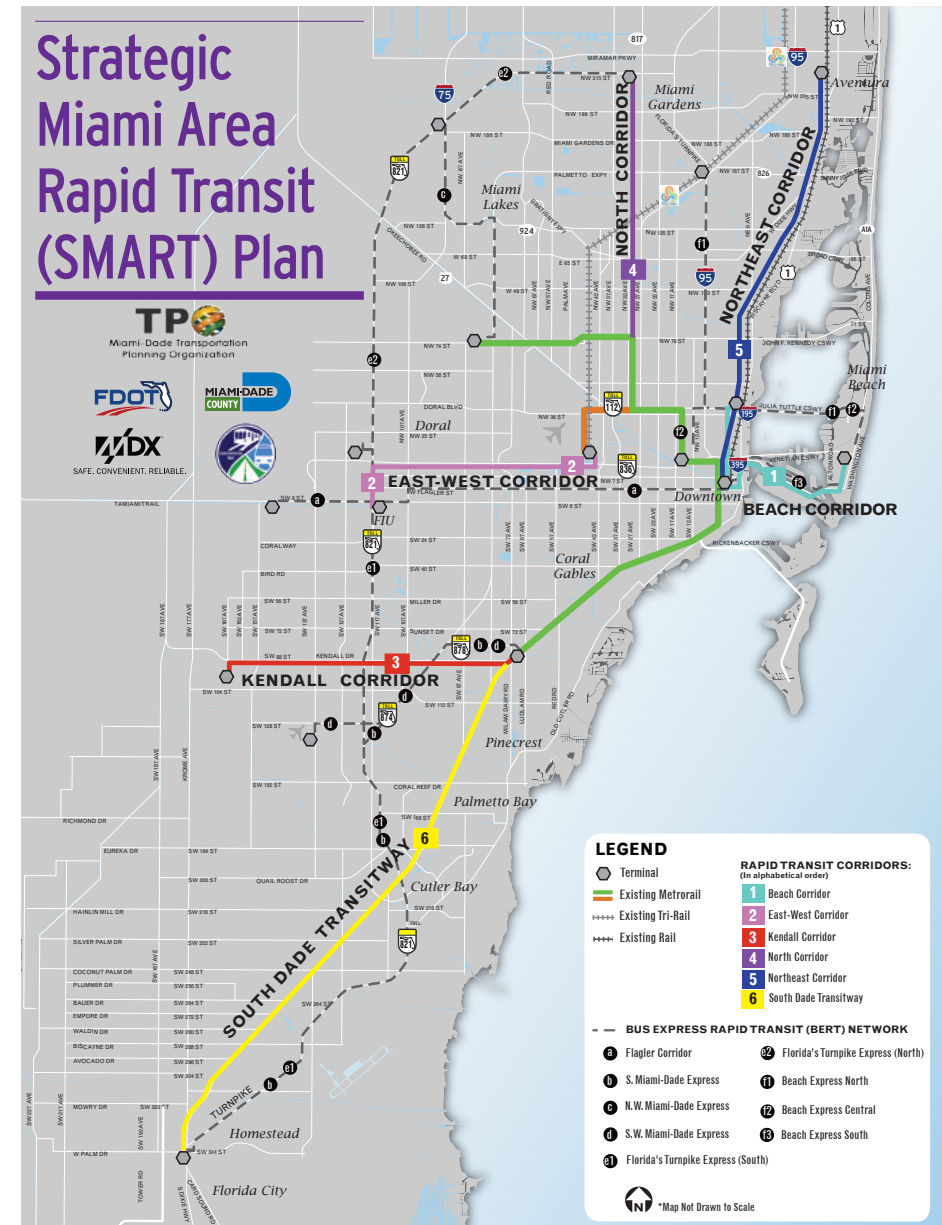
### 5.3.1. Beach Corridor

The Beach Corridor is a 9.7-mile long corridor connecting the Miami Design District through Downtown Miami along MacArthur Causeway to the Miami Beach Convention Center. This corridor is composed of a trunk line connecting the City of Miami and the City of Miami Beach, with one extension to the Midtown/Design District in the City of Miami, and one extension to the Miami Beach Convention Center.

The Beach Corridor PD&E study is funded by multiple agencies including the County, FDOT, City of Miami, and City of Miami Beach. **In January 2020, the TPO, following the PD&E recommendation, selected elevated Automated Guideway Transit (AGT) for the trunk line, an extension of Metromover for the Midtown/Design District segment, and dedicated-lane motorbus service on Washington Avenue.**

The County received an unsolicited proposal from a consortium of firms in May 2019 to design, build, finance, operate and maintain a monorail system between the mainland (downtown Miami) and Miami Beach along the MacArthur Causeway. In July 2019, the County released a solicitation for the same project purpose as the unsolicited proposal for a rapid transit system for the Beach Corridor. The County issued an RFP for a Rapid Mass Transit Solution for the Beach Corridor Trunk Line in September 2019. **The County received the proposals in March 2020 and is directed by the BCC to evaluate the submission and negotiate with the proposer.**

Figure 5-1: The SMART Plan



## 5.3.2. East-West Corridor

The East-West Corridor project will run approximately 11 miles from the MIC at MIA west along the SR-836/Dolphin Expressway, to the Turnpike in the vicinity of Florida International University (FIU). The East-West Corridor PD&E study team received Notice to Proceed (NTP) on April 13, 2017. Through the technical analysis and public input process, four viable build alternatives were identified as Bus Rapid Transit (BRT), Heavy Rail Transit (HRT), Commuter Rail Transit (CRT) and a hybrid combination of BRT and CRT. **The project team is expected to present the recommended alternative to the TPO Governing Board in 2020 for selection of an LPA. The project team anticipates coordination with the FTA on the National Environmental Policy Act (NEPA) Class of Action immediately after the selection of the LPA.**

### 5.3.2.1. Dolphin Station

Adjacent to the intersection of the HEFT and SR-836, Dolphin Station was identified as a strategic location for a transit center with a park-and-ride facility that will provide approximately 850 parking spaces. A groundbreaking ceremony was held in January 2017. Construction has been completed and **transit service began in March of 2020**. A rendering of the completed Dolphin Station is shown in Figure 5-3.

### 5.3.2.2. SR-836 Express Bus Service

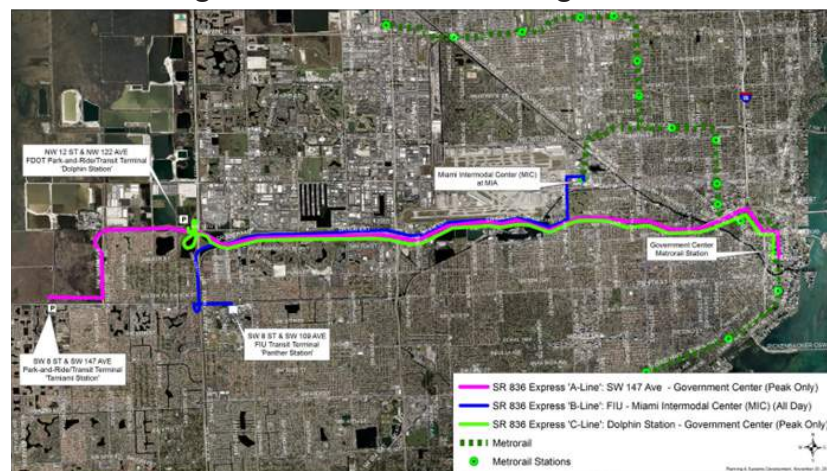
This project will provide premium express transit service using the inside bus-only shoulders of SR-836, which is planned of substantial completion in March 2020. This project will feature three routes:

- The A-Line route will provide premium express transit service from the proposed Tamiami Station (park-and-ride/transit terminal facility located at SW 8<sup>th</sup> Street and SW 147<sup>th</sup> Avenue) to Downtown Miami via SW 8<sup>th</sup> Street, SW 137<sup>th</sup> Avenue and SR-836. Service headways are planned to be 10 minutes during the AM/PM peak hours and 30 minutes during off-peak hours. The planned long-term improvements for this route is anticipated to be completed by 2021.
- The B-Line route will provide premium express transit service from the proposed Panther Station at Florida International University's Modesto A. Maidique Campus (MMC) to the MIC via SW 8<sup>th</sup> Street, SR-821/HEFT and SR-836. This route is planned to operate all day with 20-minute headways. The planned long-term improvements for this route is anticipated to be completed by 2022.
- The C-Line route started service in March 2020. It provides premium express transit service from Dolphin Station to Downtown Miami via SR-836. Service headways are anticipated to be 10 minutes during the AM/PM peak hours and 30 minutes during off-peak hours.

Figure 5-2: Rendering of Completed Dolphin Station



Figure 5-3: SR-836 Route Alignments





### 5.3.2.3. East-West Corridor Transit-Oriented Development Project

In June 2016, DTPW submitted a grant application to conduct a TOD study for the East-West Corridor, which was awarded by the FTA in the amount of \$1.2 million (\$960,000 FTA and \$240,000 PTP) under the TOD Planning Pilot program. The Master TOD Plan for East-West Corridor study received NTP in November 2018. **The study is anticipated to conduct two public design charettes in 2020 following the LPA selection for the rapid transit corridor.** The study is expected to be completed in Spring 2021 with a final TOD master plan for the corridor.

### 5.3.3. Kendall Corridor

The Kendall Corridor project is 10 miles from the Dadeland North Metrorail Station west along SR-94/Kendall Drive/SW 88<sup>th</sup> Street to approximately SW 162<sup>nd</sup> Avenue. This project provides multimodal solutions for severe traffic congestion along Kendall Drive, one of the most congested east-west arterial roadways in Miami-Dade County. A PD&E Study to evaluate proposed transportation solutions for Kendall Drive was launched in 2016. **The project team is anticipated to present the LPA in fall 2020.**

### 5.3.4. North Corridor

The North Corridor project is approximately 10 miles long, running from the Dr. Martin Luther King Jr. Metrorail Station northward along NW 27<sup>th</sup> Avenue to NW 215<sup>th</sup> Street. The PD&E study for the North Corridor began in 2016. In December 2018, the TPO Governing Board selected an Elevated Fixed Guideway transit system as the LPA for the North Corridor, based on the recommendation of the PD&E team. In October 2019 the TPO Governing Board selected Heavy Rail Transit as the preferred transit technology, with a directive for the TPO Executive Director to coordinate with FDOT and County staff to further refine the analysis for the various technological modes to include localized financial, operations and maintenance data and to report the revised analysis to the TPO Governing Board at its March 2020 meeting. In addition, **County staff was directed by the BCC to issue an RFP in June 2020 to design, build, operate and maintain an elevated fixed guideway transit system for the North Corridor.**

### 5.3.5. Northeast Corridor

The Northeast Corridor is a regional connection that links Miami-Dade County with neighbors to the north via the Florida East Coast (FEC) railway. It extends approximately 14 miles through the historic core of the County and links Aventura, North Miami, North Miami Beach, and Miami Shores with the County's Central Business District located in Downtown Miami. FDOT District 4 is managing the PD&E study and is currently finalizing plans. **Service to the MiamiCentral Station is anticipated in late 2020 or early 2021.** A Mid-town station has been identified by the SFRTA. Regional passenger rail service to the Aventura Station can be considered as the first phase of the service. Brightline has committed to providing the Aventura Station by 2022.

### 5.3.6. South Dade Transitway Corridor

The South Corridor runs approximately 20 miles from the Dadeland South Metrorail Station along the existing Transitway to the SW 344<sup>th</sup> Street Park-and-Ride/Transit Terminal Facility. DTPW initiated a PD&E Study to evaluate premium transit solutions in this corridor in April 2017. The TPO selected the LPA on August 30, 2018 as BRT. The project team has started coordination with the FTA on submitting a Small Starts Grant application for the South Corridor BRT project. The estimated total project capital cost is \$300 million. Miami Dade County and FDOT have both committed \$100 million each to fund design and construction. The project team submitted a Small Starts Package to the FTA requesting the remaining \$100 million via FTA Capital Investment Grant Program funding in August 2019 and is expecting a grant agreement with FTA in Summer 2020. In the meantime, the County issued a request for design build services for the South Corridor Rapid Transit Project in June 2019. **The contract for design-build services was awarded by the Board of County Commissioners on September 3, 2020.**



### 5.3.7. BERT Routes

In 2016, FDOT D6 began a PD&E study to examine implementation of BRT service and infrastructure improvements along SR-968/Flagler Street from SR-821/HEFT to SR-5/U.S.-1/Biscayne Blvd. The primary study objective is to evaluate the implementation of a cost-effective, high-ridership BRT system within the SR-968/Flagler Street Corridor that is to be part of an overall interconnected premium transit network. The FDOT project team is currently identifying and refining recommended alternatives. **The study is anticipated for completion in 2021.**

DTPW is also the lead agency on the NEPA study for the BERT network Route B through F3:

- South Miami-Dade Express (Route B)
- Northwest Miami-Dade Express (Route C)
- Southwest Miami-Dade Express (Route D)
- Florida's Turnpike Express South (Route E1)
- Florida's Turnpike Express North (Route E2)
- Beach Express North (Route F1)
- Beach Express Central (Route F2)
- Beach Express South (Route F3)

The BERT network PD&E study received an NTP in March 2019. Through 2019 and 2020 DTPW staff continues to assess the infrastructure needs such as new transit terminals, improvement to or expansion of existing terminals, and new direct roadway/ramp connections, etc. Coordination is required between DTPW and other transportation agencies such as FDOT, FTE and Miami-Dade Expressway Authority (MDX) to ensure transit access to roadways are supported.

## 5.4. Other New Facilities

### 5.4.1. The Underline Phase I - Brickell Backyard Project

The future 10-mile Underline Corridor, running below the Metrorail from the Miami River to Dadeland South Metrorail Station, will create a linear mobility corridor that will enhance connectivity, increase mobility, and improve pedestrian and biking safety for residents and visitors. In 2015, Friends of The Underline, selected a design consultant to develop the Vision and Master Plan for this project. Currently the project is structured in nine phases for development as funding becomes available. The Underline Phase I is known as the Brickell Backyard and extends from the Miami River to SW 13<sup>th</sup> Street, approximately ½ mile long. The off-road dedicated bicycle path is located along the west side of the Metrorail structure from the Miami River to SW 8<sup>th</sup> Street and between the Metrorail Station and SW 13<sup>th</sup> Street. **Project construction began in December 2018 with a targeted end date of June 2020.**

Figure 5-4: Rendering of Completed Underline Phase 1





## 5.4.2. South Dade Bus Maintenance Facility

With the implementation of the SMART plan, the County inventoried the availability of garages located within the south Miami-Dade area of the County for bus maintenance facilities and determined that the closest maintenance facility to South Miami-Dade area is the Coral Way facility; which has reached its capacity and is approximately 30-miles away from the southern county line of Miami-Dade. This new maintenance facility will improve Transit's operational efficiency by decreasing the turn around time for placing buses back in revenue service. The first phase of the project is anticipated to be completed in Spring 2022.

## 5.5. Committed Bus Service Adjustments

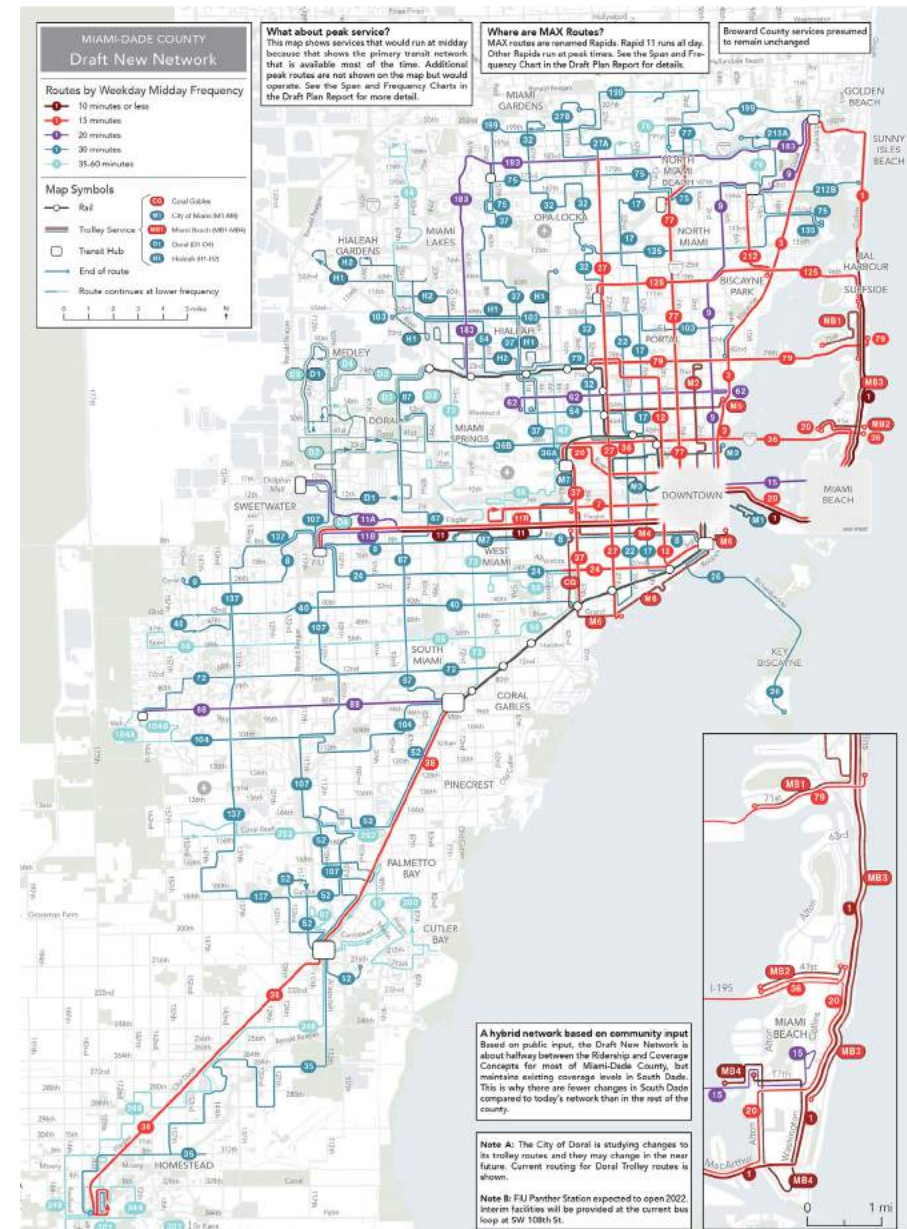
In an effort to continually match service capacity with ridership demand, DTPW routinely revises the existing bus route network to better meet the evolving transportation needs of Miami-Dade County. These revisions seek to improve the operational efficiency of the overall transit system. In a typical year, these adjustments are planned and committed to in the TDP – however for 2020, these adjustments have been deferred until the conclusion of the Better Bus Project.

### 5.5.1. The Better Bus Project

This project is a partnership between Miami-Dade County and Transit Alliance Miami, a local non-profit organization that advocates for “walkable streets, bikeable neighborhoods, and better public transit”. The purpose of the Better Bus Project is to redesign the county DTPW bus system, and three municipal trolley systems (City of Miami, Miami Beach and Coral Gables). The project explored two different approaches: one focusing on maximizing ridership, and another focused on maximizing the coverage of the transit system. A cost-neutral hybrid of these two approaches was presented to the BCC Transportation and Finance Committee in November 2019. **The draft network has now been completed and public feedback is being gathered to finalize the plan in 2020. The plan can be seen in Figure 5-5.**

Planning the new network involved over 100 outreach events, workshops and presentations including community meetings, portable transit outreach and more – this outreach resulted in the Transit Alliance reaching over 2,600 people in person, obtaining over 4,400 survey responses, and over 1,000 text conversations with riders.

Figure 5-5: Better Bus Project Draft Network





## 5.6. Committed Infrastructure Renewal Program (IRP) Projects

Table 5-3 presents committed IRP projects for FY 2019-2020. These commitments are based on a process by DTPW which identifies, evaluates, prioritizes, and programs capital improvement projects that are necessary in order to maintain the existing transit system in a state of good repair. Many of these projects are multi-year efforts which will not reach completion during FY 19-20. DTPW has a fixed allocation of \$12.5 million dollars for IRP projects every year, and the current total multi-year cost of all IRP projects is approximately \$64.5 million.

**Table 5-3: FY 2019 - 2020 IRP Projects (\$000s)**

<b>IRP Project Number</b>	<b>IRP Project Name</b>	<b>Scope</b>	<b>Total IRP Funding</b>
CIP126	Emergency Exit at William Lehman Center	Widening of current exit to facilitate in and out emergency vehicle traffic at Palmetto Yard.	\$640
CIP171	Metrorail and Metromover UPS Rooms HVAC Installation	Install new HVAC systems to provide cooling capacity for all UPS rooms on Metrorail and Metromover.	\$1,682
CIP172	Metromover Fire Panel Upgrade	Install new fire panels, sensors and control equipment at the Central Control Facility to monitor fire alarms from all Metromover stations. The new system will allow for Metromover Rail Traffic to monitor the status of all new fire, smoke and heat detectors. The new system will enhance the safety of Metromover patrons.	\$3,307
CIP174	Bus Passenger Shelter Project	Bus Passenger Shelters (design, fabrication and installation of approx. 2,265 shelters throughout unincorporated Miami-Dade County).	\$4,890
CIP184	Mainline Video Upgrade Phase 2	Enhancement of security video cameras throughout Rail, Mover, Bus and Revenue Island (new and replacements).	\$866
CIP192	Hybrid Electric Bus Battery Replacement	Battery Management replacement system in order to keep Hybrid buses in service.	\$4,390
IRP012	Garage Fire Suppression	Replace and upgrade the fire suppression system at four parking garages built with the original Metrorail system: Okeechobee, Dadeland North, Dadeland South and Earlington Heights.	\$579
IRP095	Metromover Public Address System Replacement	Replace existing Public Address System at all Metromover Stations. The Scope of Work includes the replacement and upgrade of all electronic components in the paging chain. The distribution wiring will also be upgraded.	\$2,492
IRP096	Rail Public Address System Replacement	Replace existing Public Address System at all Metrorail Stations. The Scope of Work includes the replacement and upgrade of all electronic components in the paging chain. The distribution wiring will also be upgraded.	\$2,592



**Table 5-3 (Continued): FY 2019 - 2020 IRP Projects (\$000s)**

IRP Project Number	IRP Project Name	Scope	Total IRP Funding
IRP172	Metrorail and Metromover Electronic Real-time Signage	Install LED multi-color electronic signage in all Metrorail Stations and nine (9) Metromover Stations to provide information of Train Arrivals, Train Destinations, and next Train Arrivals. The LED signs will be done in conjunction with a new Public Address System project that will synchronize with the visual messages that will be displayed over the LED signage. Message categories will include station messages, train arrival information and emergency messages. The synchronization will provide improved ADA accommodation.	\$386
IRP214	Traction Power Crane Truck	Purchase crane truck for Traction Power to be used to perform work related to man-hole covers, high voltage cable pull, and cable spool lifts.	\$100
IRP215	Metrorail Bathrooms	Repair and renovate public restrooms at the 30-year-old Metrorail stations.	\$1,865
IRP221	Traction Power Three Reel Trailer	Purchase high voltage trailer cable pull, necessary for the replacement of the 30- year old Traction Power cables.	\$50
IRP224	William Lehman Facility (WLF) - Vehicle Maintenance Bathroom	Contracted services for the renovation of the WLF (6601 NW 72nd Avenue, Miami, Florida 33166), Vehicle Maintenance Bathroom to ensure proper sanitation for employees working in the Vehicle Maintenance shop.	\$450
IRP233	Replacement of Diamond Frogs at Culmer Crossover	Replacement of Diamond Frogs at the Culmer Metrorail Station.	\$900
IRP234	Railcar Cleaner Platform Replacement Project	Upgrade the existing Cleaning Platform located at the William Lehman Center. The existing wooden platform is in need of constant repair.	\$2,000
IRP236	Purchase of 2 HY-Rail Crew cab Trucks	Purchase support vehicles for the Track and Guideway maintenance division.	\$190
IRP255	Replacement of Tactiles and Barriers at Metromover Stations	Provide detectable warning safety edge tiles and between-car barrier (BCB) system in compliance with the DOT ADA regulations. Each station features two 80 LF Platform Structures and require tiles and BCB on both sides of the platform. The scope includes labor, materials, tools, appliances, equipment and other means of construction for performing and completing the work.	\$440
IRP260	Fueling Terminal Modernization	Upgrade fueling terminal to IP Base.	\$250



**Table 5-3 (Continued): FY 2019 - 2020 IRP Projects (\$000s)**

<b>IRP Project Number</b>	<b>IRP Project Name</b>	<b>Scope</b>	<b>Total IRP Funding</b>
IRP263	Automated Fare Collection Cloud Migration	Implement enhancement and regional expansions to the Automated Fare Collection System (AFCS) based on the existing Contract 8481-2/22-1. The contract includes an option to purchase additional equipment and service for expansions and modifications.	\$3,000
IRP265	Traffic Signal Prioritization Expansion to Congestion Mgmt. Plan / Real-Time Connected Vehicles	Recapitalization of the MetroBus on-board equipment that provides passengers with free Internet access and connectivity for business traffic such as Fare Collection, CCTV, and CAD/AVL data. This project replaces field equipment that has been in continuous operation in MetroBus vehicles for the last seven years and expands the deployment of the entire fleet.	\$800
IRP267	Purchase Rail Wheel Press Machine	Purchase of a new Railcar Wheel Press Machine needed to support the (136) rail cars the department is procuring to replace the existing railcar fleet.	\$1,000
IRP270	Metromover Vehicles HVAC Compliance Overhaul & Mover Building A/C Replacement	Mover vehicle air conditioning HVAC system and Mover Building A/C replacement in order to comply with EPA requirement as the use of Freon 22 will be banned by EPA by the year 2020.	\$1,345
IRP271	Electric Forklift for Materials Management (5 ea.) and Rail Div. (2 ea.)	Replacement of old forklifts to be used for the daily logistical operational functions (shipping, receiving, loading, unloading, delivering parts for Bus, Rail, Mover and Material Management. operations).	\$219
IRP283	Dadeland North Garage Fire Suppression System	Replace and upgrade fire suppression system due to the current break down of the sprinkler heads at the Metrorail Dadeland North parking garage.	\$3,779
IRP296	Metrorail HVAC Overhaul 40 Railcars	Overhaul of the air conditioning (HVAC) system on 40 rail vehicles in order to maintain system functionality, reliability and customer comfort.	\$3,500
OSP202	Hydraulic Mobil Bus Lifts	Purchase of approximately 55 individual hydraulic mobile column lifts for bus maintenance.	\$389
OSP209	Data Closets Uninterruptible Power Supply (UPS) Replacement	Replace Data Closets Uninterruptible Power Supply (UPS).	\$323
IRP199	Mainline Video System Upgrade	Installation of IP-HD cameras with analytics throughout the Mainline Track System & Rail Stations, mover stations first level and at all revenue islands and Treasury Office & vault. for security reasons.	\$286
IRP021	Metromover Traction Power Cable Replacement	Replacement of the damaged traction power cables and wiring on the Metromover system.	\$325





**Table 5-3 (Continued): FY 2019 - 2020 IRP Projects (\$000s)**

IRP Project Number	IRP Project Name	Scope	Total IRP Funding
IRP107	Hydraulic Mobil Column Bus Lifts (Additional)	Provide 24 sets of four hydraulic column lifts with 70' required communication cables and 60' power cords for DTPW Bus Maintenance.	\$1,118
IRP171	Upgrade Chiller Units at Lehman Center	Replace two existing Trane water cooler 110 ton, R-113 chiller units, 3 chilled water pumps and all related controls, piping, valves, wiring etc. at the William Lehman Center Facility.	\$650
IRP242	Rail Programmable Logic Controller Replacement	To replace all ethernet switches at all Metrorail & Metromover stations and at Metromover Maintenance Bldg & at Lehman Center Bldg	\$1,560
IRP299	Traction Power Switchgear Replacement for Rail (Phase 3 Upgrade)	Upgrade to Traction Power Substations.	\$5,000
IRP306	Renovate Lehman Center 2nd Floor (Administration)	New office partitions , desks, chairs upgrade phone system etc.	\$750
IRP300	Mover Vehicle Mid Life Overhaul	Involves replacement or overhaul of vehicle subsystems, equipment and components for the reliable operation of the Mover fleet	\$3,214
IRP109	Emergency Back up Generators	Installation of electrical generators and transfer switches at Central Bus, NE and Coral Way.	\$440
OSP234	Rail EAMS Work Order Module	Infor EAMS software tool to implement Work Order module that will be integrated with the existing warehouse module.	\$700
IRP276	Metrorail Platform Cabling Replacement	Replacement, disposal and re-installation of the infrastructure and cabling necessary to support the Emergency Transfer Switch, Emergency Telephone, End Gate Intrusion Alarm and Blue Light at 17 Metrorail Stations.	\$2,805
IRP315	Metromover Concrete Removal & Safety Netting Installation	Removal of the existing bottom outside corner of the concrete running pads along the Metromover System's Brickell and Omni Loops at all locations deemed necessary. Work will also include the installation of additional safety netting between existing girders to supplement existing safety netting system	\$5,250
<b>Total</b>			<b>\$64,522</b>

Figure 5-6: Renderings of Proposed South Corridor Station



## CHAPTER 6

# TEN YEAR IMPLEMENTATION PLAN







## 6. TEN YEAR IMPLEMENTATION PLAN

This section identifies DTPW's ten-year program of projects. Through these projects, DTPW enacts a strategy to improve the existing transit system, implement new metrobus routes, advance premium transit corridors identified throughout Miami-Dade County, and discontinue unproductive routes. DTPW will continue to focus on providing a clean and attractive system for passengers, improving on-time performance, and utilizing the best available technology to provide customers with a fast and efficient transit experience. The chapter is organized as follows:

First, the principal initiative to improve transit in Miami-Dade County is the SMART Plan. The SMART Plan includes six proposed rapid transit corridors whose details are included in Table 6-1, and nine BERT Network routes which are listed in Table 6-2. Both the rapid transit corridors and BERT Network are shown on Figure 6-1, while Figure 6-2 shows the more extensive express bus vision for Miami-Dade County. The SMART Demonstration Program supports the SMART Plan corridors by providing first/last mile transit service to the corridors, as shown on Figure 6-3. The six SMART plan rapid transit corridors are described with their implementation schedule in Table 6-3.

Next, DTPW's ten-year implementation plans are organized into three categories – Operations, Capital, and State of Good Repair. Operations and Capital projects are divided into separate lists for funded, partially funded, and unfunded projects.

Transit Operations projects are listed in Table 6-4 and illustrated on Figure 6-4. Funded Capital projects are listed in Table 6-5 and illustrated on Figure 6-5. Partially Funded Capital projects are listed in Table 6-6 and illustrated on Figure 6-6. Unfunded Capital projects are listed in Table 6-7 and on Figure 6-7. State of Good Repair projects, including those which are part of the IRP, are listed in Table 6-8.

### 6.1. SMART Plan

In the long term, DTPW, SMART Plan partners, and stakeholders are working to change the approach to mobility by creating a system that offers multiple transportation options throughout the county. There are limited opportunities to widen and/or build new roads. Therefore, the need to extend mass-transit represents the balanced approach necessary to address roadway congestion and connect communities to educational and employment centers. This balanced approach is needed to ensure the community continues to grow and thrive far into the future. The goal is to make Miami-Dade County a car-optional community by ensuring that mass-transit options are available everywhere in the County and region.

Table 6-1 presents a list of SMART Plan Rapid Transit Corridors, and Figure 6-1 illustrates the location of the Rapid Transit Corridors, as well as the BERT Network corridors. The six rapid transit corridors which are included in the SMART Plan are described below.

#### 6.1.1. Rapid Transit Corridors

##### 6.1.1.1. Beach Corridor

The Beach Corridor is a proposed 9.7 mile route which traverses Biscayne Bay to link Downtown Miami to Miami Beach. The Beach Corridor area is an epicenter for population and economic growth and a major employment center and tourist destination in the region. As a result, the roadways between Miami and Miami Beach are typically heavily congested. This high bus transit ridership corridor has been identified as a candidate for consideration for premium transit over the past two decades as part of a strategy to address east-west directional travel demands. DTPW initiated a PD&E study to evaluate premium transit solutions in this corridor in May 2017. The TPO will select an LPA in 2020.



**6.1.1.2. East-West Corridor**

This project will run approximately 11 miles from Miami International Airport west along the SR-836/Dolphin Expressway to the Turnpike, ending in the vicinity of FIU. It provides multimodal options that mitigate the severe traffic congestion along SR-836 which is the only east-west expressway in central Miami-Dade County. This project will serve major activity centers including FIU, Miami International Airport, the MIC, Dolphin Mall, and major employment areas like the City of Doral and the Blue Lagoon area. DTPW initiated a PD&E study to evaluate premium transit solutions in this corridor in April 2017. The project is expected to present the recommended alternative to the Miami-Dade TPO Governing Board in 2020 for selection of an LPA.

**6.1.1.3. Kendall Corridor**

The Kendall Corridor spans 10 miles along Kendall Drive (SW 88<sup>th</sup> St) from the Dadeland North Metrorail Station to approximately SW 167<sup>th</sup> Ave. This project provides multimodal solutions for severe congestion along Kendall Drive, one of the most congested east-west roadways in Miami-Dade County. The project facilitates the highest demand movement of passengers to and from West Kendall to Downtown Miami.

In 2016, FDOT District Six initiated a PD&E Study to evaluate proposed transportation solutions for Kendall Drive. A project kick-off meeting was held in late 2016. The TPO is expected to select the LPA in June 2021.

**6.1.1.4. North Corridor**

The North Corridor runs along NW 27<sup>th</sup> Ave for approximately 10 miles from the Dr. Martin Luther King Jr. Metrorail Station to the Broward county line at NW 215<sup>th</sup> St. It will connect the cities of Miami, Opa-locka, and Miami Gardens with major activity centers, including the Miami-Dade College North Campus, North Dade Health Center, St. Thomas University, Florida Memorial College, Miami Jobs Corps Center, Hard Rock Stadium, and Calder Race Course. A new multimodal transit terminal and park-and-ride facility at the northern end of the project will be constructed to provide a connection to Metrobus and BCT routes. The long-term vision includes TOD at the new NW 215<sup>th</sup> St transit terminal.

In 2016, FDOT District Six initiated a PD&E Study to evaluate proposed transportation solutions for SR-9 / SR-817 / NW 27<sup>th</sup> Ave. In December 2018, the TPO Governing Board selected an Elevated Fixed Guideway transit system as the LPA for the North Corridor, based on the recommendation of the PD&E team. In October 2019, the TPO Governing Board selected Elevated Heavy Rail Transit as the preferred transit technology. Efforts are now underway to refine the corridor analysis to account for localized financial, operations, and maintenance data. In addition, the BCC directed county staff to issue an RFP in 2020 to design, build, operate and maintain an elevated fixed guideway transit system for the North Corridor. Final decision by the TPO Governing Board is anticipated to take place in fall 2021.

**6.1.1.5. Northeast Corridor**

The Northeast Corridor generally runs along U.S. Route 1 between Downtown Miami and the Miami-Dade/Broward County line near Aventura Mall. It is one of the busiest transit corridors in the region. It extends approximately 13.5 miles through the historic core of the County developed along the FEC railroad and links Aventura, North Miami, North Miami Beach, and Miami Shores with the County's Central Business District located in Downtown Miami. FDOT District 4 is managing the PD&E study and is currently on hold, pending access agreement for Tri-Rail service which awaits completion of Positive Train Control (PTC) improvements along the FEC tracks by Brightline.

**6.1.1.6. South Dade Transitway Corridor**

This corridor stretches approximately 20 miles from the Dadeland South Metrorail Station along the existing Transitway to the SW 344<sup>th</sup> St Park-and-



Ride/Transit Terminal Facility. This corridor will connect the Miami-Dade County Rapid Transit system to Florida City, City of Homestead, Town of Cutler Bay, Village of Palmetto Bay, and Village of Pinecrest, which represent the fastest population growth in Miami-Dade County. This rapid transit project facilitates the highest demand of passengers traveling to and from southern Miami-Dade to Downtown Miami.

DTPW initiated a PD&E Study to evaluate premium transit solutions in this corridor in April 2017. The TPO selected the LPA on August 30, 2018 as BRT. Once completed, BRT will provide rail-like travel time, iconic stations, level boarding through all doors, and pre-paid fares for speedy access. BRT will also provide enhanced safety features and other upgrades along dedicated lanes with multi-layered service lines on the Transitway.

The estimated total project capital costs is \$300M. Miami-Dade County and FDOT each pledged \$100M towards implementation. Additionally, the project team submitted a \$100 Million Small Starts grant application package to the FTA in August 2019. In September 2020, both the FTA and FDOT grant agreements were fully executed. BRT is scheduled to begin operation by 2022.

### 6.1.2. Bus Express Rapid Transit (BERT) Network

Most urban and interregional corridors in Miami-Dade County are already congested. Congestion is expected to worsen even with completion of planned transportation improvement projects. The pace of growth far exceeds the ability to add capacity in order to reduce congested conditions. Significant expansion is required in rail and transit systems to deliver viable options for moving people within Miami-Dade County and the Southeast Florida Region.

As part of the SMART Plan, DTPW and FDOT District Six staff began the planning activities for implementation of the BERT network in 2016. FDOT is taking the lead on the PD&E study for Route a, the Flagler Corridor, which is scheduled for completion by mid-2020. Based on the results of the study, project schedule will be planned. DTPW is taking the lead on the NEPA study and infrastructure needs for the rest of the BERT network. To implement the BERT network, necessary infrastructure projects include new transit terminals, improvement to or expansion of existing terminals, new direct roadway/ramp connections, and more. Coordination is also required between DTPW and other transportation agencies such as FDOT, MDX or its successor agency, and FTE to ensure transit access to roadways are supported.

Among the BERT routes, some are further advanced than others. Route c, the I-75 NW Miami-Dade Express, began service on November 18, 2019; Route b is anticipated to begin service in 2021; Routes d, e1, f1, f2, and f3 are anticipated to begin service in 2023; Route e2 is expected to begin service in 2027.

For BERT routes f1 and f2, a project to add bus-on-shoulder service to the Julia Tuttle Causeway is in progress, with planning completed in January of 2020. The project improvement includes increasing the width of the inside paved shoulders and reducing the widths of the center and inside travel lanes and reconstructing the inside shoulder to allow Bus On Shoulder operations. This project is anticipated to begin construction in July of 2022.

Table 6-4 lists additional information on the BERT network. Figure 6-2 illustrates the location of the BERT Network routes, and figure 6-3 shows DTPW's Express Bus System Vision with supportive transit terminals.

#### 6.1.2.1. Flagler Corridor

In 2016, FDOT District Six, began a PD&E study to examine implementation of BRT service and infrastructure improvements along SR-968/Flagler St from SR-821/HEFT to SR-5/US-1/Biscayne Blvd. The primary study objective is to evaluate the implementation of a cost-effective, high-ridership BRT system within the Flagler St Corridor that is to be part of an overall interconnected premium transit network. Flagler St was presented to TPO Board in July, 2019. The board requested that the FDOT study team conduct a workshop to review the recommended alternatives. Once this workshop takes place, the TPO board will rehear the item and select a recommended alternative.



**Table 6-1: Miami-Dade County's Strategic Miami Area Rapid Transit (SMART) Plan**



Corridor Name	Limits	Corridor Length (miles)	Lead Agency	PD&E Phase Cost	Design and Construction Phase Cost	Status
Beach Corridor	Miami Beach Convention Center to Midtown Miami (at or near NE 41 <sup>st</sup> St and NE 2 <sup>nd</sup> Ave.	9.7	DTPW	\$10.0M	\$920M (Light Rail)	<ul style="list-style-type: none"> <li>TPO Resolution #40-16 authorized the development of the PD&amp;E (Study began March 2017)</li> <li>PD&amp;E Funding Sources: FDOT-6 (\$5.0M); CITT (\$3.75M); Miami-Dade County (\$417,000); City of Miami (\$417,000); City of Miami Beach (\$417,000)</li> <li>Anticipated PD&amp;E completion date: 2020</li> </ul>
East-West Corridor	Miami Intermodal Center (MIC) to Florida International University (FIU)	11	DTPW	DTPW \$9.0M	\$2,274M (Metrorail)	<ul style="list-style-type: none"> <li>TPO Resolution #34-16 authorized the development of the PD&amp;E (Study began March 2017)</li> <li>PD&amp;E Funding Source: 100% CITT</li> <li>Anticipated PD&amp;E completion date: 2020</li> </ul>
Kendall Corridor	SW 167 <sup>th</sup> Ave to Dadeland Area Metrorail Stations	10	FDOT-6	FDOT \$6.1M DTPW (PTP) \$1,143,000	\$320M (BRT)	<ul style="list-style-type: none"> <li>TPO Resolution #01-15 authorized the development of the PD&amp;E (Study began June 2016)</li> <li>PD&amp;E Funding Sources: 100% State</li> <li>Anticipated PD&amp;E completion date: June 2021</li> </ul>
North Corridor (NW 27 <sup>th</sup> Ave.)	Miami Intermodal Center (MIC) to NW 215 <sup>th</sup> St	12	FDOT-6	FDOT \$6.0M DTPW (PTP) \$2.286M	\$1,944M (Elevated Fixed Guideway Rapid Transit)	<ul style="list-style-type: none"> <li>TPO Resolution #01-15 authorized the development of the PD&amp;E (Study began June 2016)</li> <li>PD&amp;E Funding Source: 100% State</li> <li>TPO Resolution #52-18 selected elevated fixed guideway transit as the LPA in Dec. 2018</li> <li>TPO Resolution #55-19 selected Elevated Heavy Rail as the preferred transit technology in Oct. 2019</li> <li>Anticipated PD&amp;E Completion date: Fall 2021</li> </ul>
Northeast Corridor (Tri-Rail Coastal Link / FEC Corridor)	Downtown Miami to City of Aventura (Miami-Dade segment)	13.5	FDOT-4; DTPW	FDOT \$5.7M DTPW (PTP) \$1,143,000	\$479M	<ul style="list-style-type: none"> <li>PD&amp;E is being conducted by FDOT-4</li> <li>Long-term Project: FDOT-4 is lead agency; Short-term Project: DTPW is lead agency</li> <li>Passenger Rail Service project is under construction (Brightline - private sector)</li> <li>DTPW is improving transit services along Biscayne Boulevard</li> </ul>
South Dade Transitway Corridor	Florida City to Dadeland South Metrorail Station	20	DTPW	DTPW \$7.0M	\$308M (BRT)	<ul style="list-style-type: none"> <li>TPO Resolution #35-16 authorized the development of the PD&amp;E (Study began March 2017)</li> <li>PD&amp;E Funding Source: 100% CITT</li> <li>TPO Resolution #31-18 selected modified enhanced BRT as the LPA in August 2018</li> <li>TPO Resolution #32-18 authorized the programming of local funds to facilitate the implementation of premium transit infrastructure</li> <li>Submitted \$100M Small Starts application to FTA in August 2019</li> <li>BRT scheduled to begin operation by 2022</li> </ul>

Note: \$3M of PTP funds have been committed as TPO consultant support for SMART Plan PD&E activities (Project S3001590)

# Strategic Miami Area Rapid Transit (SMART) Plan



Miami-Dade Transportation  
Planning Organization



SAFE. CONVENIENT. RELIABLE.

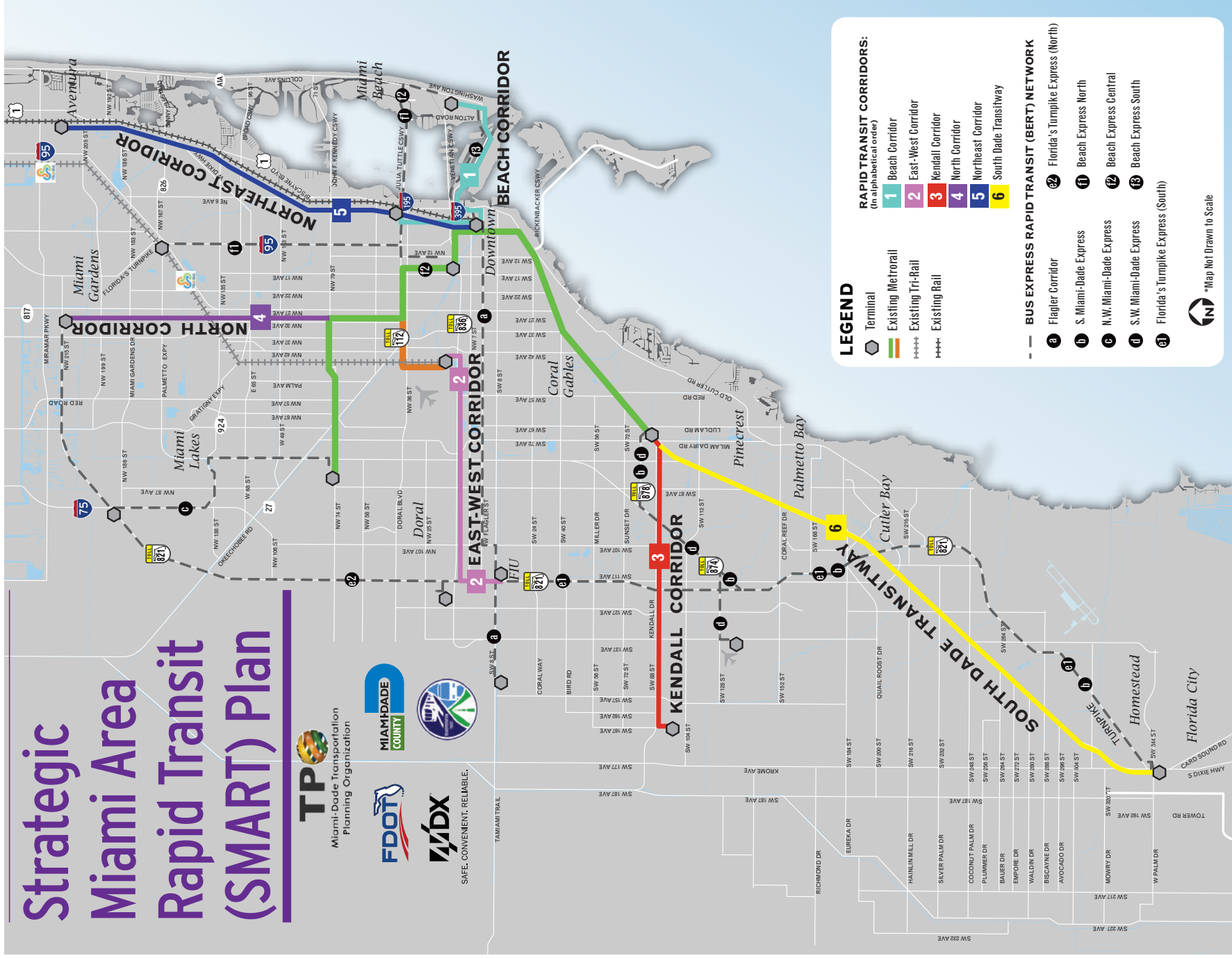


Figure 6-1: Strategic Miami Area Rapid Transit (SMART) Plan





**Table 6-2: SMART Plan - Bus Express Rapid Transit (BERT) Network**

BERT Network Route #	Project Name	Destinations	Project Description	Project Length (Miles)	Cost (\$000s)		Total # of Buses
					Capital Cost	O&M (Annual)	
a	Flagler Corridor	Tamiami Station/SW 147 <sup>th</sup> Ave to Downtown Miami; Dolphin Station to Downtown Miami; Panther Station to Downtown Miami	In 2016, FDOT initiated a PD&E study to examine implementation of BRT service and infrastructure improvements along SR-968/Flagler St from SR-821/HEFT to SR-5/US-1/Biscayne Blvd. The primary study objective is to evaluate the implementation of a cost-effective, high-ridership BRT system within the SR-968/Flagler St Corridor that is to be part of an overall interconnected premium transit network. The FDOT project team is currently identifying and refining recommended alternatives. The study is scheduled for completion by mid 2020. DTPW is coordinating the bus purchase component of this project.	20	\$1,140 (DTPW) \$5,000 (FDOT)	\$500 *	10
b	S Miami-Dade Express	SW 344 <sup>th</sup> St Transitway Station/Dadeland North Metrorail Station	Route will provide express bus service from the SW 344 <sup>th</sup> St Park-and-Ride along the Transitway to the Dadeland North Metrorail Station. Headways will be 10 minutes during peak hours and 30 minutes between 9:30 A.M. -3:00 P.M. Project will also include park-and-ride lots located SW 152 <sup>nd</sup> St and Turnpike, SW 211 <sup>th</sup> St and Turnpike, and SW 288 <sup>th</sup> St and Turnpike, plus needed roadway updates.	25.3	\$14,040	\$5,294	17
c	NW Miami-Dade Express	American Dream Mall Station / I-75/Miami Gardens Dr Station / Palmetto Metrorail Station	Route will provide express bus service from the American Dream Mall Station to the I-75/Miami Gardens Dr Station to the Palmetto Metrorail Station. Headways will be 10 minutes during peak hours.	9.5	\$3,240	\$967	4
d	SW Miami-Dade Express	Miami Executive Airport/ Dadeland North Metrorail Station	Route will provide express bus service from the Miami Executive Airport to the Dadeland North Metrorail Station. Headways will be 10 minutes during peak hours. Project will also include a park-and-ride lot located at Miami Executive Airport, plus needed roadway updates.	9	\$4,320	\$1,223	5
e1	Florida's Turnpike Express (South)	344 <sup>th</sup> St Transitway Station/ Panther Station/Dolphin Station	Route will provide express bus service from the SW 344 <sup>th</sup> St Park-and-Ride/Transit Terminal Facility along the Turnpike to Panther and Dolphin Stations. Headways will be 10 minutes during peak hours and 30 minutes during off-peak hours. Project will also include park-and-ride lots located at SW 152 <sup>nd</sup> St and Turnpike, SW 211 <sup>th</sup> St and Turnpike, and SW 288 <sup>th</sup> St and Turnpike, plus needed roadway updates.	30.5	\$11,880	\$4,538	14
e2	Florida's Turnpike Express (North)	FIU Panther Station/Dolphin Station/Miami Gardens Station/American Dream Mall Station/Unity Station	Route will provide express bus service from the FIU Panther Station to the Dolphin Station, I-75/Miami Gardens Dr Station and the American Dream Mall Station. Headways will be 15 minutes during peak hours and 30 minutes during off-peak hours. Final stop at Unity Station.	25.6	\$5,400	\$2,039	6
f1	Beach Express North	Golden Glades Multimodal Transportation Facility/ Earlington Heights Metrorail Station/Mt Sinai Transit Terminal/Miami Beach Convention Center	Route will provide express bus service from Golden Glades Multimodal Transportation Facility to the Earlington Heights Metrorail Station, the future Mt Sinai Transit Terminal, and the Miami Beach Convention Center. Headways will be 10 minutes during peak hours and 20 minutes during off-peak hours. Saturday and Sunday service will also provide headways of 20 minutes. Service span will be from 5:00 A.M. to 12:00 A.M. Project will also include a park-and-ride lot located at Mt. Sinai, plus needed roadway updates.	20	\$17,260	\$7,664	18
f2	Beach Express Central	Civic Center Metrorail Station/Miami Beach Convention Center	Route will provide express bus service from Civic Center Metrorail Station to the Miami Beach Convention Center. Headways will be 15 minutes during peak hours and 30 minutes during off-peak hours. Service span will be from 5:30 A.M. to 12:00 A.M. Project will also include a park-and-ride lot located at Mt. Sinai, plus needed roadway updates.	8	\$5,400	\$2,074	6
f3	Beach Express South	Miami Central Station/ Miami Beach Convention Center	Route will provide express bus service from Miami Central Station to the Miami Beach Convention Center. Service will run all day seven days a week with 15 minute headways. Saturday and Sunday service will provide headways of 20 minutes. Service span will be from 5:00 A.M. to 12:00 AM.	6.7	\$6,480	\$3,387	6

Note: \$2M of PTP funds have been committed for a planning study which addresses the entire BERT Network (Project S3001340)(Excludes Flagler Corridor as it is an FDOT project)

\* O&M number reflects enhancements only, and does not include funds to run the route, as the schedule is still in development.

# Express Bus System Vision

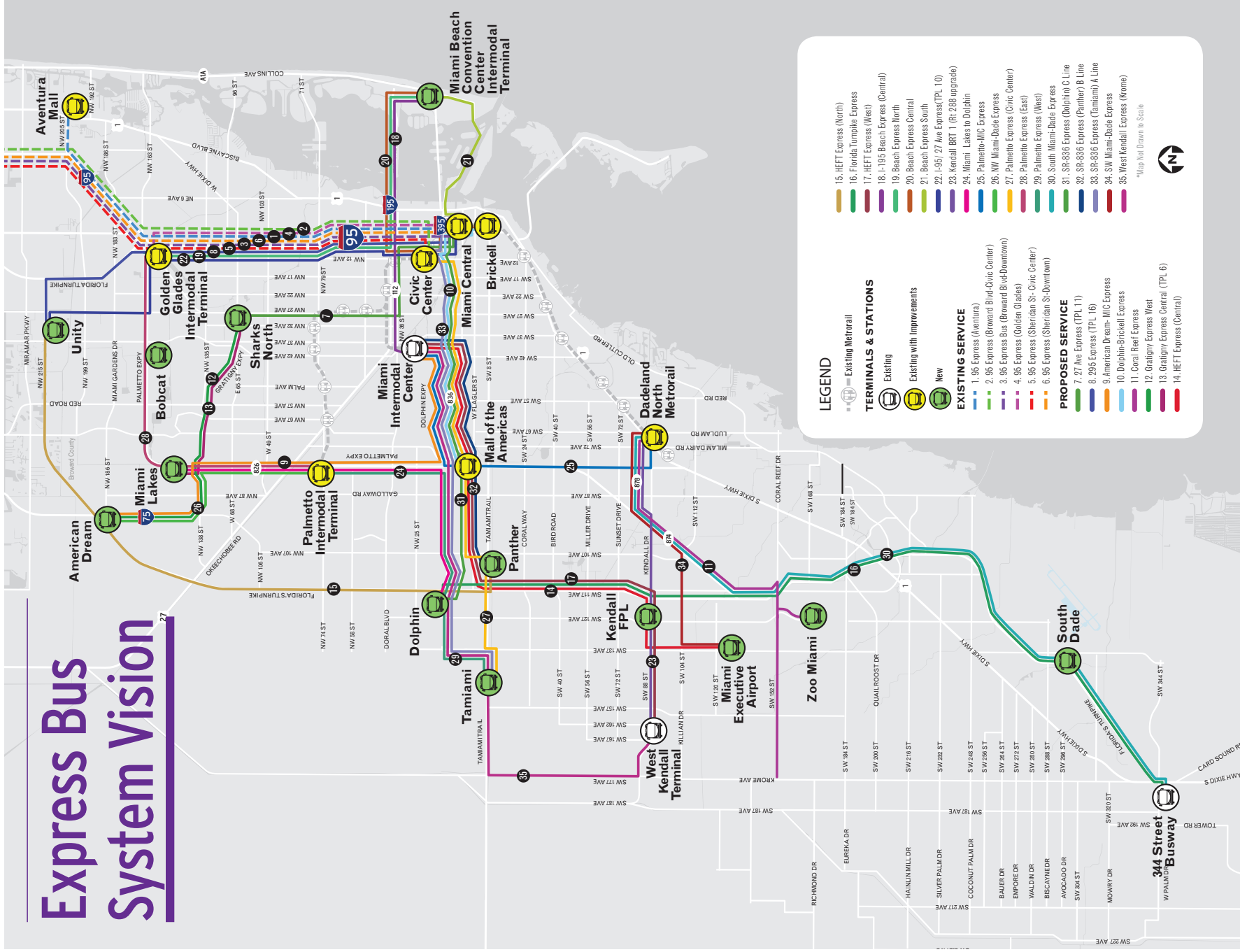


Figure 6-2: Miami-Dade County Express Bus System Vision



## 6.2. SMART Demonstration Program

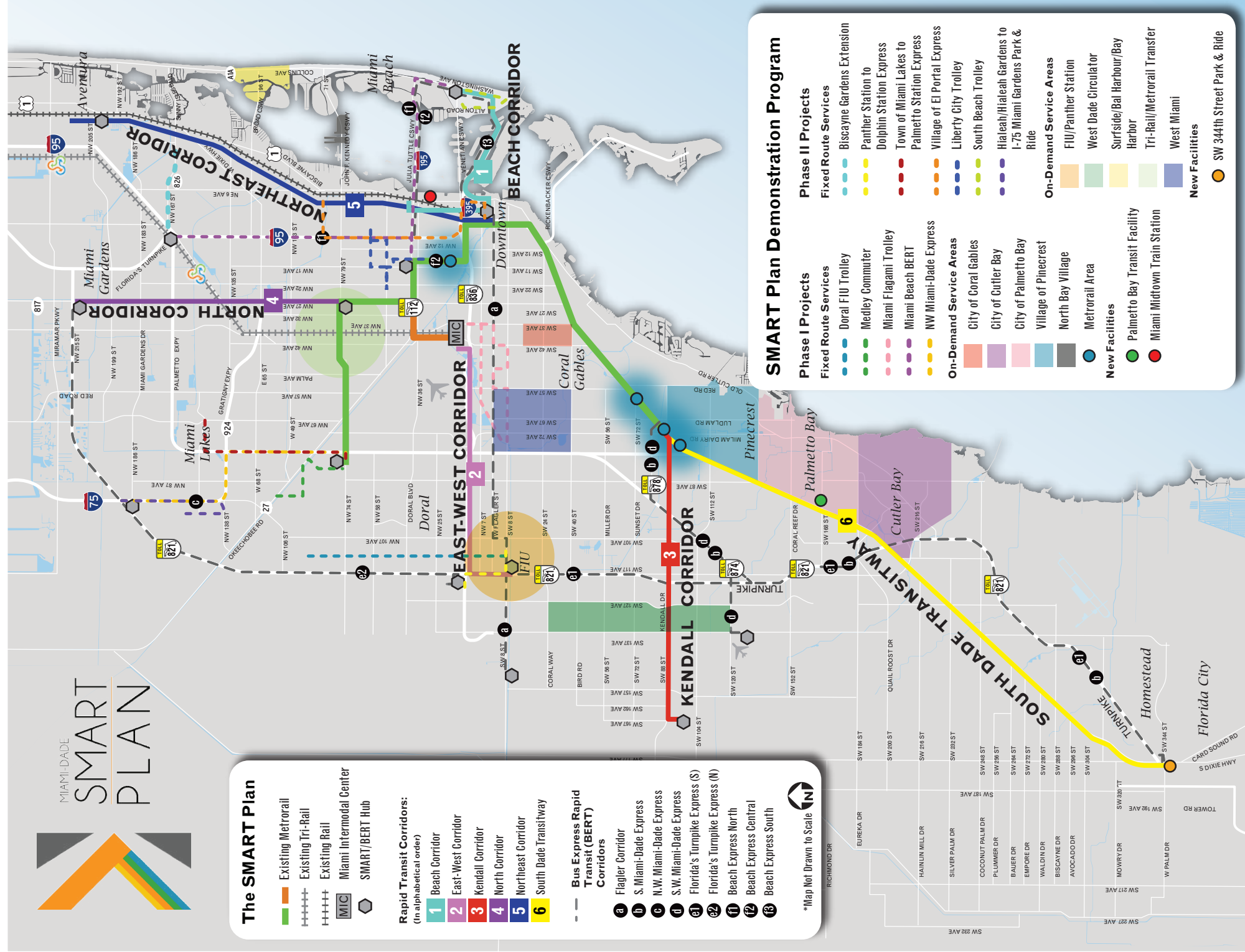
The Miami-Dade TPO in partnership with FDOT, Miami-Dade County, SFRTA, and local municipalities, have coordinated to identify and implement a program of demonstration projects that advance elements of the SMART Plan, including the BERT Network. These projects must have a duration of three years or less. If deemed successful, sponsoring agencies are committed to continue funding the projects.

Phase I of the program was adopted by the TPO board in June of 2018, and is included in the Adopted Work Program for fiscal years 2020-2024. Phase II was adopted in October 2019, and is included in the Tentative Work Program for fiscal years 2021-2025. These projects are listed in Table 6-3, and their locations are illustrated in Figure 6-3.

**Table 6-3: SMART Demonstration Program**

Phase I Projects - In Service			Phase II Projects - In Service		
Sponsor	Project	Date	Sponsor	Project	Date
City of Miami	Flagami Trolley Service	July 2018	City of Miami Beach	South Beach Trolley Service	January 2018, adjusted 2019
City of Doral	Doral FIU Trolley Service	Sept. 2018	City of Miami	Liberty City Trolley Service	August 2019
City of Coral Gables	On-Demand Flex Service	January 2019	Phase II Projects - Pending		
Village of Pinecrest	On-Demand Response Service	January 2019	DTPW	West Dade On-Demand Service	
North Bay Village	SMART Feeder Route	July 2019	DTPW	SW 344 <sup>th</sup> St Park-and-Ride Station	
Village of Palmetto Bay	On-Demand Transit Service	July 2019	DTPW	Panther Station to Dolphin Station Express Service	
Village of Palmetto Bay	Transit Facility	July 2019	Miami Lakes	Express Service to Palmetto Metrorail Station	
Phase I Projects - Scheduled			Surfside Bal Harbour Bay Harbor	On-Demand Service	
Town of Medley	Central Commuter Route	Winter 2020	El Portal	Express Service to MiamiCentral Station	
Town of Cutler Bay	On-Demand Service	Fall 2020	FIU	FIU/Panther Station On-Demand Service	
DTPW	Civic Center Metrorail Station On-Demand Service	Fall 2020	City of Hialeah	Hialeah/Hialeah Gardens to I-75 Miami Gardens Park-and-Ride	
DTPW	South Miami Metrorail Station On-Demand Service	Fall 2020	DTPW	West Miami On-Demand Service	
DTPW	Dadeland North Metrorail Station On-Demand Service	Fall 2020	DTPW	Biscayne Gardens Route Extension	
DTPW	Dadeland South Metrorail Station On-Demand Service	Fall 2020	City of Hialeah	Tri-Rail/Metrorail Transfer Station On-Demand Service	
SFRTA	NE Corridor Midtown/Design District Station	FY 2022			

Figure 6-3: SMART Plan Demonstration Program







### 6.3. Other Transit Operations Projects

Table 6-4 presents a list of funded and unfunded transit operations projects that will be implemented within the MDT10Ahead planning horizon over the next ten years.

**Table 6-4: Transit Operations Projects FY 2021 - 2030**

Map ID #	Project Name	Location	Project Description	Cost - 2019 (\$000s)		2045 LRTP Plan Period and TPO Project Numbers	Other Project Numbers
				Capital Cost	Annual O&M Estimates		
FUNDED							
1	SR-836 Express Bus A Line Express	Tamiami Station (SW 8 <sup>th</sup> St at SW 147 <sup>th</sup> Ave.) to Downtown Miami Government Center	Premium express transit service along SR-836 from Tamiami Station (SW 8 <sup>th</sup> St at SW 147 <sup>th</sup> Ave) to the Downtown Miami Intermodal Terminal (NW 1 <sup>st</sup> St at NW 1 <sup>th</sup> Ave) via SW 8 <sup>th</sup> St, SW 137 <sup>th</sup> Ave and SR-836. Headways will be 10 minutes during the AM/PM peak-hour. Service hours (peak period only) are weekdays 6:00 A.M. to 9:00 A.M. and 3:00 P.M. to 7:00 P.M. DTPW is coordinating with MDX to potentially operate this service.	\$43,680	\$3,628	TA4389701 TA4310773 TA21	P6730101 S3001044
2	SR-836 Express Bus B Line Express	Panther Station (FIU at SW 109 <sup>th</sup> Ave and SW 8 <sup>th</sup> St) to the MIC	Premium express transit service between Panther Station at FIU's MMC and the MIC, via SW 8 <sup>th</sup> St, the HEFT and SR-836. This route will operate all day with 20 minute headways. Service hours are 6:00 A.M. to 10:00 P.M. on weekdays. DTPW is coordinating with MDX to potentially operate this service.	Total cost included as part of Line A	\$2,253	TA4389701 TA4310773 TA21	P6730101 S3002065 FM 446684-1
3	SR-836 Express Bus C Line Express	Dolphin Station (NW 12 <sup>th</sup> St at NW 122 <sup>nd</sup> Ave)to Downtown Miami Government Center	This route would provide premium express transit service along SR-836 from the proposed park-and-ride/transit center Dolphin Station (NW 12 <sup>th</sup> St and HEFT) to the proposed Downtown Miami Intermodal Terminal (NW 1 <sup>st</sup> St and NW 1 <sup>st</sup> Ave). This route will operate during peak periods only. Service headways will be 10 minutes during the A.M./P.M. peak-hour.	Total cost included as part of Line A	\$3,057	TA4389701 TA4310773 TA21	P6730101
4	27 <sup>th</sup> Ave Express	27 <sup>th</sup> Ave from Unity Station (NW 215 <sup>th</sup> St) to the MIC	Implement Express Bus service in express lanes during A.M. and P.M. peak period .	\$2,286	\$3,240	Unfunded	S3001043
			Funded Transit Operations Projects FY 2021 - FY 2030 TOTAL COST (\$000s)	\$45,966	\$12,178		
UNFUNDED							
5	Kendall BRT	From West Kendall Transit Terminal (Kendall Drive and SW 162 <sup>nd</sup> Ave) to Dadeland North Metrorail Station	Implement Express Bus Service.	\$64,350	\$1,510	Funded	N/A
30	Beach Express North (BERT)	GGMTF/ Earlington Heights Metrorail Station/Mt Sinai Transit Terminal/Miami Beach Convention Center	Express bus service from GGMTF to the Earlington Heights Metrorail Station, the future Mt Sinai Transit Terminal, and the Miami Beach Convention Center. Headways will be 10 minutes during A.M./P.M. peak/30 minutes during off-peak. Saturday service headways will be 20 minutes during peak/30 minutes in off-peak; Sunday service headways will be 40 minutes during peak hour/60 minutes in off-peak hours. A service span from 5:00 A.M. to 12:00 A.M. Service will include 10 new articulated buses. Project is now partially funded for three years.	\$17,260	\$7,664	Plan Period I #1	N/A
31	Beach Express Central (BERT)	Civic Center Metrorail Station/Miami Beach Convention Center	Express bus service from Civic Center Metrorail Station to the Miami Beach Convention Center. Headways - 10 minutes during peak hours/20 minutes during off-peak. Service span will be from 5:30 A.M. to 12:00 A.M. Service will include eight new articulated buses.	\$5,400	\$2,074	Plan Period I #2	N/A
6	Beach Express South (BERT)	Miami Central Station/Miami Beach Convention Center	Express bus service from Miami Central Station to the Miami Beach Convention Center. All day service with 10 minute headways. Service Span will be from 5:00 A.M. to 2:00 A.M. Service will operate with 12 articulated buses.	\$6,480	\$3,387	Plan Period I #3	N/A
7	SW Miami-Dade Express (BERT)	Miami Executive Airport/Dadeland North Metrorail Station	Express bus service from the Miami Executive Airport to the Dadeland North Metrorail Station. Ten minute headways during peak hours.	\$4,320	\$1,223	Plan Period I #19	N/A
8	Florida's Turnpike Express (North) (BERT)	FIU Panther Station to I-75/Miami Gardens Station	Express bus service from the FIU Panther Station to Dolphin Station, the I-75/Miami Gardens Dr Station and the American Dream Mall Station. 15 minute headways during peak hours/30 minutes during off-peak hours - will include four new articulated buses.	\$5,400	\$2,039	Plan Period I #5	N/A
9	Florida's Turnpike Express (South) (BERT)	344 <sup>th</sup> St Transitway Park-and-Ride facility to Dolphin Station	Express bus service from the SW 344 <sup>th</sup> St Park-and-Ride/Transit Terminal Facility along the HEFT to Panther and Dolphin Stations. 10 minute headways during peak hour/30 minutes during off-peak hours - will operate with 10 new articulated buses.	\$11,880	\$4,538	Plan Period I #6	N/A

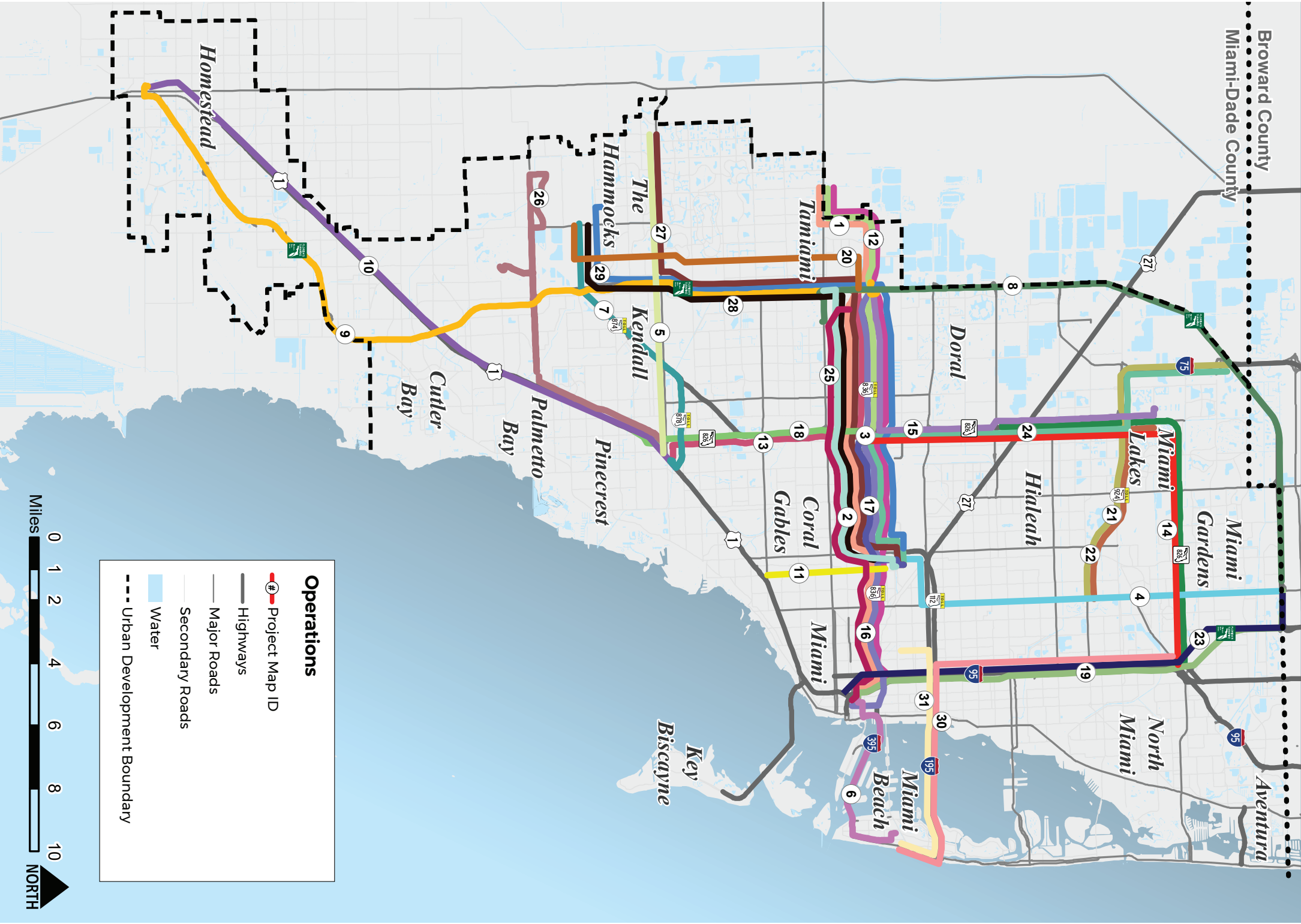


Table 6-4 (Continued): Transit Operations Projects FY 2021 - 2030

Map ID #	Project Name	Location	Project Description	Cost - 2019 (\$000s)		2045 LRTP Plan Period and TPO Project Numbers	Other Project Numbers
				Capital Cost	Annual O&M Estimates		
10	South Miami-Dade Express (BERT)	SW 344 <sup>th</sup> St Transitway Station/Dadeland North Metrorail Station; SW 288 <sup>th</sup> St/HEFT to Dadeland North Metrorail Station	Express bus service from the SW 344 <sup>th</sup> St Park-and-Ride on Transitway to the Dadeland North Metrorail Station as well as from SW 288 <sup>th</sup> St/HEFT to the Dadeland North Metrorail Station. 10 minute headways during peak hours/30 minutes between 9:30A.M. -3:00pm. Service will operate with 9 articulated buses.	\$14,040	\$5,294	Plan Period I #9	N/A
11	Douglas Rd (SW/NW 37 <sup>th</sup> St) Enhanced Bus	U.S. 1 at Douglas Rd (SW/NW 37 <sup>th</sup> St) Metrorail	Incremental improvement on PTP corridor.	\$20,007	\$5,000	Unfunded	N/A
12	Palmetto Express Bus (West)	Tamiami Station (SW 8 <sup>th</sup> St/ SW 147 <sup>th</sup> Ave) to Palmetto Intermodal Terminal	Express bus service on express lanes with 10 minute headways during the AM/PM peak-hour - will include six new articulated buses.	\$1,955	\$4,280	Unfunded	N/A
13	Palmetto Express Bus (South)	Dadeland North Metrorail Station to Dolphin Station (HEFT/NW 12 <sup>th</sup> St)	Express bus service on express lanes with 10 minute headways during the A.M./P.M. peak-hour - will include four new articulated buses.	\$1,139	\$4,590	Unfunded	N/A
14	Palmetto Express Bus (East)	Palmetto Intermodal Terminal to Golden Glades Multimodal Terminal	Express bus service on express lanes with 10 minute headways during the A.M./P.M. peak-hour - will include six new articulated buses.	\$2,108	\$4,400	Unfunded	N/A
15	Palmetto Express Bus (Central)	Dolphin Station (HEFT/NW 12 <sup>th</sup> St) via Palmetto Intermodal Terminal to Miami Lakes Terminal (SR-826 at NW 154 <sup>th</sup> St)	Express bus service on express lanes with 10 minute headways during the A.M./P.M. peak-hour - will include seven new articulated buses.	\$2,155	\$5,130	Unfunded	N/A
16	Palmetto Express (Civic Center)	From Tamiami Station to Civic Center Metrorail Station	Implement Express Bus Service.	\$3,422	\$5,440	Unfunded	N/A
17	Palmetto-MIC Express	From the MIC to Palmetto Intermodal Terminal	Implement Express Bus Service.	\$2,441	\$3,970	Unfunded	N/A
18	Palmetto Express Bus (New)	From Palmetto Intermodal Terminal to 104 <sup>th</sup> St Station/Transitway	Implement Express Bus service on express Lanes.	\$1,308	\$4,590	Unfunded	N/A
19	I-95 Express Improvements	From Unity Station (NW 27 <sup>th</sup> Ave / NW 215 <sup>th</sup> St) to Miami CBD	Implement Express Bus on express Lanes (Turnpike and I-95). Project to include addition of 6 articulated buses.	\$8,388	\$5,440	Unfunded	N/A
20	SW 127 <sup>th</sup> Ave Express	From Tamiami Executive Airport to Dolphin Station	Implement Enhanced Bus.	\$2,101	\$1,920	Unfunded	N/A
21	Gratigny Express Bus (Central)	From Miami Lakes Terminal (NW 154 <sup>th</sup> St / SR-826) to Sharks North Station (NW 119 <sup>th</sup> St and NW 27 <sup>th</sup> Ave)	Implement Express Bus on express lanes.	\$1,154	\$2,510	Unfunded	N/A
22	Gratigny Express Bus (West)	From American Dream Transit Terminal to Sharks North Station (NW 119 <sup>th</sup> St and NW 27 <sup>th</sup> Ave)	Implement Express Bus on express lanes.	\$1,601	\$3,360	Unfunded	N/A
23	I-95/27 <sup>th</sup> Ave Express	Unity Station (NW 215 <sup>th</sup> St) to Government Center Metrorail Station	Implement Express Bus service on express Lanes during A.M./P.M. peak hours.	\$3,361	\$5,440	Unfunded	N/A
24	American Dream - MIC Express	American Dream Transit Terminal to the MIC	Implement Express Bus Service.	\$3,502	\$5,750	Unfunded	N/A
25	Dolphin-Brickell Express	From Dolphin Station to Brickell Station	Implement Express Bus service on express Lanes during A.M./P.M. peak hours.	\$1,781	\$11,170	Unfunded	N/A
26	252 Coral Reef Express	From SW 152 <sup>nd</sup> St / Coral Reef Drive to Dadeland South Metrorail Station	Implement express bus service from Country Walk, SW 152 <sup>nd</sup> St/Coral Reef Drive to Dadeland South Metrorail Station.	\$3,782	\$2,130	Unfunded	N/A
27	West Kendall Express	From West Kendall Transit Terminal (Kendall Drive and SW 162 <sup>nd</sup> Ave) to the MIC	Implement Express Bus Service.	\$4,702	\$7,640	Unfunded	N/A
28	HEFT Express Central	From Miami Executive Airport to the MIC	Implement Express Bus Service.	\$4,262	\$6,910	Unfunded	N/A
29	HEFT Express West	From Kendall FPL to the MIC	Implement Express Bus Service.	\$4,081	\$6,600	Unfunded	N/A
Unfunded Transit Operations Projects FY 2021 - FY 2030 TOTAL COST (\$000s)				\$202,379	\$123,999		



Figure 6-4: Transit Operations Projects FY 2021 - 2030





## 6.4. Funded Capital Projects

Table 6-5 presents a list of funded capital and infrastructure improvement projects which will be implemented within the MDT10Ahead planning horizon over the next ten years.

**Table 6-5: Funded Capital Projects FY 2021 - 2030**

Map ID #	Project Name	Location	Project Description	Cost - 2019 (\$000s)		2045 LRTP Priority and TPO Project Numbers	Other Project Numbers
				Capital Cost	Annual O&M		
1	Panther Station	FIU Modesto A. Maidique Campus (MMC)	FIU constructed a parking garage along SW 8 <sup>th</sup> St with ground floor space reserved for a future transit center. This new facility will provide eight bus bays to accommodate the relocation of the existing DTPW routes from the current bus terminal located near SW 107 <sup>th</sup> Ave and SW 17 <sup>th</sup> St	Cost included in SR-836 Express Bus Line A	TBD	Not in LRTP TA000102	P6730101 S3002065
2	Unity Station (TOD)	NW 215 <sup>th</sup> St and NW 27 <sup>th</sup> Ave	Up to 350 parking spaces are proposed for this 14-acre facility which would serve as the northern terminus of a proposed rapid transit service on NW 27 <sup>th</sup> Ave. This park-and-ride facility also provides strategic TOD opportunities.	\$5,049	\$40	Plan Period I #20 TA19	FM 428011-5
3	Tamiami Station	SW 8 <sup>th</sup> St and SW 147 <sup>th</sup> Ave	Convert an eight acre vacant parcel of land at SW 8 <sup>th</sup> St and SW 147 <sup>th</sup> Ave into a park-and-ride facility for the SR-836 Express routes with up to 493 parking spaces.	\$15,175	\$200	Not in LRTP TA000101 TA4310771/72	P6730101 S3001044
4	Golden Glades Multimodal Transportation Facility (GGMTF)	Golden Glades Interchange	GGMTF is a new transit center that will consolidate existing bus transit services at Golden Glades into a single facility adjacent to the Tri-Rail Station. The center will include a multi-story parking garage, a new multi-bay bus terminal facility, upgraded sidewalks, walkways, platforms, bus bays and all improvements related to transit operations, including internal roads, drainage, lighting systems, fencing, internal directional and traffic control signage. Other amenities will include bicycle parking and lockers. The complex will also feature a transit hub, retail space, and a break lounge for bus drivers. The total project cost, funded by FDOT is approximately \$56.3 million.	\$9,880	\$860	Plan Period II #23 DT2516846	P2000000984 S3002115
5	Dadeland North Metrorail - Elevators	8300 S Dixie Hwy	DTPW is adding two elevators to the existing parking facility at Dadeland North - both elevators will be located at the north end of the structure. DTPW is currently in the consultant selection process for design services. The estimated project completion date is May 2021.	\$7,866	\$0	Not in LRTP	P2000000104 S3001034
6	Transitway at SW 200 <sup>th</sup> St Station (200 <sup>th</sup> St Station) Park-and-Ride	Transitway and SW 200 <sup>th</sup> St	Developer to build: Phase 1: 116 surface parking spaces; Phase 2: 150-space parking garage.	\$6,235	TBD	Private and Developer projects	P671610 S3001027
7	NW 12 <sup>th</sup> St Roadway Improvements (Bus-Only) Project for Dolphin Station	Along NW 12 <sup>th</sup> St between 122 <sup>nd</sup> Ave and 114 <sup>th</sup> Ave	This project includes widening and resurfacing along NW 12 <sup>th</sup> St to add bus-only lanes from NW 122 <sup>nd</sup> Ave to NW 114 <sup>th</sup> Ave. These new bus-only lanes will allow buses to bypass traffic congestion along this segment of NW 12 <sup>th</sup> St and will thereby reduce travel time for buses traveling between the Dolphin Station Park-and-Ride/Transit Terminal and Dolphin Mall. This roadway project is an integral component of the Dolphin Station Park-and-Ride/Transit Terminal Facility.	\$10,745	TBD	Not in LRTP	P671610 S3001030
8	The Underline Phase I - Brickell Backyard Project	Miami River to SW 13 <sup>th</sup> St	The future 10-mile Underline Corridor, running below the Metrorail from the Miami River to Dadeland South Metrorail Station, will create a linear mobility corridor that will enhance connectivity, increase mobility, and improve pedestrian and biking safety for residents and visitors. In 2015, Friends of The Underline, selected a design consultant to develop the Vision and Master Plan for this project. Currently the project is structured in nine phases for development as funding becomes available. The Underline Phase I is known as the Brickell Backyard and extends from the Miami River to SW 13 <sup>th</sup> St, approximately a ½ mile long. The off-road dedicated bicycle path is located along the west side of the Metrorail structure from the Miami River to SW 8 <sup>th</sup> St and between the Metrorail Station and SW 13 <sup>th</sup> St This phase is currently under construction. Construction started on November 1, 2019 and completion is expected on June 2020.	\$16,524	TBD	Not in LRTP as single project NW00055 TA000103	P2000000133 S3000175
9	Aventura Terminal	Biscayne Boulevard at 197 <sup>th</sup> St	Construct Park-and-Ride facility with 100 surface parking spaces.	\$76,700	TBD	Plan Period II #21 MDT216	CIP 224
10	Palmetto Intermodal Terminal (Smart Terminal)	SR-826/Palmetto Expressway at NW 74 <sup>th</sup> St	This project includes the purchase of a semi-vacant 11.8 acre parcel of land located immediately south of the Palmetto Metrorail Station for the purpose of constructing the Palmetto Intermodal Terminal. The project also includes the design and construction of a 1,000 space parking garage including long-term and short-term parking, kiss-and-ride, pool-and-ride, and a minimum of a 12-bus bay terminal.	\$20,570	\$850	Unfunded TA24	P2000000680 S3002129
11	South Dade Transitway	South Dade Transitway from SW 344 <sup>th</sup> St Park-and-Ride to Dadeland South Metrorail Station	Implement Gold Standard BRT along the Transitway.	\$303,460	\$36,000	Plan Period I #10 TAMDT286	P671610 S3002043
12	Transitway at SW 112 <sup>th</sup> Ave Park-and-Ride (Phase 2)	Transitway and SW 112 <sup>th</sup> Ave	Currently 450 parking spaces are available at this location. This project will upgrade existing facility to provide passenger amenities, bus terminals and additional parking spaces.	\$9,563	\$40	Plan Period I #13 new105	P671610 S3001029
13	Transitway at SW 152 <sup>nd</sup> St Park-and-Ride	Transitway and SW 152 <sup>nd</sup> St	Expand Existing park-and-ride, construct new parking garage with 500 parking spaces and four bus bays.	\$10,530	\$450	Plan Period II #27 MDT186 TA201920	P671610 S3001339 FM 439681-1
14	Transitway at SW 344 <sup>th</sup> St Park-and-Ride	Transitway and SW 344 <sup>th</sup> St (SMART Terminal)	DTPW has identified a need to expand the existing end-of-the-line transit terminal/park-and-ride facility at SW 344 <sup>th</sup> St in order to meet future demand for parking along the South Miami-Dade Transitway. This project will increase the number of parking spaces by 96 to a total of 344. The necessary right-of-way acquisition for this project is funded, but the design and construction costs are being developed.	\$11,320	\$250	Plan Period II #32 new101	P671610 S75317

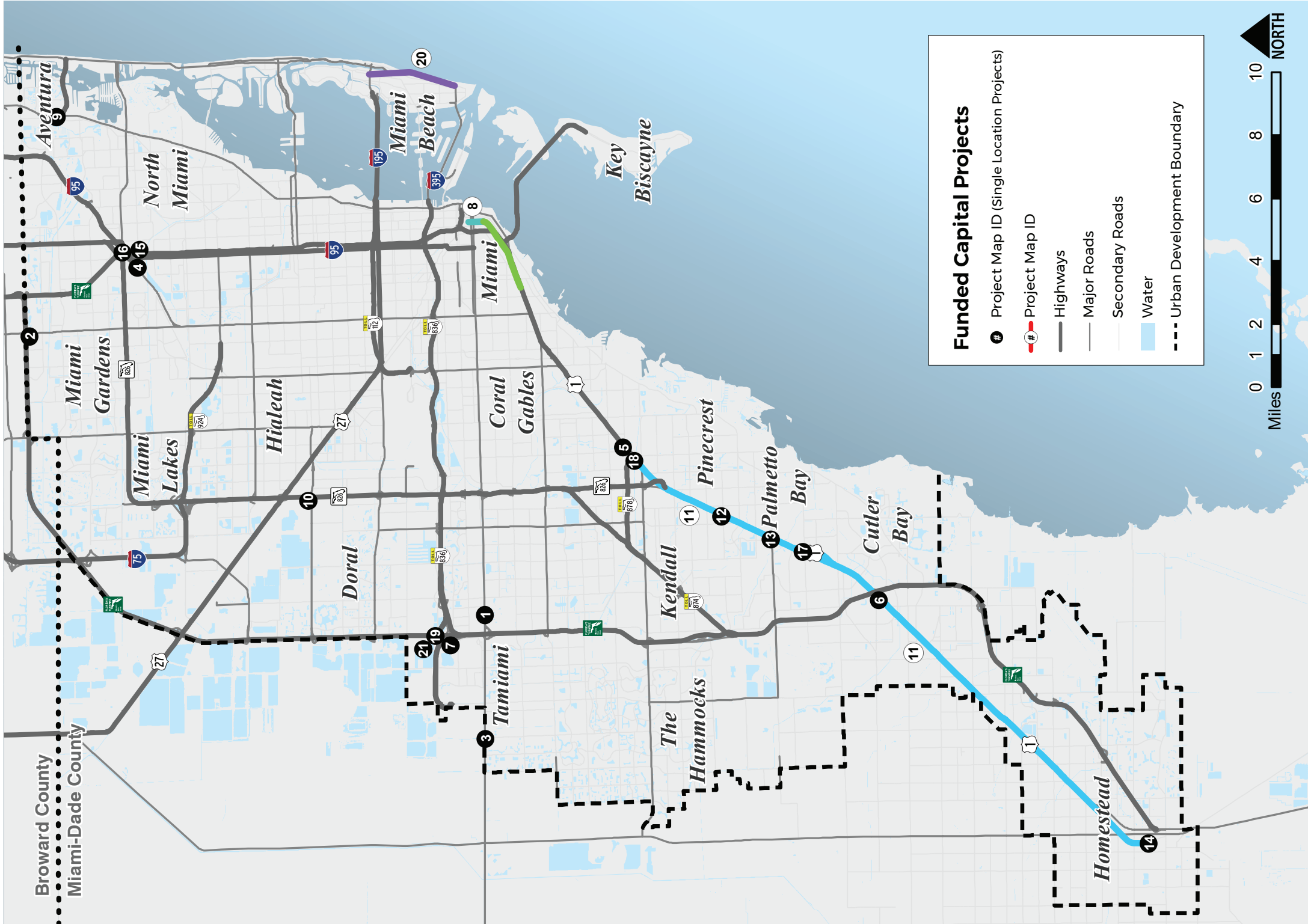




Table 6-5 (Continued): Funded Capital Projects FY 2021 - 2030

Map ID #	Project Name	Location	Project Description	Cost - 2019 (\$000s)		2045 L RTP Priority and TPO Project Numbers	Other Project Numbers
				Capital Cost	Annual O&M		
15	Golden Glades Multimodal Transportation Facility - IT Components	Golden Glades Interchange (SMART/BERT Terminal)	Construction/implementation of technological components for the Golden Glades Multimodal Transportation Facility, to include, but not limited to, wi-fi, security access control systems, CCTV, real-time signage, ticket vending machines, emergency phones/call boxes, electric vehicle charging stations, advanced parking management systems, and electrical/physical infrastructure components.	\$9,893	\$1,500	Plan Period II #23 new120 TA201923	New
16	Sunshine State Industrial Park Kiss-and-Ride Connector / Transit Terminal Facility (BERT)	NW 159 <sup>th</sup> Dr (adjacent to the Golden Glades Multimodal Transit Facility) (SMART/BERT Terminal)	DTPW, in coordination with the city of Miami Gardens and FDOT, proposed construction of a kiss-and-ride / transit terminal facility on the west side of the South Florida Rail Corridor (SFRC) just north of the Golden Glades Tri-Rail Station, with a connection via a fully covered and illuminated pedestrian/bicycle overpass. Metrobus as well as City of Miami Gardens trolleys would serve facility. Right-of-way acquisition is required.	\$17,580	\$60	Plan Period I #87	P2000000984 S3002114
17	Transitway at SW 168 <sup>th</sup> St (Richmond Dr) Park-and-Ride	South Dade Transitway at SW 168 <sup>th</sup> St (Richmond Dr)	Upgrade the existing park-and-ride facility in two phases. Phase 1 includes adding approximately 90 additional surface parking spaces. Phase 2 includes a modernized 450-space parking garage with enhanced amenities.	\$9,000	\$40.0	Plan Period I #15 MDT187 TA201920	P671610 S3002157
18	Dadeland South Park-and-Ride Expansion	Dadeland South Metrorail Station	Expand existing 1,254 space overcapacity park-and-ride facility. Construct a new 1,000 space parking garage with ground-floor retail and office space.	\$50,512	\$60	Plan Period I #33 MDT189	P2000001203 S3002252
19	Dolphin Station Transit Terminal	NW 12 <sup>th</sup> St at HEFT	This project includes construction of a park-and-ride lot at the existing Dolphin Station.	\$13,429	TBD	Not in L RTP	P671610 S3001026
20	Beach Express South - Transit-Only Lanes	Along Washington Ave on Miami Beach from 5 <sup>th</sup> Ave to Dade Blvd (Beach Express South)	Design and construction of transit-only lanes. Project includes exclusive bus lanes, signing, new thermoplastic markings, colored asphalt passenger shelter bulb outs, minor drainage improvements and updated traffic controls.	\$9,600	TBD	Not in L RTP	P2000001205 S3002256
21	Direct Ramps to Dolphin Station Intermodal Terminal from SR-836	SR-836 and Dolphin Station Transit Terminal Facility	Construct direct access ramps to connect SR-836 to Dolphin Station Transit Terminal.	\$46,170	TBD	Unfunded	XA83634
N/A	South Dade Transitway	Transitway Service Improvements Project	Procurement of transit vehicles for the South Dade Transitway.	\$19,252	TBD	Not in L RTP TA201924 TA4404501	None
N/A	East West Corridor Transit Oriented Development (TOD) Project	Generally along SR-836 between the MIC and FIU	The East-West Corridor is one of six premium transit corridors included in the SMART Plan as endorsed by the Miami-Dade TPO Governing Board. DTPW will conduct a comprehensive planning effort that will inform transit and land use planning in the East-West Corridor, a 12-mile corridor linking the Miami Intermodal Center with Florida International University and the western communities of Miami-Dade County. In June 2016, DTPW submitted a grant application to FTA under the TOD Planning Pilot Program. In October 2016, FTA awarded \$960,000 to DTPW for this project. DTPW is currently finalizing a draft scope of services for this project.	\$1,200	TBD	Not in L RTP	P672670 S3001347
N/A	Automated Fare Collection System	Countywide	Procurement of state-of-the-art fare collection equipment that meets overall and property specific requirements for security, functionality, and fare media interoperability.	\$67,648	TBD	Not in L RTP	P6730051 S68742 CIP058
N/A	Metrorail Refurbishment	Dadeland South Metrorail Station, Government Center, Civic Center and Earlington Heights.	To enhance Metrorail stations in order to elevate the quality of the service by providing the customer with comfort and convenience.	\$76,420	TBD	Not in L RTP	P2000000104 S3000139 CIP134
N/A	Parking Counters at Metrorail Parking Garages	Metrorail Station Parking Garages	Installation of a parking space counting system at 7 Metrorail stations to include Dadeland North, Dadeland South, Earlington Heights, South Miami and Okeechobee, Dr. Martin Luther King Jr., Santa Clara.	\$600	TBD	Not in L RTP TA000107	P2000000104 S3001007
N/A	Bus Tracker and Automatic Vehicle Locating System Update (CAD/AVL)	111 NW 1 <sup>st</sup> St, Miami, Florida/ Countywide Network Update	Continue network upgrade to infrastructure to support real-time Bus Tracking System and replace existing CAD / AVL System.	\$18,646	TBD	Not in L RTP	P673800 S75991
Funded Capital Projects FY 2021 - FY 2030 TOTAL COST (\$000s)				\$852,811	\$40,350		

Figure 6-5: Funded Capital Projects FY 2021 - 2030





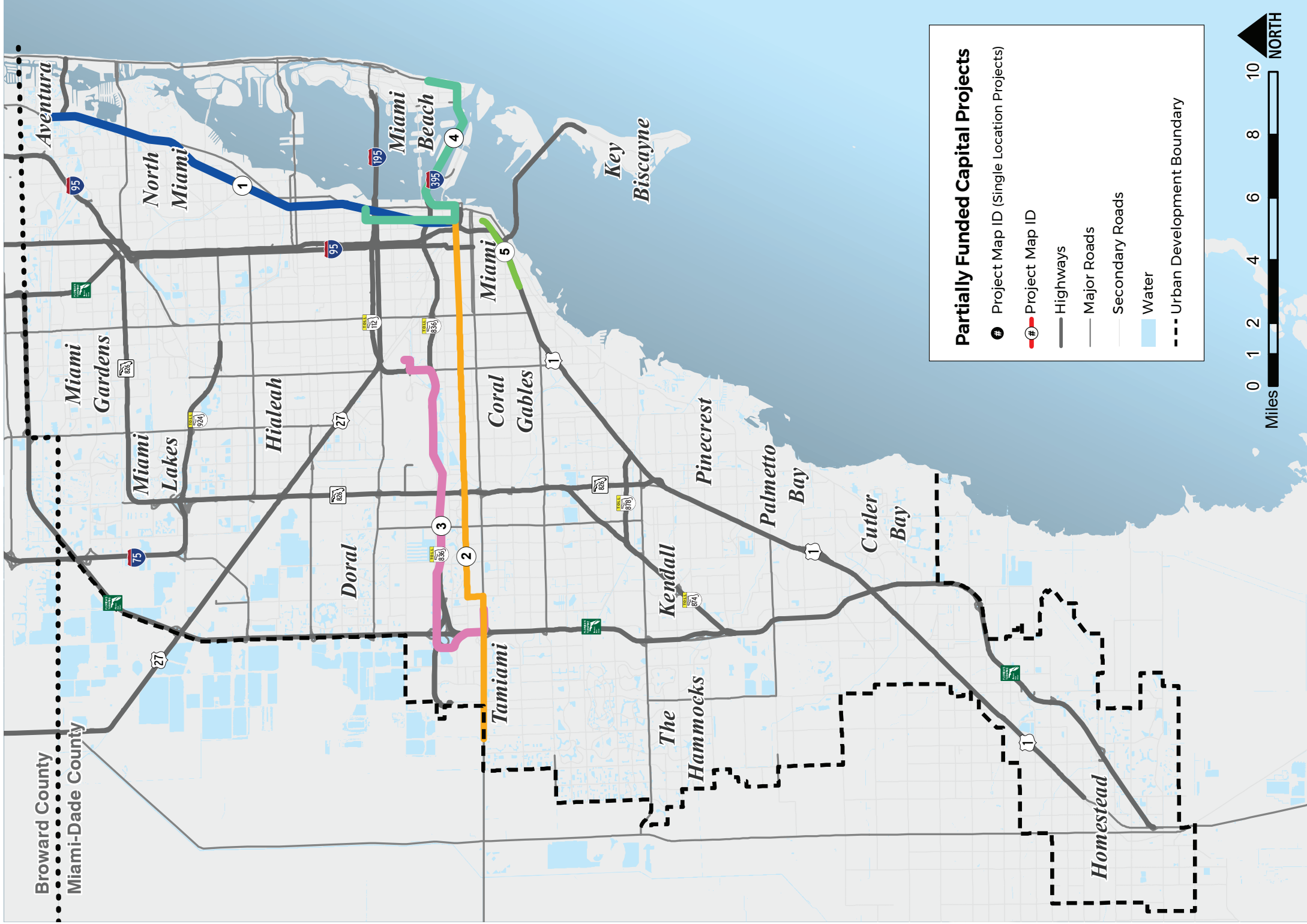
## 6.5. Partially Funded Capital Projects

Table 6-6 presents a list of partially funded capital and infrastructure improvement projects which will be implemented within the MDT10Ahead planning horizon over the next ten years.

**Table 6-6: Partially Funded Capital Projects FY 2021 - 2030**

Map ID #	Project Name	Location	Project Description	Cost - 2019 (\$000s)			2045 LRTP Plan Period and TIP Project Numbers	Other Project Numbers
				Total Capital Cost	Funded Capital Cost	Annual O&M		
1	Northeast Corridor	MiamiCentral Station to Aventura Station	Commuter Rail connecting MiamiCentral Station to Aventura Station (Miami-Dade County portion of project led by FDOT District 4).	\$368,550	\$1,143	\$17,550	Illustrative Partially Funded	P672670 S3002318
2	Flagler Corridor BERT ++ (Flagler Corridor BRT)	Along Flagler from Tamiami Station to Downtown Intermodal Terminal	Implement Bus Rapid Transit Service.	\$62,140	\$1,143	\$35,000	Illustrative Partially Funded (O&M) and Partially Funded #42 TA 14	P672670 S3002329 FM 437782-1
3	East-West Corridor	Florida International University (FIU) MMC campus to the Miami Intermodal Center (MIC) along the SR-836/Dolphin Expressway	This project will provide multimodal solutions for severe traffic congestion along SR-836, the only east-west expressway in central Miami-Dade County. This project will also serve major activity centers including FIU, Miami International Airport, the Miami Intermodal Center (MIC), Downtown Miami, and PortMiami, while transporting riders to and from major employment areas (Doral, Health District, Central Business District, Brickell, etc.). The East-West Corridor is being studied as part of the Strategic Miami Area Rapid Transit, or SMART Plan.	\$2,145,000	\$9,000	\$2,383	Partially Funded #41 TAMDT285	P672670 S3001040
4	Beach Corridor (f.k.a. Baylink) Premium Transit	Midtown Miami to Miami Beach Convention Center	Rapid Transit connecting Midtown/Miami CBD to Miami Beach Convention Center area (Light rail).	\$897,000	\$10,000	\$31,750	Partially Funded #40 TAMDT287	P672670 S77696
5	The Underline Phase II - Hammock Trail	SW 13 <sup>th</sup> St to SW 19 <sup>th</sup> Ave	The future 10-mile Underline Corridor, running below the Metrorail from the Miami River to Dadeland South Station, will create a linear mobility corridor that will enhance connectivity, increase mobility, and improve pedestrian and biking safety for residents and visitors. Phase 2 is approximately 2.14 miles long and extends from SW 13 <sup>th</sup> St to SW 19 <sup>th</sup> Ave. The Design/Build Criteria Package was finalized in July of 2018. The documents were submitted to FDOT for review and we are working through the comments and environmental documentation for compliance with the NEPA Type 1 CE. The Design/Build Criteria package was finalized in July 2018 and the project is currently in procurement for the selection of the Design/Build Firm.	\$18,326	\$2,400	TBD	TAMDT291 MDT291	P2000000133 S3001571
Partially Funded Capital Projects FY 2021 - FY 2030 TOTAL COST (\$000s)				\$3,491,016	\$23,686	\$86,683		

Figure 6-6: Partially Funded Capital Projects FY 2021 - 2030







## 6.6. Unfunded Capital Projects

Table 6-7 presents a list of unfunded capital and infrastructure improvement projects which will be implemented within the MDT10Ahead planning horizon over the next ten years

**Table 6-7: Unfunded Capital Projects FY 2021 - 2030**

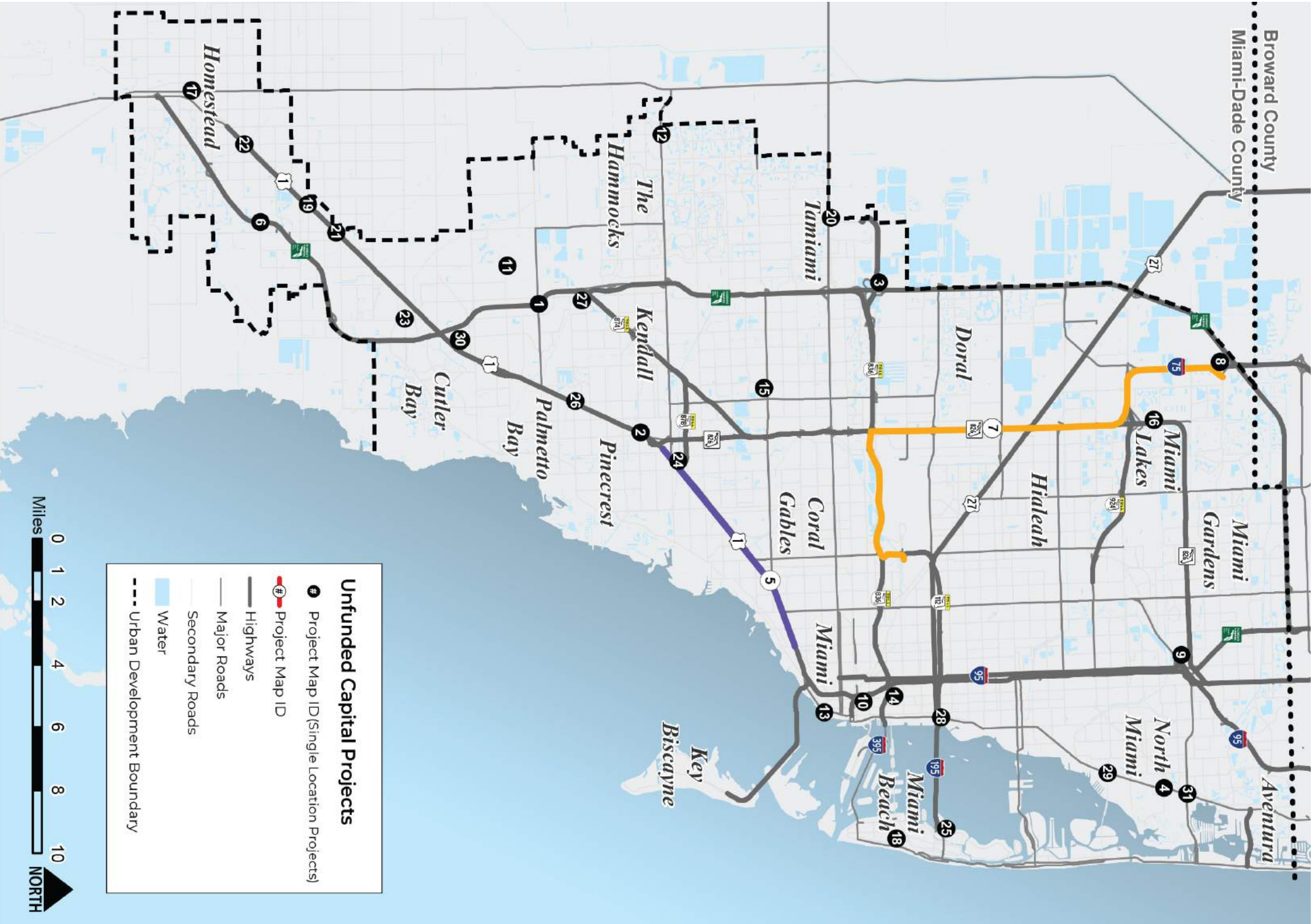
Map ID #	Project Name	Location	Project Description	Cost - 2019 (\$000s)		2045 LRTP Plan Period and TPO Project Numbers	Other Project Numbers
				Capital Cost	Annual O&M		
1	South Dade Park-and-Ride/Terminal at SW 152 <sup>nd</sup> St (Coral Reef Dr) and SR-821 (HEFT) - SMART Terminal	SW 152 <sup>nd</sup> St(Coral Reef Drive) / HEFT	Expand the existing 2 bay / 200 space park-and-ride facility. Construct new parking garage with 500 parking spaces and four bus bays.	\$14,621	\$44	Plan Period II #27 MDT176	None
2	Transitway at SW 104 <sup>th</sup> St Park-and-Ride	Transitway and SW 104 <sup>th</sup> St	Lease park-and-ride facility with 100 parking spaces.	\$0.05	\$50	Plan Period I #12 MDT114	None
3	Direct Ramps to Dolphin Station Transit Terminal Facility	SR-821 (HEFT) Express Lanes to Dolphin Station Transit Terminal Facility	Construct direct access ramps to connect the SR-821 (HEFT) Express Lanes to Dolphin Station Transit Terminal.	\$49,500	N/A	Unfunded XA83634	None
4	NE 151 <sup>st</sup> St and U.S. 1 (Biscayne Boulevard) Park-and-Ride / Transit Terminal	NE 151 <sup>st</sup> St and Biscayne Blvd	Construct park-and-ride (100 spaces) and transit terminal (four bus bays) in anticipation of premium transit service on Biscayne corridor.	N/A	\$10	Unfunded Not in InteracTIP	None
5	Underline Phases III - IX	From SW 19 <sup>th</sup> Ave to Dadeland Boulevard	In addition to Phase 2, DTPW is working with FDOT on the review of the advertisement for the procurement of a company to develop the trail alignment, the design of remaining 24 intersections, all surveys, documents associated with NEPA Type 1 CE, provide standards as developed for Phase 1 and Phase 2 and provide design direction on specific landscaping and amenities associated with each of the segments. The scope will include cost estimates. Once finalized, the document will allow FDOT to assist in the improvements of intersections because the path alignment will be created. It will allow for funding allocation in more detail based on specific scope and will allow DTPW to quickly procure the rest of the segments as soon as the funding becomes available.	\$110,270	\$15,400	Plan Period I #55 DT4441981	CIP 235
6	South Dade Park-and-Ride	HEFT and SW 288 <sup>th</sup> St	Purchase land for the construction of a Park-and-Ride facility.	\$33,981	\$40	Plan Period II #31 new113	None
7	Miami Gardens – MIC Express	Miami Gardens Station (Miami Gardens Mall) to MIC	Express bus service from Miami Gardens Station to MIC - will include four new articulated buses.	\$2,155	\$2,800	Unfunded	None
8	American Dream Mall Transit Terminal	East of HEFT and west of I-75 between NW 170 <sup>th</sup> St and the intersection of I-75 and HEFT	Construct Transit Center with 10 bus bays, 2 layover bus bays, passenger waiting areas, bus operator comfort station, ticket vending and other transit amenities. The construction and operating and maintenance costs are privately funded.	N/A	\$0	Private and Developer projects	None
9	Sunshine State Industrial Park Kiss-and-Ride Connector / Transit Terminal Facility (BERT)	NW 159 <sup>th</sup> Dr (adjacent to the Golden Glades Multimodal Transit Facility) (SMART/BERT Terminal)	DTPW, in coordination with the city of Miami Gardens and FDOT, proposed construction of a kiss-and-ride / transit terminal facility on the west side of the South Florida Rail Corridor (SFRC) just north of the Golden Glades Tri-Rail Station, with a connection via a fully covered and illuminated pedestrian/bicycle overpass. Metrobus as well as City of Miami Gardens trolleys would serve facility. Right-of-way acquisition is required.	\$18,039	\$60	Private and Developer projects	None
10	Downtown Intermodal Terminal (SMART/BERT Terminal)	112 NW 3 <sup>rd</sup> St	Construct new Terminal with approximately 27 bus bays, customer service and passenger waiting areas w/seating, TVMs, video displays, restrooms, security office, support areas (driver comfort area), janitor/supply closet, supervisor booth, 8 parking spaces for transit staff, bicycle parking/station, kiss-and-ride area. Also includes a conversion of NW 1 <sup>st</sup> St to bus drop-off area with 7 saw tooth bus bays, taxi/ jitney areas, landscaping, lighting, and unified directional signage.	TBD	TBD	Unfunded	None
11	Zoo Miami Station	Zoo Miami Park at SW 152 <sup>nd</sup> St	Lease 100 parking spaces.	N/A	\$50	Unfunded	None
12	West Kendall Transit Terminal Improvements	SW 88 <sup>th</sup> St and SW 162 <sup>nd</sup> Ave	Improve bus hub, add Kiss-and-Ride and expand parking facility to 500 structured parking spaces.	\$13,984	\$44	Unfunded	None
13	Metromover Brickell Loop Extension	From Financial District Metromover Station	Extension of Metromover service in the Brickell area.	\$274,968	TBD	Unfunded	None
14	Metromover Omni Loop Extension	From School Board Station	Extension of Metromover service in the Omni area.	\$466,963	TBD	Unfunded	None
15	Senator Villas Park-and-Ride	SW 40 <sup>th</sup> St between SW 89 <sup>th</sup> Ave and SW 89 <sup>th</sup> Ct	Construct a 23-unit affordable senior housing apartment building with an on-site enhanced bus stop and privately funded Park-and-Ride. Improve access to and convenience of transit. Provide park-and-ride capacity for existing and new customers. Help reduce traffic congestion and support economic vitality. Support new SMART Plan, BART, and proposed express bus service.	\$226	TBD	Unfunded	None
16	Miami Lakes Terminal	SR-826 (Palmetto Expressway) at NW 154 <sup>th</sup> St	Construct new park-and-ride facility with eight bus bays to support new express bus service connection. This project is being funded and built by the Town of Miami Lakes.	To be paid by the Town of Miami Lakes	TBD	Unfunded	None



**Table 6-7 (Continued): Unfunded Capital Projects FY 2021 - 2030**

Map ID #	Project Name	Location	Project Description	Cost - 2019 (\$000s)		2045 LRTP Plan Period and TPO Project Numbers	Other Project Numbers
				Capital Cost	Annual O&M		
17	South Dade Homestead Multimodal Transit Terminal	South Dade Transitway at SR-997 (Krome ave.)	The City of Homestead to construct a multimodal transit terminal with approximately 800 parking spaces to be shared with transit users.	N/A	\$0	Unfunded	None
18	Miami Beach City Hall / Convention Center Intermodal Terminal	Miami Beach Convention Center at 17 <sup>th</sup> St & Washington Ave	Construct a transit terminal facility with two bus bays for Local, Express, Max and Future BERT Routes. City of Miami Beach is to pay the estimated project cost of \$3.9 million.	\$4,155	N/A	Unfunded	None
19	Transitway Park-and-Ride at SW 264 <sup>th</sup> St (Bauer Dr) (SW 264 <sup>th</sup> St Station)	South Dade Transitway at SW 264 <sup>th</sup> St	Construct Park-and-Ride facility with 100 surface parking spaces.	\$3,591	\$30	Plan Period I #16 new103	None
N/A	Signage Rebranding of Metrorail Stations and Garages	Metrorail Stations and Garages	Implement modernized and improved signage rebranding at 23 Metrorail stations and 5 Metrorail Garages. Update wayfinding system information to address the needs of locals and visitors using a variety of transportation modes.	\$10,260	TBD	Not in LRTP	None
20	Tamiami Trail Flyover	SW 8 <sup>th</sup> St and SW 137 <sup>th</sup> Ave	Improvements include construction of a reversible flyover bridge at the intersection of SW 8 <sup>th</sup> St and SW 137 <sup>th</sup> Ave, including wide shoulders for exclusive bus-on-shoulder operations, which will provide direct uninterrupted connection to the proposed express transfer service along SR-836/Dolphin Expwy from west Miami Dade County Tamimi Station to Downtown Miami via SW 137 <sup>th</sup> Ave/SR-836 Extension. The reversible flyover would serve the eastbound to northbound movement during the AM peak period, and southbound to westbound movement during the PM peak period.	\$45,220	TBD	Not in LRTP	None
21	Transitway Lot (SW 244 <sup>th</sup> St)	Transitway and SW 244 <sup>th</sup> St (SMART Terminal)	Increase the number of leased parking spaces from 96 spaces to 111 spaces.	\$2,565	0	Plan Period II #30 new104	None
22	Transitway Lot (SW 296 <sup>th</sup> St)	Transitway and SW 296 <sup>th</sup> St (SMART Terminal)	Improve Existing park-and-ride facility with a 400 space parking garage.	\$24,316	360	Plan Period I #17 new102	None
23	Southland Mall	SW 205 <sup>th</sup> St and South Dixie Highway (SMART Terminal)	Lease 100 parking spaces and construct four bay terminal.	\$3,355	80	Plan Period II #18 new112	None
24	Expand Overcapacity Park-and-Ride Facility at Dadeland North	Dadeland North Metrorail Station (SMART Terminal)	Construct a new 1,000-space parking garage with ground-floor retail and office space. Provide additional service and layover bays.	\$53,096	\$85	Plan Period II #28 MDT188	None
N/A	Drop-off / Pick-up at Transitway Stations	All Transitway stops between SW 344 <sup>th</sup> St and Dadeland South Metrorail Station	Drop-off/Pick-up at all (30) Transitway Stations.	\$7,695	\$750	Plan Period I #3 MDT226	None
N/A	U.S.-1 (Transitway)	South Dade Transitway from SW 344 <sup>th</sup> St Park-and-Ride to Dadeland South Metrorail Station	Bus only grade separations at all intersections including and south of 98 St with at-grade stations.	\$323,190	\$260	Plan Period I on Project screened via ETDM #14311	None
25	Mt. Sinai Multimodal Terminal	Southwest corner of Alton Rd and I-195	Construction Transit Terminal with six bus bays.	\$5,643	\$10	Plan Period I #7 new127	None
26	South Dade Transitway Park-and-Ride at SW 136 <sup>th</sup> St (Howard Dr) (136 <sup>th</sup> St Station)	Transitway and SW 136 <sup>th</sup> St (Howard Dr)	Lease 100 parking spaces.	N/A	\$40	Plan Period I #14 MDT112	None
27	SR-874 Ramp Connector Park-and-Ride	SR-874 and SW 128 <sup>th</sup> St	Ramp connector.	\$111,810	TBD	Plan Period I #5 (MDX) XA87410	None
28	Midtown Station	Biscayne Blvd and NE 39 <sup>th</sup> St	Construct Park-and-Ride facility with 100 surface parking spaces.	\$1,539	\$0	Plan Period II #24 new121	None
29	North Miami Station	Biscayne Blvd and NE 125 <sup>th</sup> St	Construct Park-and-Ride facility with 100 surface parking spaces.	\$1,539	\$0	Plan Period II #26 new123	None
30	Transitway Park-and-Ride at Marlin Road	South Dade Transitway at Marlin Road	Construct Park-and-Ride facility with 100 surface parking spaces.	\$2,975	\$30	Plan Period I #11 new107	None
31	North Miami Beach Station	Biscayne Blvd and NE 163 <sup>rd</sup> St	Construct Park-and-Ride facility with 100 surface parking spaces.	\$1,539	\$0	Plan Period II #25 new122	None
Unfunded Capital Projects FY 2021 - FY 2030 TOTAL COST (\$000s)				\$1,587,196	\$20,143		

Figure 6-7: Unfunded Capital Projects FY 2021 - 2030







## 6.7. State of Good Repair Projects

Table 6-8 presents a list of State of Good Repair projects, including the IRP which is funded at a level of \$12.5 million per year. All other projects are fully funded.

**Table 6-8: State of Good Repair Projects FY 2021 - 2030**

Project Name	Project Description	Capital Cost - 2019 (\$000s)	Project Number
<b>IRP Project List</b>			
IRP - Automated Fare Collection System (AFCS) Cloud Migration	Implement enhancement and regional expansions to the Automated Fare Collection System (AFCS) based on the existing Contract 8481-2 22-1. The contract includes an option to purchase additional equipment and service for expansions and modifications.	\$3,000	MDT: IRP263
IRP - Garage Fire Suppression	Replace and upgrade the fire suppression system at four parking garages built with the original Metrorail system: Okeechobee, Dadeland North, Dadeland South and Earlington Heights.	\$579	MDT: IRP012
IRP - Dadeland North Garage Fire Suppression System	Replace and upgrade fire suppression system due to the current break down of the sprinkler heads at the Metrorail Dadeland North parking garage.	\$3,779	MDT: IRP283
IRP - Bus Passenger Shelter Project	Bus Passenger Shelters (design, fabrication and installation of approx. 2,265 shelters throughout unincorporated Miami-Dade County).	\$4,890	MDT: CIP174
IRP - Electric Forklift for Materials Management (5 ea.) and Rail Div. (2 ea.)	Replacement of old forklifts to be used for the daily logistical operational functions (shipping, receiving, loading, unloading, delivering parts for Bus, Rail, Mover and Material Management operations).	\$219	MDT: IRP271
IRP - Emergency Exit at William Lehman Center	Widening of current exit to facilitate in and out emergency vehicle traffic at Palmetto Yard.	\$640	MDT: CIP126
IRP - Fueling Terminal Modernization	Upgrade fueling terminal to IP Base.	\$250	MDT: IRP260
IRP - Hybrid Electric Bus Battery Replacement	Battery Management replacement system in order to keep Hybrid buses in service.	\$4,390	MDT: CIP192
IRP - Hydraulic Mobil Bus Lifts	Purchase of approximately 55 individual hydraulic mobile column lifts for the bus maintenance.	\$389	MDT: OSP202
IRP - Mainline Video Upgrade Phase 2	Enhancement of security video cameras throughout Rail, Mover, Bus and Revenue Island (new and replacements).	\$866	MDT: CIP184
IRP - Metromover Vehicles HVAC Compliance Overhaul & Mover Building A C Replacement	Mover vehicle air condition HVAC system and Mover Building A C replacement in order to comply with EPA requirement as the use of Freon 22 will be banned by EPA by the year 2020.	\$1,345	MDT: IRP270
IRP - Metrorail Bathrooms	Repair and renovate public restrooms at the 30-year-old Metrorail stations.	\$1,865	MDT: IRP215
IRP - Metrorail and Metromover Electronic Real Time Signage	Install LED multi-color electronic signage in all Metrorail Stations and nine Metromover Stations to provide information of Train Arrivals, Train destinations, and next Train Arrivals. The LED signs will be done in conjunction with a new Public Address System project that will synchronize with the visual messages that will be displayed over the LED signage. Message categories will include station messages, train arrival information and emergency messages. The synchronization will provide improved ADA accommodation.	\$386	MDT: IRP172
IRP - Metrorail HVAC Overhaul 40 Railcars	Metrorail air conditioning (HVAC) system overhaul of 40 rail vehicles in order to maintain system functionality, reliability and customer comfort.	\$3,500	MDT: IRP296
IRP - Data Closets Uninterruptible Power Supply (UPS) Replacement	Replace Data Closets Uninterruptible Power Supply (UPS).	\$323	MDT: OSP209
IRP - Metromover Public Address System Replacement	Replace existing Public Address System at all Metromover Stations. The Scope of Work includes the replacement and upgrade of all electronic components in the Paging chain. The distribution wiring will also be upgraded.	\$2,492	MDT: IRP095
IRP - Purchase of 2 HY-Rail Crew cab Trucks	Purchase support vehicles for the Track and Guideway maintenance division.	\$190	MDT: IRP236
IRP - Purchase Rail Wheel Press Machine	Purchase of a new Railcar Wheel Press Machine needed to support the 136 rail cars the department is procuring to replace the existing railcar fleet.	\$1,000	MDT: IRP267
IRP - Railcar Cleaner Platform Replacement Project	Upgrade the existing Cleaning Platform located at the William Lehman Center. The existing wooden platform is in need of constant repair.	\$2,000	MDT: IRP234
IRP - Rail Public Address System Replacement	Replace existing Public Address System at all Metrorail Stations. The Scope of Work includes the replacement and upgrade of all electronic components in the Paging chain. The distribution wiring will also be upgraded.	\$2,592	MDT: IRP096
IRP - Replacement of Tactiles & Barriers at Metromover Stations	Provide detectable warning safety edge tiles and between-car barrier (BCB) system in compliance with the DOT ADA regulations. Each station features two 80 LF Platform Structures and require tiles and BCB on both sides of the platform. The scope includes labor, materials, tools, appliances, equipment and other means of construction for performing and completing the work.	\$440	MDT: IRP255
IRP - Traction Power Crane Truck	Purchase crane truck for Traction Power to be used to perform work related to man-hole covers, high voltage cable pull, and cable spool lifts.	\$100	MDT: IRP214
IRP - Traffic Signal Prioritization Expansion to Congestion Mgmt. Plan Real-Time Connected Vehicles -	Recapitalization of the Metrobus on-board equipment that provides passengers with free Internet access and connectivity for business traffic such as Fare Collection, CCTV, and CAD AVL data. This project replaces field equipment that has been in continuous operation in Metrobus vehicles for the last 7 years and expands the deployment of the entire fleet.	\$800	MDT: IRP265
IRP - Traction Power Three Reel Trailer	Purchase high voltage trailer cable pull and is necessary for the replacement of the 30- year old Traction Power cables.	\$50	MDT: IRP221





Table 6-8 (Continued): State of Good Repair Projects FY 2021 - 2030

Project Name	Project Description	Capital Cost - 2019 (\$000s)	Project Number
IRP - Metrorail and Metromover UPS Rooms HVAC Installation	Install new HVAC systems to provide cooling capacity for all UPS rooms on Metrorail and Metromover.	\$1,682	MDT: CIP171
IRP - Metromover Fire Panel Upgrade	Install new fire panels, sensors and control equipment at the Central Control Facility to monitor fire alarms from all Metromover stations. The new system will allow for Metromover Rail Traffic to monitor the status of all new fire, smoke and heat detectors. The new system will enhance the safety of Metromover patrons.	\$3,307	MDT: CIP172
IRP - Replacement of Diamond Frogs at Culmer Crossover	Replacement of Diamond Frogs at the Culmer Metrorail Station.	\$900	MDT: IRP233
IRP - William Lehman Facility (WLF) - Vehicle Maintenance Bathroom	Contracted services for the renovation of the WLF (6601 NW 72nd ave., Miami, Florida 33166), Vehicle Maintenance Bathroom to ensure proper sanitation for employees working in the Vehicle Maintenance shop.	\$450	MDT: IRP224
IRP - Mainline Video System Upgrade	Installation of IP-HD cameras with analytics throughout the Mainline Track System & Rail Stations, mover stations first level and at all revenue islands and Treasury Office & vault for security reasons.	\$286	MDT: IRP199
IRP - Metromover Traction Power Cable Replacement	Replacement of the damaged traction power cables and wiring on the Metromover system.	\$325	MDT: IRP021
IRP - Hydraulic Mobil Column Bus Lifts (Additional)	Provide 24 sets of four hydraulic column lifts with 70' required communication cables and 60' power cords for DTPW Bus Maintenance.	\$1,118	MDT: IRP107
IRP - Upgrade Chiller Units at Lehman Center	Replace two existing Trane water cooler 110 ton, R-113 chiller units, 3 chilled water pumps and all related controls, piping, valves, wiring etc at the William Lehman Center Facility.	\$650	MDT IRP171
IRP - Rail Programmable Logic Controller Replacement	To replace all ethernet switches at all Metrorail & Metromover stations and at Metromover Maintenance Bldg & at Lehman Center Bldg.	\$1,560	MDT: IRP242
IRP - Traction Power Switchgear Replacement for Rail (Phase 3 Upgrade)	Upgrade to Traction Power Substations.	\$5,000	MDT: IRP299
IRP - Renovate Lehman Center 2nd Floor (Administration)	New office partitions , desks, chairs upgrade phone system etc.	\$750	MDT: IRP306
IRP - Mover Vehicle Mid Life Overhaul	Involves replacement or overhaul of vehicle subsystems, equipment and components for the reliable operation of the Mover fleet.	\$3,214	MDT: IRP300
IRP - Emergency Back up Generators	Installation of electrical generators and transfer switches at Central Bus, NE and Coral Way.	\$440	MDT: IRP109
IRP - Rail EAMS Work Order Module	Info EAMS software tool to implement Work Order module that will be integrated with the existing warehouse module.	\$700	MDT: OSP234
IRP - Metrorail Platform Cabling Replacement	Replacement, disposal and reinstallation of the infrastructure and cabling necessary to support the Emergency Transfer Switch, Emergency Telephone, End Gate Intrusion Alarm and Blue Light at 17 Metrorail Stations.	\$2,805	MDT: IRP276
IRP - Metromover Concrete Removal & Safety Netting Installation	Removal of the existing bottom outside corner of the concrete running pads along the Metromover System's Brickell and Omni Loops at all locations deemed necessary. Work will also include the installation of additional safety netting between existing girders to supplement existing safety netting system.	\$5,250	MDT: IRP315
Other Infrastructure Projects			
Bus Facilities Projects	Provide federal allocation designated for bus and bus facility projects to include the bus garages, plumbing, roofing, fire suppression.	\$21,472	P671560
Underfloor Rail Wheel Truing Machine	Purchase a new Tandem, Underfloor, Railcar Wheel Truing Machine, to support the new railcar procurement of up to 136 rail vehicles. These vehicles will replace the existing 136 railcar fleet. The railcars will be heavy rail married pairs, weighing approximately 83,000 lbs vehicle, using 28 inch wheels and equipped with disc brakes.	\$20,269	P2000000993 S3001017
Escalators Replacement and Elevators Refurbishment	The escalators and elevators in the 21 Metrorail stations in the Department of Transportation and Public Works (DTPW) system require upgrade and or replacement of this equipment over time, the DTPW has requested the services of a consultant to develop a design criteria package for use in future design-build procurements for the design, procurement and installation of this equipment and to develop cost estimates and schedules based on the budget	\$13,760	P673910 S3001039 IRP 144 TAMDT290
AC Unit Substations (Replace All Major Power Components)	Replace existing equipment in the AC unit substations that have been in service since Metrorail first commissioned.	\$15,000	P2000000185 S3001051
10-15 Year Track Equipment Replacement	Replace rail services heavy track equipment. Track Equipment Operators perform oil changes and minor maintenance; no overhauls can be performed. Rail bound equipment cannot be rented and has a 10-15 year life. Major equipment, Kershaw work train, Tamper, KGT Hi-rail, Welders, and light plants have already passed the useful life by over five years.	\$8,268	P6710900 S3001018
Metrorail Switch Machine Improvement	Replace switch machines and cables at the William Lehman Yard and Mainline Area	\$12,320	P2000000104 S3001424
Track and Guideway Rehabilitation Subset	There are several components of this subset, each described further below. All work is performed by in-house staff. In Progress: Coverboard Replacement, Seal Gland Rehabilitation Completed: Mainline Miter Joint Replacement, Palmetto Yard Road Crossing and Mainline Replacement, Metrorail Piers Coating, Acoustical Barrier Replacement, Rail Fastener Replacement	\$610	P6710900 S3000913 CIP 168



Table 6-8 (Continued): State of Good Repair Projects FY 2021 - 2030

Project Name	Project Description	Capital Cost - 2019 (\$000s)	Project Number
Rail Vehicle Replacement	Procurement of new rail vehicles. The original project scope was to refurbish rehab the existing fleet and was later changed via resolution to replace all vehicles.	\$384,777	P6733001 S68750 CIP 134
Metrorail and Metromover Train Control Replacement Project	Replace the existing Metrorail and Metromover relay based train control equipment with vital processor controllers or their equivalent. Project includes software and hardware modifications at Central Control to accommodate the new train control systems.	\$27,281	P2000000993 S3001343
Metrorail Train Wayside Communication Equipment Installation at Rail	TWC Equipment Installation at 21 Metrorail Stations, except MIC and Earlington Heights stations, to interface with the station signs and PA to display the train route information at the platform.	\$8,762	P2000000434 S3001037
Rail Vehicle Replacement	Rail vehicle replacement of 136 car fleet	\$385,813	TA0000022 P6733001 S68750
Bus Replacement	Bus vehicle replacement with CNG and electric vehicles. This project includes bus garage conversions and purchase of charging stations.	\$445,780	P673800 CIP183 TA7
Compressed Natural Gas Buses	Purchase of CNG buses	\$185,850	P673800 S3001647 CIP202
Green Line Rail Component Replacement	The majority of Metrorail track infrastructure is near or exceeded its life cycle. This will replace 40 miles of track along with running rail and fasteners.	\$80,000	P6710900 S3001384 CIP 148
Perimeter Security Fencing at William Lehman	Construction of a decorative, high security perimeter fence and gates	\$4,967	P2000000993 S3002125
Parking Garage Overhaul, Metrorail Stations	Overhaul 6 parking garages from the original 1984 Metrorail construction: Okeechobee, Earlington Heights, Santa Clara, South Miami, Dadeland North, and Dadeland South. A general overhaul at the MLK rail station parking garage. Scope of work includes: metal doors, lighting, parking stops, irrigation, drainage, sump pumps, and plumbing.	\$16,000	P671560 S3000793
Metromover Wayside Overhaul	This project includes the overhaul and repair of all major wayside components.	\$132,964	P673910 S3001385
Disaster Recovery Control Center	Upgrade of the Metrorail Control Center Facility (MCCF), which is currently co-located with Yard Tower Control at the Lehman Yard Facility. Project includes the installation of new workstations, consoles, HVAC, lighting, telephones, a security station, fire alarm detection, facilities monitoring, Traction Power and Train Control status displays, etc.	\$9,855	P2000000993 S3001342
Metrorail Escalators and Elevators Refurbishment	Refurbish and replace elevators and escalators at Metrorail stations. This project includes assessments, design, materials, procurement and construction.	\$68,166	P2000000104 S3001035
Tri-Rail Station Power Sub-station	Purchase new Traction Power Sub Station (TPSS), including all substation equipmnet to be located at the Metrorail Tri=-Rail Station with related site and off-site work.	\$12,000	P2000000104 S3001382
Coverboard Replacement	Replace the coverboard.	\$15,613	P6710900 S3000918
Acoustical Barrier Replacement	Replace the concrete and metal acoustical barrier along Metrorail's guideway system.	\$48,742	P6710900 S3001335
Metrorail Maintenance Vehicle Lifts	Replace Metrorail lifting equipment at the Lehman Center.	\$5,400	P675410 S77620
Government Center Fire Systems	Replace the fire system at the Government Center.	\$3,932	P2000000104 S3001005
Private Branch Exchange Telephone System Upgrade to VOIP	Upgrade telephone system to VOIP.	\$4,042	P2000000434 S3001023
Fiber Optic Repair and Capacity Augmentation	Metrorail fiber optic repair and capacity augmentation.	\$7,500	P2000000434 S3001036



Table 6-8 (Continued): State of Good Repair Projects FY 2021 - 2030

Project Name	Project Description	Capital Cost - 2019 (\$000s)	Project Number
Metrorail and Metromover Electronic Real Time Signage	Metrorail and Metromover Electronic Real Time Signage	\$6,876	P2000000434 S3001025
Security Projects	Transportation security projects	\$4,534	P2000000185 S3001056
Mainline Video Upgrade	Mainline video upgrade Phase 2	\$5,409	P2000000326 S3001904
Replacement Buses	Purchase of replacement buses	\$115,123	P6760101 S3000910
CNG Buses	Purchase of FTA 5339 future CNG buses	\$13,306	P6760101 S3001328
Electric Vehicles	Purchase of electric buses and charging stations	\$35,650	P673800 S3001290 CIP147
Professional Services - Transit's Capital Improvement Plan	Professional services for development of Transit's Capital Improvement Plan	\$7,000	P2000000326 S3001049
Capitalization of Preventive Maintenance and Other Costs	Capitalize preventive maintenance and other costs for Metrobus, Metrorail, Metromover, and specialized transportation	\$831,634	P2000000326 S3000642
Funded State of Good Repair Projects FY 2021 - FY 2030 TOTAL COST (\$000s)		\$3,023,196	

# VISION PLAN: 2030 AND BEYOND

## CHAPTER 7





7. VISION PLAN: 2030 AND BEYOND

In addition to the ten-year plan laid out in Chapter 6, DTPW has developed a program for projects that can be implemented from the 11th year onward. This list consists of a combination of projects that are scheduled for the later years of the 2045 LRTP, as well as DTPW's forecasted long-term needs. Many of these adopted projects are identified as Priority 3 (2031 - 2035), Plan Period 4 (2036-2045), or unfunded projects, which are beyond the 10-year planning horizon of the FY 2021 - 2030 TDP.

7.1. 2045 Long Range Transportation Plan - Priority Transit Projects

Table 7-1 and corresponding maps, Figures 7-1, 7-2, and 7-3 identify DTPW priority projects planned to take place beyond the ten-year threshold of the Implementation Plan presented in Chapter 6. These projects will require consideration by the Miami-Dade TPO for the purposes of amending the 2045 LRTP to promote these projects to Plan Period 1 or 2 time frame.

Table 7-1: 2030 and Beyond Transit Vision Plan

Map ID #	Project Name	Location	Project Description	Cost - (in \$000s)	2045 LRTP Plan Period and TPO Project Numbers
				Capital Cost	
1	Direct Ramps to Palmetto Intermodal Terminal from Palmetto Express Lanes	Palmetto Metrorail Station	Provide greater connectivity and reduce transit travel time.	\$50,787	Unfunded
2	Direct Ramps between the South Dade Transitway and SR-826 (Palmetto) Express Lanes	South Miami-Dade Transitway and SR-826 / Palmetto Expressway	Construct ramps connecting the South Miami-Dade Transitway and SR-826 (Palmetto) Express Lanes.	\$51,813	Unfunded DT4326391 new212
3	Direct Ramps between SR-878 (Snapper Creek Expressway) and Dadeland North Metrorail Station	SR-878 (Snapper Creek Expressway) and Dadeland North Metrorail Station	Construct ramps connecting SR-878 (Snapper Creek Expressway) to Dadeland North Metrorail Station.	\$46,170	Not in LRTP
4	NW 7th Ave Enhanced Bus	NW 7th Ave from Downtown Miami to GGMTF	Premium limited-stop transit service along NW 7 <sup>th</sup> Ave between Downtown Miami and the Golden Glades Interchange park-and-ride facility. Will replace route 77 and MAX route 277. Service headways: 10 minutes during the A.M. / P.M. peak / 20 minutes during mid-day. This route will provide a premium transit connection to the NW 7th Ave Transit Village located at NW 7 <sup>th</sup> Ave and NW 62 <sup>nd</sup> St.	\$38,013	Unfunded
5	Government Center Station (Downtown Miami Development of Regional Impact - Increment III)	101 NW 1 <sup>st</sup> St	Preserve existing transit facilities and equipment. Improve service reliability, safety, quality, convenience, and comfort.	\$14,460	Unfunded
6	Historic Overtown/Lyric Theatre (Downtown Development of Regional Impact - Increment III)	100 NW 6 <sup>th</sup> St	Expand capacity, support connectivity. Preserve existing transit facilities and equipment. Improve service reliability, safety, quality, convenience, and comfort.	\$5,495	Unfunded
7	Collins Avenue Enhanced Bus	Miami Beach Convention Center at 17 <sup>th</sup> St & Washington Ave to Aventura Terminal	Improve the speed, reliability, identify, comfort and convenience of transit.	\$55,619	Unfunded



Table 7-1 (Continued): 2030 and Beyond Transit Vision Plan

Map ID #	Project Name	Location	Project Description	Cost - (in \$000s)	2045 LRTP Plan Period and TPO Project Numbers
				Capital Cost	
8	SW 137 <sup>th</sup> Ave Enhanced Bus Service	Tamiami Station to Caribbean Blvd / US-1	Improve the speed, reliability, identify, comfort and convenience of transit.	\$65,223	Unfunded
9	MDC Sharks Central Station - SMART Terminal	Miami Dade College Kendall Campus - 11011 SW 104 <sup>th</sup> St (Killian Parkway)	Construct Transit Terminal with four bus bays.	\$1,919	Unfunded
10	Dolphin Mall-Dolphin Station Connector Road	Dolphin Mall - Dolphin Station (HEFT/SR-836/NW 12 <sup>th</sup> St)	New cut and cover roadway to connect the Dolphin Mall to Dolphin Station.	\$10,260	Unfunded
11	Park-and-Ride Facility at NW 27 <sup>th</sup> Ave / NW 119 <sup>th</sup> St / Gratigny Parkway	Gratigny Pkwy / NW 119 <sup>th</sup> St / NW 27 <sup>th</sup> Ave	Construct park-and-ride facility with 100 surface parking spaces.	\$14,826	Unfunded
12	NW 7 <sup>th</sup> St Enhanced Bus	Dolphin Station to Government Center	Premium limited-stop transit service along NW 7 <sup>th</sup> St from the proposed park-and-ride/ transit center station at Dolphin Station (HEFT at NW 12 <sup>th</sup> St) to Government Center. Service headways: 10 minutes A.M./P.M. peak-hour/20 minutes mid-day.	\$60,421	Unfunded
13	SW 8 <sup>th</sup> St Enhanced Bus	FIU Panther Station to Brickell Metrorail Station	Premium limited-stop transit service along SW 8 <sup>th</sup> St from FIU Panther Station to the Brickell Metrorail Station. Service headways: 10 minutes A.M./P.M. peak/20 minutes mid-day.	\$69,024	Unfunded
14	Little River park-and-ride	US 1 (Biscayne Blvd/SR-5) & NE 79 <sup>th</sup> St (SR-934)	Lease 100 parking spaces.	\$6,538	Unfunded
15	Civic Center Transit Terminal	Civic Center Metrorail Station (NW 15 <sup>th</sup> St and NW 12 <sup>th</sup> Ave)	Construct transit terminal to increase bus terminal capacity and improve bus circulation.	\$55,619	Unfunded
16	South Dade Transitway Extension to Dadeland North	Transitway between Dadeland South and Dadeland North Metrorail Station	Extend Transitway from Dadeland South to Dadeland North Metrorail Station.	\$10,773	Unfunded
17	SMART - Kendall Corridor (North)	From SW 88 <sup>th</sup> Street to SW 8 <sup>th</sup> Street along SR-821 (HEFT)	New Metrorail service linking Kendall BRT to the East-West Corridor along HEFT.	\$1,095,717	Unfunded
18	Douglas Road (NW 37 <sup>th</sup> St) LRT	Douglas Road Metrorail / U.S. 1 to MIC at MIA	Improve regional and local connectivity. Improve the speed, reliability, comfort and convenience of transit. Serve new markets and support economic vitality.	\$490,428	Unfunded
19	SMART - Kendall Corridor (South)	From U.S. 1 / SW 200 <sup>th</sup> Street to SW 88 <sup>th</sup> Street along SR-821 (HEFT)	Metrorail Turnpike Extension Phase 2.	\$1,550,543	Unfunded
20	72 <sup>nd</sup> Ave / 67 <sup>th</sup> Ave Enhanced Bus	Dadeland North Metrorail Station to Miami Lakes Terminal NW 154 <sup>th</sup> St & SR-826	Convert local route 73 to enhanced bus service.	\$69,624	Unfunded



**Table 7-1 (Continued): 2030 and Beyond Transit Vision Plan**

Map ID #	Project Name	Location	Project Description	Cost - (in \$000s)	2045 LRTP Plan Period and TPO Project Numbers
				Capital Cost	
21	NW 37 <sup>th</sup> Ave Enhanced Bus (North)	MIC at MIA to Unity Station (NW 215 <sup>th</sup> St / NW 27 <sup>th</sup> Ave)	Implement limited stop enhanced bus service.	\$58,020	Unfunded
22	SW 40 <sup>th</sup> St Enhanced Bus	SW 8 <sup>th</sup> St (Tamiami Trail / SR-90 / U.S. 41) to Douglas Metrorail Station	Convert Route 40 to Enhanced Bus.	\$92,432	Unfunded
23	Miller Drive (SW 56 <sup>th</sup> St) Enhanced Bus	SW 147 <sup>th</sup> Ave & SW 8 <sup>th</sup> St (Tamiami Station) to University Metrorail Station	Implement limited stop enhanced bus service.	\$95,433	Unfunded
24	Sunset Drive (SW 72 <sup>nd</sup> St) Enhanced Bus	SW 162 <sup>nd</sup> Ave & SW 88 <sup>th</sup> St (West Kendall Transit Terminal) to South Miami Metrorail	Implement limited stop enhanced bus service.	\$69,624	Unfunded
25	22 <sup>nd</sup> Ave Enhanced Bus	Coconut Grove Metrorail to Golden Glades Interchange	Implement limited stop enhanced bus service.	\$54,819	Unfunded
26	SW 127 <sup>th</sup> Ave Express	Tamiami Executive Airport to Dolphin Station at NW 12 <sup>th</sup> St / SR-821 (HEFT)	Provide a regional connection and serve new markets. Improve the speed, reliability, image, comfort, and convenience of transit. Attract choice riders.	\$2,101	Unfunded
27	NW 183 <sup>rd</sup> St Enhanced Bus	Miami Gardens / I-75 (SR-93) Interchange to Aventura Terminal	Implement limited stop enhanced bus service.	\$58,020	Unfunded
28	Okeechobee Enhanced Bus	SR-821 (HEFT) to MIC at MIA	Implement limited stop enhanced bus service.	\$67,224	Unfunded
29	NW 199 <sup>th</sup> /203 <sup>rd</sup> St Enhanced Bus	Unity Station to Aventura Terminal	Convert local route 99 to Enhanced Bus.	\$30,411	Unfunded
30	2 <sup>nd</sup> Ave Enhanced Bus	Miami Beach Convention Center to Aventura Terminal	Implement limited stop enhanced bus service.	\$106,237	Unfunded
31	17 <sup>th</sup> Ave Enhanced Bus	Vizcaya Metrorail Station to Golden Glades Interchange	Implement limited stop enhanced bus service.	\$86,430	Unfunded
32	Coral Way Enhanced Bus	SW 147 <sup>th</sup> Ave & SW 8 <sup>th</sup> St (Tamiami Trail / SR-90 / US 41) to Brickell Metrorail Station	Implement limited stop enhanced bus service.	\$93,033	Unfunded
33	NW 62 <sup>nd</sup> St Enhanced Bus	Okeechobee Metrorail Station to Biscayne Blvd	Implement limited stop enhanced bus service.	\$30,811	Unfunded
34	NW 103 <sup>rd</sup> St Enhanced Bus	Okeechobee Terminal to US-1/ NE 79 <sup>th</sup> St (Little River Park-and-Ride)	Implement limited stop enhanced bus service.	\$58,821	Unfunded



Table 7-1 (Continued): 2030 and Beyond Transit Vision Plan

Map ID #	Project Name	Location	Project Description	Cost - (in \$000s)	2045 LRTP Plan Period and TPO Project Numbers
				Capital Cost	
35	South Miami Dade Corridor / U.S. 1 (Transitway)	South Dade Transitway from SW 344 <sup>th</sup> Street Park-and-Ride to Dadeland South Metrorail Station	Extend Metrorail.	\$1,174,770	Unfunded
36	87 <sup>th</sup> Ave Enhanced Bus	Palmetto Intermodal Terminal to Transitway at SW 136 <sup>th</sup> St	Convert local route 87 to Enhanced Bus.	\$57,620	Unfunded
37	Kendall / SR-874 Station	Kendall Drive and SR-874	Construct Park-and-Ride facility with 100 surface parking spaces.	\$15,390	Plan Period IV #37
38	Tropical Station	SW 40 <sup>th</sup> Street at SR-826 (Palmetto Expressway)	Upgrade Park-and-Ride facility with 100 surface parking spaces and 4 bus bays.	\$3,488	Unfunded
39	Metrorail / Tri-Rail Bus Hub Improvements	Tri-Rail / Metrorail Transfer Station	Enhance regional connectivity. Develop multimodal transit hub with convenient access to jobs, housing and goods & services. Improve quality, safety, convenience, comfort & accessibility. Serve new markets and increase system integration.	\$2,052	Unfunded
40	NW 7 <sup>th</sup> Street Connection Across HEFT	NW 118 <sup>th</sup> Ave to NW 114 <sup>th</sup> Ave	Provide greater connectivity and reduce travel time.	\$11,286	Unfunded
n/a	Systemwide Off-Street Bus Stop Enhancements	Systemwide	Enhance all off-street bus stops (i.e. malls, parks, libraries, hospitals, etc.) to include new shelters and passenger amenities.	\$2,565	Unfunded
41	Okeechobee Metrorail Station Pedestrian Bridge	Okeechobee Metrorail Station	Construct pedestrian bridge over the canal parallel to Okeechobee Road to connect Miami Springs area.	\$9,990	Unfunded
n/a	South Dade Area Bus Maintenance Facility	South Dade	New bus garage in the south Dade area.	\$52,100	Unfunded
42	Kendall BRT	West Kendall Transit Terminal to Dadeland Area Metrorail Stations (Rt 288)	Rapid Transit connecting the West Kendall Transit Terminal to the Dadeland area Metrorail Stations.	\$320,112	Plan Period IV #36 and Illustrative Partially Funded TA12
43	Okeechobee Terminal	Turnpike (HEFT) & Okeechobee Rd	Support new express bus services. Improve access and convenience. Reduce traffic congestion and promote conservation of environment and energy. Serve new markets.	\$1,601	Unfunded
44	Kendall/SR-826 Station	SW 88 <sup>th</sup> St (Kendall Drive) and SR-826 (Palmetto Expy)	Construct Park-and-Ride facility with 100 surface parking spaces.	\$20,520	Unfunded
45	North Corridor Premium Transit (North Corridor)	Martin Luther King Jr. Metrorail Station to Unity Station (NW 27 <sup>th</sup> Ave / NW 215 <sup>th</sup> Street)	Elevated Fixed Guideway Rapid Transit.	\$1,944,270	Plan Period III #34 and Illustrative Fully Funded





**Table 7-1 (Continued): 2030 and Beyond Transit Vision Plan**

Map ID #	Project Name	Location	Project Description	Cost - (in \$000s)	2045 LRTP Plan Period and TPO Project Numbers
				Capital Cost	
46	Miami Executive Airport Park-and-Ride SMART Terminal	Miami Executive Airport Vicinity	MDX to construct a park-and-ride facility with 75 surface parking spaces and 4 bus bays to serve the SW Miami Dade Express (Route D) and other local routes.	N/A	Plan Period IV #39
47	Intermodal Terminal at SW 88 <sup>th</sup> St / HEFT	SW 88 <sup>th</sup> St (Kendall Drive) at SR-821 (HEFT)	Lease 100 surface parking spaces for park-and-ride/transit center.	\$526	Plan Period IV #35 MDT 160
48	Mall of the Americas Station - SMART Terminal	W Flagler St and NW 77 <sup>th</sup> Ave	A park-and-ride transit terminal facility with four bus bays and 300 parking spaces.	\$6,538	Plan Period IV #38
49	Brickell Metrorail Station (Downtown Miami Development of Regional Impact - Increment III)	1001 SW 1 <sup>st</sup> Ave	The Brickell Station serves as an intermodal station that provides passenger connections with the local circulator (City of Miami Trolley), local fixed route service (Metrobus), regional bus service (BCT I-595 Express) as well as Metromover and Metrorail. The station area is a linear site that spans between SW 8 <sup>th</sup> St and SW 13 <sup>th</sup> St. The primary goal of the Brickell Metrorail/Metromover Station improvements is to enhance passenger and pedestrian access. The recommended implementation plan includes additional bus passenger pick-up/drop areas, additional shuttle pick-up/drop off capacity, a new designated kiss-n-ride area, upgrade pedestrian connections and improve passenger convenience through way finding, upgrade/ADA compliant sidewalks, continuous passenger canopies, and additional bike storage.	\$4,001	Not in LRTP
N/A	Route L (112)	Hialeah Metrorail to Miami Beach Convention Center	Replace existing 17 standard size buses with 21 articulated buses (includes 4 spares). This project will include 21 new articulated buses and the removal of 17 buses from service.	\$20,469	Not in LRTP
50	SW 11 <sup>th</sup> St	Brickell Plaza to SW 1 <sup>st</sup> Ave	Bicycle/pedestrian improvements.	\$4,187	Not in LRTP NW00147
51	252 Coral Reef Express	SW 152 <sup>nd</sup> St (Coral Reef Dr) to Dadeland South Metrorail Station	Implement express bus service from Country Walk, SW 152 <sup>nd</sup> Street/Coral Reef Drive to Dadeland South Metrorail Station.	\$3,782	Unfunded
52	Water Borne Transit Service	Biscayne Bay	Implement two Water Transit Routes - 1. North/South Route - Express route from Haulover Marina (North) to Sea Isle Marina (South) Downtown. 2. East/West Route - Express route from Miami Beach Marina (East) to FEC Inlet/Bay Front Park Trust Dock (West).	\$10,260	Unfunded
53	North Miami Dade Express	GGMTF and I-75 (SR-93) at Miami Gardens Station	Implement Bus Express Rapid Transit service.	\$4,104	Unfunded
54	Miami Gardens - MIC Express	Miami Gardens Station (Miami Gardens Mall) to MIC at MIA	Implement express bus service from Miami Gardens Station to MIC. The project will include the addition of four (4) new articulated buses.	\$2,155	Unfunded



Table 7-1 (Continued): 2030 and Beyond Transit Vision Plan

Map ID #	Project Name	Location	Project Description	Cost - (in \$000s)	2045 LRTP Plan Period and TPO Project Numbers
				Capital Cost	
55	Florida's Turnpike Express (NE)	Miami Gardens Dr (SR-860 / NW 186 <sup>th</sup> St) Park-and-Ride to US 1 NE Transit Hub	Express bus service to serve new markets.	TBD	Unfunded
56	Douglas Road Premium Transit	MIC to Douglas Metrorail	Bus Rapid Transit along NW/SW 37 <sup>th</sup> Ave connecting the MIC and the Douglas Metrorail Station, linking employment centers at MIA and Coral Gables. Incremental Improvement on PTP Corridor.	\$15,390	Not in LRTP MDT 151
57	Coral Reef Zonal Express	Dadeland North Metrorail Station to Zoo Miami Station	South Corridor Zonal Express.	\$18,468	Not in LRTP MDT 170
58	Dolphin Tri-Rail Extension	MIC to Dolphin Mall Area	Implement new passenger rail service on SFRC / CSX tracks along SR-836 / East-West Corridor.	\$143,640	Not in LRTP
59	East -West Corridor BRT with dedicated lanes along SW 8 <sup>th</sup> St	SW 8 <sup>th</sup> St (Tamiami) / SW 147 <sup>th</sup> Ave to MIC	Implement bus rapid transit with dedicated lanes along SW 8 <sup>th</sup> St from SW 147 <sup>th</sup> Ave to the MIC via SR-826 (Palmetto Expressway) and SR-836 (Dolphin Expressway).	\$143,640	Not in LRTP MDT 175
60	I-75 / Gratigny Express Bus	I-75 at Miami Gardens Drive Park-and-Ride (Miami Gardens Stations) to Sharks North Station	Implement express bus service on express lanes - includes addition of nine articulated buses.	\$1,662	Not in LRTP MDT 153
N/A	Transitway BRT with grade separated intersections	Florida City / SW 344 <sup>th</sup> St to Dadeland North	Bus-only grade separations at all intersections including and south of SW 98 <sup>th</sup> St.	\$323,190	Not in LRTP TA4179173 TA4179174 TA4179175 MDT 164
61	East-West Metrorail	SW 147 <sup>th</sup> Ave / SW 8 <sup>th</sup> St to MIC at MIA	Convert BRT to Heavy Rail.	\$1,824,228	Not in LRTP MDT 175U
62	Unity Station	NW 27 <sup>th</sup> Ave and SR-826	Construct Park-and-Ride facility with 100 surface parking spaces.	\$1,539	Not in LRTP
N/A	Bicycle and Pedestrian Improvements at all Transitway Stations	Transitway Stations	Improve Pedestrian and Bicycle connections to the Transitway stations.	N/A	Not in LRTP
2030 and Beyond Transit Vision Plan TOTAL COST (\$000s)				\$10,810,233	

Figure 7-1: 2030 and Beyond Transit Vision Plan

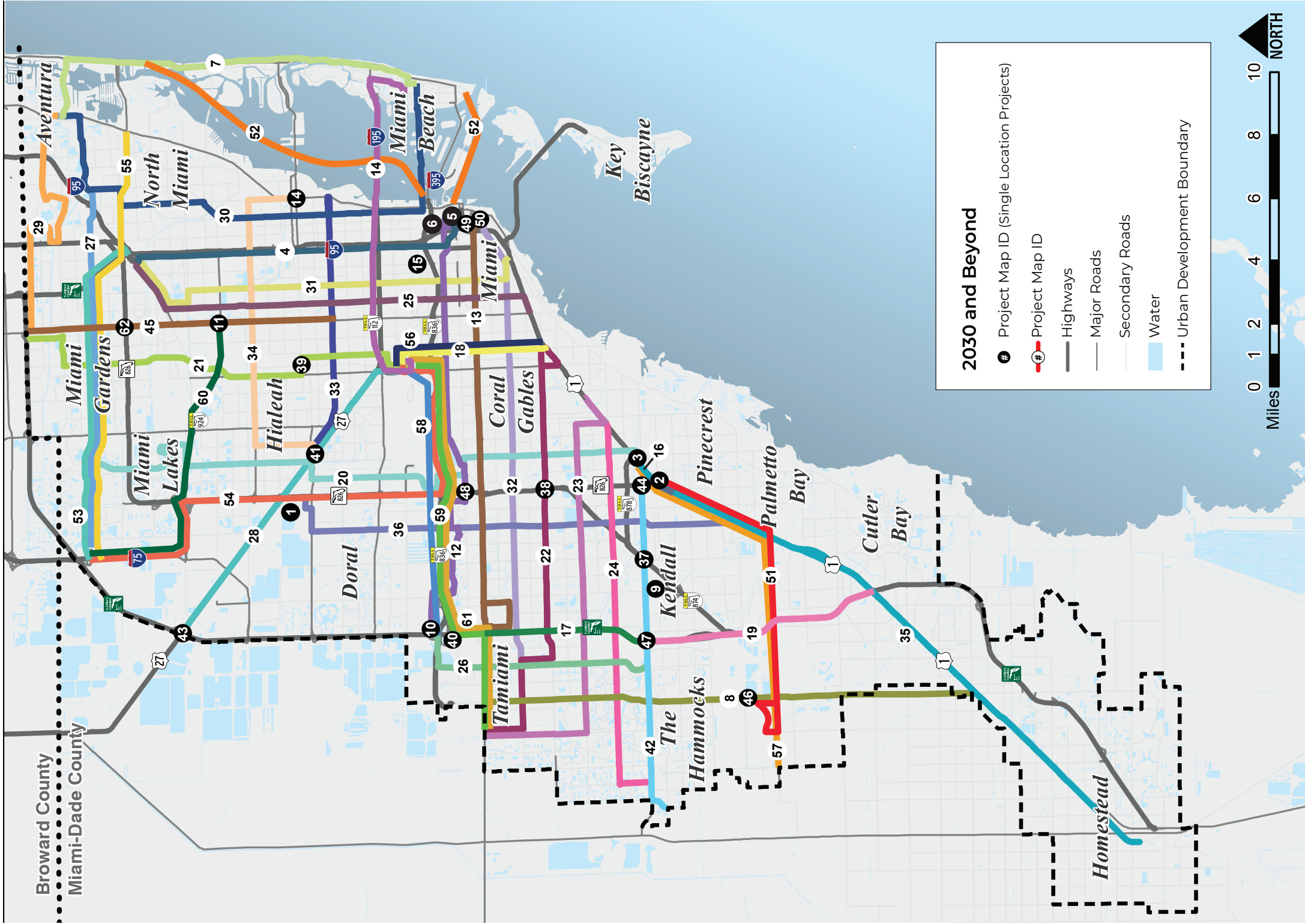




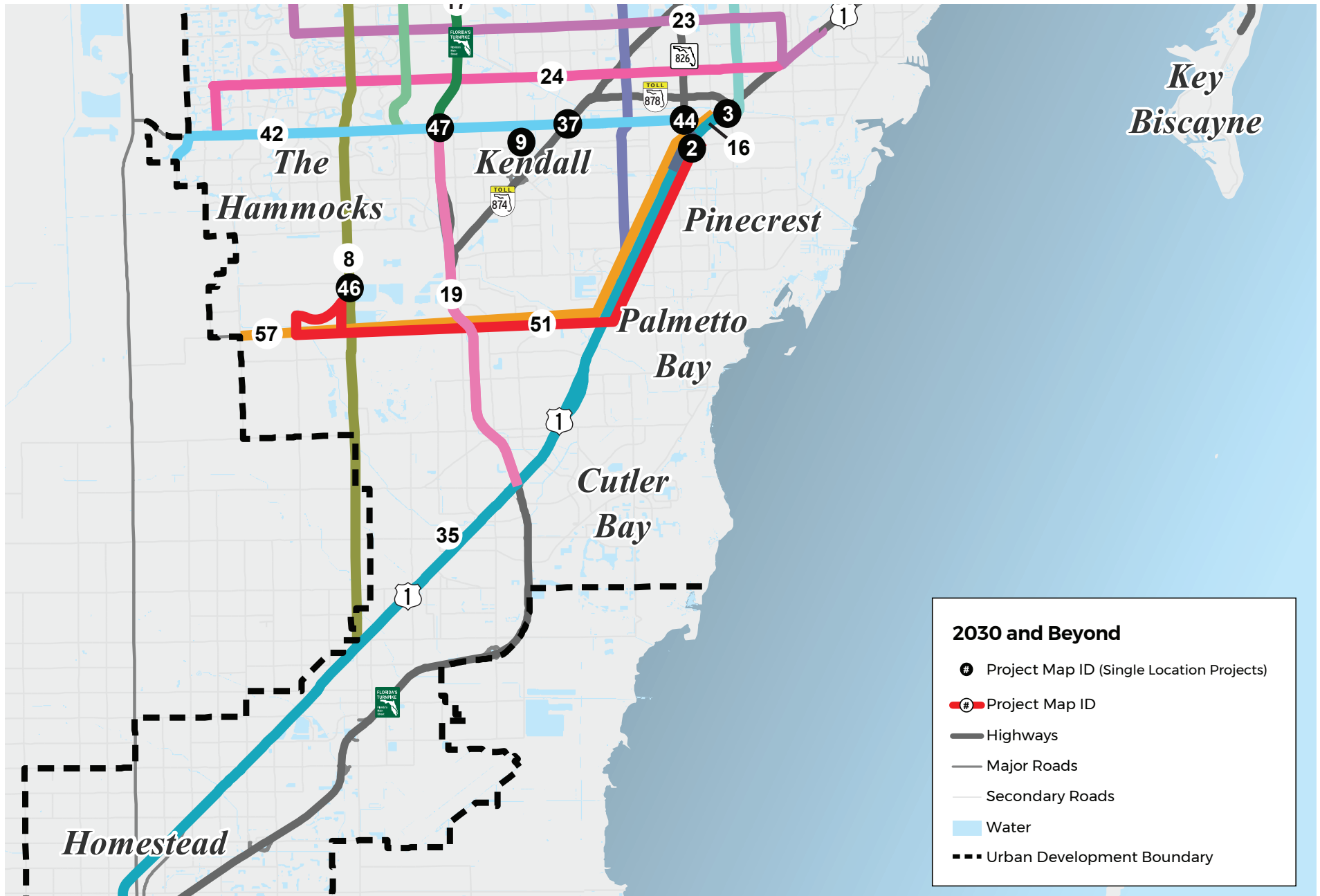
Figure 7-2: 2030 and Beyond Transit Vision Plan (North Zoom View)







Figure 7-3: 2030 and Beyond Transit Vision Plan (South Zoom View)







## 8. TRANSIT FINANCIAL PLAN

The previous chapters identify critical transit needs in Miami-Dade County without consideration of project cost. In this chapter, however, the DTPW must reconcile its transit improvement needs with available financial resources. In the financial plan, the estimated costs of providing the agency's existing and planned new services are projected over a ten-year horizon. The financial resources that will support those services are also identified and estimated. Through the development of this financial plan, DTPW determines which service improvements are financially feasible and establishes a timeline by when said improvements can be implemented.

### 8.1. Operating Expenses and Revenues

DTPW is the largest transit operator in Florida and the 18<sup>th</sup> largest transit provider in the U.S. per the 2019 Public Transportation Fact Book (based on unlinked passenger trips). DTPW's size is reflected in the agency's direct operating budget, which is projected at approximately \$395 million in FY 2020. The primary components of the direct operating expenses are shown in Table 8-1.

Wages and benefits make up 61 percent of DTPW's total operating expenses. This includes salaries and overtime, benefits, health and dental, retirement, and worker's compensation. Contractual services comprise another 9 percent of the operating budget.

In addition to these direct expenses, DTPW will support approximately \$89 million of other operating expenses in FY 2020. These other expenses are detailed in the subsequent tables of this chapter.

In total, DTPW will spend \$528 million in FY 2020 for the ongoing operation and maintenance of the transit system and the support of DTPW's other local and regional responsibilities.

**Table 8-1: DTPW Projected Transit FY 2020 Direct Operating Expenses (\$000s)**

Transit Operating Expenses		Projected Amount FY 20
	Salary	\$198,801
	Overtime	\$32,425
	Group Health	\$41,468
	Benefits	\$22,807
	Court Costs	\$11
	Contractual Services	\$49,733
	Other Operating Expenses	\$88,900
	Charges for County Services	\$15,763
	Capital	\$301
	Workers Compensation	\$11,740
	STS Services	\$48,800
	Retirement	\$17,372
	<b>Subtotal</b>	<b>\$528,121</b>
Transit Reimbursements		Projected Amount FY 20
	Federal Reimbursements	-\$78,787
	State Grant Reimbursements	-\$21,952
	Capital Fund Reimbursements	-\$10,769
	Capital Improvement Local Option Gas Tax (CILOGT) Reimbursements	-\$19,962
	STS/JARC Reimbursements	-\$7,243
	<b>Subtotal</b>	<b>-\$138,713</b>
Transit Operating Adjustments		Projected Amount FY 20
	Payment for SFRTA	\$4,235
	Transfer for Non-PTP Debt Service	\$826
	Transfer to SMART Plan from Dedicated Joint Development Revenue	\$1,078
	<b>Subtotal</b>	<b>\$6,139</b>
<b>Total Transit Operating Fund Expenses</b>		<b>\$395,547</b>

Source: PTP and Transit Pro-Forma FY 2019-2020 (September 2019)



**Table 8-2: Projected FY 20 Transit Operating Revenues**

Transit Proprietary Revenue	Transit Proprietary Revenue	Projected Amount FY 20 (\$000s)
	Beginning Fund Balance (Carryover in Operating Fund)	\$1,278
	Bus, Rail, STS, & Farebox	\$83,015
	Other Revenues	\$16,288
	<b>Operating Total</b>	<b>\$100,581</b>
State Grant Revenue	State Grant Revenue	Projected Amount FY 20 (\$000s)
	Transportation Disadvantage Program	\$7,618
	<b>State Total</b>	<b>\$7,618</b>
Local Revenue	Local Revenue	Projected Amount FY 20 (\$ 000s)
	Miami Dade General Fund MOE (3.5%)	\$207,660
	Planned Additional General Fund Support	\$0
	PTP Surtax	\$84,000
	<b>Local Total</b>	<b>\$291,660</b>
	<b>Total Revenue</b>	<b>\$399,859</b>

**Table 8-3: DTPW Operating Transit Revenue Growth Assumptions FY 2021 - FY 2030**

Operating Revenue Growth Assumptions	Revenue Item	Annual Average Growth Rate
	PTP Surtax*	0.0%
	General Funds (MOE)**	3.5%
	Fare Revenue (Trip Growth)***	0.5%
	State Block Grants	1.0%
	Transportation Disadvantaged Funds	0.0%
	Local Option Gas Tax****	1.5%

Source: Transit Pro-Forma FY 2019-2020 (September 2019)

\*PTP surtax is reported as zero growth because DTPW is reducing its reliance on PTP funds for Operations expenses and shifting those revenues to the capital budget for the purposes of expanding transit service.

\*\* General Fund is projected to fluctuate between 2021 and 2023 and increase 3.5% annually thereafter.

\*\*\* Fare Revenue is projected to increase 0.5% annually through 2026 and fluctuate thereafter.

\*\*\*\* CILOGT reimbursement is projected to increase 1.5% annually through 2022, decrease to 0.6% in 2024, and have zero growth thereafter.

DTPW operations are supported by a range of federal, state, local, and directly-generated revenue streams. Table 8-2 shows the projected operating revenues for FY 2020 by major category that total over \$399 million.

Revenue categories listed in Table 8-2 are described below.

- Fare Revenues: DTPW currently recovers approximately 16% of its operating expenses from transit fare revenue.
- Other Operating Revenues: These operating revenues include advertising.
- Transportation Disadvantaged (TD) program: This program provides funding to assist TD populations, which include individuals with physical or mental disabilities, have low incomes, or older individuals who are unable to transport themselves, purchase transportation or use fixed-route services.
- County General Funds: Miami-Dade County supplies DTPW with funding each year from its general fund.
- People's Transportation Plan Surtax: The PTP provides sales tax revenue to support public transit and roadway infrastructure improvements.
- County General Funds: Miami-Dade County supplies DTPW with funding each year from its general fund.

### 8.1.1. Projected Operating Revenues

Future revenue growth is projected to fluctuate with a low level of tax revenue growth resulting from the existing state of the economy. However, in years without any major policy changes, total available funding for DTPW is expected to grow at a rate of 0.5% to 1% annually. Other funding growth assumptions that drive the Pro-Forma financial projections are outlined in Table 8-3. DTPW does foresee a separate major policy action related to funding during FY 2020 – FY 2029 to include:

- Regular programmed fare increases: The Pro-Forma projects a 25-cent increase in the base fare (from its current level of \$2.25 to \$2.50) in FY 2020, with additional 25 cent increase in fiscal years 2026. These increases augment the overall revenue growth rate in those years. These programmed fare increases, which are scheduled to occur every six years, are determined by policies approved by the Miami-Dade County BCC that authorizes DTPW to implement regular fare increases to keep pace with inflation.





### 8.1.2. Summary of Operating Budget

The operating budget is carrying a surplus, as presented in the adopted FY 2019-2020 Pro-Forma for the ten-year period from FY 2021 to FY 2030 and summarized in Tables 8-4 and 8-5. The projected operating expenses are covered by the forecasted revenues from various sources. DTPW balances its operating budget by adhering to a combination of strategies aimed at producing cost efficiencies; an avoidance of any major service expansion and aggressive use of available local funding sources such as the Local Option Gas Tax (LOGT) and general funds.

This operating budget is based upon the budgetary assumptions that were applied within the FY 2019 Pro-Forma. It should be noted that these assumptions are subject to change due to the volatility in gas prices and pressure from the public to reduce the tax roll. Changes in the assumptions could have impacts to the general fund share DTPW receives and the availability of federal and state grants, thus resulting in a different budgetary outcome than that which is presented in this TDP.

**Table 8-4: DTPW Operating Transit Revenues FY 2021 - FY 2030 (\$000s)**

Transit Proprietary Revenues	FY 2019-2020	FY 2020-2021	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030
Beginning Fund Balance (Carryover in Operating Fund)	\$1,278	\$4,312	\$0	\$0	\$11,019	\$20,285	\$28,003	\$35,715	\$46,182	\$53,670	\$58,075
Bus, Rail, STS, & Farebox	\$83,015	\$83,430	\$83,847	\$84,266	\$84,687	\$85,110	\$85,536	\$91,406	\$91,635	\$91,864	\$92,094
Planned Additional General Fund Support	\$0	\$53,366	\$30,157	\$30,250	\$0	\$0	\$0	\$0	0	\$0	\$0
Other Revenues	\$16,288	\$17,009	\$17,009	\$17,192	\$27,706	\$18,312	\$18,534	\$18,597	\$18,658	\$18,699	\$18,763
<b>State Grant Revenue</b>											
Transportation Disadvantage Program	\$7,618	\$6,952	\$6,952	\$6,952	\$6,952	\$6,952	\$6,952	\$6,952	\$6,952	\$6,952	\$6,952
<b>Local Revenue</b>											
Miami Dade General Fund MOE (3.5%)	\$207,660	\$214,928	\$277,684	\$318,615	\$361,075	\$373,713	\$386,793	\$400,331	\$414,343	\$428,845	\$443,855
PTP Surtax	\$84,000	\$35,152	\$14,643	\$0	\$0	\$0	\$0	0	0	\$0	\$0
<b>Total Transit Revenues</b>	<b>\$399,859</b>	<b>\$415,149</b>	<b>\$430,292</b>	<b>\$457,275</b>	<b>\$491,439</b>	<b>\$504,372</b>	<b>\$525,818</b>	<b>\$553,001</b>	<b>\$577,770</b>	<b>\$600,030</b>	<b>\$619,739</b>
Total Operating Fund Expenses	\$395,547	\$415,149	\$430,292	\$446,256	\$471,154	\$476,369	\$490,103	\$506,819	\$524,100	\$541,955	\$562,307
<b>Operational Funding Surplus (Deficit)</b>	<b>\$4,312</b>	<b>\$0</b>	<b>\$0</b>	<b>\$11,019</b>	<b>\$20,285</b>	<b>\$28,003</b>	<b>\$35,715</b>	<b>\$46,182</b>	<b>\$53,670</b>	<b>\$58,075</b>	<b>\$57,432</b>

Source: Transit Pro-Forma FY 2019-2020 (September 2019)



**Table 8-5: DTPW Operating Transit Expenses FY 2021 - FY 2030 (\$000s)**

Operating Expenses (000s)/Fiscal Year	FY 2019-2020	FY 2020-2021	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030
<b>Direct Operating Expenses</b>											
Total Transit Operating and Maintenance Expenses	\$528,121	\$546,367	\$563,950	\$582,225	\$599,370	\$616,692	\$633,037	\$649,923	\$667,378	\$685,430	\$705,958
<b>Transit Operating Adjustments</b>											
SFRTA Contribution	\$4,235	\$4,235	\$4,235	\$4,235	\$4,235	\$4,235	\$4,235	\$4,235	\$4,235	\$4,235	\$4,235
Transfer for Non-PTP Debt Service Expenses	\$826	\$826	\$826	\$826	\$826	\$826	\$784	\$784	\$784	\$784	\$784
Transfer to SMART Plan Reserve	\$1,078	\$721	\$721	\$904	\$11,418	\$2,024	\$2,246	\$2,309	\$2,370	\$2,411	\$2,475
<b>Transit Reimbursements</b>											
Federal Reimbursements	-\$78,787	-\$76,555	-\$78,469	-\$80,431	-\$82,844	-\$85,329	-\$87,889	-\$87,889	-\$87,889	-\$87,889	-\$87,889
State Grant Reimbursements	-\$21,952	-\$22,172	-\$22,394	-\$22,618	-\$22,844	-\$23,072	-\$23,303	-\$23,536	-\$23,771	-\$24,009	-\$24,249
Capital Fund Reimbursements	-\$10,769	-\$10,769	-\$10,769	-\$10,769	-\$10,769	-\$10,769	-\$10,769	-\$10,769	-\$10,769	-\$10,769	-\$10,769
CILOGT Reimbursements	-\$19,962	-\$20,261	-\$20,565	-\$20,873	-\$20,995	-\$20,995	-\$20,995	-\$20,995	-\$20,995	-\$20,995	-\$20,995
STS/JARC Reimbursements	-\$7,243	-\$7,243	-\$7,243	-\$7,243	-\$7,243	-\$7,243	-\$7,243	-\$7,243	-\$7,243	-\$7,243	-\$7,243
<b>Total Expenses</b>	<b>\$395,547</b>	<b>\$415,149</b>	<b>\$430,292</b>	<b>\$446,256</b>	<b>\$471,154</b>	<b>\$476,369</b>	<b>\$490,103</b>	<b>\$506,819</b>	<b>\$524,100</b>	<b>\$541,955</b>	<b>\$562,307</b>

Source: Transit Pro-Forma FY 2019-2020 (September 2019)

## 8.2. Transit Capital Expenditures and Funding Sources

This section provides an overview of expenditures and funding sources for DTPW's Capital Project initiatives. The tables in this section provide a ten-year outlook, with a horizon year of Fiscal 2029-2030.

### 8.2.1. Planned Capital Expenditures

DTPW's planned transit capital budget for the period between FY 2021 and FY 2030 is summarized in Table 8-6: DTPW Capital Transit Budget FY 2021 - FY 2030. Large capital projects or ongoing projects during this period (Metrorail Stations and Systems Improvements, for example), may be funded by a combination of debt proceeds and cash.

Many projects in the Capital Transit Budget will improve the quality of service and longevity of the existing DTPW system. Five projects have funding allocated in the outside five years of the capital budget. These are Bus Related Projects, Federally Funded Projects, Infrastructure Renewal Plan, Metrorail Track and Guideway Projects, and Metrorail Vehicle Replacement.



Table 8-6: DTPW Capital Transit Budget FY 2021 - FY 2030 (\$000s)

Project	Previous		FY 20-21		FY 21-22		FY 22-23		FY 23-24		FY 24-25		Future		Total		
	PTP	Other	PTP	Other	PTP	Other	PTP	Other	PTP	Other	PTP	Other	PTP	Other	Total	PTP	Other
Beach Express South	\$119	\$119	\$59	\$59	\$2,672	\$0	\$6,572	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,600	\$9,422	\$178
Bus and Bus Facilities	\$1,400	\$5,472	\$3,710	\$0	\$4,560	\$0	\$3,115	\$0	\$3,215	\$0	\$0	\$0	\$0	\$0	\$21,472	\$16,000	\$5,472
Bus Enhancements	\$29,427	\$34,813	\$5,197	\$2,017	\$1,866	\$1,708	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$75,028	\$36,490	\$38,538
Bus Related Projects	\$61,807	\$368,421	\$8,000	\$63,428	\$0	\$9,187	\$0	\$9,340	\$0	\$9,494	\$0	\$9,658	\$0	\$44,654	\$583,989	\$69,807	\$514,182
Bus Tracker and Automatic Vehicle Locating System Upgrade (CAD/AVL)	\$18,067	\$0	\$579	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,646	\$18,646	\$0
Dadeland South Intermodal Station	\$19,041	\$365	\$18,000	\$0	\$13,106	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50,512	\$50,147	\$365
Emergency Backup Generators	\$0	\$1,000	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000	\$0	\$1,000
Fare Collection Equipment	\$79,938	\$0	\$751	\$0	\$751	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$81,440	\$81,440	\$0
Federally-Funded Projects	\$0	\$198,322	\$0	\$105,091	\$0	\$104,590	\$0	\$107,149	\$0	\$109,578	\$0	\$118,942	\$0	\$100,371	\$844,043	\$0	\$844,043
Golden Glades Bike and Pedestrian Connector	\$6,619	\$6,618	\$9,454	\$1,598	\$1,189	\$1,190	\$396	\$396	\$0	\$0	\$0	\$0	\$0	\$0	\$27,460	\$17,658	\$9,802
Heavy Equipment Replacement	\$5,400	\$154	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,554	\$5,400	\$154
Infrastructure Renewal Plan (IRP)	\$25,000	\$0	\$12,500	\$0	\$12,500	\$0	\$12,500	\$0	\$12,500	\$0	\$12,500	\$0	\$12,500	\$0	\$100,000	\$100,000	\$0
Lehman Yard - Perimeter and Security Fence	\$4,469	\$0	\$498	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,967	\$4,967	\$0
Lehman Yard	\$65,142	\$2,670	\$16,780	\$0	\$3,597	\$0	\$20	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$88,209	\$85,539	\$2,670
Metromover Improvement Projects	\$44,531	\$8,750	\$36,707	\$7,000	\$15,933	\$7,000	\$9,608	\$7,000	\$0	\$7,000	\$0	\$5,250	\$0	\$0	\$148,779	\$106,779	\$42,000
Metrorail Stations and Systems Improvements	\$47,586	\$4,474	\$27,087	\$426	\$36,977	\$1,258	\$39,396	\$0	\$32,526	\$0	\$0	\$0	\$0	\$0	\$189,730	\$183,572	\$6,158
Metrorail Track and Guideway Projects	\$88,192	\$0	\$17,795	\$0	\$16,000	\$0	\$18,500	\$0	\$15,742	\$0	\$26,480	\$0	\$0	\$0	\$182,709	\$182,709	\$0
Metrorail Vehicle Replacement	\$351,168	\$1,036	\$21,233	\$0	\$1,709	\$0	\$789	\$0	\$808	\$0	\$9,070	\$0	\$0	\$0	\$385,813	\$384,777	\$1,036
Metrorail and Metromover Projects	\$7,000	\$4,895	\$4,000	\$545	\$4,000	\$559	\$0	\$573	\$0	\$587	\$0	\$602	\$0	\$617	\$23,378	\$15,000	\$8,378
Palmetto Intermodal Terminal	\$10,285	\$10,285	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,570	\$10,285	\$10,285
Park and Ride Transit Projects	\$21,510	\$12,573	\$10,307	\$3,584	\$7,828	\$5,219	\$825	\$1,644	\$0	\$0	\$0	\$0	\$0	\$0	\$63,490	\$40,470	\$23,020
Park and Ride Transitway at SW 168th St	\$102	\$101	\$45	\$45	\$2,374	\$2,375	\$1,979	\$1,979	\$0	\$0	\$0	\$0	\$0	\$0	\$9,000	\$4,500	\$4,500
South Miami-Dade Transitway Corridor	\$39,267	\$67,738	\$37,164	\$108,436	\$16,951	\$33,904	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$303,460	\$93,382	\$210,078
Strategic Miami Area Rapid Transit Plan (SMART) Phase 1	\$19,397	\$6,239	\$2,224	\$55	\$1,500	\$0	\$1,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,915	\$24,621	\$6,294
The Underline	\$0	\$32,542	\$0	\$4,718	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$37,260	\$0	\$37,260
Transit Signage and Communication Projects	\$10,632	\$6,711	\$2,182	\$265	\$0	\$0	\$0	\$0	\$240	\$3,400	\$250	\$3,500	\$0	\$0	\$27,180	\$13,304	\$13,876
SUBTOTAL	\$956,099	\$773,298	\$234,272	\$297,267	\$143,513	\$166,990	\$95,200	\$128,081	\$65,031	\$130,059	\$48,300	\$137,952	\$12,500	\$145,642	\$3,334,204	\$1,554,915	\$1,779,289
TOTAL	\$1,729,397		\$531,539		\$310,503		\$223,281		\$195,090		\$186,252		\$158,142				

Source: DTPW FY 2019-2020 Adopted Budget and Multi-Year Capital Plan, Transportation and Public Works.



### 8.2.2. Summary of Capital Plan

DTPW's ten-year capital plan revenue sources are listed in Table 8-7. Revenue sources in the first five years are forecasted by fiscal year, while the second five years are aggregated into a future category. All projected capital expenditures could be funded with either PTP surtax debt proceeds, or on a pay-as-you-go basis, depending on the availability of funds. This capital budget is achieved by aggressive borrowing against the PTP surtax; ultimately requiring the inclusion of additional LOGT and general funds in DTPW's budget, to guarantee debt coverage.

**Table 8-7: Projected "Cash" Revenue Sources for Transit Capital Projects FY 2021 - FY 2030 (\$000s)**

Projects	PRIOR	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FUTURE	TOTAL
BBC GOB Financing	\$135,053	\$7,674	3,733	\$2,094	\$0	\$0	\$0	\$148,554
Capital Improvements Local Option Gas Tax	\$47,376	\$20,995	20,995	\$20,995	\$20,995	\$20,995	\$0	\$152,351
Charter County Transit System Surtax	\$40,485	\$10,578	500	\$500	\$500	\$0	\$0	\$52,563
City of Doral Contribution	\$186	\$0	\$0	\$0	\$0	\$0	\$0	\$186
City of Homestead Contribution	\$77	\$0	\$0	\$0	\$0	\$0	\$0	\$77
City of Miami Beach Contribution	\$5,447	\$0	\$0	\$0	\$0	\$0	\$0	\$5,447
City of Miami Contribution	\$417	\$0	\$0	\$0	\$0	\$0	\$0	\$417
City of Miami Park Impact Fees	\$5,831	\$787	\$0	\$0	\$0	\$0	\$0	\$6,618
Developer Contribution	\$150	\$0	\$0	\$0	\$0	\$0	\$0	\$150
FDOT Funds	\$156,454	\$68,846	\$25,470	\$6,264	\$4,352	\$4,990	\$500	\$266,876
FDOT-County Incentive Grant Program	\$18,021	\$2,316	\$0	\$0	\$0	\$0	\$0	\$20,337
Florida City Contribution	\$2,640	\$602	\$0	\$0	\$0	\$0	\$0	\$3,242
Florida Inland Navigational District	\$916	\$0	\$0	\$0	\$0	\$0	\$0	\$916
FTA 5339 Bus & Bus Facility Formula	\$15,442	\$1,611	\$1,651	\$1,692	\$1,734	\$1,778	\$1,822	\$25,730
FTA Section 5307/5309 Formula	\$228,093	\$97,249	\$99,728	\$96,677	\$99,070	\$106,799	\$100,488	\$828,104
Grant FTA Section 5309 Discretionary Grant	\$33,869	\$49,179	\$16,952	\$0	\$0	\$0	\$0	\$100,000
General Government Improvement Fund (GGIF)	\$2,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000
Lease Financing - County Bonds/Debt	\$320,904	\$55,817	\$7,536	\$7,648	\$7,760	\$7,880	\$42,832	\$450,377
Operating Revenue	\$250	\$0	\$0	\$0	\$0	\$0	\$0	\$250
People's Transportation Plan Bond Program	\$1,197,254	\$231,575	\$139,755	\$98,750	\$69,868	\$51,300	\$12,500	\$1,801,002
People's Transportation Plan Capital Reserve Fund	\$63,366	\$40,974	\$19,640	\$1,896	\$0	\$0	\$0	\$125,876
Road Impact Fees	\$618,130	\$89,433	\$89,433	\$89,433	\$89,433	\$0	\$0	\$975,862
Secondary Gas Tax	\$38,583	\$15,380	\$15,380	\$17,465	\$17,465	\$17,465	\$0	\$121,738
Stormwater Utility	\$18,747	\$9,497	\$9,630	\$8,832	\$7,950	\$7,950	\$0	\$62,606
Town of Medley Contribution	\$4,867	\$3,750	\$0	\$0	\$0	\$0	\$0	\$8,617
Village of Palmetto Bay Contribution	\$200	\$200	\$0	\$0	\$0	\$0	\$0	\$400
Village of Pinecrest Contribution	\$150	\$150	\$0	\$0	\$0	\$0	\$0	\$300
WASD Project Fund	\$3,574	\$269	\$0	\$0	\$0	\$0	\$0	\$3,853
<b>Total:</b>	<b>\$2,958,482</b>	<b>\$706,882</b>	<b>\$450,413</b>	<b>\$352,246</b>	<b>\$319,127</b>	<b>\$219,157</b>	<b>\$158,142</b>	<b>\$5,164,449</b>
<b>Expenditures</b>	<b>\$2,644,409</b>	<b>\$794,026</b>	<b>\$540,667</b>	<b>\$419,393</b>	<b>\$388,655</b>	<b>\$219,157</b>	<b>\$158,142</b>	<b>\$5,164,449</b>
<b>Capital Funding Surplus/Deficit</b>	<b>\$314,073</b>	<b>-\$87,144</b>	<b>-\$90,254</b>	<b>-\$67,147</b>	<b>-\$69,528</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

Source: DTPW FY 2019-2020 Adopted Budget and Multi-Year Capital Plan, Transportation and Public Works.



### 8.3. Total Unfunded Need

The implementation plan laid out in Chapter 6 of the MDT10Ahead document identifies the agency's funded, partially funded and unfunded project needs for both operations and capital projects. The total unfunded need for the ten-year period encapsulates the difference between DTPW's programed needs and the total funding; this is summarized in Table 8-8: Ten-Year Implementation Plan Total Unfunded Capital Need.

The unfunded need is calculated as the sum of the capital costs for the Unfunded Operations, Capital, and State of Good Repair projects, combined with the unfunded portions of the Partially Funded Capital and State of Good Repair Projects. Overall, DTPW's unfunded need for the next ten years is over \$5.2 billion.

**Table 8-8: Ten-Year Implementation Plan Total Unfunded Capital Need**

Ten-Year Implementation Plan Projects	Unfunded Capital Need
Unfunded Operations	\$202,379,000
Capital Unfunded	\$1,587,196,000
Capital Partially Unfunded	\$3,465,642,000
<b>Total:</b>	<b>\$5,255,217,000</b>



# APPENDIX A.1



## A.1 Department of Transportation and Public Works Table of Organization



## FY 19/20 STAFFING Table of Organization

### TRANSPORTATION AND PUBLIC WORKS DIRECTOR'S OFFICE STAFFING CHART FY 19 BUDGET – FY 20 BASE

DIRECTOR'S OFFICE (20)		
FY'18-19		FY'19-20
1	Director, Transportation & Public Works 8499	1
1	Clerk 2 0011	1
1	Senior Executive Secretary 0096	1
3		3

EXTERNAL AFFAIRS (23)		
FY'18-19		FY'19-20
2	Exec. Assistant to Director 4284	2
1	Special Project Admin 2 0832	1
3		3

SAFETY AND SECURITY (51)		
FY'18-19		FY'19-20
1	Chief, Safety & Security 8371	1
1	Administrative Secretary 0094	1
1	Training Specialist 3 0424	1
1	Special Project Admin 1 0831	1
5	Transit Safety Officer 8207	5
4	MDT Parking Enforcement Specialist 8210	4
1	Transit Inventory Control Specialist 8229	1
1	MDT Quality Assurance Specialist 8241	1
1	MDT Security Manager 8263	1
4	MDT Security Program Supervisor 8264	4
1	MDT Section Chief 8321	1
3	MDT System Safety Supervisor 8365	3
1	MDT System Safety Manager 8366	1
25		25

### TRANSPORTATION AND PUBLIC WORKS ENGINEERING PLANNING & DEVELOPMENT STAFFING CHART FY 19 BUDGET – FY 20 BASE

DEPUTY DIRECTOR PLANNING, DESIGN & ENGINEERING (29)		
FY'18-19		FY'19-20
1	Deputy Director Planning Design & Eng. 8498	1

TRANSIT ENGINEERING (35)		
FY'18-19		FY'19-20
1	Assistant Director, Eng. Pln. & Dev 8482	1
1	Executive Secretary 0095	1
1	Special Project Admin 2 0832	1
3		3

PLANNING & SYSTEMS DEVELOPMENT (30)		
FY'18-19		FY'19-20
1	Chief, Planning & Sys. Development 8389	1
3	Principal Planner 2009	3
1	Transit Planner 2 8232	1
1	Transit Field Tech 1 8271	1
6		6

ROW ACQUISITION & UTILITIES/JOINT DEVELOPMENT (67)		
FY'18-19		FY'19-20
1	Chief, ROW & Utilities Division 8331	1
1	Administrative Secretary 0094	1
1	Administrative Officer 2 0811	1
1	Special Project Administrator 2 0832	1
1	Professional Engineer 1050	1
3	Manager, ROW & Utilities Section 8250	3
8		8

PROGRAM MANAGEMENT/CONTRACT SVS/ COST & SCHEDULING (49)		
FY'18-19		FY'19-20
1	Chief, Contract Services 8304	1
1	Administrative Secretary 0094	1
1	Administrative Officer 3 0812	1
1	Special Projects Administrator 1 0831	1
1	Contracts Officer 3820	1
1	Construction Manager 3 6612	1
1	Manager, Cost & Scheduling Section 8302	1
1	MDT, Section Manager 8382	1
2	Manager, MDT Project Control Section 8469	2
10		10

TRANSPORTATION STRATEGIC PLANNING (33)		
FY'18-19		FY'19-20
1	Assistant Director, Strategic Planning 8483	1
1	Engineer 3 1022	1
1	Principal Planner 2009	1
1	Professional Engineer 1050	1
4		4

SERVICE PLANNING & SCHEDULING (53)		
FY'18-19		FY'19-20
1	MDT Section Chief 8321	1
1	Administrative Officer 3 0812	1
3	Transit Operations Scheduler 8113	3
3	Senior Transit Operations Scheduler 8114	3
5	Transit Planner 2 8271	5
1	Transit Planning Supervisor 8273	1
1	Transit Field Technician 1 8276	1
1	Transit Passenger Amenities Off. 8295	1
2	Bus Shelter Specialist 8447	2
18		18

CONSTRUCTION DIVISION (36)		
FY'18-19		FY'19-20
1	Chief, Construction 9930	1
1	Administrative Secretary 0094	1
1	Construction Manager 3 6612	1
3		3

HIGHWAY BRIDGE ENGINEERING (07)		
FY'18-19		FY'19-20
1	Mgr. Bridge Inspector 1017	1
1	Professional Engineer 1050	2
2		3

DESIGN & ENGINEERING (37)		
FY'18-19		FY'19-20
1	Chief, Engineering Division 8384	1
1	Administrative Secretary 0094	1
1	Engineer 3 1022	1
1	Professional Engineer 1050	1
2	Senior Professional Engineer 1051	2
6		6





## FY 19/20 STAFFING Table of Organization

### TRANSPORTATION AND PUBLIC WORKS FINANCIAL SERVICES STAFFING CHART FY 19 BUDGET – FY 20 BASE

#### DEPUTY DIRECTOR FINANCE, ADMINISTRATION & BUSINESS (21)

FY'18-19	FY'19-20
<u>1</u> Deputy Director, Administration 8498	<u>1</u>
1	1

#### FINANCIAL SERVICES (40)

FY'18-19	FY'19-20
<u>1</u> Assistant Dir., Finc'l Services 8483	<u>1</u>
1 Executive Secretary 0095	1
<u>1</u> Special Proj Admin 2 0832	<u>0</u>
3	2

#### FINANCE (41)

FY'18-19	FY'19-20
<u>1</u> MDT Controller 8474	<u>1</u>
2 Clerk 4 0013	2
1 Admin Secretary 0094	1
11 Account Clerk 0310	11
3 Accountant 1 0315	3
9 Accountant 2 0316	9
5 Accountant 3 0317	5
4 Accountant 4 0318	4
2 Administrative Officer 3 0812	2
27 Transit Revenue Coll. 8042	27
9 Transit Revenue Proc Clerk 8215	7
3 Transit Revenue Proc Sup 1 8216	3
1 Transit Revenue Proc Sup 2 8218	1
4 Transit Rev Coll. Sup 1 8220	4
1 Transit Rev Coll. Sup 2 8222	1
1 MDT Financial Rev Audit Sup 8325	1
1 Manager, Treasury Services 8347	1
<u>1</u> MDT Assistant Controller 8475	<u>1</u>
86	84

#### GRANTS ADMINISTRATION (68)

FY'18-19	FY'19-20
<u>1</u> Mgr. Grants Administration 0346	<u>1</u>
1 Accountant 2 0316	1
2 Administrative Officer 2 0811	1
1 Administrative Officer 3 0812	2
<u>1</u> MDT Loss Prev Coord 8259	<u>1</u>
6	6

#### OFFICE OF CIVIL RIGHTS & LABOR RELATIONS (50)

FY'18-19	FY'19-20
<u>1</u> Chief, Civil Right 8309	<u>1</u>
1 Office Support Spec. 0022	1
2 Personnel Specialist 1 0410	2
3 Personnel Specialist 2 0412	2
2 Personnel Specialist 3 0414	2
1 Departmental ADA Coord. 0889	1
1 Contracts Compliance Officer 8232	1
<u>3</u> Magr., Civil Rights & Labor Rel. 8307	<u>3</u>
14	13

#### RESOURCE ALLOCATION (45)

FY'18-19	FY'19-20
<u>1</u> Chief, Budget & Perf. Rept. 8478	<u>1</u>
1	1
<b>Operations Resource Allocation (45.1)</b>	
4 Administrative Officer 3 0812	4
1 Manager, Budget & Planning 0836	1
1 Manager, PW Operating 6350	<u>1</u>
6	6

#### Capital Resource Allocation (45.2)

FY'18-19	FY'19-20
1 Administrative Officer 3 0812	1
1 Special Project Admin 1 0831	1
1 Special Project Admin 2 0832	1
1 Manager, PW Capital Projects 6350B	1
<u>1</u> Mgr, Capital Bud & Proj Cont 8468	<u>1</u>
5	5

#### PERFORMANCE ANALYSIS (57)

FY'18-19	FY'19-20
<u>1</u> Chief, Perform. Analysis 8331	<u>1</u>
3 Clerk 4 0013	3
3 Special Proj. Admin. 1 0831	3
1 Special Proj. Admin. 2 0832	1
0 Bus Maint. Technician 8006	1
1 Maint. Reliability Clerk 8111	0
13 Transit Maint. Prod. Coord 8132	13
<u>1</u> Operations Coordinator 8470	<u>1</u>
23	23

#### Materials Management (56)

FY'18-19	FY'19-20
1 Clerk 2 0011	1
1 Secretary 0031	1
1 Special Proj. Admin. 2 0832	1
1 Warehouse & Stores Sup. 0890	1
33 Bus Stock Clerk 8035	32
16 Rail Stock Clerk 8074	16
2 DPTW Stock Ctrl Officer 8118	2
<u>8</u> Purchasing & Stores Sup 8120	<u>7</u>
63	62

#### Warranty, Reliability & Analysis (75)

FY'18-19	FY'19-20
3 Administrative Officer 2 0811	3
1 Administrative Officer 3 0812	1
0 Maint. Reliability Clerk	1
<u>1</u> Transit Maint. Prod. Coord. 8132	<u>1</u>
5	5

#### HUMAN RESOURCES (60)

FY'18-19	FY'19-20
<u>1</u> Chief, Human Resources 0415	<u>1</u>
1 Clerk 3 0012	2
2 Clerk 4 0013	2
1 Administrative Secretary 0094	1
1 Personnel Records Officer 0207	1
6 Personnel Technician 0402	5
7 Personnel Specialist 2 0412	8
2 Personnel Specialist 3 0414	2
2 HR Manager 0416	2
1 HRIS Specialist 0461	1
1 Administrative Officer 3 0812	1
1 Special Proj. Admin 1 0831	1
1 Safety Officer 1966	0
1 Manager, Project Control 8469	1
<u>1</u> Mgr. MDT Med & Rec Prog 8311T	<u>1</u>
29	29

#### Training & Development (60.3)

FY'18-19	FY'19-20
1 Manager, MDT Training 8308	0
1 Personnel Technician 0402	1
<u>1</u> Training Specialist 3 0424	<u>1</u>
3	2

#### HR Out-Stationed Staff (60.4)

FY'18-19	FY'19-20
1 Personnel Payroll & Systems Sup. 0467	1
10 Personnel Payroll Technician BOS 0468	10
2 Personnel Services Specialist 0543	2
13	13

#### QUALITY ASSURANCE (32)

FY'18-19	FY'19-20
<u>1</u> Chief, Quality Assurance 8359	<u>1</u>
3 Quality Assurance Eng. 1 0886	3
1 Quality Assurance Eng. 2 0887	1
<u>1</u> Transit Quality Assurance Analyst 8277	<u>1</u>
6	6

#### PROCUREMENT – GOODS/SERVICES (76)

FY'18-19	FY'19-20
<u>0</u> Chief, DTPW Division 1 8331	<u>1</u>
3 Administrative Officer 3 0812	2
1 Special Projects Administrator 1 0831	1
6 Purchasing Specialist 7272	8
0 Contracts & Procurement Mgr. 8465	1
1 Contracts & Proc. Mgr. 8467	0
<u>0</u> Procurement Supervisor 8466	<u>1</u>
11	14

### TRANSPORTATION AND PUBLIC WORKS TRANSPORTATION ENHANCEMENTS STAFFING CHART FY 19 BUDGET – FY 20 BASE

#### TRANSPORTATION ENHANCEMENTS (24)

FY'18-19	FY'19-20
<u>1</u> Chief, Transp. Enhancements 8370	<u>1</u>
<u>1</u> Special Project Admin 1 0831	<u>1</u>
2	2

#### INFORMATION CENTERS (27)

FY'18-19	FY'19-20
<u>1</u> MDT Section Chief 8321	<u>1</u>
1 Clerk 2 0011	1
2 Cashier 2 0302	2
1 Account Clerk 0310	1
1 MDT Easy Card Fin Manager 8274	1
13 Transit Service Specialist 1 8278	11
6 Transit Service Specialist 2 8279	8
1 Transit Service Center Supervisor 1 8280	1
4 Transit Service Center Supervisor 2 8281	4
<u>1</u> Transit Service Center Manager 8282	<u>1</u>
31	31

#### ADVERTISING & MEDIA RELATIONS (62)

FY'18-19	FY'19-20
<u>1</u> Chief, Marketing & Communications 8331	<u>1</u>
1 Graphics Designer 0244	1
1 Administrative Officer 2 0811	1
1 Special Projects Admin. 1 0831	1
1 Media & Public Relations Officer 0842	1
1 Social Media Specialist 0843	1
1 Senior Social Media Specialist 0844	1
1 Information Officer 2307	1
1 Transit New Business Adm. 8339	1
1 Graphic Designer Supervisor 9829	1
<u>2</u> Manager, DTPW Marketing & Com. 8352	<u>1</u>
12	12



# FY 19/20 STAFFING Table of Organization

## TRANSPORTATION AND PUBLIC WORKS

### OPERATIONS STAFFING CHART

#### FY 19 BUDGET – FY 20 BASE

#### Deputy Director's Office 28

FY'18-19	FY'19-20
1 Deputy Director, Ops. 8500	1
1 Executive Secretary 0095	1
1 Transit Admin. Coord. 8310	1
3	3

#### Paratransit Administration (54)

FY'18-19	FY'19-20
1 Section Chief 8321	1
2 Clerk 2 0011	2
1 Clerk 4 0013	1
1 Administrative Sec 0094	1
8 Eligibility Interviewer 3001	8
1 Paratran Elg. Sup 8283	1
2 Para Oper Officer 8284	2
1 Para Oper Admin 8285	1
1 Para Sup. Spec 1 8287	1
3 Para Support Spec 2 8288	3
8 Paratran. Svc. Clerk 8292	8
2 Paratran Oper. Sup. 8293	2
31	31

#### Mobility PTRD (RER) (19)

FY'18-19	FY'19-20
1 Division Chief 2522	1
1 Admin Secretary 0094	1
1 Admin Officer 3 0812	1
1 Passenger Trans. Coord 2505	1
<b>Training</b>	
1 Training Specialist 2 0422	1
1 Training Specialist 3 0424	1
<b>Enforcement</b>	
16 Enforcement Officer 1 2520	16
3 Enforcement Supervisor 2547	3
<b>Licensing</b>	
1 Clerk 2 0011	1
3 Clerk 4 0013	3
1 Data Entry Specialist 2 0016	1
1 Admin Officer 1 0810	1
2 Licensing Clerk 2514	2
<b>Inspection Station</b>	
4 Vehicle Inspector 2510	4
1 Licensing Clerk 2514	0
38	37

#### Infrastructure & Maintenance (34)

FY'18-19	FY'19-20
1 Chief, Infrastructure 9226	1
1 Admin Sec 0094	1
<b>Systems Maintenance (34)</b>	
1 Administrative Officer 2 0811	1
10 Transit Elec Tech/Lab 8052	10
4 Rail Maint. Control Clk 8077	4
17 Transit Elec. Tech 8083	17
14 Transit Elec Tech Radio 8084	14
32 Transit Elec Tech/Sys 8085	32
1 Sr. Telecom Tech 8089	1
1 Oper/Maint Instructor 8106	1
12 MDT Elec Tech Sup. 8144	12
2 Manager Elec. Sys 8379	2
96	96
<b>Facilities Maintenance (58)</b>	
1 Sr. Manager, Facilities 8326	1
1 Admin Secretary 0094	1
1 Account Clerk 0310	1
1 Spec. Proj Adm 1 0831	1
2 Elevator Contract Spec 6474	2
49 Transit Fac. Equip Tech 8021	49
4 Transit Fac. Maint. Cont Clk 8032	4
3 Transit Fac. Repairer 8033	3
1 MDT Oper/Maint Instructor 8106	1
1 Transit Elev. Cont. Sup 8122	1
1 Transit Painter Sup. 8131	0
9 Transit Fac. Sup 8135	10
4 Transit Fac. Supt. 8136D	4
1 Transit Contt Comp Officer 8232	1
1 MDT Quality Assur. Spec 8241	1
6 MDT Property Manager 8265	6
1 MDT Property Mgr. Sup 8266	1
3 Manager, MDT Fac. Maint 8320	3
90	90

#### Bus Services (70)

FY'18-19	FY'19-20
1 Assistant Director 8483	1
1 Executive Secretary 0095	1
1 SPA 1 0831	1
1 SPA 2 0832	1
4	4
<b>Bus Operations (71)</b>	
1 General Superintendent 8473	1
3 Clerk 4 0013	3
2 OSS 3 0022	2
3 Secretary 0031	3
1 Administrative Secretary 0094	1
1 Administrative Officer 1 0810	1
1 Administrative Officer 2 0811	1
1446 Bus Operator 8050	1425
2 Transit Supervisors 8102	2
13 MDT Instructor 8106H	13
1 MDT Training Sup. 8107	1
77 Transit Operations Sup. 8108	77
21 Bus Traffic Controller 8110	21
3 MDT Quality Assur Spec 8241	3
4 MDT Section Chief 8321	4
11 MDT Superintendent 8471	11
1590	1569
<b>Bus Maintenance (72)</b>	
1 General Superintendent 8473	1
1 Clerk 4 0013	1
3 Secretary 0031	3
2 Administrative Sec. 0094	2
1 Administrative Off 1 0810	1
23 Bus General Helper 8001	23
64 Bus Hostler 8002	64
259 Bus Maint. Tech. 8006	258
31 Bus Body Tech. 8010	31
10 Bus Maint. Cont. Clerk 8031	10
8 MDT Instructor 8016E	8
1 MDT Oper/Maint Sup 8107	1
33 Transit Mech Supv. 8127	33
3 Transit Body Painter 8129	3
3 Transit Yard Sup. 8133	3
1 Transit Cont. Comp. Off 8232	1
3 MDT Section Chief 8321	3
6 MDT Superintendent 8471	6
453	452

#### Rail Services (80)

FY'18-19	FY'19-20
1 Assistant Director, Rail 8483	1
1 Telephone Console Oper 0084	1
1 Administrative Secretary 0094	1
1 Executive Secretary 0095	1
1 Training Spec 3 0424	1
1 Administrative Officer 3 0812	1
0 Special Projects Admin. 1 0831	1
1 Special Projects Admin. 2 0832	1
1 Chief Sup., Rail Traffic Ctrl. 8161	1
1 Field Test Engineer 8358	1
1 Technical Training Spec 3 1864	1
11	12
<b>Rail Transportation (81)</b>	
1 General Superintendent 8473	1
1 Secretary 0031	1
1 Administrative Sec. 0094	1
84 Train Operator 8073	84
1 MDT Instructor 8106G	1
2 Rail Station Monitor 8116	2
27 Rail Traffic Controller 8160	27
2 Chief Sup. Traffic Con. 8161	2
1 Chief Sup., Rail Tran 8162	1
13 Rail Supervisor 8163	13
9 Rail Yard Master 8164	9
142	142
<b>Rail Maintenance (82)</b>	
1 General Superintendent 8473	1
1 Administrative Sec. 0094	1
1 Administrative Off 3 0812	1
7 Rail Veh. Machinist 8056	7
32 Rail Technician/TC 8060	32
27 Rail Technician/TP 8061	27
38 Rail Veh. Electronic Tech 8068	38
22 Rail Veh. Cleaner 8069	22
24 Rail Vehicle Mechanic 8071	24
2 Rail Maint Clerk. 8076	2
4 Rail Maint. Ctrl. Clk. 8077	4
1 MDT Instructor 8106	1
1 Rail Veh Cleaner Supv 8167	1
11 Rail Veh. Maint. Sup 8168	11
1 Cf Supv. Rail Veh. Repair 8169	1
6 Traction Power Supv 8171	6
6 Train Control Supv 8173	6
1 Chief Sup. TC/TP 8175	1
2 Chief Sup, Insp. 8182	2
1 Chief Sup, Rail Track Maint. 8185	1
189	189
<b>Track &amp; Guideway Maintenance (85)</b>	
1 General Superintendent 8473	1
1 Administrative Sec. 0094	1
2 Transit Welder 8022	2
13 Guideway Insp. Spec 8054	12
6 MDT Rail Veh Tech 8055	6
6 Rail Maint. Worker 8063	6
36 Track Repairer 8064	36
19 Rail Structure Rep 8065	19
14 Track Equip. Oper 8066	14
1 Rail Maint. Clerk 8076	1
3 Rail Maint, Ctrl Clerk 8077	3
1 MDT Instructor 8106D	1
1 Chief Sup., Shop Maint 8176	1
18 Rail Struc. & Track Sup. 8180	18
1 Chief Sup., Rail Struc 8181	1
5 Track Shop Sup. 8183	5
1 Chief Sup. Guideway Ins 8196	1
129	128
<b>Mover Operations &amp; Maint. (86)</b>	
1 General Superintendent 8473	1
1 Secretary 0031	1
12 Rail Vehicle Cleaner 8069	12
1 Rail Maint. Clerk 8076	1
2 Rail Maint. Ctrl Clerk 8077	2
45 Metromover Tech. 8082	45
1 MDT Instructor 8106B	1
1 Rail Veh. Cleaner Sup. 8167	1
1 Chief Supv. Rail Veh Rep 8169	1
7 Metromover Maint Sup. 8188	7
2 Chief, Sup. Mover Maint 8189	2
74	74
<b>Infrastructure &amp; Field Engineering (64)</b>	
<b>FY'18-19 FY'19-20</b>	
1 Chief, Field/Sys. Eng. 8362	1
1 Office Support Spec 2 0021	1
1 Spec Proj Admin 2 0832	1
1 Senior Professional Eng 1051	1
1 Construction Mgr 3 6612	1
1 Transit Fac Supt. 8136	1
14 Field Test Engineer 8356	12
18	18

# FY 19/20 STAFFING Table of Organization

## TRANSPORTATION AND PUBLIC WORKS ENGINEERING PLANNING & DEVELOPMENT STAFFING CHART FY 19 BUDGET – FY 20 BASE

### TRAFFIC ENGINEERING (PW) (03)

FY'18-19	FY'19-20
1 Chief, Traffic Engineer 1069	1
1 Clerk 4 0013	1
1 Admin Secretary 0094	1
1 Administrative Officer 1 0810	1
2 Administrative Officer 3 0812	2
<b>Area Engineers</b>	
1 Professional Eng. 1050	1
1 Traffic Engineer 1 1094	1
3 Traffic Engineer 2 1095	3
1 Traffic Engineer 3 1096	1
<b>Traffic Operations Safety Studies</b>	
13 Traffic Analyst 2 1091	11
1 Traffic Analyst Supervisor 1093	1
1 Traffic Engineer 1 1094	1
1 Traffic Engineer 3 1096	1
<b>Traffic Impact Studies</b>	
1 Professional Engineer 1050	1
1 Traffic Engineer 2 1095	1
<b>Schools and Non-Motorized</b>	
1 Professional Engineer 1050	1
1 Cadastral Tech 1017	1
0 Traffic Engineer 1 1094	1
1 Traffic Engineer 2 1095	1
<b>Manager Design, Schools and Non-Motorized</b>	
3 Senior Cadastral Technician 1018	3
1 Engineer 1 1020	1
1 Engineer 2 1021	1
5 Professional Engineer 1050	5
1 Manager Traffic Engineer 1067	1
3 Traffic Engineer 1 1094	3
2 Traffic Engineer 2 1095	2
2 Traffic Engineer 3 1096	2
<b>50</b>	<b>50</b>

### STRUCTURAL ENGINEERING (39)

FY'18-19	FY'19-20
1 Cadastral Technician 1017	1
1 Engineer 1 1020	1
4 Rail Structural Insp. Spec. 8097	4
1 Rail Structural Insp. Sup. 8179	1
<b>7</b>	<b>7</b>
<b>Highway Bridge Inspection (300100)</b>	
FY'18-19	FY'19-20
1 Sr. Professional Engineer 1051	1
1 DTPW Project Insp. 1 1223	1
<b>2</b>	<b>2</b>

### RIGHT-OF-WAY (PW) (04)

FY'18-19	FY'19-20
<b>Special Projects &amp; Survey Section</b>	
1 Administrative Officer 3 0812	1
16 Eng. Survey Technician 1 1010	16
12 Eng. Survey Technician 2 1011	12
11 Eng. Survey Sup 1012	11
1 Cadastral Technician 1017	1
2 Senior Cadastral Technician 1018	2
1 Engineer 1 1020	1
1 PW Prof. Cont. Spec. 1036	1
3 Prof. Land Surveyor 1055	3
1 Senior Prof. Land Surveyor 1056	1
2 Duplicating Equip. Operator 1280	2
1 GIS 1701	1
<b>Engineering Section</b>	
1 Sr. Cadastral Tech. 1018	1
3 Prof. Land Surveyor 1055	3
1 Sr. Prof. Land Surveyor 1056	1
3 Title Analyst 1228	3
<b>Real Estate Section</b>	
5 Real Estate Officer 3556	5
1 Chief Real Estate 3557	1
<b>66</b>	<b>66</b>

### HIGHWAY ENGINEERING (PW) (05)

FY'18-19	FY'19-20
<b>1 Assistant Director 1086</b>	
2 Recording Secretary 0032	2
1 Executive Secretary 0095	1
2 Administrative Officer 3 0812	1
2 Special Projects Administrator 1 0831	2
1 Drafting Specialist 9217	1
1 Senior Cadastral Technician 1018	1
2 Engineer 2 1021	3
2 Engineer 3 1022	2
1 Engineer 4 1023	1
3 Professional Engineer 1050	3
3 Senior Professional Engineer 1051	3
1 Chief, Highway Division 1068	1
<b>Storm Water Design</b>	
1 Secretary 0031	1
5 Cadastral Tech 1017	5
1 Senior Cadastral Technician 1018	1
1 Engineer 1 1020	1
6 Engineer 2 1021	6
3 Engineer 3 1022	3
1 Manager, Storm Water 1573	1
<b>40</b>	<b>40</b>

### CONSTRUCTION DIVISION (PW) (18)

FY'18-19	FY'19-20
<b>1 Assistant Director 1086</b>	
1 Executive Secretary 0095	1
1 Administrator Officer 3 0812	1
0 Special Project Admin 1 0831	1
1 Senior Professional Engineer 1051	1
1 Traffic Analyst 1091	1
1 Division Chief, Rec. & Mitigation 1590	1
1 Transit Contracts Comp. Officer 8232	0
1 Manager, DTPW Work Program 8258	1
0 Chief, DTPW Construction 8392	1
<b>Capital Improvements Section</b>	
2 Clerk 2 0011	2
1 Clerk 3 0012	1
4 Clerk 4 0013	2
1 Secretary 0031	1
1 Administrative Officer 1 0810	1
1 Special Projects Administrator 1 0831	0
1 Special Projects Administrator 2 0832	1
1 Engineering Permit Clerk 2 1014	1
4 Engineer 2 1021	5
1 Engineer 3 1022	1
0 Contracts Compliance Officer 8232	3
1 Chief, Capital Imp. Division 8364	1
<b>Inspection, Permitting &amp; Bond Section</b>	
1 Office Support Specialist 2 0021	1
3 Engineering Permit Clerk 2 1014	4
8 PW Inspector 1 1223	8
2 PW Inspector 2 1224	2
1 Permit Supervisor 6335	1
1 Manager, PW 1 6349	1
<b>Capital Improvement Project Section</b>	
1 Engineer 2 1021	1
2 Engineer 3 1022	1
6 Road Const Cost Estimator 1040	5
8 Road Construction Engineer 1043	6
3 PW Projects Inspector 1 1223	4
1 PW Projects Inspector 2 1224	0
1 Construction Manager 2 6611	1
1 Construction Manager 3 6612	1
1 Chief, DTPW Construction 8392	0
<b>Concrete, Sidewalk &amp; Canal Improvements</b>	
0 Engineer 3 1022	1
7 Road Const Cost Estimator 1040	7
2 Road Construction Engineer 1043	0
3 PW Projects Inspector 2 1224	3
1 Const. Cost Estimator 2 6453	0
1 Construction Manager 3 6612	1
<b>MDT Construction Projects</b>	
1 Administrative Officer 3 0812	1
2 Construction Manager 2 6611	2
3 Construction Manager 3 6612	3
<b>PW Construction Projects/Drainage</b>	
0 Road Construction Cost Est. 1040	1
0 Road Const. Engineer 1043	4
0 Construction Cost Estimator 2 6453	1
<b>Resurfacing, Guardrail, Intersection, Pavement Markings Improvement</b>	
1 Engineer Permit Clerk 2 1014	0
12 Road Const. Cost Estimator 1040	12
2 Road Construction Engineer 1043	2
2 PW Projects Inspector 1 1223	2
2 PW Projects Inspector 2 1224	3
1 Const. Cost Estimator 2 6453	1
1 Construction Manager 3 6612	1
<b>108</b>	<b>109</b>

### TRAFFIC SIGNALS & SIGNS (PW) (15)

FY'18-19	FY'19-20
<b>1 Assistant Director 8479</b>	
1 Administrative Secretary 0094	1
1 Chief, Traffic Signals & Signs 1070	1
<b>Administration</b>	
2 Clerk 4 0013	2
1 Special Project Administrator 0832	1
<b>Plan Review</b>	
1 Traffic Engineer 3 1096	1
1 Traffic Std & Spec Coord 1097	1
<b>Warehouse</b>	
0 Store Keeper 1 0220	1
1 Store Keeper 2 0221	0
1 Purchasing Specialist 7272	0
<b>Traffic Signal Operation</b>	
1 Word processor 2 0052	0
0 Administrative Officer 1 0810	1
1 Traffic Engineering Mgr. 1088	1
1 Traffic Engineer 1 1094	1
9 Traffic Engineer 2 1095 11	1
3 Traffic Engineer 3 1096	3
1 Traffic Signal Technician 1 1237	1
<b>Traffic Control Center</b>	
4 Traffic Control System Spec 1092	4
1 Traffic Engineering Mgr. 1088	1
<b>System Maintenance/Electrical Repairs</b>	
3 Traffic Signal Sign Tech 1 1237	3
5 Traffic Signal Sign Tech 2 1238	5
1 Traffic Signal Tech Supv. 1239	1
<b>Signal Maintenance</b>	
10 Traffic Signal Sign Tech 1 1237	11
3 Traffic Signal Sign Tech 2 1238	3
1 Traffic Signal Tech Supv. 1239	1
<b>Signal Construction</b>	
7 Traffic Signal Sign Tech 1 1237	7
2 Traffic Signal Sign Tech 2 1238	2
1 Traffic Signal Tech Supv. 1239	1
5 Traffic Maintenance Repair 1242	5
<b>Construction Contracts</b>	
1 Secretary 0031	1
2 Road Construction Estimator 1040	2
1 Road Construction Engineer 1043	1
1 PWD Projects Inspector 1223	1
2 Traffic Signal Const. Inspector 1235	3
2 Traffic Maintenance Repair 1242	2
2 Maintenance Repair 6501	2
1 Construction Manager 3 6612	1
<b>Road Lighting</b>	
1 Roadway Lighting Tech 0656	1
1 Professional Engineer 1050	1
2 Roadway Lighting Inspector 1229	2
1 Roadway Lighting Insp. Supv 1230	1
1 Construction Manager 3 6612	1
<b>Sign Installation/Fabrication/Pavement Markings</b>	
0 Clerk 3 0012	1
1 Office Support Specialist 2 0021	0
14 Traffic Maintenance Repair 1242	16
1 Traffic Maint. Manager 1247	1
1 Maintenance Repair 6501	1
2 Sign Painter 6540	2
1 Welder 6560	1
2 T. M. Supervisor 9935	2
<b>109</b>	<b>114</b>

### ROAD, BRIDGE, CANAL MAINTENANCE (PW) (16)

FY'18-19	FY'19-20
<b>1 Chief, DTPW Division 2 8332</b>	
1 Administrative Secretary 0094	1
<b>Canal Maintenance Operation</b>	
1 Clerk 3 0012	1
1 Account Clerk 0310	1
1 Accountant 1 0315	1
1 Engineer 1 1020	1
8 Semi Skilled Laborer 6035	8
10 Sprayer 6044	10
4 Public Works Supervisor 2 6047	4
4 Maintenance Mechanic 6101	4
4 Auto Equipment Operator 1 6205	4
22 Auto Equipment Operator 2 6206	22
1 Auto Equipment Operator 3 6207	1
6 Heavy Duty Crane Operator 6227	6
1 Power Systems Supervisor 6549	1
4 Power Systems Technician 6550	4
1 Welder 6560	1
1 Maint. Ops. Superintendent 9836	1
<b>Road &amp; Bridge Operations</b>	
4 Clerk 3 0012	4
1 Store Keeper 1 0220	1
1 Administrative Officer 2 0811	1
1 Procurement Supervisor 8466	0
2 PW Hydra Mechanic 1013	2
22 Neat Specialist 1030	22
1 Road Constr. Cost Estimator 1040	1
20 Bridge Operator 6010	20
3 Semi-Skilled Laborer 6035	3
2 Public Works Supervisor 1 6046	2
1 Public Works Supervisor 2 6047	1
2 Bridge Supervisor 1 6051	2
1 Light Equipment Technician 6112	1
5 Auto Equipment Operator 1 6205	5
6 Auto Equipment Operator 2 6206	6
2 Auto Equipment Operator 3 6207	2
7 Bridge Repairer 6502	7
2 Electrician 6510	2
1 Welder 6560	1
1 Purchasing Specialist 7272	0
1 Maint. Ops. Superintendent 9836	1
<b>Venetian Causeway Maintenance Operations</b>	
1 PW&WM Hydra Mech 1013	1
9 Bridge Operators 6010	9
1 Bridge Repairer 6502	1
<b>Road Drainage Operations</b>	
2 Road Const Cost Estimator 1040	2
1 GIS Specialist 1701	1
12 Semi-Skilled Laborer 6035	12
3 Public Works Supervisor 2 6047	3
2 Auto Equipment Operator 1 6205	2
19 Auto Equipment Operator 2 6206	19
2 Auto Equipment Operator 1 6207	2
1 Welder 6560	1
1 Maint. Ops. Superintendent 9836	1
<b>212</b>	<b>210</b>

# APPENDIX A.2





## A.2 Service Characteristics (December 2019)

**DTPW METROBUS ROUTE HEADWAYS (Updated: December 2019)**

Route Number	PEAK (AM/PM)	OFF-PEAK (Midday)	EVENING (at 8 pm)	OVER NIGHT	SATURDAY	SUNDAY
Branches						
1	40	40	n/a	n/a	40	40
2						
NW 2 Avenue / NW 79 Street	20	20	30	n/a	20	30
163rd Street Mall	60	60	50	n/a	n/a	n/a
3	20	30	30	60	20	20
7						
East of NW 44 Avenue	15	30	30	n/a	30	30
MIA Metrorail Station	30	40	60	n/a	40	40
Dolphin Mall	30	40	60	n/a	40	40
8						
East of SW 82 Avenue	15	30	30	n/a	30	30
Westchester	30	60	30	n/a	30	30
FIU via SW 8 Street	30	60	n/a	n/a	n/a	n/a
FIU via Coral Way	30	60	30	n/a	n/a	n/a
9						
163rd Street Mall	12	30	30	n/a	30	30
Aventura Mall	24	30	40	n/a	30	30
10	30	30	30	n/a	30	30
11						
East of 79 Avenue	10	20	20	60	20	30
Mall of the Americas	20	40	40	60	40	30
FIU-University Park Campus	20	40	40	60	40	60
12	30	30	60	n/a	40	40
16	30	30	30	n/a	24	30
17						
Vizcaya	30	30	60	n/a	30	30
South of NW 95 Street & north of W. Flagler Street	15	30	60	n/a	30	30
NW 7 Avenue/105 Street	30	n/a	n/a	n/a	n/a	n/a
Norwood	30	30	60	n/a	30	30
19	30	30	40	n/a	n/a	n/a
21	30	30	60	n/a	40	40

Route Number	PEAK (AM/PM)	OFF-PEAK (Midday)	EVENING (at 8 pm)	OVER NIGHT	SATURDAY	SUNDAY
Branches						
22						
North of West Flagler Street	15	30	60	n/a	30	30
Coconut Grove Station	30	60	60	n/a	60	60
24 Coral Way Limited						
Westchester	20	60	60	n/a	30	30
FIU-University Park Campus	30	60	60	n/a	60	60
SW 137 Avenue/26 Street	48	60	60	n/a	60	60
SW 147 Avenue/26 Street	40	n/a	n/a	n/a	n/a	n/a
27						
South of 183 Street	15	20	30	60	30	30
Calder via NW 27 Avenue	30	40	60	n/a	40	60
Calder via NW 37 Avenue	30	40	60	60	40	60
29	50	50	n/a	n/a	n/a	n/a
31 (Busway Local)	30	30	40	n/a	30	30
32	30	30	60	n/a	40	60
33	30	30	60	n/a	30	30
34 Express	10	n/a	n/a	n/a	n/a	n/a
35						
North of Naranja	20	20	40	n/a	30	30
Florida City via Homestead Hospital (35)	40	40	40	n/a	60	60
Florida City via Krome Avenue (35A)	40	40	40	n/a	60	60
36						
East of NW 57 Avenue	20	30	40	n/a	30	30
Doral Center	20	60	n/a	n/a	60	60
Miami Springs Circle	60	60	60	n/a	60	60
Dolphin Mall	60	60	50	n/a	n/a	n/a
37	30	30	30	n/a	30	30
38 (Busway MAX)	10	20	15	60	20	20
39 Express	15	n/a	n/a	n/a	n/a	n/a

**DTPW METROBUS ROUTE HEADWAYS (Continued) (Updated: December 2019)**

Route Number	PEAK (AM/PM)	OFF-PEAK (Midday)	EVENING (at 8 pm)	OVER NIGHT	SATURDAY	SUNDAY
Branches						
40						
East of SW 127 Avenue	15	30	50	n/a	60	60
SW 8 Street/SW 129 Avenue	20	60	50	n/a	n/a	n/a
Miller Drive/SW 152 Avenue	30	60	45	n/a	60	60
42						
MIA Metrorail Station	30	30	60	n/a	40	60
Opa-locka Tri-Rail Station	60	60	n/a	n/a	40	60
46 (Liberty City Connection)	60	n/a	n/a	n/a	n/a	n/a
51 (Flagler MAX)	15	30	30	n/a	n/a	n/a
52	30	45	60	n/a	45	60
54						
Hialeah Gardens	30	30	24	n/a	30	40
Miami Gardens Drive/NW 87 Avenue	50	60	n/a	n/a	n/a	n/a
56	60	60	n/a	n/a	n/a	n/a
57	60	60	n/a	n/a	n/a	n/a
62	30	30	60	n/a	20	30
71	30	60	45	n/a	60	60
72						
East of SW 137 Avenue	30	30	40	n/a	60	60
Miller Square	60	60	40	n/a	60	60
SW 162 Avenue/Kendall Drive	60	60	n/a	n/a	60	60
73	30	40	60	n/a	60	60
75	30	30	60	n/a	60	60
77						
South of NW 183 Street	8	20	30	n/a	20	30
NW 199 Street	15	40	30	n/a	40	60
79 (79 Street MAX)	24	n/a	n/a	n/a	n/a	n/a
82 (Westchester Circulator)	50	50	n/a	n/a	50	n/a
87						
Doral	30	45	60	n/a	45	60
Palmetto Station	30	45	60	n/a	n/a	n/a

Route Number	PEAK (AM/PM)	OFF-PEAK (Midday)	EVENING (at 8 pm)	OVER NIGHT	SATURDAY	SUNDAY
Branches						
88	20	30	30	n/a	30	30
93 (Biscayne MAX)	15	30	n/a	n/a	n/a	n/a
95 Express						
Downtown	5	n/a	n/a	n/a	n/a	n/a
Miami Gardens Dr./Carol City	35	n/a	n/a	n/a	n/a	n/a
Aventura Mall	20	n/a	n/a	n/a	n/a	n/a
Civic Center	15	n/a	n/a	n/a	n/a	n/a
Earlington Heights / Doral *	*	n/a	n/a	n/a	n/a	n/a
99						
East of NW 47 Avenue	30	30	45	n/a	40	40
Miami Gardens Dr / NW 73 Ave	60	60	60	n/a	40	40
101 (Route A)	35	n/a	n/a	n/a	35	35
102 (Route B)						
East of Harbor Drive	8/15	30	30	n/a	30	30
Cape Florida State Park	10/20	60	30	n/a	60	60
Mashta Drive	60	60	n/a	n/a	60	60
103 (Route C)	30	30	45	n/a	30	45
104	30	45	60	n/a	60	60
105 (Route E)	30	45	30	n/a	60	60
107 (Route G)	30	30	60	n/a	35	35
108 (Route H)	30	30	30	n/a	30	30
110 (Route J)	20	30	30	n/a	30	30
112 (Route L)						
Northside Station	12	15	30	60	15	20
Amtrak Station	24	30	50	n/a	sel	sel
Hialeah Station	24	30	30	n/a	30	40
113 (Route M)	45	60	60	n/a	60	60
115 (Mid-North Beach Connection)	50	50	n/a	n/a	50	50
119 (Route S)	15/12	15	15	60	15	15

**DTPW METROBUS ROUTE HEADWAYS (Continued) (Updated: December 2019)**

Route Number	PEAK (AM/PM)	OFF-PEAK (Midday)	EVENING (at 8 pm)	OVER NIGHT	SATURDAY	SUNDAY
Branches						
120 (Beach MAX)						
South of Collins Avenue/Haulover Park Entrance	12	12	40	n/a	15	30
Haulover Park Marina	24	24	n/a	n/a	30	n/a
Aventura Mall	24	24	40	n/a	30	30
132 (Tri-Rail Doral Shuttle)	70/60	n/a	n/a	n/a	n/a	n/a
135						
East of LeJeune Road	30	30	30	n/a	60	60
Hialeah Station	50	60	70	n/a	60	60
Miami Lakes	50	60	70	n/a	n/a	n/a
136	40	n/a	n/a	n/a	n/a	n/a
137 (West Dade Connection)	30	45	60	n/a	45	45
150 (Miami Beach Airport Express)	20	20	20	n/a	20	20
155 (Biscayne Gardens Circulator)	30	30	n/a	n/a	n/a	n/a
183	15	20	30	n/a	30	30
195 (95 D-B Express Broward Blvd.)	15	n/a	n/a	n/a	n/a	n/a
196 (95 D-B Express Sheridan St.)	15	n/a	n/a	n/a	n/a	n/a
200 (Cutler Bay Local)	60	60	n/a	n/a	60	60
202 (Little Haiti Connection)						
West of NW 5 Avenue	60	45	n/a	n/a	60	60
Biscayne Plaza	n/a	45	n/a	n/a	n/a	n/a
204 (Killian KAT)	8½	n/a	30	n/a	n/a	n/a
207 (Little Havana Connection CW)	15	30	20	n/a	30	30
208 (Little Havana Connection CCW)	15	30	20	n/a	30	30
210 (Skylake Circulator)	30	30	60	n/a	60	60
211 (Overtown Circulator)	n/a	45	n/a	n/a	n/a	n/a
212 (Sweetwater Circulator)	n/a	30	n/a	n/a	n/a	n/a
217 (Bunche Park Circulator)	30	30	n/a	n/a	n/a	n/a
238 (East-West Connection)	45	60	n/a	n/a	n/a	n/a
246 (Night Owl)	n/a	n/a	n/a	60	60 ovn	60 ovn
248 (Princeton Circulator)	60	60	n/a	n/a	n/a	n/a

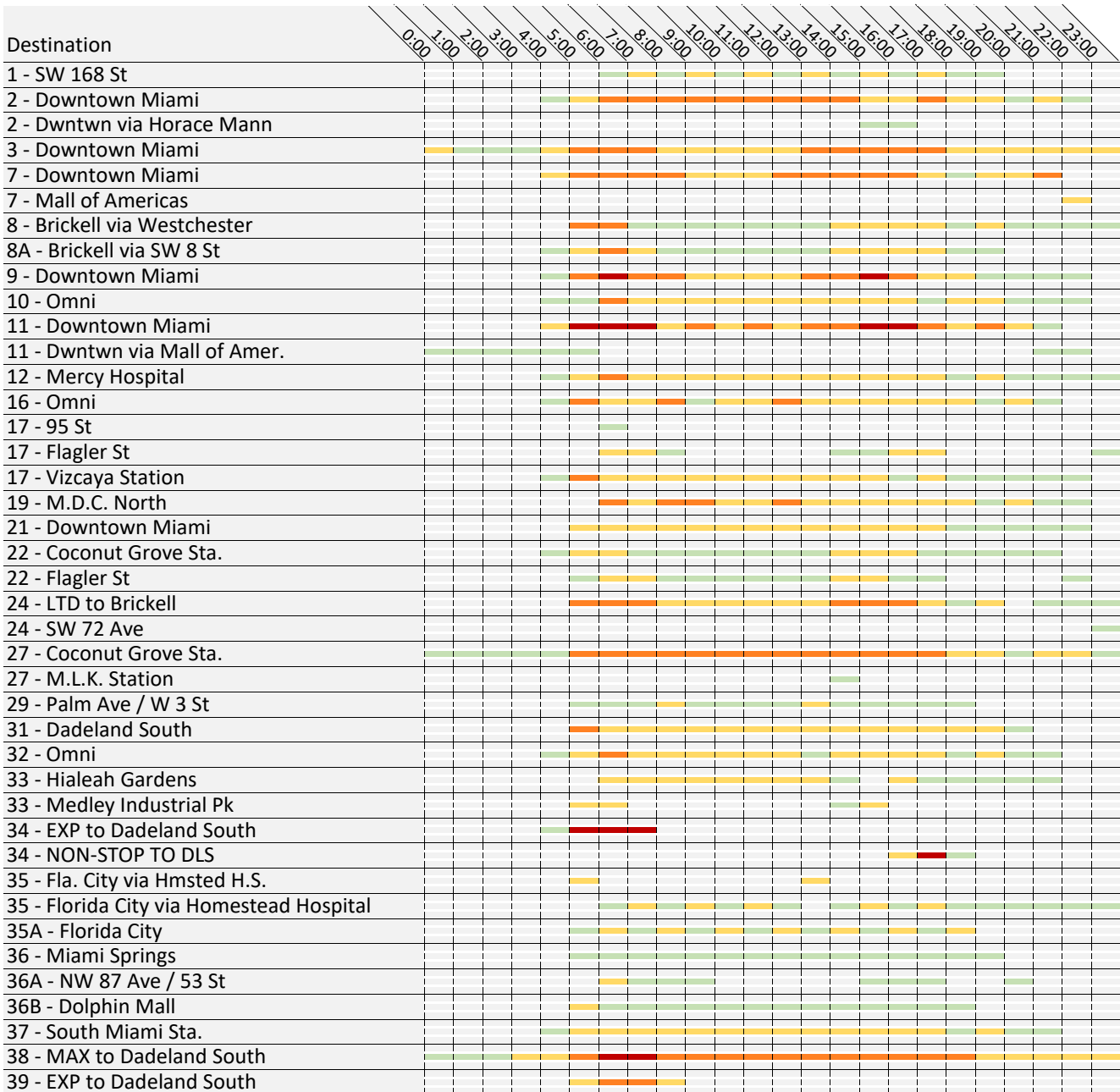
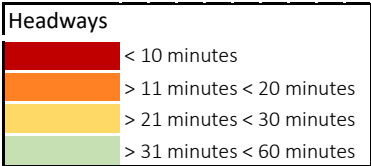
Route Number	PEAK (AM/PM)	OFF-PEAK (Midday)	EVENING (at 8 pm)	OVER NIGHT	SATURDAY	SUNDAY
Branches						
252 (Coral Reef MAX)						
Zoo Miami	n/a	n/a	n/a	n/a	60	60
Country Walk	25/20	60	50	n/a	60	60
254 (Brownsville Circulator)	n/a	30	n/a	n/a	n/a	n/a
267 (Ludlam Limited)	25	n/a	n/a	n/a	n/a	n/a
272 (Sunset KAT)	20	n/a	n/a	n/a	n/a	n/a
277 (NW 7 Avenue MAX)	24	n/a	n/a	n/a	n/a	n/a
286 (North Pointe Circulator)	48	48	n/a	n/a	48	n/a
287 (Saga Bay MAX)	35	n/a	n/a	n/a	n/a	n/a
288 (Kendall Cruiser)						
East of SW 127 Ave	7½	n/a	n/a	n/a	n/a	n/a
West Kendall Transit Terminal	15	n/a	n/a	n/a	n/a	n/a
SW 127 Avenue P&R Lot	15	n/a	n/a	n/a	n/a	n/a
295 (95 D-B Express to Civic Center Broward Blvd.)	30	n/a	n/a	n/a	n/a	n/a
296 (95 D-B Express to Civic Center Sheridan St.)	30	n/a	n/a	n/a	n/a	n/a
297 (27th Avenue Orange MAX)	15	30	n/a	n/a	n/a	n/a
301 (Dade-Monroe Express)						
Marathon (Mile Marker 50)	30	30	120	n/a	30	30
Islamorada (Mile Marker 74)	60	105	45	n/a	60	60
302 (Card Sound Express)	90	n/a	n/a	n/a	90	90
338 (Weekend Express)	n/a	n/a	n/a	n/a	60	60
344	60	60	n/a	n/a	n/a	n/a
500 (Midnight Owl)	n/a	n/a	n/a	60	60 ovn	60 ovn

Notes:

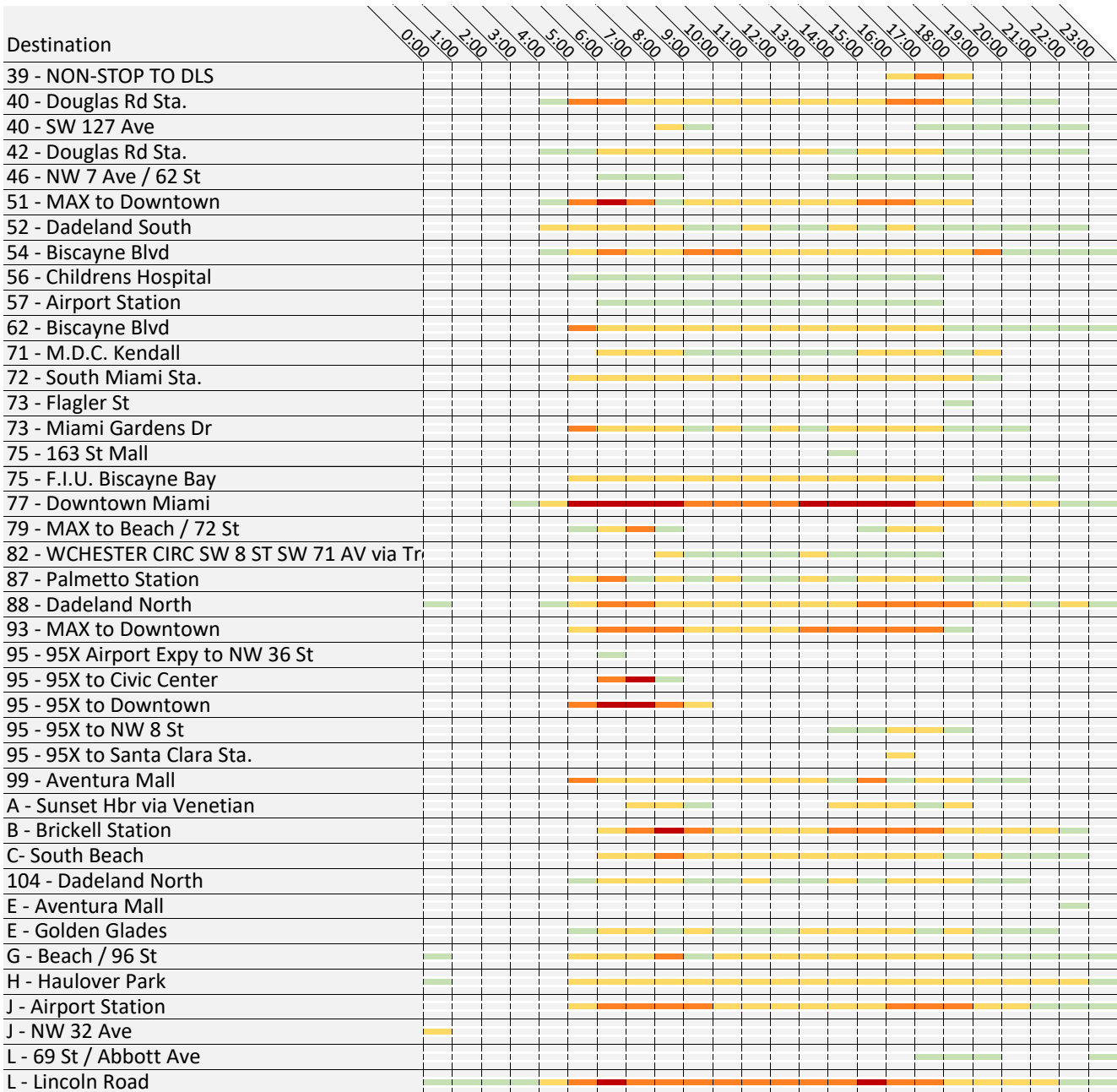
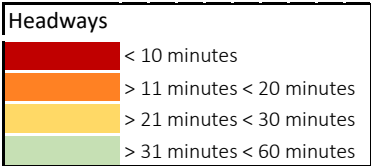
- 1) Gray shaded cells are branches to the route in the row directly above
- 2) n/a = no service available or not applicable
- 3) sel = selected trips only
- 4) ovn = overnight service only
- 5) \* = one a.m. trip & one p.m. trip



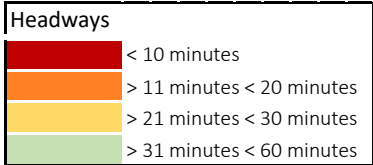
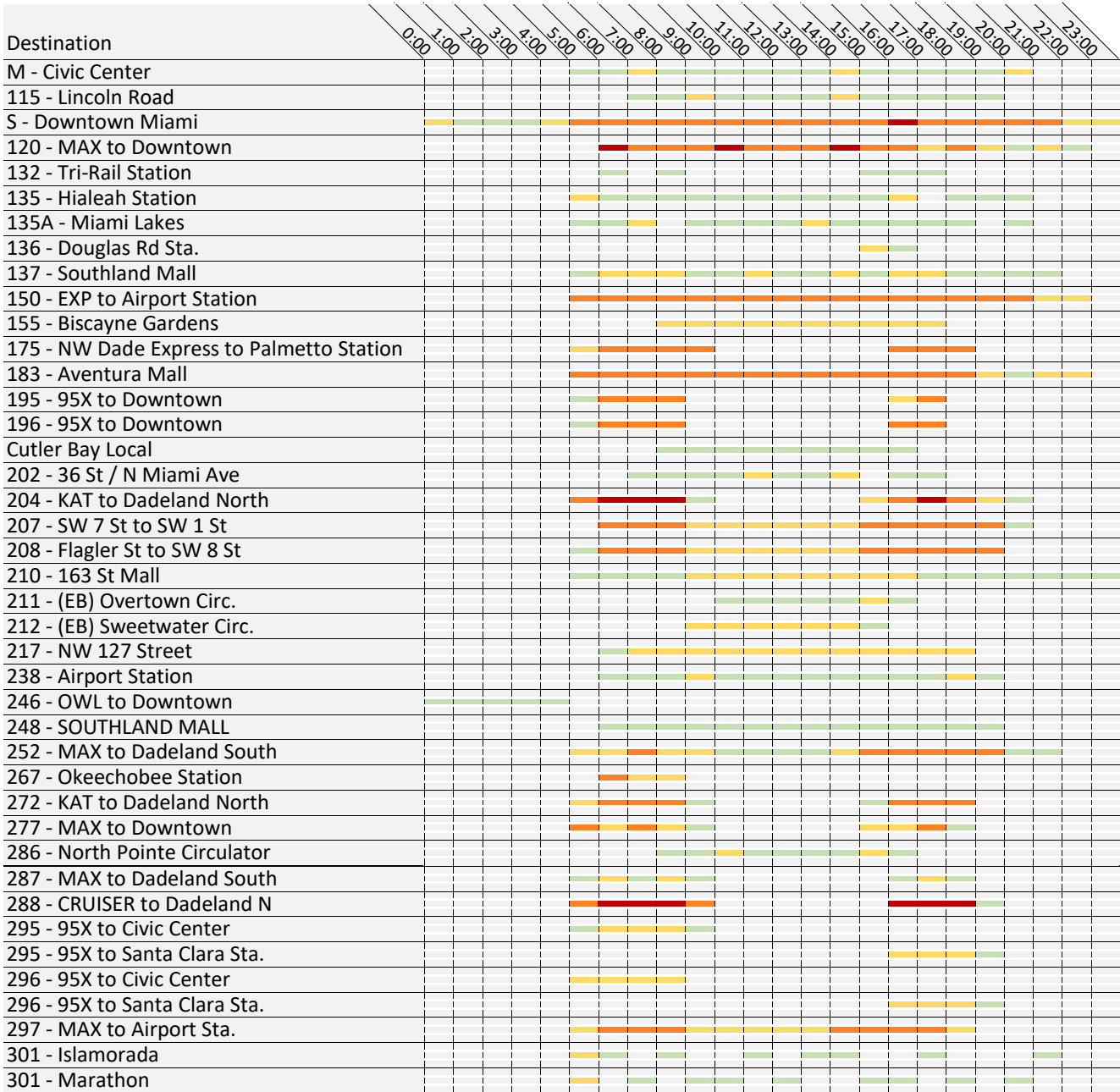
## 2019 Transit Routes Headways - Weekdays



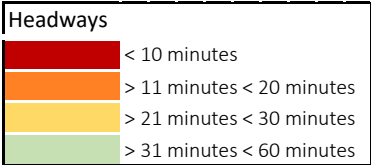
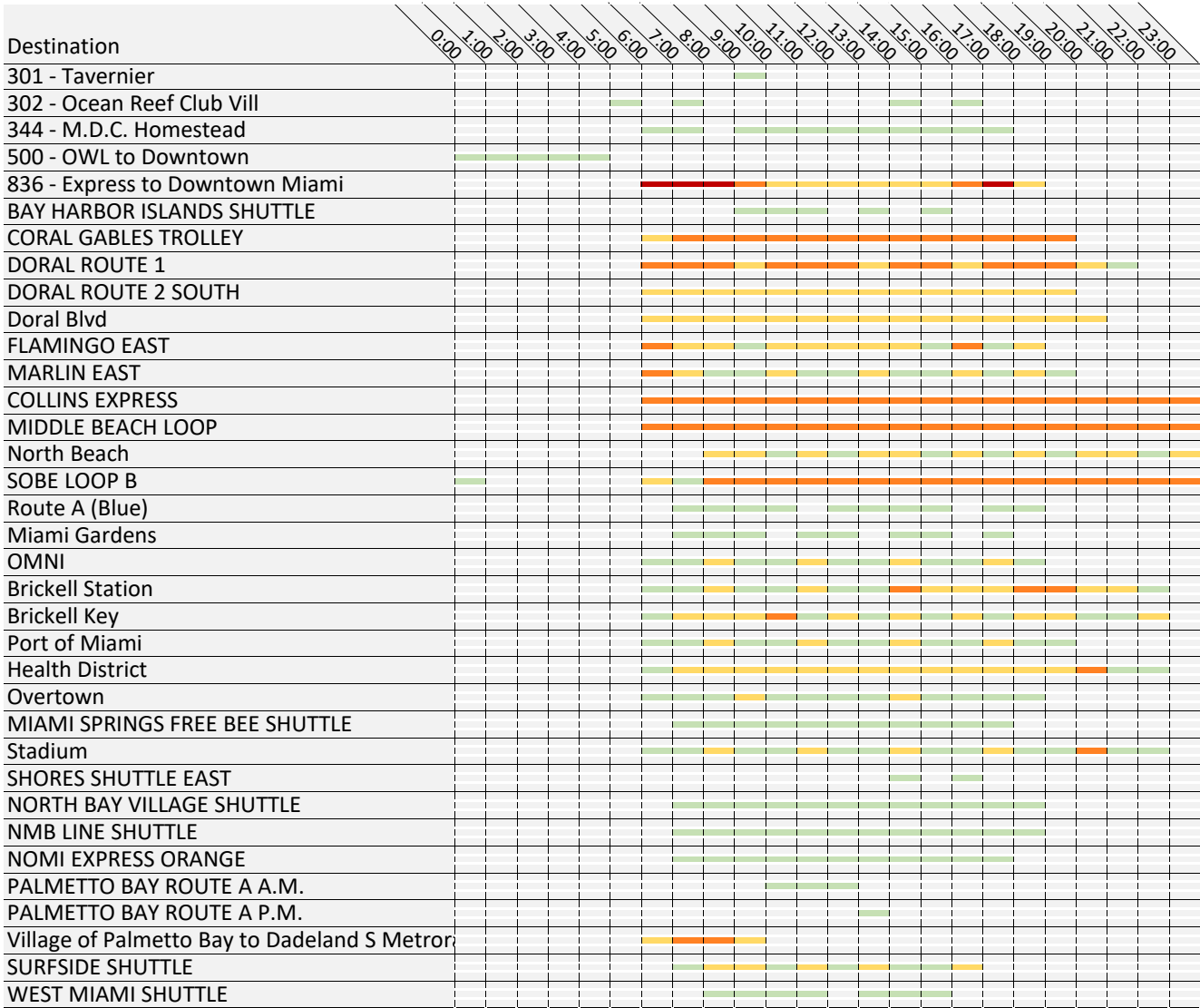
## 2019 Transit Routes Headways - Weekdays



## 2019 Transit Routes Headways - Weekdays







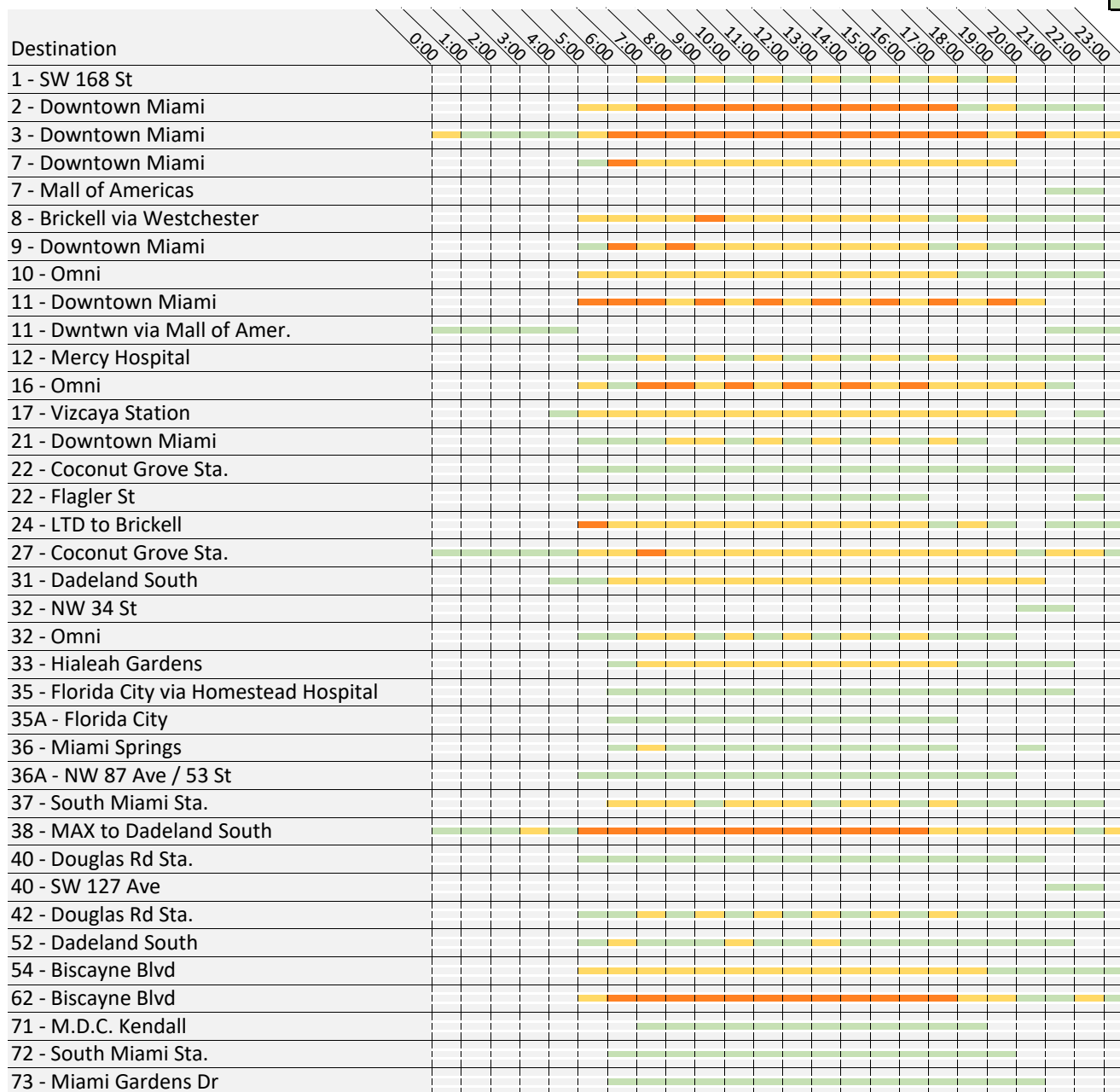
## 2019 Transit Routes Headways - Weekdays



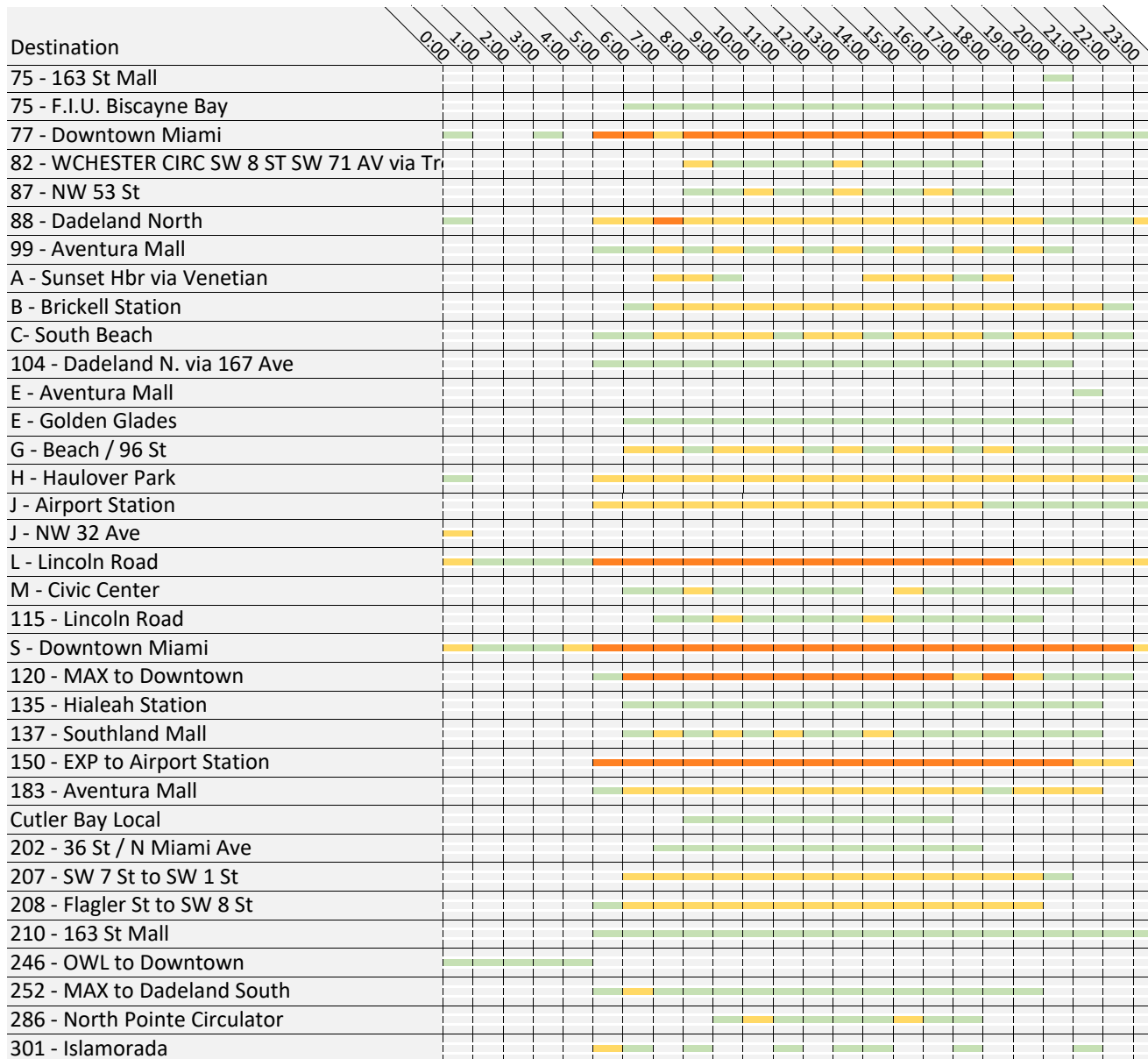
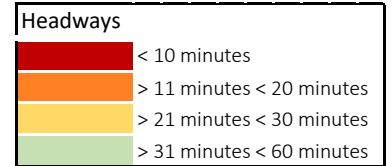


### Headways





	< 10 minutes
	> 11 minutes < 20 minutes
	> 21 minutes < 30 minutes
	> 31 minutes < 60 minutes

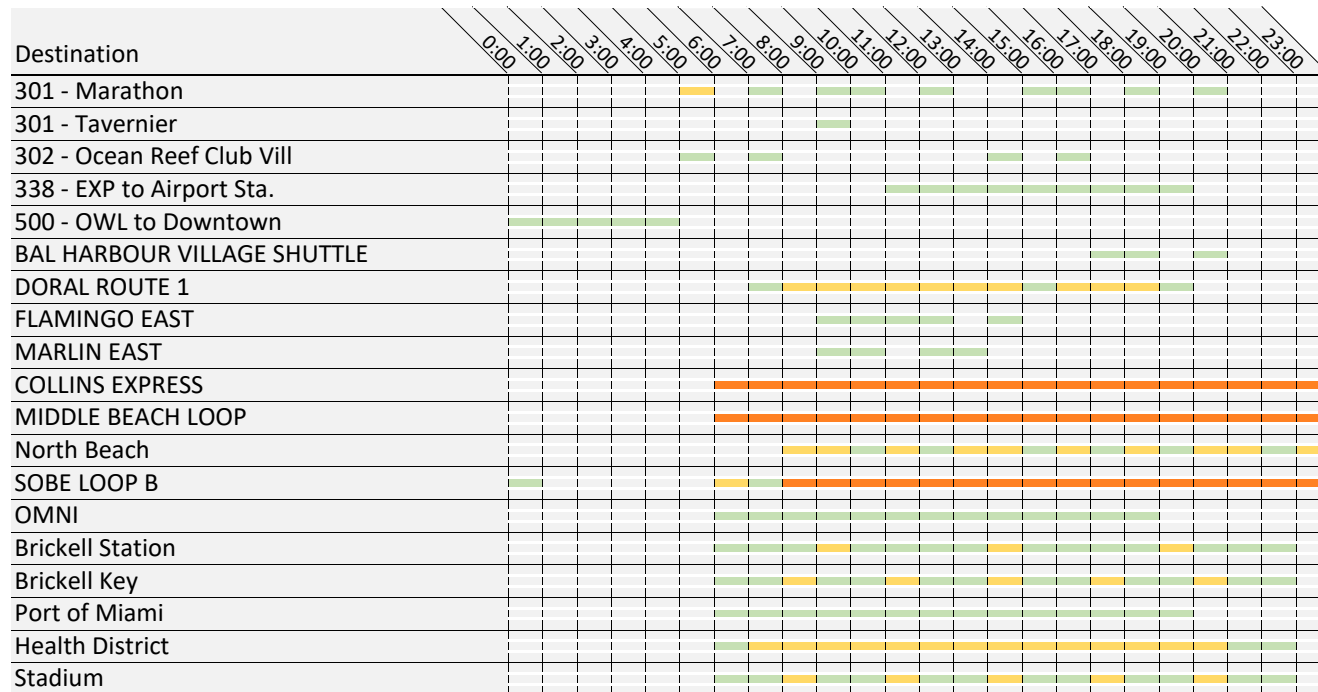


## 2019 Transit Routes Headways - Saturdays

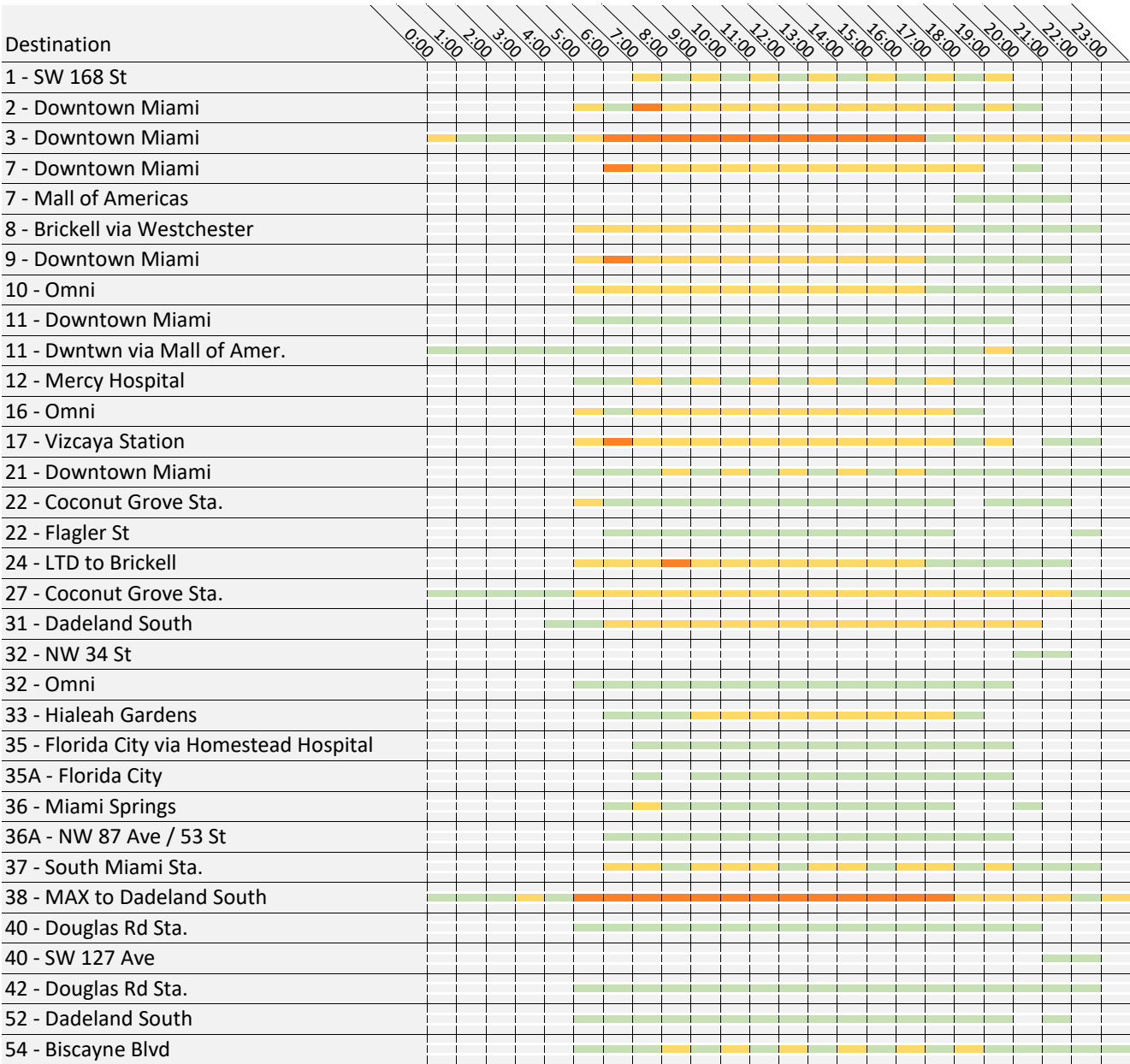
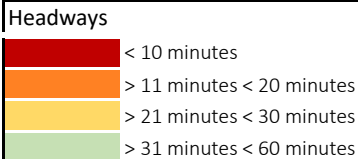


### Headways

	< 10 minutes
	> 11 minutes < 20 minutes
	> 21 minutes < 30 minutes
	> 31 minutes < 60 minutes

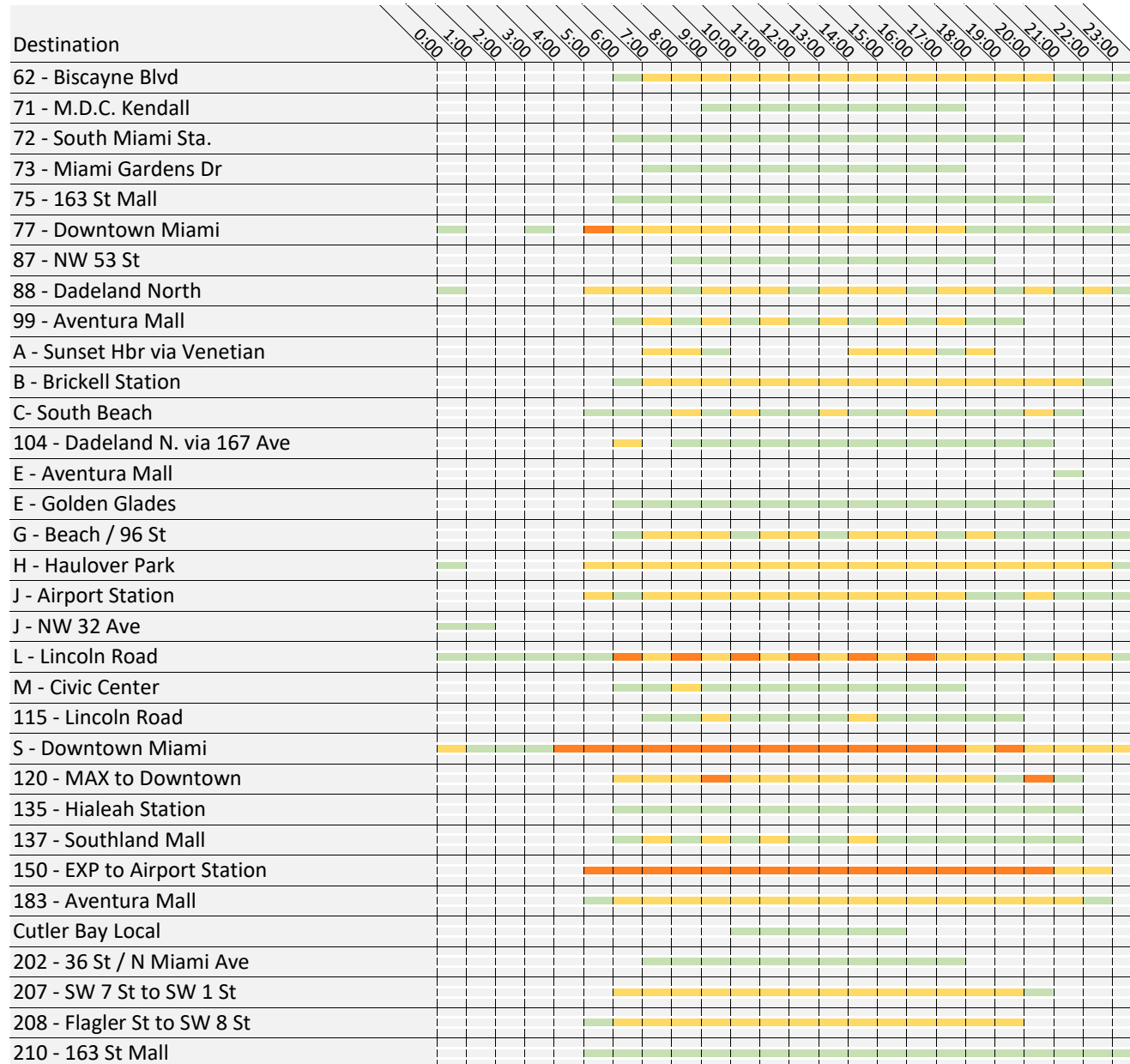
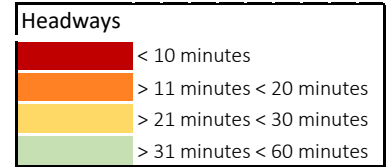


## 2019 Transit Routes Headways - Sunday

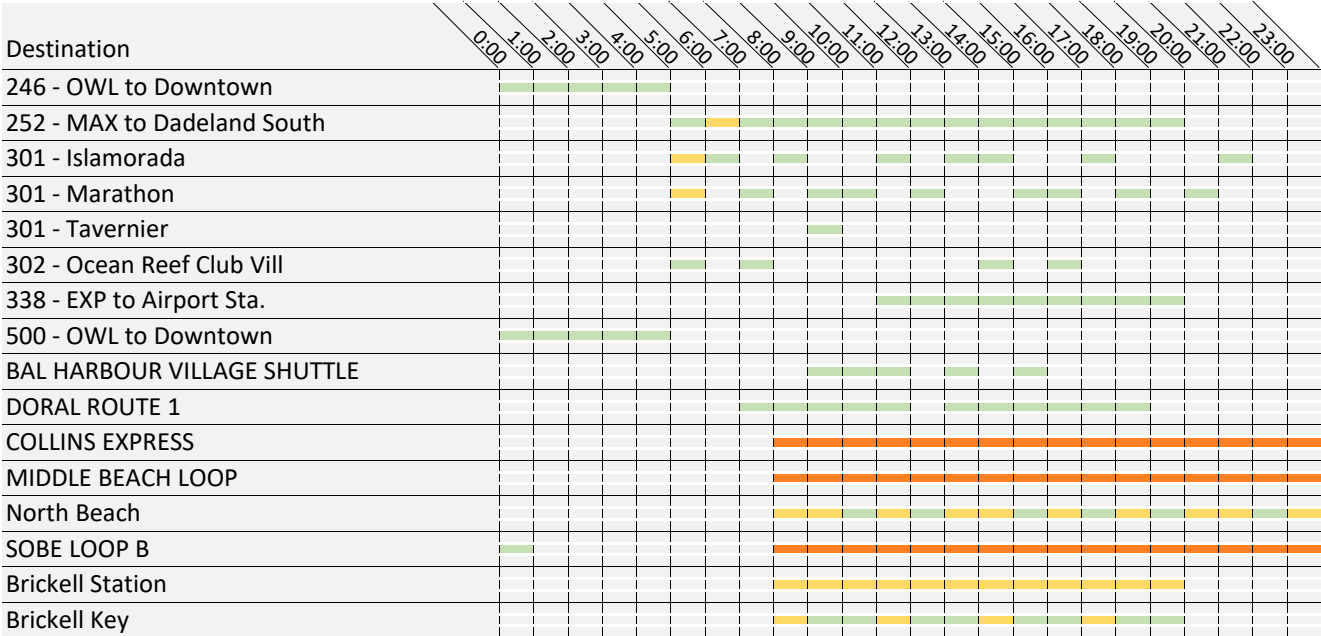
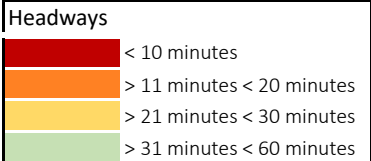




## 2019 Transit Routes Headways - Sunday



## 2019 Transit Routes Headways - Sunday



# APPENDIX A.3



### A.3 Municipal Transit Services





# Municipal Transit Services

Municipality	Service Operator	Website Address
City of Aventura	Contractor	<a href="https://www.cityofaventura.com/183/Aventura-Express-Shuttle-Bus">https://www.cityofaventura.com/183/Aventura-Express-Shuttle-Bus</a>
Village of Bal Harbour	Contractor	<a href="http://cdn.trustedpartner.com/docs/library/TownofBayHarborIsland%2015/Content/SHUTTLEBUS-BUS-INFO.pdf">http://cdn.trustedpartner.com/docs/library/TownofBayHarborIsland%2015/Content/SHUTTLEBUS-BUS-INFO.pdf</a>
Village of Bay Harbor Islands	Contractor	<a href="https://www.bayharborislands-fl.gov/DocumentCenter/View/375/Shuttle-Schedule-and-Map-PDF?bidid=">https://www.bayharborislands-fl.gov/DocumentCenter/View/375/Shuttle-Schedule-and-Map-PDF?bidid=</a>
Village of Biscayne Park	N/A	
City of Coral Gables	Contractor	<a href="https://evogov.s3.us-west-2.amazonaws.com/media/91/media/143646.pdf">https://evogov.s3.us-west-2.amazonaws.com/media/91/media/143646.pdf</a>
Town of Cutler Bay	DTPW	<a href="https://www.cutlerbay-fl.gov/publicworks/page/town-circulator-bus">https://www.cutlerbay-fl.gov/publicworks/page/town-circulator-bus</a>
City of Doral	Contractor	<a href="https://www.cityofdoral.com/all-departments/public-works/doral-trolley/">https://www.cityofdoral.com/all-departments/public-works/doral-trolley/</a>
Village of El Portal	N/A	
City of Florida City	N/A	
Town of Golden Beach	N/A	
City of Hialeah	Contractor	<a href="https://www.hialeahfl.gov/269/Transit">https://www.hialeahfl.gov/269/Transit</a>
City of Hialeah Gardens	ILA with Hialeah	<a href="http://cityofhialeahgardens.com/cohg2/index.php?option=com_content&amp;view=article&amp;id=63&amp;Itemid=1">http://cityofhialeahgardens.com/cohg2/index.php?option=com_content&amp;view=article&amp;id=63&amp;Itemid=1</a>
City of Homestead	Contractor	<a href="http://www.cityofhomestead.com/index.aspx?NID=374">http://www.cityofhomestead.com/index.aspx?NID=374</a>
Village of Indian Creek	N/A	
Village of Key Biscayne	Contractor	<a href="http://keybiscayne.fl.gov/index.php?submenu=depts&amp;src=gendocs&amp;ref=FreeBee_OnDemandShuttleService&amp;category=About">http://keybiscayne.fl.gov/index.php?submenu=depts&amp;src=gendocs&amp;ref=FreeBee_OnDemandShuttleService&amp;category=About</a>
Town of Medley	Municipality	<a href="http://www.townofmedley.com/">http://www.townofmedley.com/</a>
City of Miami	Contractor	<a href="http://www.miamigov.com/trolley/">http://www.miamigov.com/trolley/</a>
City of Miami Beach	DTPW	<a href="http://web.miamibeachfl.gov/transportation/default.aspx?id=80881">http://web.miamibeachfl.gov/transportation/default.aspx?id=80881</a>
City of Miami Gardens	Contractor	<a href="https://www.miamigardens-fl.gov/233/Miami-Gardens-Express">https://www.miamigardens-fl.gov/233/Miami-Gardens-Express</a>
Town of Miami Lakes	Contractor	<a href="http://miamilakes-fl.gov/index.php?option=com_content&amp;view=article&amp;id=65&amp;Itemid=410">http://miamilakes-fl.gov/index.php?option=com_content&amp;view=article&amp;id=65&amp;Itemid=410</a>
Village of Miami Shores	Contractor	<a href="https://moovitapp.com/index/en/public-transit-line-MSHES-T-Miami-FL-742-8797-476600-0">https://moovitapp.com/index/en/public-transit-line-MSHES-T-Miami-FL-742-8797-476600-0</a>
City of Miami Springs	Contractor	<a href="https://www.miamisprings-fl.gov/community/new-shuttle-bus-map-route-timetable">https://www.miamisprings-fl.gov/community/new-shuttle-bus-map-route-timetable</a>
City of North Bay Village	Municipality	<a href="https://moovitapp.com/index/41/public-transit-resources/line/V/742/49454/MBT-City-Of-North-Bay-Village-Mini-Bus.pdf">https://moovitapp.com/index/41/public-transit-resources/line/V/742/49454/MBT-City-Of-North-Bay-Village-Mini-Bus.pdf</a>



## Municipal Transit Services

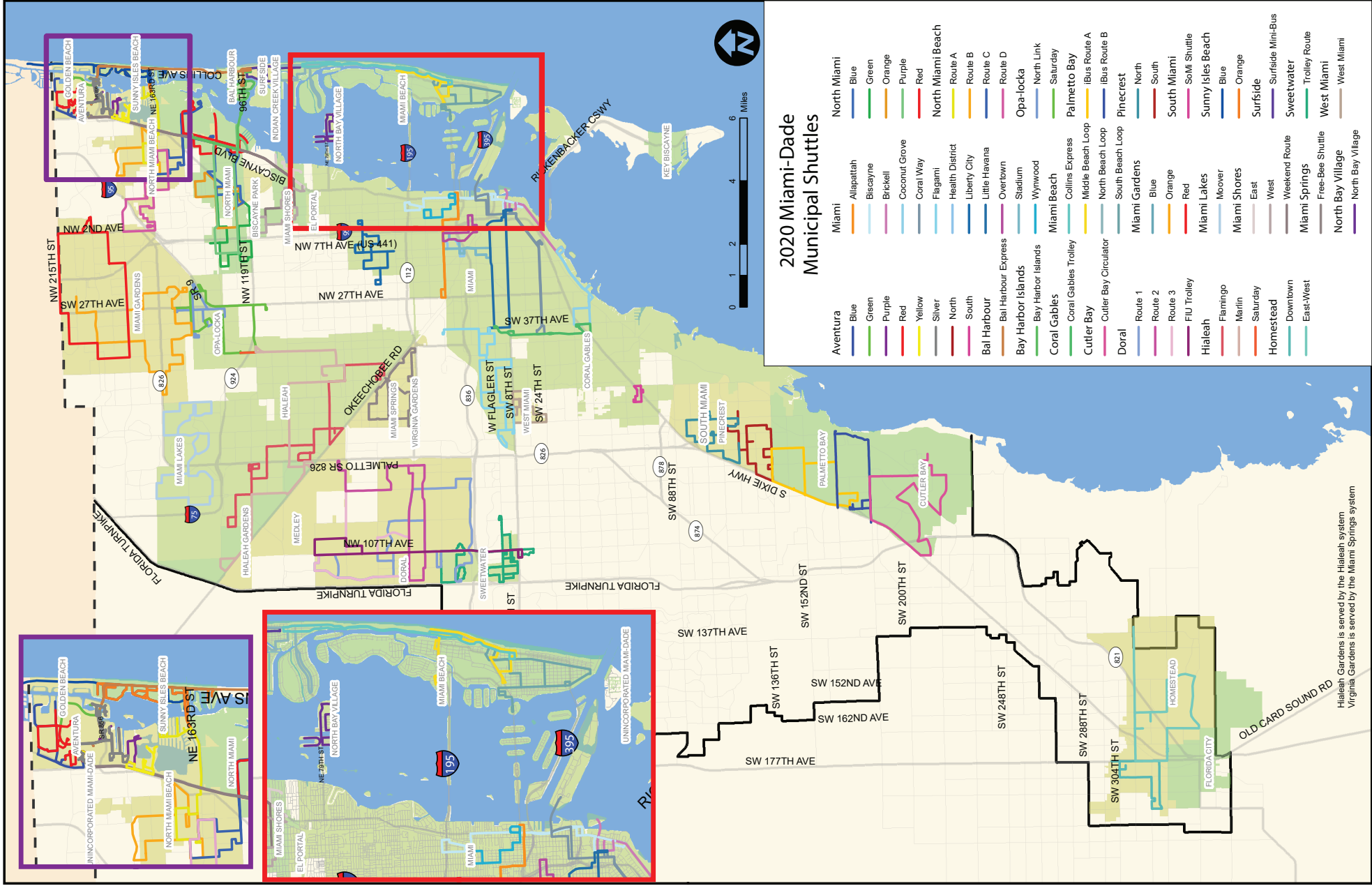
Municipality	Service Operator	Website Address
City of North Miami	Contractor	<a href="https://www.northmiamifl.gov/285/NoMi-Express-Free-Bus">https://www.northmiamifl.gov/285/NoMi-Express-Free-Bus</a>
City of North Miami Beach	Municipality	<a href="https://www.citynmb.com/402/NMB-Line">https://www.citynmb.com/402/NMB-Line</a>
City of Opa Locka	South Florida Regional Transportation Authority (SFRTA)	<a href="http://opalockafl.gov/index.aspx?nid=239">http://opalockafl.gov/index.aspx?nid=239</a>
Village of Palmetto Bay	Municipality	<a href="http://www.palmettobay-fl.gov/content/ibus-bus-circulator-service#Bus_Schedule_and_Route_Map">http://www.palmettobay-fl.gov/content/ibus-bus-circulator-service#Bus_Schedule_and_Route_Map</a>
Village of Pinecrest	Contractor	<a href="http://www.pinecrest-fl.gov/index.aspx?page=503">http://www.pinecrest-fl.gov/index.aspx?page=503</a>
City of South Miami	Contractor	<a href="https://www.southmiamifl.gov/DocumentCenter/View/3549/Bus-Shuttle-Flyer---Updated-12-11-2018?bidId=">https://www.southmiamifl.gov/DocumentCenter/View/3549/Bus-Shuttle-Flyer---Updated-12-11-2018?bidId=</a>
City of Sunny Isles Beach	Municipality	<a href="https://www.sibfl.net/wp-content/uploads/2019/05/SIB-Shuttle-Bus-Brochure-2019-WCAG-ACCESSIBLE-WEB.pdf">https://www.sibfl.net/wp-content/uploads/2019/05/SIB-Shuttle-Bus-Brochure-2019-WCAG-ACCESSIBLE-WEB.pdf</a>
Town of Surfside	Contractor	<a href="https://www.townofsurfsidefl.gov/docs/default-source/default-document-library/resident-documents/shuttle-info.pdf?sfvrsn=e5654494_2">https://www.townofsurfsidefl.gov/docs/default-source/default-document-library/resident-documents/shuttle-info.pdf?sfvrsn=e5654494_2</a>
City of Sweetwater	Municipality	<a href="https://cityofsweetwater.fl.gov/transit-schedule/">https://cityofsweetwater.fl.gov/transit-schedule/</a>
Village of Virginia Gardens	ILA with Miami Springs	<a href="http://www.virginiagardens-fl.gov/">http://www.virginiagardens-fl.gov/</a>
City of West Miami	Municipality	<a href="http://cityofwestmiamifl.com/index.asp?SEC=C9863CB6-1E5C-4866-8827-ED8E82058ABC&amp;Type=B_BASIC">http://cityofwestmiamifl.com/index.asp?SEC=C9863CB6-1E5C-4866-8827-ED8E82058ABC&amp;Type=B_BASIC</a>

Note: ILA = Interlocal Agreement

### Legend:

Total 34 municipalities

Existing municipal service	29
Future municipal service	0
No current or planned service	5



Hialeah Gardens is served by the Hialeah system  
Virginia Gardens is served by the Miami Springs system

# APPENDIX A.4





#### A.4 DTPW & MDT10Ahead Outreach Activities

## 2019 Golden Passport Outreach Schedule

	Date	Hours	Location	Address	Requested By	Staff Assigned
1	Friday, January 25, 2019	11am - 7pm	2019 Miami Fit Bit Marathon	318 NW 23rd Street, Miami, FL 33127	2019 Miami Fit Bit Marathon	Sonia Romero
2	Saturday, January 26, 2019	9am - 6pm	2019 Miami Fit Bit Marathon	318 NW 23rd Street, Miami, FL 33127	2019 Miami Fit Bit Marathon	Sonia Romero
3	Thursday, January 31, 2019	10am - 1pm	Village of Key Biscayne Parks and Recreation	10 Village Green Way Key Biscayne, FL 33149	Roxy Lohuis-Tejeda	Yolanda Guillen
4	Friday, February 1, 2019	10am - 12pm	SPCC Bring Your Kids to Work Day	111 NW 1st Street Miami, FL 33128	Sara Vallazza	Mike Boohit
5	Thursday, February 7, 2019	11am - 2 pm	2019 Transportation Safety Fair	111 NW 1st Street Miami, FL 33128	Paul Chance	Mike Boohit
6	Saturday, February 9, 2019	10am - 1pm	Town of Miami Lakes Health and Fitness Fair	Mary Collins Community Center 15151 NW 82 Ave	William Snchez	Lynn Manning
7	Wednesday, February 13, 2019	10am - 2pm	Deeco Gardens Apts. Health Fair	105 SE 12th Avenue Homestead, FL	Dotty Vazquez	Jillian de la Torre
8	Saturday, February 16, 2019	2pm - 6pm	Coconut Grove Arts Festival	McFarlane Road and Main Highway	Marketing	Lynn Manning
9	Sunday, February 17, 2019	9am - 2pm	Coconut Grove Arts Festival	McFarlane Road and Main Highway	Marketing	Dailyn Rivas
10	Monday, February 18, 2019	9am - 2pm	Coconut Grove Arts Festival	McFarlane Road and Main Highway	Marketing	Carmen Montoya
11	Monday, February 18, 2019	2pm - 6pm	Coconut Grove Arts Festival	McFarlane Road and Main Highway	Marketing	Anny Urena
12	Thursday, February 21, 2019	10am - 12pm	Leon Healthy Living (Kendall)	12515 SW 88 Street	Dotty Vasquez	Jillian de la Torre

## 2019 Golden Passport Outreach Schedule

	Date	Hours	Location	Address	Requested By	Staff Assigned
13	Friday, February 22, 2019	10am -1pm	De Hostos Senior Center	2902 NW 2nd Ave Miami, FL 33127	Dotty Vazquez	Jillian de la Torre
14	Wednesday, February 27, 2019	10am-1pm	South Dade YMCA	9355 SW 134 Street Miami, FL 33176	Leah Schillinger	Jillian de la Torre
15	Saturday, March 9, 2019	11am - 3pm	Miami Dade Police Department	South District Police Station 10800 SW 211th Street, Cutoler Bay Florida 33189	Officer Kimberly Thomas	Sonia Romero
16	Tuesday, March 12, 2019	12 noon	NARFE Miami-Dade Chapter	Bahama Breeze 12395 SW 88 Street Miami, FL 33186	Denise Duffy	Mike Boohit
17	Tuesday, April 2, 2019	10am -12pm	Leon Healthy Living Center	2283 West Flagler Miami,FL	Dotty Vasquez	Yolanda Guillen
18	Friday, April 5, 2019	10am -12pm	Leon Healthy Living Center	7950 NW 2 Street 4th Floor Miami, FL 33126	Dotty Vasquez	Jillian de la Torre
19	Friday, April 12, 2019	9am - 5 pm	Horse and Cattle Show	7900 SW 40th Street	Horse and Cattle Show	Sonia Romero
20	Friday, April 12, 2019	10am - 12pm	Leon Healthy Living Center	6450 West 21 Court Hialeah, FL 3316	Dotty Vasquez	Jillian de la Torre
21	Saturday, April 13, 2019	9am - 6pm	Horse and Cattle Show	7900 SW 40th Street	Horse and Cattle Show	Sonia Romero
22	Sunday, April 14, 2019	9am 6pm	Horse and Cattle Show	7900 SW 40th Street	Horse and Cattle Show	Lynn Manning
23	Thursday, April 18, 2019	10am -12pm	Leon Healthy Living Center	11540 SW 40th Street 2nd Floor Miami, FI 33165	Dotty Vasquez	Yolanda Guillen
24	Wednesday, April 24, 2019	12:15 - 2:15	Miami Springs Senior Center	343 Payne Drive, Prince Field Miami Springs, FL	Tami Key	Jillian de la Torre

## 2019 Golden Passport Outreach Schedule

	Date	Hours	Location	Address	Requested By	Staff Assigned
25	Thursday, April 25, 2019	10am - 12 noon	Leon Healthy Living Center	12515 SW 88 Street	Dotty Vasquez	Yolanda Guillen
26	Tuesday, April 30, 2019	10am - 12pm	Leon Healthy Living Center	590 East 25 Street, Hialeah, FL 33013	Dotty Vasquez	Yolanda Guillen
27	Wednesday, May 1, 2019	10am - 1pm	Mayor Initiative on Aging and te Miami Dade Library	101 W Flagler St Miami, FL 33130	Ana "Terl" Busse-Arvesu 305-375-5648	Sonia Romero
28	Friday, May 3, 2019	9:30 - 12:00	De Hostos Senior Center	2902 NW 2nd Ave Miami, FL 33127	Dotty Vasquez	Yolanda Guillen
29	Tuesday, May 21, 2019	10am - 12	Leon Healthy Living Center	2283 W. Flagler Street, Miami, FL	Dotty Vasquez	Yolanda Guillen
30	5/22/219	10am 12:30pm	VET Memorial Day Event	Miami Dade College - Wolfson Campus	Tony Chapman	Jillian de la Torre
31	Wednesday, May 22, 2019	10am - 2:00pm	Older American Awarness Resouce Fair	SPCC Lobby	Ana "Terl" Busse-Arvesu	Ann L/D
32	Tuesday, May 28, 2019	10am - 12pm	MBMG Wellness Center	7500 SW 8 Street	Dotty Vasquez	Jillian de la Torre
33	Thursday, May 30, 2019	10am -12pm	Leon Healthy Living Center	7950 NW 2 Street Miami, FL	Dotty Vasquez	Yolanda Guillen
34	Saturday, June 15, 2019	11:00 - 2:00 pm	Chinese Baptist Church of Miami	595 SW 124 Avenue, Miami, FL 33184	Winnie Tang	Jillian de la Torre
35	Thursday, June 20, 2019	10am -12pm	Leon Healthy Living Center	12515 SW 88 Street	Dotty Vasquez	Yolanda Guillen
36	Thursday, June 27, 2019	10am -12pm	De Hostos Senior Center	2902 NW 2nd Avenue	Dotty Vasquez	Yolanda Guillen



## 2019 Golden Passport Outreach Schedule

	Date	Hours	Location	Address	Requested By	Staff Assigned
37	Monday, July 1, 2019	11:00 -1:00	Florida Asian Services	North Miami Beach McDonald Senior Center 17051 NE 19th Avenue NMB,FL 33162	Winnie Tang 305-753-8791	Jillian de la Torre
38	Wednesday, July 24, 2019	1:00 - 5:00	Miami-Dade Community Action Agency	MLK Building 2525 NW 62 Street 2nd Floor Room 4 Miami, FI 33142	Stephanie Frederick	Sylvia Jones
39	Saturday, July 27, 2019	10am - 4pm	Commissioner Joe Martinez Health Fair and Safety Expo	Fair Expo Center Darwin Fuchs Pavilion 10901 SW 24 Street Miami, FL 33165	Office of Commissioner Joe Martinez	Sonia Romero/Lynn Manning
40	Friday, August 2, 2019	10AM -12PM	Leon Healthy Living Center	2283 W. Flagler Street	Dotty Vasquez	Yolanda Guillen
41	Saturday, August 10, 2019	9:00 - 12:00	Farm Share	11201 SW 24 St	Marti Bueso	Dailyn Rivas
42	Thursday, August 15, 2019	10:00 - 12:00	HLC Kendall	12515 SW 88 Street	Dotty Vasquez	Yolanda Guillen
43	Tuesday, August 20, 2019	11:00 - 1:00	Arcola Lakes Senior Center	8401 NW 14 Ave Miami, FL 33147	Barbie	Jillian de la Torre
44	Thursday, September 5, 2019	10am -12pm	EastRidge at Cutler Bay	19301 SW 87 Ave Cutler Bay, FL	Dotty Vazquez	Sonia Romero
45	Friday, September 13, 2019	10:00 -3:30	Veterans Outreach	4800 Palm Ave Hialeah, FL	Judith Ruiz	Jillian de la Torre
46	Saturday, September 14, 2019	10:00 - 2:00	Health & Resource Fair at Shrine of Our Lady of Charity	3609 South Miami Ave, Miami, FL 33133	Ana Busse	Sonia Romero/Lynn Manning
47	Wednesday, September 18, 2019	10am -12pm	Hamlet @ Walden Pond	20855 NW 9 Ct 33169	Brenda Davis	Jillian de la Torre
48	Friday, September 20, 2019	10am - 2pm	Healthy Aging Awareness Fair	653 SW 4 Street Homestead, FL 33030		Sonia Romero

## 2019 Golden Passport Outreach Schedule

	Date	Hours	Location	Address	Requested By	Staff Assigned
49	Wednesday, October 2, 2019	11:00am	City Of N Miami	12400 NE 8 Ave	Victor	Mike Boohit
50	Monday, October 7, 2019	10:30 AM	YMCA Allapattah	2370 NW 17 Ave	Orlando de la Mota	Jillian de la Torre
51	Thursday, October 10, 2019	10:00 - 12:00	Leon Medical	11501 SW 40 St	Dotty Vasquez	Yolanda Guillen
52	Friday, October 18, 2019	10am - 2pm	Parks & Rec Health and Resource Fair for Veterans and Seniors	Goulds Park 11350 SW 216 Street	Ana Busse-Arvesu	Sonia Romero
53	Thursday, October 24, 2019	10am -12pm	Leon Medical	2283 W. Flagler Street	Dotty Vasquez	Yolanda Guillen
54	Thursday, October 31, 2019	10:00 - 12:00	Leon Medical	12515 SW 88 St	Dotty Vasquez	Yolanda Guillen
55	Tuesday, November 5, 2019	10:00 - 12:00	Leon Healthy Living Center	7950 W. Flagler Street	Dotty Vasquez	Yolanda Guillen
56	Wednesday, November 6, 2019	10:00 -12:30	Miami Dade College Veteran's Day Event	Miami Dade Wolfson Campus 300 NE 2nd Ave	William Chapman	Jillian de la Torre
57	Saturday, November 16, 2019	10am - 2:30pm	Veteran Luncheon	US Coast Guard Airs Station 14750 NW 44th Ct, Opa-locka, FL 33054		Sonia Romero
58	Thursday, December 5, 2019	10:30 - 1:00	Hamlet @ Walden Pond	20855 NW 9 Ct	Brenda Davis	Jillian de la Torre

Stakeholders					
Agency	Contact Person	Title	Address	Telephone No.	Email Address
MD TPO	Paul Chance	Public Involvement Officer	Stephen P. Clark Center 111 NW 1st Street, Suite 920, Miami, Florida 33128-1916	305-375-1888	paul.chance@mdtpo.org
MDC Parks and Recreation	Mike Zimmerman	Media Relations	Hickman Building 275 NW 2nd Street, Miami, FL 33128	305-755-7800	Mikezi007@aol.com
MD Chamber of Commerce	Jessica Garrett Modkins	Marketing and Public Relations committee chair	100 South Biscayne Blvd, STE 300, Miami, Florida 33131	305-751-8648	<a href="mailto:eknowles@m-dcc.org">eknowles@m-dcc.org</a>
MD Chamber of Commerce	G. Eric Knowles	President and CEO	100 South Biscayne Blvd, STE 300, Miami, Florida 33131	305-751-8648	eknowles@m-dcc.org
Career Source SF	Olivia Davidson	Communications Manager	780 Fisherman St #110, Opa-Locka, FL 33054	305-594-7615	odavidson@careersourceflorida.com
Beacon Council	Maria Teresa Garcia	Communications Manager	80 SW 8th St Unit 2400, Miami, FL 33130	305-579-1341	Tgarcia@beaconcouncil.com
Citizens Independent Transportation Trust	Karla Damian	Community Engagement Manager	Stephen P. Clark Government Center 111 NW 1st St #1010, Miami, FL 33128	305-375-1095	Karla.Damian@miamidade.gov
League of Cities	Mayor Claudia V. Cubillos	President	19 West Flagler St. Ste. 707, Miami, FL	305-416-4155	mdclc@bellsouth.net
Transit Alliance	Marcia Duprat	Campaign Manager	169 E Flagler Street, Miami, Florida	786-508-2944	marcia@transitalliance.miami
Miami Riders Alliance	Kevin Amezaga	Executive Director	2103 Coral Way FL 2, Miami, FL 33145	305-791-5973	kevin@riders.miami
MD Airport	Greg Chin	Communications and Digital Marketing Director	Miami International Airport PO BOX 025504, Miami, FL 33102-5504	305-876-7017	gchin@miami-airport.com
University of Miami	Maite Alvarez	Associate Vice President, Local Government Relations	6200 San Amaro Drive, Suite 330, Coral Gables, FL 33146	305-284-6282	malvarez1@miami.edu
University of Miami	Sarah N Artecona	Associate Vice President, Community Engagement	6200 San Amaro Drive, Suite 330, Coral Gables, FL 33146	305-284-5490	sartecona@miami.edu
Florida International University	Robert Grillo	Vice President, Information Technology; Chief Information Officer	11200 SW 8th Street, Miami, Florida 33199	305-348-2738	robert.grillo@fiu.edu
Florida International University	David Roberts	Senior Project Manager, Office of Digital Communication	11200 SW 8th Street, Miami, Florida 33199	305-348-4300	David.Roberts1@fiu.edu
Florida Memorial University	Patrick J. Doliny	Chief Information Officer/Director of IMT	15800 N.W. 42nd Ave, Miami Gardens, FL 33054	305-626-3799	cio@fmuniv.edu
Barry University	SCOTT F. SMITH, PH.D.	Vice President for Mission and Student Engagement	11300 NE 2nd Ave, Miami Shores, FL 33161	305-899-3085	sfsmith@barry.edu
Florida Atlantic University	Aloha Balza Montes	Coordinator, Community Engagement	Kenneth R. Williams Administration, Boca Raton, FL 33431	561-297-1464	abalza1@fau.edu
Miami-Dade College	Juan Mendieta	MDC Director of Communications	Office of Communications 300 N.E. Second Ave. Miami, FL 33132-2296.	305-237-7611	jmendiet@mdc.edu
Downtown Development Authority	Elena Bondarenko, Esq., LL.M.	Government Relations	200 S. Biscayne Blvd. Ste 2929 Miami, FL 33131	305-579-6675	info@miamidda.com
Downtown Development Authority	Kim Hills	Sr. Manager, Communications	200 S. Biscayne Blvd. Ste 2929 Miami, FL 33131	305-579-6675	kim.hills@miamidda.com
MDX	Mario Diaz	Public Information Manager	3790 NW 21st St, Miami, FL 33142	305-637-3277 ext. 2140	madiaz@mdxway.com
FDOT D6	Tish Burgher	Communications Manager	1000 NW 111th Ave, Miami, FL 33172	305-470-5277	Tish.Burgher@dot.state.fl.us
South Florida Commuter Services			5450 NW 33rd Ave #109, Fort Lauderdale, FL 33309	1800-234-7433	info@1800234ride.com
SFRTA	Victor Garcia	Public Information Officer	801 NW 33 Street, Pompano Beach, FL 33064	954-788-7925	Garciav@sfrrta.fl.gov
Urban Health Solutions/Urban Health Partnerships	Anamarie Melo	Co-founder	425 NE 22 St, Suite 401, Miami, FL 33137	786-224-2309	info@urbanhs.com
Alliance for Aging	Max B. Rothman	President & CEO	760 NW 107 Ave., Suite 201, 214, Miami, FL 33172	305-670-6500, ext. 11224	rothmanm@allianceforaging.org
Miami Dade County	Inson Kim	Director of Communications	Stephen P. Clark Center 111 NW 1st Street, Miami, FL 33128	305-375-5527	ikim@miamidade.gov
Miami-Dade County Information Technology Department	Angel Petisco	Chief Information Officer/Director	5680 SW 87th Ave, Miami, FL 33173	305-596-8700	<a href="mailto:apa@miamidade.gov">apa@miamidade.gov</a>
OMNI/Midtown CRA	Jason Walker	Executive Director	Historic Firehouse #2, 2nd Floor 1401 N. Miami Ave., Miami FL 33136	305-679-6869	<a href="mailto:jwalker@miamigov.com">jwalker@miamigov.com</a>
Southeast Overtown/Park West CRA	Cornelius Shiver, Esq.	Executive Director	819 NW 2nd Avenue. 3rd Floor Miami, Florida, 33136	305-679-6800	<a href="mailto:cra@miamigov.com">cra@miamigov.com</a>
The Underline	Meg Daly	Founder	1172 South Dixie Highway, #559. Coral Gables, Florida 33146		<a href="mailto:info@theunderline.org">info@theunderline.org</a>

Miami-Dade County Municipalities					
Agency	Contact Person	Title	Address	Telephone No.	Email Address
City of Miami	Michael A Sarasti.	Chief Information Officer/Director of IT	444 SW 2nd Ave. Miami, FL, 33130	305-416-1018	<a href="mailto:MSarasti@miamigov.com">MSarasti@miamigov.com</a>
City of Miami Beach	Tonya Daniels	Director, Marketing and Communication	1700 Convention Center Drive, Miami Beach, Florida 33139	305-673-7575	<a href="mailto:tonvadaniels@miamibeachfl.gov">tonvadaniels@miamibeachfl.gov</a>
City of Coral Gables	Maria Rosa Higgins Fallon	Public Affairs Manager	2800 S.W. 72nd Avenue. Miami, FL 33155	305-460-5205	<a href="mailto:mfallon@coralgables.com">mfallon@coralgables.com</a>
City of Hialeah	Jorge Delanuez	Public Information Officer	5555 E 8th Avenue, Hialeah, FL 33013,	305-953-5300	<a href="mailto:jdelanuez@hialeahfl.gov">jdelanuez@hialeahfl.gov</a>
City of Miami Springs	Daniel Gonzalez	Media Relations Manager	201 Westward Drive   Miami Springs, FL 33166	305-805-5010	<a href="mailto:GonzalezD@miamisprings-fl.gov">GonzalezD@miamisprings-fl.gov</a>
City of North Miami	Eunicia Baker, MPA	Senior Public Information Officer	776 NE 125 Street, North Miami, FL 33161	305-895-9888 ext. 12105	<a href="mailto:ebaker@NorthMiamiFL.gov">ebaker@NorthMiamiFL.gov</a>
City of North Miami Beach	Jafeth Baez	Media Relations Director	17011 NE 19th Avenue, N Miami Beach, FL 33162	305-622-9283	<a href="mailto:jafeth.baez@citynmb.com">jafeth.baez@citynmb.com</a>
City of Opa-Locka	Nelson Rodriguez	Media Relations Manager	780 Fisherman Street. 4th Floor, Opa-Locka, FL 33054	305-953-2945 ext. 1800	<a href="mailto:nrodriguez@opalockafl.gov">nrodriguez@opalockafl.gov</a>
City of South Miami	Steven Alexander	City Manager/Public Relations	6130 Sunset Drive, South Miami, FL 33143	305-668-2510	<a href="mailto:salexander@southmiamifl.gov">salexander@southmiamifl.gov</a>
City of Homestead	Zackery Good	Media Director	City Hall. 100 Civic Court. Homestead, FL 33030	305-224-4400	<a href="mailto:zgood@cityofhomestead.com">zgood@cityofhomestead.com</a>
Village of Miami Shores	Jessica Fleitas	Communications Specialist	10050 N.E. 2nd Avenue, Miami Shores, Florida 33138	305-795-2210	<a href="mailto:fleitasi@msvfl.gov">fleitasi@msvfl.gov</a>
Village of Bal Harbour	Trip Barrett	Chief Marketing Officer/Director of Tourism	655 - 96th Street, Bal Harbour, Florida 33154	305-866-8435	<a href="mailto:tbarrett@balharbourfl.gov">tbarrett@balharbourfl.gov</a>
Town of Bay Harbor Islands	Bridget Anne Morin	Social Media & Pass Plan Coordinator	9665 Bay Harbor Terrace, Bay Harbor Islands, FL 33154	305-866-6241	<a href="mailto:bmorin@bayharborislands-fl.gov">bmorin@bayharborislands-fl.gov</a>
Town of Surfside	Jose Felix	Director of IT	9293 Harding Avenue. Surfside, Florida	305-861-1302	<a href="mailto:jfelix@townofsurfsidefl.gov">jfelix@townofsurfsidefl.gov</a>
City of West Miami	Juan Pena	City Manager	901 SW 62 Avenue. Miami, FL 33144	305-266-1122	<a href="mailto:yolandaaguiar@cityofwestmiami.org">yolandaaguiar@cityofwestmiami.org</a>
Florida City	Cindy Laio	HR Director/Marketing	404 West Palm Drive, 2nd Floor Florida City, FL 33034	305-247-8221	<a href="mailto:com-dev@floridacityfl.gov">com-dev@floridacityfl.gov</a>
Village of Biscayne Park	Rosanne Prado	Marketing Director	893 NE 109th Street, Biscayne Park, FL 33161	305-899-8000	<a href="mailto:villageclub@biscayneparkfl.gov">villageclub@biscayneparkfl.gov</a>
Village of El Portal	Christia Alou	Village Manager	500 NE 87th Street, El Portal, FI 33138	305-795-7880	<a href="mailto:villagemanager@villageofelportal.org">villagemanager@villageofelportal.org</a>
Town of Golden Beach	Lisette Perez	Communications Manager	1 Golden Beach Drive. Golden Beach, FL 33160	305-932-0744	<a href="mailto:lperez@goldenbeach.us">lperez@goldenbeach.us</a>
Village of Pinecrest	Michelle Hammontree	Communications Manager	10800 Red Rd. Pinecrest, Florida. 33156	305-234-2121	<a href="mailto:mhammontree@pinecrest-fl.gov">mhammontree@pinecrest-fl.gov</a>
Village of Indian Creek	Marilane Lima	Village Manager	9080 Bay Drive. Indian Creek, FL 33154	305-865-4121	<a href="mailto:mlima@icvps.org">mlima@icvps.org</a>
Town of Medley	H Cabera	Public Works Director	10776 N.W. South River Drive, Medley, Florida 33178	305-889-1915 ext. 223	<a href="mailto:hcabrera@townofmedley.com">hcabrera@townofmedley.com</a>
City of North Bay Village	Ralph Rosado, PhD, AICP	Village Manager	1666 Kennedy Causeway, 3rd Floor North Bay Village, FL 33141	305-756-7171 ext. 24	<a href="mailto:RRosado@nbvillage.com">RRosado@nbvillage.com</a>
Village of Key Biscayne	Michael Fleming	Technology (IT) Administrator	88 West McIntyre Street, #320, Key Biscayne, FL 33149	305-365-8912	<a href="mailto:mffleming@keybiscayne.fl.gov">mffleming@keybiscayne.fl.gov</a>
City of Sweetwater	Daniela LLara	Communications	500 S.W. 109 Ave., Sweetwater, FL 33174	305-221-0411	<a href="mailto:pio@cityofsweetwater.fl.gov">pio@cityofsweetwater.fl.gov</a>
Village of Virginia Gardens	Maritza Fernandez	Village Clerk	6498 NW 38th Terrace, Virginia Gardens, FL 33166	305-871-6104	<a href="mailto:mfernandez@virginiagardens-fl.gov">mfernandez@virginiagardens-fl.gov</a>
City of Hialeah Gardens	Ada Morales	Public Works Director	10001 NW 87 Avenue, Hialeah Gardens, FL 33016	305-558-4114 ext. 217	<a href="mailto:amorales@cityofhialeahgardens.com">amorales@cityofhialeahgardens.com</a>
City of Aventura	Lanke, Karen J.	IT Director, CGCIO	19200 W Country Club Drive, Aventura, FL 33180	305-466-8939	<a href="mailto:klanke@cityofaventura.com">klanke@cityofaventura.com</a>
City of Sunny Isles Beach	Derrick Arias	Chief Information Officer	18070 Collins Avenue, Sunny Isles Beach, FL 33160	305-792-1709	<a href="mailto:darias@sibfl.net">darias@sibfl.net</a>
Town of Miami Lakes	Clarissell De Cardenas	Communications & Community Affairs & Public Information Officer	6601 Main Street, Miami Lakes, FL 33014	305-512-7133	<a href="mailto:decardenasc@miamilakes-fl.gov">decardenasc@miamilakes-fl.gov</a>
Village of Palmetto Bay	Hoolihan (Craig) Kelly	Public Information Officer	9705 E Hibiscus Street, Palmetto Bay, FL 33157	305-259-1239	<a href="mailto:khoolihan@palmettobay-fl.gov">khoolihan@palmettobay-fl.gov</a>
City of Miami Gardens	Tamara Wadley	Public Affairs Director	18605 NW 27th Avenue, Miami Gardens, FL 33056	305-622-8000	<a href="mailto:publicaffairs1@miamigardens-fl.gov">publicaffairs1@miamigardens-fl.gov</a>
City of Doral	Maggie Santos	Communications and Protocol Manager	8401 NW 53rd Terrace, Doral, FL 33166	305-593-6678	<a href="mailto:maggie.santos@cityofdoral.com">maggie.santos@cityofdoral.com</a>
Town of Cutler Bay	Desiree Ducasa	Public Information Officer	10720 Caribbean Blvd, Suite 105. Cutler Bay, FI 33189	305-234-4262 ext. 5508	<a href="mailto:dducasa@cutlerbay-fl.gov">dducasa@cutlerbay-fl.gov</a>



## Senior Citizens Contact

### Retirement Homes, 55+ Communities, Assisted Living facilities, Community Services

Richland Retirement Home 2 Inc	721 NW 13th Ave, Miami, FL 33125	(305) 261-2525	-
Senior Retirement Home Inc	3033 SW 6th St, Miami, FL 33135	(305) 541-4336	-
The Palace Suites Independent Living	11377 SW 84th St, Miami, FL 33173	(305) 270-7010	-
Epworth Village Retirement Community	5300 W 16th Ave, Hialeah, FL 33012	(305) 556-3500	-
Allegro - Dadeland	7400 SW 88th St, Miami, FL 33156	(786) 406-6989	Patty Davila pdavila@allegroliving.com
Vi at Aventura	19333 W Country Club Dr, Aventura, FL 33180	(888) 725-1251	Michael Davila <a href="mailto:aventura@viliving.com">aventura@viliving.com</a>
Bay Oaks Historic Retirement Residence	435 NE 34th St, Miami, FL 33137	(305) 573-4337	-
Metro South Senior Apartments	6101 Sunset Dr, South Miami, FL 33143	(305) 359-3080	-
Senior Retirement Home Inc	3033 SW 6th St, Miami, FL 33135	(305) 541-4336	-
The Sterling Aventura	2777 NE 183rd St, Aventura, FL 33160	(305) 918-0000	Marie Buchanan <a href="mailto:mbuchanan@thesterlingaventura.com">mbuchanan@thesterlingaventura.com</a>
East Ridge at Cutler Bay	19301 SW 87th Ave, Cutler Bay, FL 33157	(305) 256-3564	Desiree Sebastian dsebastian@errv.org
The Palace Gardens - Assisted Living Retirement Community	3100 Campbell Dr, Homestead, FL 33033	(305) 247-0446	Giulia Covella <a href="mailto:giulia@thepalaceusa.com">giulia@thepalaceusa.com</a>
Tuscany Cove Apartments	5900 NW 7th Ave, Miami, FL 33127	(305) 889-9912	Kevin taylor <a href="mailto:ttaylor@tpmpcmiami.net">ttaylor@tpmpcmiami.net</a>
St. Dominic Gardens	5849 NW 7th St, Miami, FL 33126	(305) 262-0962	Ruben perez Rperez2@chsfla.com
The Palace Renaissance & Royale	11355 SW 84th St, Miami, FL 33173	(305) 270-7000	-
Imperial Club - Retirement and Assisted Living	2751 NE 183rd St, Aventura, FL 33160	(305) 935-1801	Georgia Benz GBENZ@IMPERIAL-LIVING.COM
Maggie's Retirement Home	7930 SW 11th St, Miami, FL 33144	(305) 266-6762	-
Palmer House	1225 SW 107th Avenue Miami, FL 33174	(305) 221-9566	Michelle Torrealba, Property Manager <a href="mailto:mtorrealba@chsfla.com">mtorrealba@chsfla.com</a>
Archbishop Carroll Manor	3667 South Miami Avenue Miami, FL 33133	(305) 854-8953	-
Archbishop McCarthy Residence	13201 NW 28th Avenue. Opa-Locka, FL 33054	(305) 688-2700	Johanka Alonso, Property Manager
Catholic Housing Management	t 11410 North Kendall Drive Suite E-306 Miami, FL 33176	(305) 757-2824	-
Marian Towers	17505 N Bay Rd, Sunny Isles Beach, FL 33160	(305) 932-1300	Gisela Castro, Property Manager <a href="mailto:gcastro@chsfla.com">gcastro@chsfla.com</a>
St. Anne's Gardens	11800 Quail Roost Drive Miami, FL 33177	(305) 234-1994	Luisa Urea, Property Manager <a href="mailto:lurea@chsfla.com">lurea@chsfla.com</a>
St. Dominic Gardens	5849 NW 7th Street Miami, FL 33126	(305) 262-0962	Isabel Soto-Noriega, Property Manager <a href="mailto:inoriega@chsfla.com">inoriega@chsfla.com</a>
St. Mary Towers	7615 NW 2nd Avenue Miami, FL 33150	(305) 757-3190	Jasina Almanza (property manager) <a href="mailto:jalmanza@chsfla.com">jalmanza@chsfla.com</a> Mita tolynice (social service coordinator) <a href="mailto:mtolynice@chsfla.com">mtolynice@chsfla.com</a>
St. Monica Gardens	3425 NW 189th Street Miami Gardens, FL 33056	(305) 628-2500	Isabel Soto-Noriega, Property Manager <a href="mailto:inoriega@chsfla.com">inoriega@chsfla.com</a>
St. Vincent De Paul Gardens	10160 NW 19th Avenue Miami, FL 33147	(305) 693-1590	Joseph Mathieu (social service coordinator) <a href="mailto:jmathieu@chsfla.com">jmathieu@chsfla.com</a>
Stella Maris House	8638 Harding Avenue Miami Beach, FL 33141	(305) 865-6841	Johanka Alonso, Property Manager
The Palace at Coral Gables	1 Andalusia Ave, Coral Gables, FL 33134	(786) 441-8800	Josh Cabrerra

## Senior Citizens Contact

Colonial Assisted Living at Miami	1864 NW 175th St, Miami Gardens, FL 33056	(305) 624-4901	-
Four Freedoms House	3800 Collins Ave, Miami, FL 33140	(305) 673-8425	Estrella Pereda <a href="mailto:Epereda@MMSGROUP.COM">Epereda@MMSGROUP.COM</a>  info@prudentproperty.com
Dade County Elderly Services Division	490 NE 2nd Ave, Miami, FL 33132	(305) 372-7816	-
Coral Gables Nursing and Rehabilitation	7060 SW 8th St, Miami, FL 33144	(305) 261-1363	-
Calvinelle Adult Home A L F	1786 NW 47th Terrace, Miami, FL 33142	(305) 308-2728	Calvinelle Brown <a href="mailto:Calvinelle4@yahoo.com">Calvinelle4@yahoo.com</a>
Westview Pleasant Living Inc	2140 NW 126th St, Miami, FL 33167	(786) 517-2523	-
Hazel Cypen Tower	5200 NE 2nd Ave, Miami, FL 33137	(305) 762-3890	-
Norita Adult Family Care	11971 SW 118th St, Miami, FL 33186	(305) 479-5346	-
Morningside Manor	200 South Dr, Miami Springs, FL 33166	(786) 925-6021	Lisa Parra morningsidemanager@hotmail.com
Sylvias Senior Home	23025 SW 120th Ave, Miami, FL 33170	(305) 257-2880	Sylvia R srhome@aol.com
Oasis Home for the Elderly	33 W 26th St, Hialeah, FL 33010		-
Village Allapattah	2378 NW 17 Avenue, Miami, FL 33142	(844) 231-8820	-
Villa Patricia	7855 NE 2nd Avenue, Miami, FL 33138	(844) 781-4078	-
Village Carver II	495 NW 71 St, Miami, FL 33150	(844) 799-2065	-
Biscayne Court	5211 NW 17 Avenue, Miami, FL 33142	(844) 502-5813	-
Edison Gardens	651 NW 58th St, Miami, FL 33127	(786) 310-2458	-
Amber Garden Apartments	1320 NW 24 Street, Miami, FL 33142		Merna Sosa ambergardens@apmanagement.net
Griffing Senior Citizens Center	12220 Griffing Blvd, North Miami, FL 33161	(305) 893-3771	-
Fair Havens Center	201 Curtiss Pkwy, Miami Springs, FL 33166	(305) 887-1565	-
Crossroads Assisted Living/Adult Daycare Center,Inc.	7960 NW 181st St, Hialeah, FL 33015	(305) 316-9491	Manager does not have email
Our Dream Retirement Home	1640 Palm Ave, Hialeah, FL 33010	(305) 887-4141	Maria Reff sunbaymanor@gmail.com
Sun Bay Manor	8820 SW 148th St, Palmetto Bay, FL 33176	(305) 251-3080	Sam faleh samfaleh@thepalace.org
Homestead Manor	1330 NW 1st Ave, Homestead, FL 33030	(305) 248-0271	Ileana Patterson lily@thepalaces.com
The Palace Nursing and Rehabilitation Center	11215 SW 84th St, Miami, FL 33173	(305) 271-2225	Kristin Webb Kristin.webb@palmgarden.com
Palm Garden of Aventura	21251 E Dixie Hwy, Aventura, FL 33180	(305) 935-4827	Mansa Apirman msapirman@gmail.com
Dade County Community Action	701 NW 1st Ct, Miami, FL 33136	(786) 469-4600	wagnercreek@htgf.com
Regents Park at Aventura	18905 NE 25th Ave, Miami, FL 33180	(305) 932-6360	Lissy Reese Admin.brookwood@signaturehousecarellc.com
Perrine Community Action Center	17801 Homestead Ave, Miami, FL 33157	(305) 254-5804	newlife@ccadm.org
Housing Trust Group, LLC	3225 Aviation Ave 6th floor, Miami, FL 33133	(305) 860-8188	
Signature HealthCARE of Brookwood Gardens	1990 S Canal Dr, Homestead, FL 33035	(305) 246-1200	
New Life Family Center	3620 NW 1st Ave Miami, FL 33127	(305) 573-3333	newlife@ccadm.org
MDC Community Action and Human Services	701 NW 1st Court, Miami, FL 33136	786-469-4600	Lucia Davis-Raiford - Director

## Outreach Events

Task Name	Due Date	Description	Task Type
FIU Basketball Game	1/10/2019	Community Outreach - FIU Route 82	Special Events
PerknRide ft. Dunkin Donuts to celebrate MLK Day!	1/18/2019	Station Activation radio station onsite	Special Events
FIU Basketball Game	1/26/2019	Community Outreach - FIU Route 82	Special Events
State of the County Address	1/31/2019	Mayor press conference	Special Events
National Bring Your Daughters and Sons to Work Day	1/31/2019		Special Events
Glow in the Park	2/1/2019	Tropical Park event night time glow run	Special Events
2019 Transportation Fair	2/5/2019		Special Events
#PerknRide ft. Coconut Grove Art Festival, Pinecrest Bakery, & live radio station	2/14/2019	Station Activation radio station onsite	Special Events
FIU Basketball Game	2/16/2019	Community Outreach - FIU Route 82	Special Events
2019 Coconut Grove Arts Fest	2/16 - 18/2019	DTPW Activation	Special Events
2019 Bus Rodeo	2/23/2019	Location: Zoo Miami	Special Events
Safe Street Summit 2019	02/25 - 26/2019		Special Events
Bike to Work Day 2019	3/1/2019	Bike to Work Day event	Special Events
Calle Ocho Activation	3/10/2019		Special Events
Pop-up Parks Vizcaya	3/14/2019	March - May 2019	Special Events
Zoo Miami Vintage Bus Request	3/18/2019	Zoo request vintage bus - DTPW declined will participate in 2020 with more prep time	Special Events
Career Day at South Miami Heights Elementary - Promotional items	3/19/2019		Special Events
Motion at Dadeland Site Visit	3/25/2019	Site visit for ribbon cutting	Special Events
Link at Douglas site visit for Ground Breaking	3/25/2019	Link at Douglas site visit for Ground Breaking	Special Events
Pop up Parks Station Activation -Ultra	3/29/2019	Station Activation at Vizcaya	Special Events
FIU Picnic Day event	4/13/2019		Special Events
Groundbreaking day LINK	4/15/2019	Ground breaking for LINK at Douglas	Special Events
Pop-Up Park - Earth Day Activation	4/17/2019	Station Activation at Vizcaya	Special Events

## Outreach Events

Task Name	Due Date	Description	Task Type
Wynwood Stories - VIP Tour	4/17/2019	Immersive theater experience. Transit Loves the Arts bus on site. VIP Tour Night	Special Events
Earth Day / West Kendall Baptist Hospital	4/22/2019	West Kendall Transit terminal Station Activation	Special Events
National Salute to America's Heroes Media Day at Opa-locka Executive Airport	5/20/2019	Assist with gathering information for the National Salute to America's Heroes Media Day at Opa-locka Executive Airport	Special Events
National Salute to America's Heroes / Friday, May 24th Kick-Off	5/22/2019	Coordinate operator information Coordinate media staff support	Special Events
Dominos Pizza Pothole event	5/24/2019		Special Events
National Salute to America's Heroes	5/24/2019		Special Events
Earlington Heights Pop-up Park Installation	5/28/2019	Station Activation May - July	Special Events
Coordinate - MDT 10 Ahead at GMCC Conference	5/29/2019	Drop off MDT 10 Ahead surveys	Special Events
Quiet Zone press conference	6/10/2019	Quiet Zone press conference - Request the Mayor's availability	Special Events
Commissioner Monestime's Back to School Community Festival	6/24/2019		Special Events
Commissioner Joe A. Martinez Health and Safety Expo July 27th, 2019	7/27/2019	Commissioner Joe A. Martinez Health and Safety Expo July 27th, 2019	Special Events
PerkNRide - Uber Pilot	7/30/2019	Station Activation radio station onsite	Special Events
PerkNRide - Uber Pilot	7/31/2019	Station Activation radio station onsite	Special Events
PerkNRide - Uber Pilot	7/31/2019	Station Activation radio station onsite	Special Events
Carlos Oliva Way Street Designation	8/16/2019		Special Events
Pop-up Park Hialeah	9/17/2019	Station Activation	Special Events
EASY Card Services Marketing Support - Corporate Discount Program.	9/4/2019	100 luggage tags Table Cloth Table Topper Rack card holders Corporate Discount Program - annual wellness fair	Special Events
Tamiami Canal Bridge Ribbon Cutting Coordination	9/30/2019	Tamiami Canal Bridge Replacement Project ribbon cutting coordination	Special Events



## Outreach Events

Task Name	Due Date	Description	Task Type
PerknRide ft. HistoryMiami Museum	10/2/2019	PerknRide ft. HistoryMiami Museum With Radio Remote 7 a.m. to 9 a.m.	Special Events
Turkey Give-a-way	10/24/2019		Special Events
MSABC Walk at Marlins Park	10/26/2019	DTPW Activation	Special Events
Outfront - Women's Fund Station Dom Viewing	11/6/2019	Pop-up press Conference	Special Events
Bike305 with Commissioner Heyman	11/7/2019	Bike305 with Commissioner Heyman	Special Events
Invitation to South Dade Sr. High School's Career Day 2019 and Homestead High School - Marketing Request	11/12/2019		Special Events
Hialeah Pop Up Park Activation	11/19/2019	Station Activation radio station onsite	
Bus Stop Sign - David Anasagasti Bus Painting Event	11/20/2019		Special Events
Miami Book Fair Activation	11/21 - 24/2019	Miami Book Fair Activation Bus installation Parks installation Children's Trust event	Special Events
11/21 Underline Pop-Up	11/21/2019	email underline staff - Sam to request information about sign install and event information	Special Events
Bayfront Village	12/02 - 20/2019	DTPW Activation	Special Events
Miami Basel - DTPW installation	12/5/2019	Miami Basel - DTPW installation	Special Events
GO Miami-Dade App Testing Event	12/12/2019	GO Miami-Dade App Testing Event at Bayfront Village	Special Events
GO Miami-Dade App Testing Event	12/16/2019	GO Miami-Dade App Testing Event at SPCC	Special Events
Winter Wellness Extravaganza	12/18/2019	December 18, 2019 - Winter Wellness Extravaganza - DTPW's Portion of the SPCC Lobby	Special Events
Public Transit Day - Meeting with Tania Valenzuela	12/19/2019	Public Transit Day 2019	Special Events



**Transportation Trust** @GoCITT · Jun 11

South Florida commuters: @GoMiamiDade wants to hear from you! Provide your input to help map out the Department's ten-year Transit Development Plan. Find out more & participate in the #MDT10Ahead survey here: [bit.ly/MDT10Ahead2020](http://bit.ly/MDT10Ahead2020).



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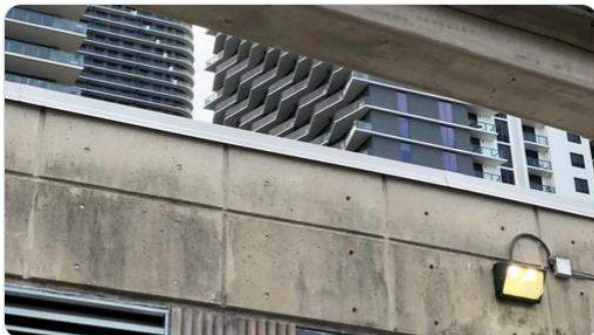
**Miami-Dade DTPW** @GoMiamiDade · May 27

Each year, we collect feedback from our transit riders to inform our 10 year development plan. The #MDT10Ahead survey is now live! We encourage you to take the survey & let us know about riding habits before #COVID19 & thoughts for the future. Survey here: [bit.ly/MDT10Ahead2020](http://bit.ly/MDT10Ahead2020)



**The Underline** @theunderlinemia · Jun 12

South Florida commuters, @GoMiamiDade wants to hear from you! Your input will help map out the department's ten year Transit Development Plan. Find out more and participate in the #MDT10Ahead survey here: [bit.ly/MDT10Ahead2020](http://bit.ly/MDT10Ahead2020). For more info email MDT10Ahead@miamidade.gov.



3 7



**Miami-Dade DTPW** @GoMiamiDade · May 30

South Florida commuters, we want to hear from you! Your input will help map out the department's strategic vision for the next ten years, the Transit Development Plan. Find out more and participate in the annual #MDT10Ahead survey by visiting:



MDT10Ahead  
is a ten-year strategic vision for Miami-Dade  
Department of Transportation and Public Works to ...  
[miamidade.gov](http://miamidade.gov)

Posts



**Miami-Dade County Department of Transportation and Public Works**  
Yesterday at 8:48 AM

Every year, we launch our #MDT10Ahead survey asking you, our riders, to provide feedback that will help inform our ten-year Transit Development Plan. This strategic vision helps the Department operate and grow a clean, safe, convenient, and reliable transit system. In addition, the results of this survey will allow us to evaluate our existing system while identifying existing and future service improvements. We will be collecting responses to our online survey from now through July 31, 2020. Learn more by visiting our website. // Each year we launch our #MDT10Ahead survey to ask you, our users, to send us their opinions in order to keep the Public Transportation Development Plan informed over the next ten years. This strategic vision helps the department manage and develop a clean, safe, comfortable and reliable public transport system. Similarly, the results of this survey will help us evaluate our current system while identifying where we should improve the current and future service. From now on, until July 31, 2020, we will be collecting answers to our online survey. For more information, visit our website: <https://www.miamidade.gov/global/transportation/mdt-ahead.page>  
Translated

Every year, we launch our #MDT10Ahead survey asking you, our riders, to provide feedback that will help inform our ten-year Transit Development Plan. This strategic vision helps the Department operate and grow a clean, safe, convenient, and reliable transit system. In addition, the results of this survey will allow us to evaluate our existing system while identifying existing and future service improvements. We will be collecting responses to our online survey from now through July 31, 2020. Learn more by visiting our website. // Each year we launch our #MDT10Ahead survey to ask you, our users, to send us their opinions in order to keep the Public Transportation Development Plan informed over the next ten years. This strategic vision helps the department manage and develop a clean, safe, comfortable and reliable public transport system. Similarly, the results of this survey will help us evaluate our current system while identifying where we should improve the current and future service. From now on, until July 31, 2020, we will be collecting answers to our online survey. For more information, visit our website: <https://www.miamidade.gov/global/transportation/mdt-ahead.page>  
Translated



20 5 Comments 5 Shares



Miami-Dade County  
Department of  
Transportation and  
Public Works  
@GoMiamiDade

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**Miami-Dade County Department of Transportation and Public Works**  
June 23 at 12:11 PM

The annual #MDT10Ahead survey is now live and we're encouraging riders to participate and let us know about your riding habits before #COVID19. Your input helps us map out our strategic vision for the next ten years. For more info, visit: <http://bit.ly/MDT10Ahead2020>



**The Underline** @theunderlinemia · 18h

South Florida commuters, @GoMiamiDade wants to hear from you! Your input will help map out the department's ten year Transit Development Plan. Find out more and participate in the #MDT10Ahead survey here: [bit.ly/MDT10Ahead2020](http://bit.ly/MDT10Ahead2020). For more info email MDT10Ahead@miamidade.gov.



10 15





## Miami-Dade Transit Survey

The Miami-Dade Public Transit System Wants Your Input To Determine Our Next Improvements

Miami-Dade Public Transit



## We Want Your Opinion



What Moves Should The Transit System Take To Make Your Move Through Miami-Dade Smoother?



## Miami-Dade Transit Survey

What Moves Should The Transit System Take To Make Your Move Through Miami-Dade Smoother?





**POLICE**

**Miami Leaders Speak of Outside Agitators and Out-of-Town Protesters on Fox News**



**POLICE**

**Photographer Captures Black Fort Lauderdale Cop Calling Out White Colleague for...**



**POLICE**

**George Floyd Protest Organizers in Miami Helped Deescalate Sunday's Crowd**

**TRENDING POLICE**

► **Trump's Minneapolis Tweet Is an Echo of Miami's Racist Past**  
MAY 29 BY ALEXI C. CARDONA

► **Protests Against George Floyd's Killing Planned in Miami and Broward**  
MAY 29 BY ALEXI C. CARDONA

► **Paraplegic Miami Inmate With COVID-19 Denied Release**  
MAY 20 BY ATENA SHERRY

► **Officer Who Cuffed UM Doctor Has History of Complaints**  
MAY 15 BY JOSHUA CEBALLOS

► **George Floyd Protest in Miami Erupts Into Chaos**  
MAY 30 BY MULTIPLE AUTHORS

► **"We Might Be Next": After Miami Jail Death, Infected Inmates Live in Fear**  
JUNE 1 BY JESSICA LIPSCOMB



**RATE YOUR OVERALL TRANSIT EXPERIENCE**

[Take the Transit Development Plan Survey Now](#)

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**Reopening? Miami's Joe Carollo Says No**

**Busy Barbershop**

**Ocean Drive to Allow Restaurants to Expand Their...**

**TRENDING POLITICS**

► **No, Marco Rubio, Coronavirus Does Not Spark Joy for "Our Media"**  
MARCH 30 BY ALEXI C. CARDONA

► **Miami Beach City Manager Offers Preliminary Recovery Plan to Reopen Restaurants**  
APRIL 25 BY LAINE DOSS

► **Developers Back Giménez for Congress While He Keeps Construction on Track**  
MAY 8 BY JOSHUA CEBALLOS

► **Lawsuit Says Florida Makes It Needlessly Hard for Many People to Vote**  
APRIL 30 BY JOSHUA CEBALLOS

► **Florida Politicians Still Don't Understand How Gloves Work**  
APRIL 12 BY JESSICA LIPSCOMB

► **Miami-Dade Leaders Think Cuba Is Partly to Blame for Coronavirus Spread**  
APRIL 10 BY ALEXI C. CARDONA

**LATEST POLICE**



**POLICE**

**Instagram Account Spotlights South Florida Victims of Police Brutality**



**POLICE**

**Uncle Luke: A Seven-Point Plan to Reform Police Departments**



**DO YOU FEEL SECURITY SYSTEMS ON MIAMI-DADE TRANSIT SERVICES ARE ADEQUATE**



# What is #MDT10Ahead?

Miami-Dade County's Department of Transportation and Public Works' (DTPW) Transit Development Plan (TDP) is a ten-year strategic vision that helps the Miami-Dade Transit (MDT) operate and grow a clean, safe, convenient, and reliable transit system. This brief survey uses your input to influence our plans looking forward to the next decade.

## What this survey does:

The TDP evaluates DTPW's existing transit system, identifies existing and future service improvements as well as capital investments, and in the end it presents a financial plan based on available funding.

Fill out the online survey at:  
<https://bit.ly/MDT10Ahead>

Use #MDT10Ahead to join the conversation.

Follow us on  
Facebook Twitter Instagram  
@GoMiamiDade





Clicks ▾

20.8K

Impressions ▾

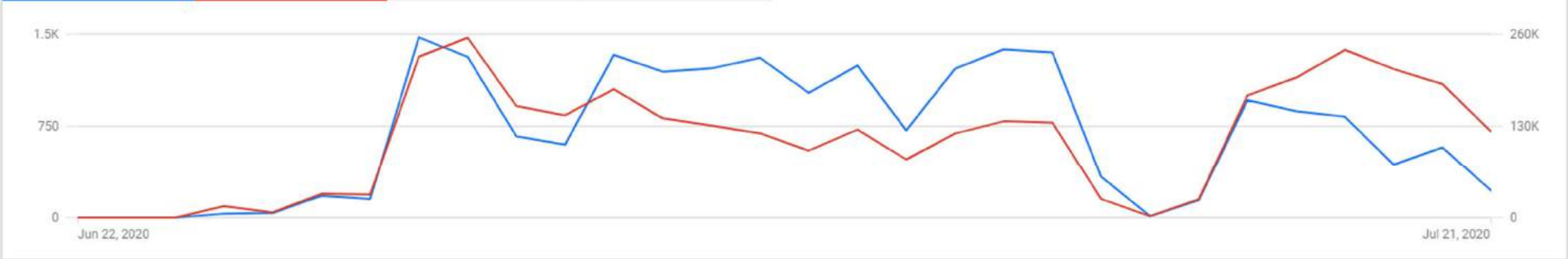
3.34M

Avg. CPC

\$0.17

Cost

\$3.6K



Biggest changes

Last 30 days compared to the prior 30 days ⓘ

MD: Display (Google ... Public Transit CA		Cost ▾	⋮
MD: Display (Google ... Bus CA			
MD: Display (Google ... Train CA			
MD: Display (Google ... Mobile CI			
MD: Display (Google ... Homepage CI			

Page 1 of 2 ^ ▾

Campaigns

	Cost ▾	Clicks ▾	CTR ▾
MD: Display (Google Build)	\$3,596.00	20,842	0.62%
Transit Survey: Remarketing (Google...)	\$0.00	0	0.00%


ALL CAMPAIGNS >

Page 1 of 1 ^ ▾

Display ads

Sort by: Impressions ▾ ⋮

Public Transit CA



We Want Your Opinion  
The Miami-Dade Public Transit System Wants Your Input To Determine Our Next Improvements

Ad	Impressions	Clicks ▾	CTR ▾
Enabled	1,104,166	6,505	0.59%

ALL DISPLAY ADS >

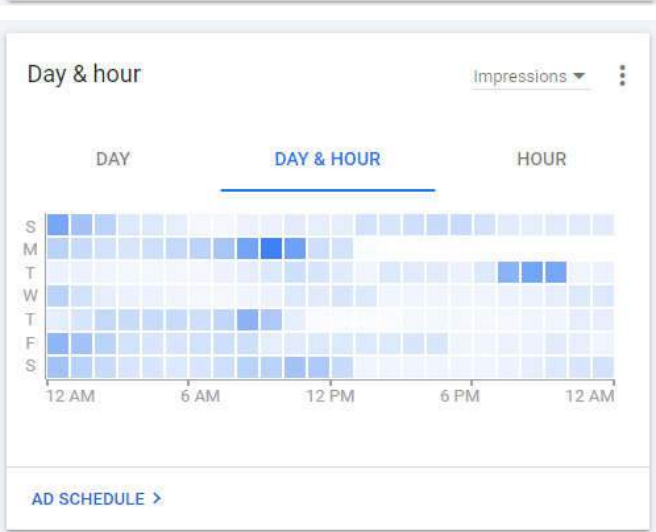
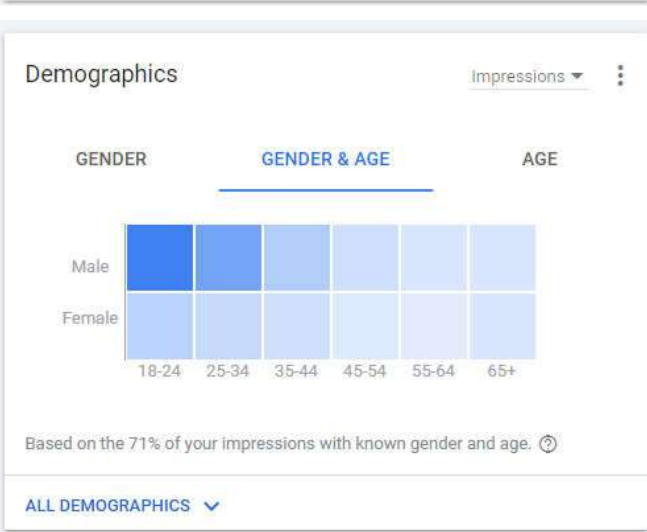
< 1 of 8 >

Devices

Mobile phones Tablets Computers TV screens

Cost ▾	
Impressions ▾	
Clicks ▾	

DEVICES >



# Miami New Times Digital Adverts Metrics

BEGIN DATE – END DATE		BANNER SIZES	IMPRESSIONS BOUGHT	IMPRESSIONS BY BANNER SIZES	CLICKS BY BANNERS SIZES	CTR %
2020-06-25	2020-07-23	320X50 (Mobile)		11,160	3	
2020-06-25	2020-07-23	300x250		5,012	16	
2020-06-25	2020-07-23	728x90		2,424	24	
2020-06-25	2020-07-23	468x60		972	0	
2020-06-25	2020-07-23	300x600		423	10	
2020-06-25	2020-07-23	970x250		292	5	
			80,000	20,283	28	0.29%

BEGIN DATE – END DATE		BANNER SIZES	IMPRESSIONS BOUGHT	IMPRESSIONS BY BANNER SIZES	CLICKS BY BANNERS SIZES	CTR %
2020-06-25	2020-07-23	320X50 (Mobile)		20,070	13	
2020-06-25	2020-07-23	300x250		8,949	25	
2020-06-25	2020-07-23	728x90		3,235	49	
2020-06-25	2020-07-23	468x60		1,543	0	
2020-06-25	2020-07-23	300x600		494	12	
2020-06-25	2020-07-23	970x250		314	6	
			80,000	34,605	105	0.30%

BEGIN DATE – END DATE		BANNER SIZES	IMPRESSIONS BOUGHT	IMPRESSIONS BY BANNER SIZES	CLICKS BY BANNERS SIZES	CTR %
2020-06-25	2020-07-23	320X50 (Mobile)		30,743	21	
2020-06-25	2020-07-23	300x250		13,747	32	
2020-06-25	2020-07-23	728x90		4,784	80	
2020-06-25	2020-07-23	468x60		2,264	1	
2020-06-25	2020-07-23	300x600		834	22	
2020-06-25	2020-07-23	970x250		526	15	
			80,000	52,898	171	0.32%

## What is #MDT10Ahead?

Miami-Dade County's Department of Transportation and Public Works' (DTPW) Transit Development Plan (TDP) is a ten-year strategic vision that helps the Miami-Dade Transit (MDT) operate and grow a clean, safe, convenient, and reliable transit system. This brief survey uses your input to influence our plans looking forward to the next decade.

**What this survey does:** The TDP evaluates DTPW's existing transit system, identifies existing and future service improvements as well as capital investments, and in the end it presents a financial plan based on available funding.

### How you can help:

- Fill out and mail back this short survey to:

**Department of Transportation and Public Works  
MDT10Ahead**

701 NW 1st Court, 15th Floor, Miami, FL 33136  
(postage is on us)

- Submit additional comments via email at:

**MDT10Ahead@miamidade.gov**

- Fill out the online survey at:

**[www.miamidade.gov/transit/mdt10-ahead.asp](http://www.miamidade.gov/transit/mdt10-ahead.asp)**

- Look for us at one of our community events.

- Follow us on social media at **@GoMiamiDade** on Twitter, Instagram, and Facebook. Use **#MDT10Ahead** to join the conversation.

**Recommended Service Plan:** The ten-year implementation plan guides decisions about existing and future services. The plan is based on service standards, citizen input (like this survey you're about to complete), and stakeholder coordination.

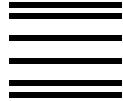
**Capital Investment Plan:** This plan prioritizes investments in buses, stations, infrastructure, and equipment needed to preserve and expand the transit system needed to implement the Recommended Service Plan.

**Financial Plan:** The financial plan identifies all available financial resources and identifies financial needs based on the Recommended Service Plan and Capital Improvement Plan.

### For more details, visit:

**[www.miamidade.gov/transit](http://www.miamidade.gov/transit)**

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AND PUBLIC WORKS  
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## MOVING FORWARD TOGETHER

### MIAMI-DADE COUNTY'S TRANSIT DEVELOPMENT PLAN

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS



In accordance with the requirements of Title II of the ADA, Miami-Dade County will not discriminate against qualified individuals with disabilities on the basis of disability in its services, programs, activities or facilities. Auxiliary aids and services for communication are available with five days' advance notice. For material in alternate format (audiotape, Braille or computer disk), a sign language interpreter or other accommodations, please contact: Miami-Dade Department of Transportation and Public Works, Office of Civil Rights and Labor Relations, 701 NW 1st Court, Suite 1700, Miami, FL 33136. Attention: Marcos Ortega. Telephone: 786-469-5225, Fax: 786-469-5589. E-mail: mo7225@miamidade.gov. If you are Deaf or hard of hearing, you may contact the agency using the Florida Relay Service at 711, or 1-800-955-8771 (TTY) or 1-800-955-8770 (Voice).

This is an annual survey conducted by the Miami-Dade County Department of Transportation and Public Works. Responses to the survey questions should reflect your typical behavior prior to the COVID-19 outbreak (March 2020).

## HOW DO YOU RIDE TRANSIT?

**How often did you use Miami-Dade Transit services, prior to the COVID-19 outbreak (March 2020)?**

	BUS	RAIL	MOVER	STS
4 + times a week	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1-3 times a week	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A few times a month	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rarely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Never	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**How do you normally access transit service information?**

- ☐ GO Miami-Dade Transit app
- ☐ Another smart phone application
- ☐ Social Media (Facebook, Instagram, Twitter, etc.)
- ☐ Miami-Dade Transit website
- ☐ Printed Schedules
- ☐ Rider Alerts (email/text messages)

**The main reason I'm taking transit today is:**

- ☐ I have a car, but I prefer to ride transit
- ☐ Transit is my only option
- ☐ I got rid of my car because I prefer to ride transit
- ☐ I don't have access to a car
- ☐ I don't drive ☐ I don't take transit

**If you ride transit to work/ school, where do you typically start your trip? Zip Code: \_\_\_\_\_ Where do you end your trip? Zip Code: \_\_\_\_\_**

**Before you begin your transit trip, how do you typically get to your Transit station/stop (i.e. Metrorail, Metrobus, or Metromover)?**

- ☐ I don't take transit ☐ Walk
- ☐ Bike, scooter, or another personal device
- ☐ Drive ☐ Carpool or vanpool
- ☐ Rideshare (Lyft, Uber, Freebee, etc.)
- ☐ Carpool or vanpool ☐ Municipal Trolley

**When you exit the transit vehicle, how do you typically travel to your destination?**

- ☐ Walk
- ☐ Bike, Scooter, or another personal device
- ☐ Rideshare (Lyft, Uber, Freebee, etc.)
- ☐ Carpool or vanpool
- ☐ Transfer to another Metrobus, city trolley, or Metromover
- ☐ Municipal Trolley
- ☐ I don't take transit

## TRANSIT PRIORITIES

**What should the Miami-Dade Transit's service priorities be for the next ten years?**

	VERY IMPORTANT	SOMEWHAT IMPORTANT	NEUTRAL	NOT IMPORTANT
Arrive and depart on time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Earlier/late service hours	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
More frequent service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
More weekend service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expand to serve new areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
More express/rapid transit service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improve comfort and amenities at transit facilities and vehicles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improve cleanliness of vehicles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase cleaning/ sanitizing frequency	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**What should be the main Miami-Dade Transit facilities-related priorities for the next ten years?**

	VERY IMPORTANT	SOMEWHAT IMPORTANT	NEUTRAL	NOT IMPORTANT
Improve stop/station amenities (canopies, lighting, seating, other furnishings)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improve access to retail/food/ beverages at stations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improve wayfinding signage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improve bicycle/pedestrian access and amenities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improve micro-mobility integration at stations (rented bikes / scooters)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provide electric vehicle charging stations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expand designated carshare (zipcar) areas at metrorail stations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Create more convenient pick-up/drop-off areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased parking at Metrorail stations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Create more park-and-ride lots	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improve public health safety at stations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improve security at stations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase station/stop seating capacity or standing room to allow social distancing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## RATE MIAMI-DADE TRANSIT'S OVERALL SERVICE

**Rate your overall experience with transit**

- ☐ Excellent ☐ Good ☐ Acceptable
- ☐ Neutral ☐ Negative ☐ I do not ride Transit

**Do you feel security systems are adequate while using Miami-Dade Transit?**

- ☐ Yes ☐ No ☐ I don't take Transit

## ABOUT YOURSELF (OPTIONAL)

**Which gender do you identify with?**

- ☐ Male ☐ Female ☐ Other

**What is your age group?**

- ☐ Under 16 ☐ 16-24 ☐ 25-34
- ☐ 35-44 ☐ 45-54 ☐ 55-64
- ☐ Over 65

**What is your household's approximate total annual income?**

- ☐ Less than \$15,000 ☐ \$15,000 - \$24,999
- ☐ \$25,000 - \$34,999 ☐ \$35,000 - \$44,999
- ☐ \$45,000-\$54,999 ☐ \$55,000-\$74,999
- ☐ \$75,000-\$99,999 ☐ \$100,000+

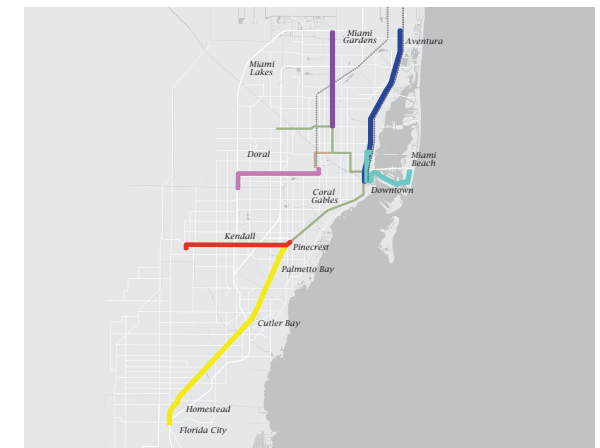
**How many working motor vehicles are available in your household?**

- ☐ None ☐ One ☐ Two ☐ Three or more

**Which best describes your race/ethnicity? (select all that apply)**

- ☐ Hispanic/Latinx ☐ Black/ African-American
- ☐ White ☐ Asian ☐ Other

## SMART PLAN – RAPID TRANSIT



**Of the six corridors in the Strategic Miami Area Rapid Transit (SMART) Plan that are being considered for premium transit service, please rank the corridors which you would use the most by assigning a score from 1 – 6 next to each option.**

- \_\_\_ Beach Corridor
- \_\_\_ Kendall Corridor
- \_\_\_ Northeast Corridor
- \_\_\_ East-West Corridor
- \_\_\_ North Corridor
- \_\_\_ South Corridor

## ¿Qué es #MDT10Ahead?

El Plan para el Desarrollo del Transporte (TDP) del Departamento de Transporte y Obras Públicas del Condado de Miami-Dade (DTPW) es una iniciativa estratégica de diez años diseñada para ayudar al Departamento de Transporte de Miami-Dade (MDT) a operar y crear un sistema de transporte público limpio, seguro, conveniente y confiable. Esta breve encuesta usa sus comentarios para influir en nuestros planes para la próxima década.

**Cuál es el objetivo de esta encuesta:** El Plan para el Desarrollo del Transporte evalúa el actual sistema de transporte público de DTPW; identifica las mejoras actuales y futuras en el servicio, así como las inversiones de capital; y al final presenta un plan de financiamiento, conforme a los fondos disponibles.

### Cómo puede ayudar usted:

- Complete esta breve encuesta y envíela a:  
**Department of Transportation and Public Works  
MDT10Ahead**  
701 NW 1st Court, 15th Floor, Miami, FL 33136  
(franqueo prepagado)
- Envíe los comentarios adicionales por correo electrónico a:  
**MDT10Ahead@miamidade.gov**
- Complete la encuesta en internet en:  
**www.miamidade.gov/transit/mdt10-ahead.asp**
- Asista a uno de nuestros eventos en la comunidad.
- Siganos en las redes sociales con **@GoMiamiDade** en Twitter, Instagram, y Facebook. Use **#MDT10Ahead** para participar en la conversación.

**Plan recomendado para el servicio:** El plan de ejecución, para un período de diez años, sirve de guía para tomar decisiones relativas a los servicios actuales y futuros. El plan se basa en las normas de servicio, los comentarios de los ciudadanos (como esta encuesta que usted va a contestar), y la coordinación de las partes interesadas.

**Plan de inversión de capital:** Este plan prioriza la inversión en autobuses, estaciones, infraestructura y equipos necesarios para preservar y expandir el sistema de transporte y que se necesita para poner en práctica el Plan Recomendado para el Servicio.

**Plan de financiación:** El plan de financiación identifica todos los recursos financieros disponibles, así como las necesidades financieras, conforme al Plan Recomendado para el Transporte y el Plan de Mejoras de Capital.

**Para más detalles, visite la página web:**  
**www.miamidade.gov/transit**

Conforme a las exigencias del Título II de la Ley de Estadounidenses con Discapacidades (ADA), el Condado de Miami-Dade no discrimina a individuos con discapacidades que reúnen los requisitos en el acceso a servicios, programas, actividades o instalaciones. Hay artículos y servicios auxiliares a disposición del público. Es necesario solicitarlos con cinco días de antelación. Para solicitar materiales en formato especial (audiocinta, Braille o disco de computadora), los servicios de un intérprete del lenguaje de señas u otras adaptaciones, sírvase comunicarse con: Miami-Dade Transit, Office of Civil Rights and Labor Relations, 701 NW 1st Court, Suite 1700, Miami, FL 33136. Atención: Marcos Ortega. Teléfono: 786-469-5225. Fax: 786-469-5589. Correo electrónico: mo7225@miamidade.gov. Si es sordo o tiene dificultades auditivas, puede llamar a Florida Relay Service al 711, 1-800-955-8771 (TTY) o 1-800-955-8770 (voz).

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## AVANZADO JUNTOS

PLAN PARA EL  
DESARROLLO DEL TRANSPORTE DEL  
CONDADO DE MIAMI-DADE

DEPARTAMENTO DE TRANSPORTE Y OBRAS PÚBLICAS





El Departamento de Transporte y Obras Públicas de Condado de Miami-Dade realiza esta encuesta anualmente y las respuestas deben reflejar la conducta típica anterior al brote del COVID-19 (marzo de 2020).

## ¿CÓMO USA EL TRANSPORTE PÚBLICO?

¿Con qué frecuencia usaba los servicios del transporte público antes del brote del COVID-19 (marzo de 2020)?

	AUTOBÚS	TREN	MOVER	STS
+4 veces a la semana	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1-3 veces a la semana	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Unas pocas veces al mes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rara vez	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nunca	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

¿Normalmente cómo busca información sobre el transporte público?

- ☐ Aplicación GO Miami-Dade Transit
- ☐ Otra aplicación en un teléfono inteligente
- ☐ Redes sociales (Facebook, Instagram, Twitter, etc.)
- ☐ Sitio web del Dpto. de Transporte de Miami-Dade
- ☐ Horarios impresos
- ☐ Alertas a los usuarios (email/mensajes de texto)

La razón fundamental por la que uso el transporte público es:

- ☐ Tengo un auto, pero prefiero usar el transporte público
- ☐ El transporte público es mi única opción
- ☐ Me deshice de mi auto porque prefiero usar el transporte público
- ☐ No tengo acceso a un auto
- ☐ No manejo ☐ No uso el transporte público

Si usa el transporte para ir al trabajo/escuela, ¿generalmente dónde comienza su recorrido? Código postal: \_\_\_\_\_ ¿Dónde termina su recorrido? Código postal: \_\_\_\_\_

Antes de que comience su recorrido en el transporte público, ¿cómo llega generalmente a la estación o parada del transporte público de Miami-Dade (Metrorail, Metrobús, o Metromover)?

- ☐ No uso el transporte público ☐ A pie
- ☐ En bicicleta, patineta, motopatinetas u otro medio personal
- ☐ Manejo ☐ Viajes compartidos (Lyft, Uber, Freebee, etc.)
- ☐ Automóvil (carpool) o camioneta de uso compartido (vanpool)
- ☐ Trolley del municipio

Cuando completa su recorrido en el transporte público de Miami-Dade, ¿cómo llega a su destino final?

- ☐ A pie ☐ Viajes compartidos (Lyft, Uber, Freebee, etc.)
- ☐ En bicicleta, patineta, motopatinetas u otro medio personal
- ☐ Automóvil (carpool) o camioneta de uso compartido (vanpool)
- ☐ Transfiero a otra ruta del Metrobús, trolley de la ciudad o al Metromover
- ☐ Trolley de la ciudad
- ☐ No uso el transporte público

## PRIORIDADES DEL TRANSPORTE PÚBLICO

¿Cuáles deben ser las prioridades de las instalaciones del Departamento de Transporte de Miami-Dade en los próximos diez años?

	MUY IMPORTANTE	MÁS O MENOS IMPORTANTE	NEUTRAL	NO ES IMPORTANTE
Lograr llegada y salida en tiempo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ofrecer un horario de servicio más temprano/tarde	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aumentar la frecuencia de servicio	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aumentar el servicio los fines de semana	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expandir el servicio a las nuevas áreas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Agregar rutas de servicio expreso/rápido	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aumentar las comodidades y servicios en las instalaciones y vehículos del transporte público	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mejorar la limpieza de los vehículos	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aumentar la frecuencia de limpieza/desinfección	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

¿Cuáles deben ser las prioridades del Departamento de Transporte de Miami-Dade en los próximos diez años en lo que respecta sus instalaciones?

Mejorar los servicios de las paradas/estaciones (toldos, luces, asientos, otras comodidades, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mejorar el acceso a venta minorista/bebidas/alimentos en las estaciones	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mejorar la señalización	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mejorar el acceso e infraestructura para los ciclistas/peatones	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mejorar la integración de micromovilidad en las estaciones (bicicletas/patinetas/motopatinetas de alquiler)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Crear estaciones de carga para los vehículos eléctricos	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expandir las áreas designadas para compartir automóviles en las estaciones del Metrorail (zipcar)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Crear más áreas de salida/llegada	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aumentar la capacidad de estacionamiento en las estaciones del Metrorail	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Crear más instalaciones de estacionamiento con acceso al transporte público (Park and Ride)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Elevar las medidas de seguridad en las estaciones para la salud pública	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mejorar la seguridad en las estaciones	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aumentar el número de asientos en las paradas/estaciones o el espacio para personas de pie con el fin de permitir la distancia social	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## CALIFIQUE EL SERVICIO DEL DPTO. DE TRANSPORTE DE MIAMI-DADE EN SENTIDO GENERAL

Califique su experiencia en el transporte público

- ☐ Excelente ☐ Buena ☐ Aceptable
- ☐ Neutral ☐ Negativa ☐ No uso el transporte público

¿Considera usted que los sistemas de seguridad del transporte público de Miami-Dade son los adecuados?

- ☐ Sí ☐ No ☐ No uso el transporte público

## PREGUNTAS PERSONALES (OPCIONAL)

¿Con cuál género se identifica usted?

- ☐ Masculino ☐ Femenino ☐ Otro

¿Cuál es su grupo de edad?

- ☐ Menos de 16 ☐ 16-24 ☐ 25-34
- ☐ 35-44 ☐ 45-54 ☐ 55-64
- ☐ Más de 65

¿Cuál es su ingreso anual familiar estimado?

- ☐ Menos de \$15,000 ☐ \$15,000 - \$24,999
- ☐ \$25,000 - \$34,999 ☐ \$35,000 - \$44,999
- ☐ \$45,000 - \$54,999 ☐ \$55,000 - \$74,999
- ☐ \$75,000 - \$99,999 ☐ Más de \$100,000+

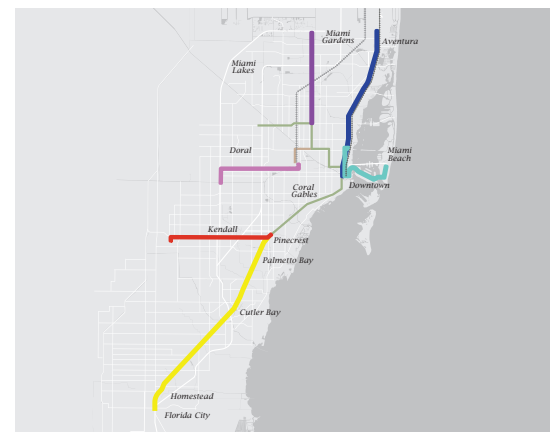
¿Cuántos vehículos motorizados hay en su núcleo familiar?

- ☐ Ninguno ☐ Uno ☐ Dos ☐ Tres o más

¿Cuál de estas opciones define mejor su grupo étnico/raza? (marque todas las opciones que correspondan)

- ☐ Hispano/Latino ☐ Negro/Afroamericano
- ☐ Blanco ☐ Asiático ☐ Otro

## SMART PLAN - TRÁNSITO RÁPIDO



De los seis corredores en el Plan de Tránsito Rápido en Áreas Estratégicas de Miami (SMART Plan) que se estudian para el Condado de Miami-Dade, clasifique los corredores que más utilizaría. Al lado de cada opción, coloque una puntuación del 1 al 6.

- \_\_\_ Corredor de la Playa
- \_\_\_ Corredor Este-Oeste
- \_\_\_ Corredor de Kendall
- \_\_\_ Corredor Norte
- \_\_\_ Corredor del Noroeste
- \_\_\_ Corredor Sur

## Kisa #MDT10Ahead ye?

Plan Devlopman Transpò (TDP), Plan Depatman Transpò ak Travo Piblik Konte Miami-Dade (DTPW) se yon vizyon estratejik dis ane ki ede Miami-Dade Transit (MDT) opere ak devlope yon sistèm transpò pwòp, san danje, pratik, ak fyab. Sondaj kout sa a sèvi ak opinyon ou pou enfluyans plan nou yo pou pwochen deseni an.

**Kisa sondaj sa a fè:** TDP a evalye sistèm transpò ki egziste deja nan DTPW, idantifye amelyorasyon sèvis ki egziste deja ak pwochen sèvis, envestisman kapital yo, epi finalman li prezante yon plan finansye ki baze sou finansman ki disponib.

### Kijan w ka ede?:

- Ranpli epi voye sondaj kout sa a tiunen pa lapòs nan:  
**Department of Transportation and Public Works  
MDT10Ahead**  
701 NW 1st Court, 15th Floor, Miami, FL 33136  
(postage is on us)
- Soumèt kòmmanète adisyonèl pa imel nan:  
**MDT10Ahead@miamidade.gov**
- Ranpli sondaj la sou entènèt nan:  
**www.miamidade.gov/transit/mdt10-ahead.asp**
- Chèche nou nan youn nan evènman kominote nou yo.
- Swiv nou sou medya sosyal nan **@GoMiamiDade** sou Twitter, Instagram, ak Facebook. Itilize **#MDT10Ahead** pou patisipe nan konvèsasyon an.

**Plan Sèvis Rekòmande:** Plan aplikasyon dis ane a gide desizyon sou sèvis ki egziste deja ak sa ki ap vini. Plan an baze sou nòm sèvis yo, opinyon sitwayen yo (tankou sondaj sa a ou pral ranpli a), ak kowòdinasyon moun entere yo.

**Plan Envestisman:** Plan sa a bay priorite a envestisman nan otobis, estasyon, enfrastruktir, ak ekipman ki nesèse pou prezève ak elaji sistèm transpò a ki nesèse pou aplike Plan Sèvis Rekòmande a.

**Plan Finansye:** Plan finansye a idantifye tout resous finansye ki disponib yo ak idantifye bezwen finansye ki baze sou Plan Sèvis Rekòmande a ak Plan Amelyorasyon Kapital la.

**Pou plis detay, vizite:**  
**www.miamidade.gov/transit**

Dapre egzijans Tit II ADA a, Konte Miami-Dade pap fè diskriminasyon kont moun ki kalifye ki gen andikap sou baz andikap nan sèvis, pwogram, aktivite oswa enstalasyon li yo. Ed adisyonèl ak sèvis pou komini-kasyon yo disponib avèk yon avèk senk jou davans. Pou materyèl nan fòm altène (kasèt odyo, Bray oswa disk sou odinatè), yon entèprèt langaj siy oswa lòt akomodasyon, tanpri kontakte: Miami-Dade Department of Transportation and Public Works, Office of Civil Rights and Labor Relations, 701 NW 1st Court, Suite 1700, Miami, FL 33136. Atansyon: Marcos Ortega. Telefòn: 786-469-5225, Faks: 786-469-5589. Imèl: mo7225@miamidade.gov. Si ou soud oswa difisil pou tande, ou ka kontakte ajans lan avèk Sèvis Relè Florid nan 711, oswa 1-800-955-8771 (TTY) oswa 1-800-955-8770 (Vwa).

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## AVANSE ANSANM

### PLAN DEVLOPMAN TRANSPÒ PIBLIK KONTE MIAMI-DADE

DEPATMAN TRANSPÒ AK TRAVO PIBLIK



Sa se yon sondaj anyèl ke Depatman Transpò ak Travo Piblik Konte Miami-Dade fè. Repons pou kesyon sondaj yo ta dwe reflete konpòtman tipik ou anvan epidemi COVID-19 la (mas 2020).

## KIJAN W VWAYAJE NAN TRANSPÒ PIBLIK?

**Konbyen fwa ou te sèvi ak sèvis transpò Miami-Dade anvan epidemi COVID-19 la (mas 2020)?**

	OTOBIS	TREN	MOVER	STS
Plis pase 4 fwa pa semèn	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1-3 fwa pa semèn	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kèk fwa pa mwa	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Raman	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Jamè	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Kijan nòmalman w gen aksè a a enfòmasyon sou transpò piblik?**

- ☐ Aplikasyon GO Miami-Dade Transit
- ☐ Yon lòt aplikasyon telefòn entelijan
- ☐ Medya Sosyal (Facebook, Instagram, Twitter, etc.)
- ☐ Sit entènèt Miami-Dade Transit
- ☐ Orè sou papye
- ☐ Alèt pasaje (imèl / mesaj tèks)

**Rezon prensipal ki fè mwen pran transpò jodi a se:**

- ☐ Mwen gen yon machin, men mwen pito monte transpò piblik
- ☐ Transpò piblik se sèl opsyon mwen
- ☐ Mwen te debarase m de machin mwen an paske mwen pito monte transpò piblik
- ☐ Mwen pa gen aksè a yon machin
- ☐ M pa kondwi ☐ M pa pran transpò piblik

**Si w pran transpò piblik pou al travay/lekòl, Ki kote w kòmanse vwayaj ou? Zipkòd: \_\_\_\_\_ Ki kote w fini vwayaj ou? Zipkòd: \_\_\_\_\_**

**Anvan ou kòmanse vwayaj transpò ou, kijan ou fè anjeneral ale nan estasyon oswa arè transpò ou?**

- ☐ M pa pran transpò piblik ☐ Mache
- ☐ Bisiklèt, moto oswa yon lòt aparèy pèsònèl
- ☐ Kondwi ☐ Kovwatiraj oswa minibus
- ☐ Transpò pataje (Lyft, Uber, Freebee, elatriye)
- ☐ Tramwe minisipal

**Lè w fin konplete vwayaj ou sou transpò piblik Miami-Dade, kijan w rive nan destinasyon w?**

- ☐ Mache
- ☐ Bisiklèt, moto oswa yon lòt aparèy pèsònèl
- ☐ Transpò pataje (Lyft, Uber, Freebee, elatriye)
- ☐ Kovwatiraj oswa minibus
- ☐ Transfè nan yon lòt Metrobus, trolley vil, oswa Metromover
- ☐ Tramwe minisipal
- ☐ M pa pran transpò piblik

## PRIYORITE TRANSPÒ PIBLIK

**Kisa ki ta dwe priyorite sèvis prensipal pou Miami-Dade Transit pou dis pwochen ane yo?**

	TÈ ENFÒRM	ENFE ENFÒRM	NET	PA ENFÒRM
Lè arive ak lè depa	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Orè sèvis pi bonè oswa pi ta	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sèvis pi regilye	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ogmante sèvis wikenn	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Elaji sèvis sou nouvo zòn	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Plis wout Ekspres/Rapid	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amelyore konfò ak ekipman nan enstalasyon transpò ak machin yo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amelyore pwòpte machin ak lokal yo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ogmante frekans Netwayaj/ Dèzenfeksyon	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Kisa ki ta dwe priyorite nan enstalasyon Miami-Dade Transit pou dis pwochen ane yo?**

Amelyore ekipman arè/estasyon (kanopi, konfò, mèb, elatriye)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amelyore aksè a boutik/bwason nan estasyon yo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amelyore syalizasyon pou direksyon	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amelyore aksè pou bisiklèt/pyeton	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amelyore pakin/depo bisiklèt nan estasyon yo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bay estasyon rechaj machin elektrik	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ogmante zòn ki chwazi pou machin vwayaj pataje nan estasyon Metrorail yo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kreye plis zòn pou depoze ak pran moun	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ogmante pakin nan estasyon Metrorail yo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kreye plis lokal Park and Ride	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amelyore sekurite sante piblik nan estasyon yo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amelyore sekurite nan estasyon yo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ogmante kapasite pou chita oswa kanpe estasyon/arè yo pou pèmèt distans sosyal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## BAY MIAMI-DADE TRANSIT YON NÒT APRESYASYON

**Bay eksperyans ou avèk transpò piblik yon nòt**

- ☐ Ekselan ☐ Bon ☐ Akseptab
- ☐ Net ☐ Negatif ☐ M pa monte transpò piblik

**Èske ou santi sistèm sekurite yo ase pandan w ap itilize transpò Miami-Dade?**

- ☐ Wi ☐ Non ☐ M pa monte transpò piblik

## KONSÈNAN OU MENM (PA OBLIGATWA)

**A ki sèks ou idantifye tèt ou?**

- ☐ Gason ☐ Fanm ☐ Lòt

**Ki gwoup laj ou?**

- ☐ Mwens pase 16 an ☐ 16-24 ane ☐ 25-34 ane
- ☐ 35-44 ane ☐ 45-54 ane ☐ 55-64 ane
- ☐ Plis pase 65

**Ki revni anyèl lakay ou?**

- ☐ Mwens pase \$15,000 ☐ \$15,000 - \$24,999
- ☐ \$25,000 - \$34,999 ☐ \$35,000 - \$44,999
- ☐ \$45,000 - \$54,999 ☐ \$55,000 - \$74,999
- ☐ \$75,000 - \$99,999 ☐ \$100,000+

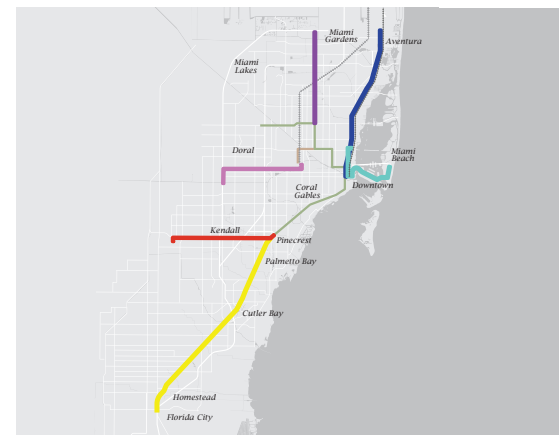
**Konbyen otomobil ki pa an pàn ki disponib lakay ou?**

- ☐ Okenn ☐ Youn ☐ De ☐ Twa ou plis

**Kisa ki dekri ras/etnisite w pi byen? (chwazi sa ki aplikab)**

- ☐ Panyòl/Latino ☐ Nwa/Afwoameriken
- ☐ Blan ☐ Azyatik ☐ Lòt

## PLAN ENTELIJAN - TRANSPÒ RAPID



Nan sis koridò ki nan Plan Estratejik Transizit Rapid nan Zòn Miami an (SMART) ke yo konsidere pou bonjan sèvis transpò, tanpri klase koridò yo ke ou ta plis itilize lè w plase yon nòt soti 1 rive 6 akote chak opsyon.

- ☐ Koridò Beach ☐ Koridò East-West
- ☐ Koridò Kendall ☐ Koridò Nò
- ☐ Koridò Nòdès ☐ Koridò Sid

# APPENDIX A.5



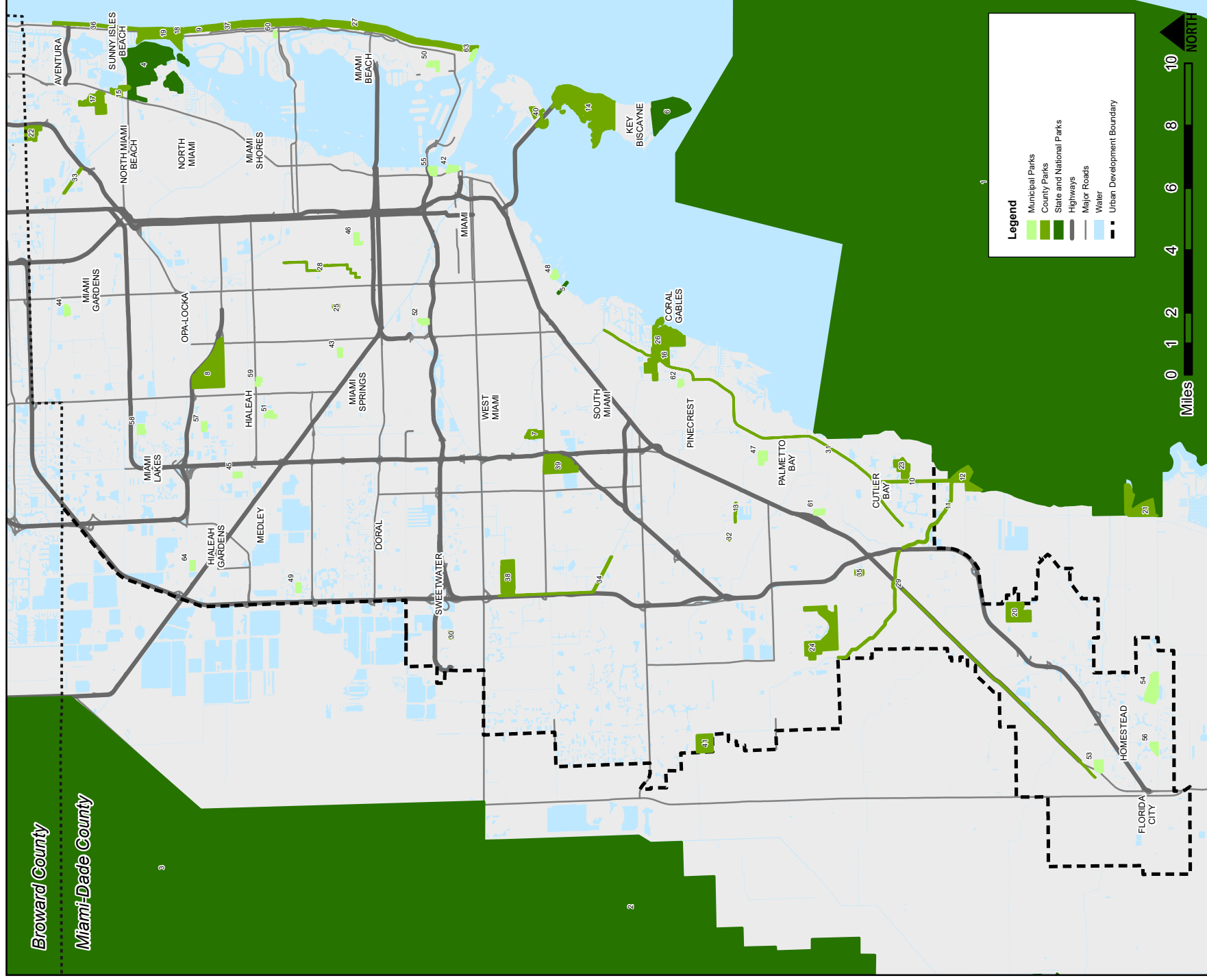
## A.5 MDT Major Trip Generator Maps



## Parks

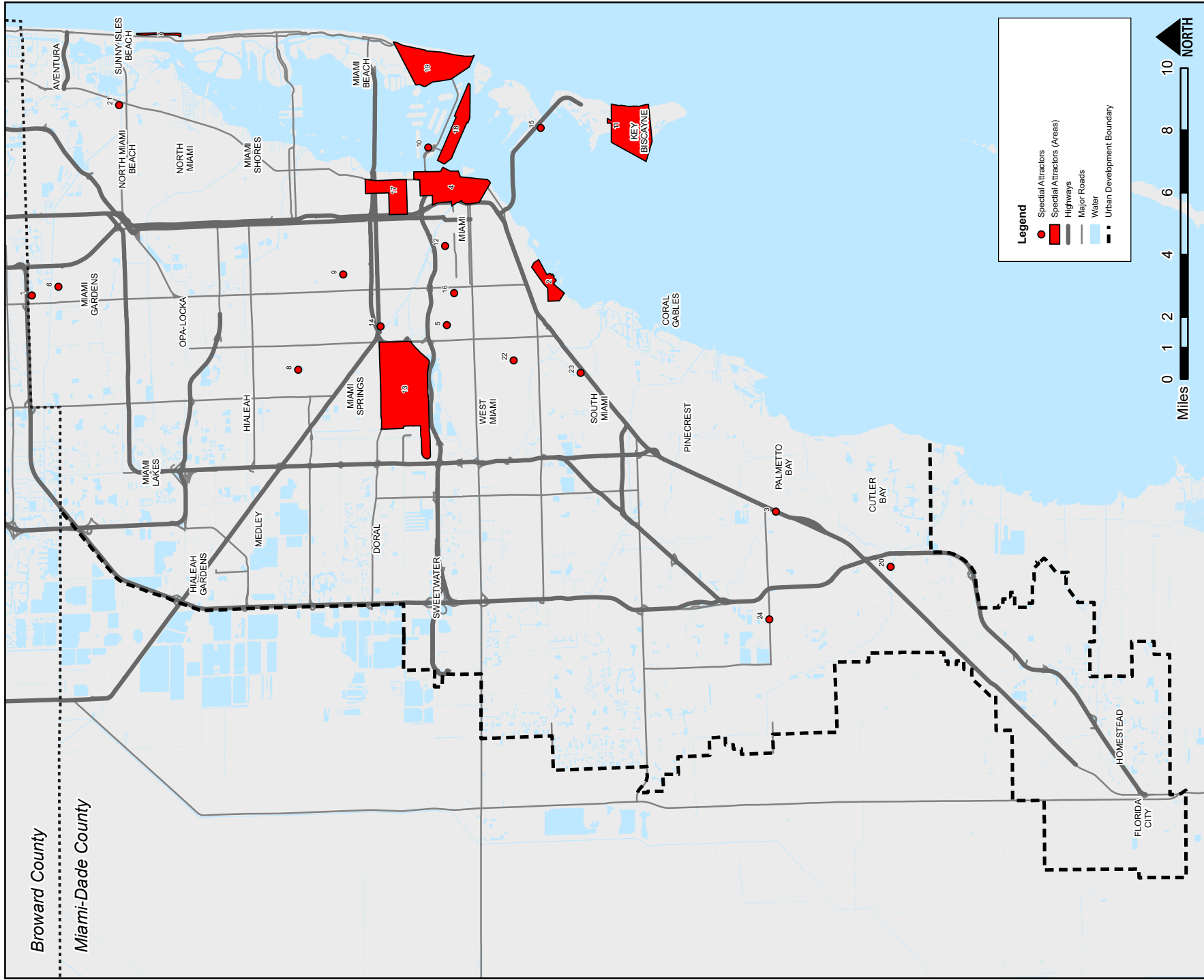
Map ID	Name	Routes								
State and National Parks										
1	Biscayne NP	NONE								
2	Everglades addition	NONE								
3	WCA-3A	NONE								
3	WCA-3B	NONE						NM*		
4	Oleta River SP	105	108	135	3					
		75	93	NM*						
5	The Barnacle Historic SP	NONE								
6	Bill Baggs Cape SP	102								
County Parks										
7	A.D. Barnes Park	40								
8	Amelia Earhart Park	135	37	42	HI*			38	39	52
9	Bal Harbour Beach	107	119	120	BA*	BY*	SU*			
10	Biscayne Trail (East Side of Canal)	200	287							
11	Black Creek Trail (Along C1 Canal)	1	137	200	248	287	31			
		34	35	38	39	52				
12	Black Point Park and Marina	NONE								
13	Briar Bay Linear Park	136								
14	Crandon Park	102								
15	East Greynolds Park	105	108	3	75	93	NM*			
16	Fairchild Tropical Botanic Garden	136								
17	Greynolds Park	183	210	3	9	93	95			
18	Haulover Beach	108	119	120	BA*					
19	Haulover Park	108	119	120	BA*					
20	Homestead Air Reserve Park	35								
21	Homestead Bayfront Park	NONE								
22	Ives Estates Park	195	196	295	296	99				
23	Lakes by the Bay Park	200	287					12	15	79
24	Larry & Penny Thompson Park	137	252	52						
25	Martin Luther King Jr. Memorial Park	32	62							
26	Matheson Hammock Park	136	57							
27	Miami Beach	103	110	112	113	115				
		119	120	150	79	SU*				
28	Model Cities Trail	112	12	21	22	246	254			
		27	297	46	54	62	79			
29	North South Trail	248	34	35	38					

Map ID	Name	Routes								
30	North Trail Park	137								
31	Old Cutler Bike Path	136	200	287	37					
32	Pinewoods Park	NONE								
33	Snake Creek Trail	195	196	295	296	95	99			
34	Snapper Creek Trail	24	272	40	56	71	72			
35	Southridge Park	1	34	39						
36	Sunny Isles Beach	105	108	119	120	BA*				
37	Surfside Beach	107	115	119	120					
		BA*	BY*	SU*						
38	Tamiami Park	11	24	71	8	82				
39	Tropical Park	40	56	82						
40	Virginia Key	102								
41	West Kendall District Park	NONE								
Municipal Parks										
42	Bayfront Park	119	120	195	196	3				
		836	9	93	95					
43	Benny Babcock Park & Pool	254	54	62	HI*					
44	Betty T. Ferguson Recreational Complex	27	297	99						
45	Bucky Dent Water Park	175	54	HI*						
46	Charles Hadley Park FKA Manor Park	12	17	21	246	46				
47	Coral Reef Park	57	PA*	PA*						
48	Dinner Key Auditorium & Marina	22								
49	Doral Legacy Park	DL*	DL*							
50	Flamingo Park & Pool	103	113	119	120	150				
51	Goodlet Park	54								
52	Grapeland Heights Park	238	37	57	836					
53	Harris Field Park	34	35	38						
54	Homestead Sport Complex									
55	Maurice A. Ferré Park	10	101	113	119	120				
		16	3	32	9	93				
56	Mayor Roscoe Warren Municipal Park	344	35							
57	McDonald Park	267	29	73						
58	Miami Lakes Park	267	73							
59	Milander Park	33	37	HI*						
60	North Shore Park / Tennis Center	112	115	119	120	79	SU*			
61	Palmetto Bay Park	1	52	PA*						
62	Pinecrest Gardens	57								
63	South Pointe Park	103	113	150						
64	Westland Gardens Park	HI*								



National, State, County and Municipal Parks. Source: DTPW, December 2019

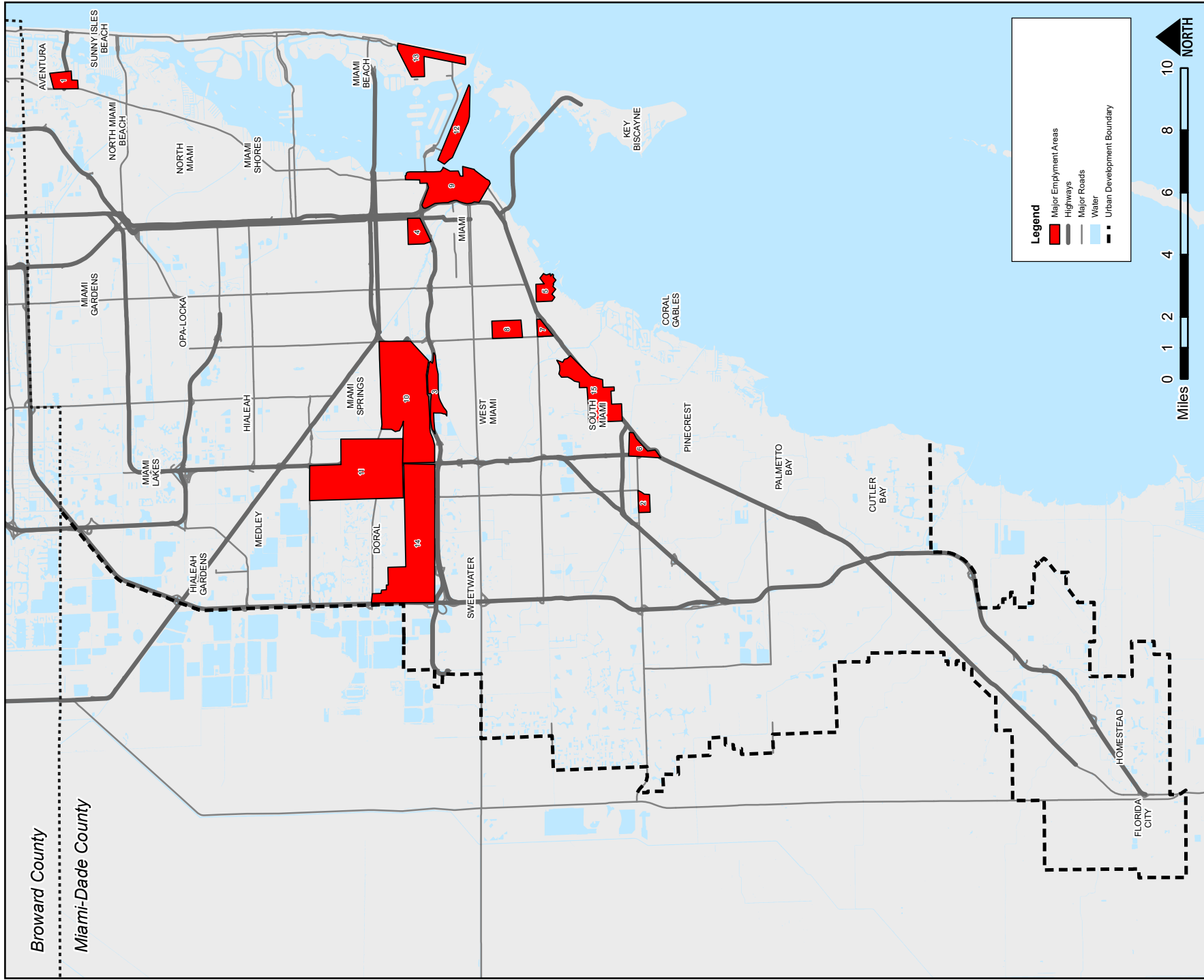






## Major Employment Areas

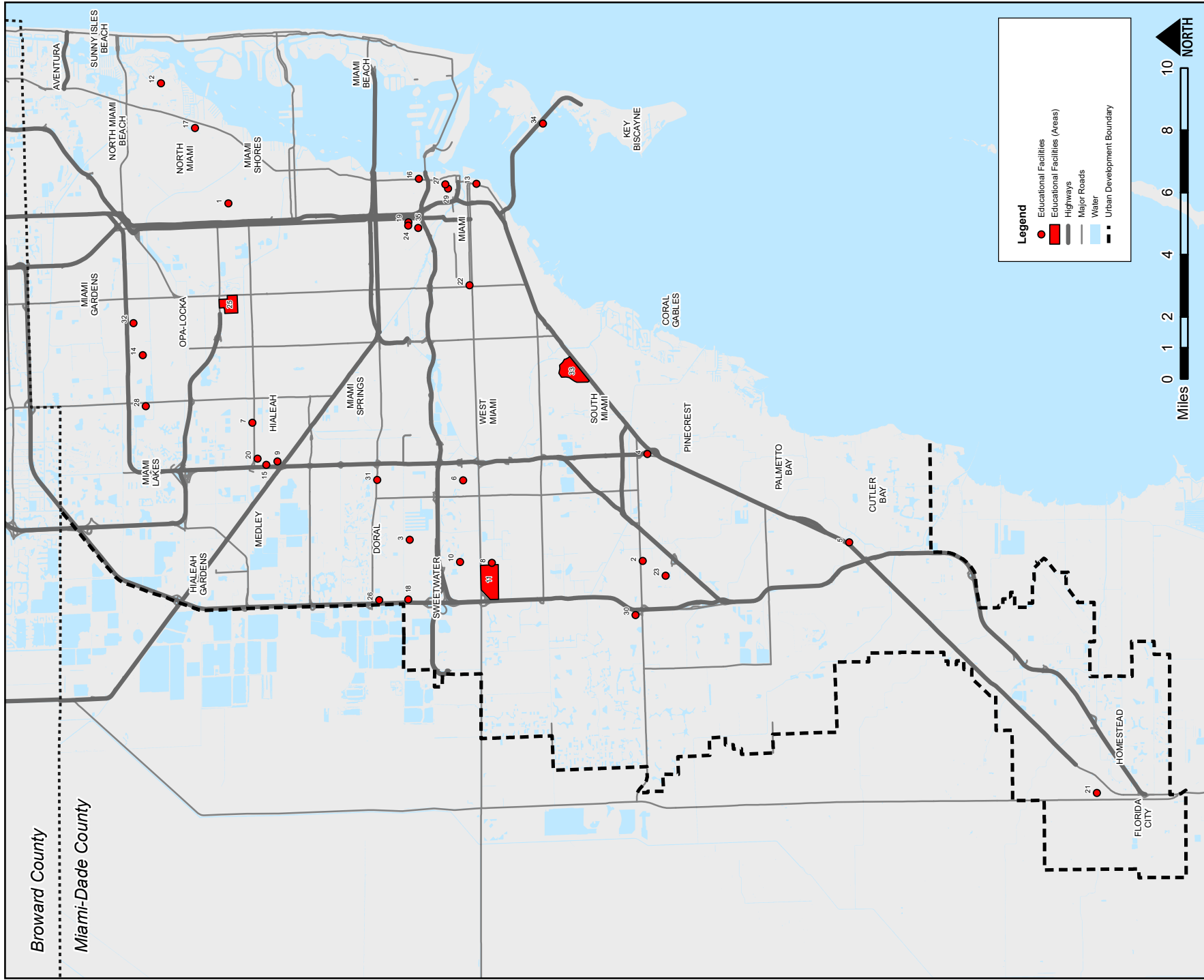
Map ID	Name	Routes									
1	Aventura Mall	105	119	120	183	3	9	93	95	99	BA*
2	Baptist Hospital South	104	88								
3	Blue Lagoon	238	338	57	7	836	WE*				
4	Civic Center / Health District	113	12	21	246	277	295	296	32	77	836
		95	RA*								
5	Coconut Grove	22									
6	Dadeland	104	204	252	272	287	288	31	34	38	39
		500	52	73	87	88	PA*	RA*			
7	Douglas Station	136	37	40	42	500	56	CG*	RA*		
8	Downtown Coral Gables	24	37	42	56	CG*					
9	Downtown Miami	10	101	102	11	113	119	120	16	195	196
		2	207	208	21	211	24	246	277	3	32
		500	51	7	77	8	836	9	93	95	RA*
10	Miami International Airport	110	132	150	238	297	338	36	37	42	57
		7	73	836	95						
11	Palmetto Industrial Area	132	175	238	36	73	87	95	DL*	DL*	DL*
12	PortMiami										
13	South Beach	103	112	113	115	119	120	150			
14	South Doral Industrial Area	137	238	338	36	7	71	836	87	95	DL*
		DL*	DL*								
15	UM / South Miami	37	500	56	57	72	73	RA*			



Major Employment Areas and Employers. Source: DTPW, December 2019

## Educational Facilities

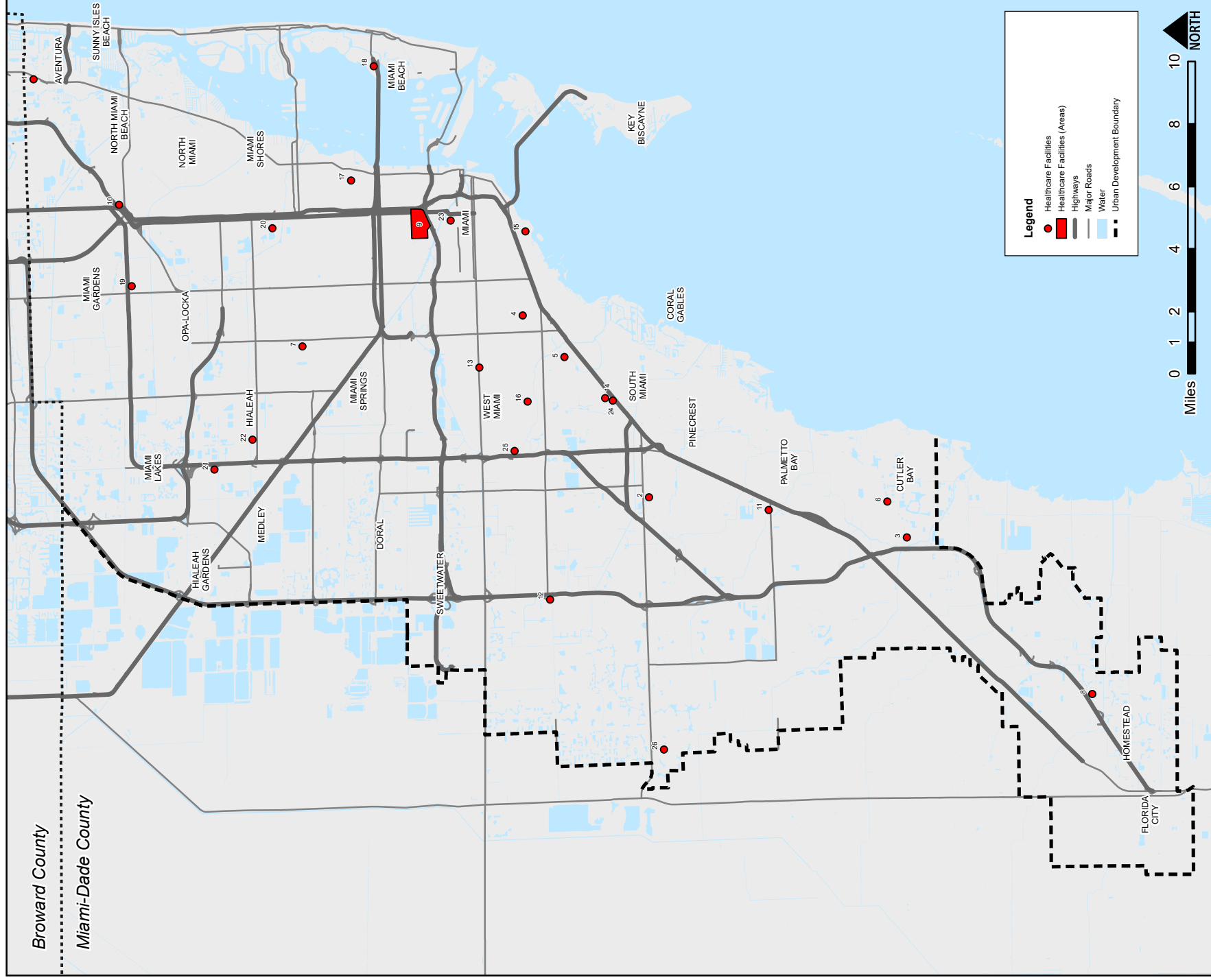
Map ID	Name	Routes					
1	Barry University Main Campus						
2	Barry University Kendall	71					
3	Carlos Albizu University						
4	City College						
5	CBT College - Cutler Bay Campus	200					
6	CBT College - Flagler Campus	11	51	87			
7	CBT College - Hialeah Campus	33	54	HI*			
8	Florida Career College Miami	11	71	8			
9	Florida Career College Hialeah						
10	Florida International University Engineering						
11	Florida International University - Modesto A. Maidique Campus	11	24	71	8	82	
12	Florida International University Biscayne Bay	135	75				
13	Florida International University Downtown on Brickell						
14	Florida Memorial University						
15	Florida National University	175	HI*				
16	Miami International University of Art & Design	10	101	113	119	120	16
		3	32	93			
17	Johnson & Wales University (JWU)						
18	Keiser University						
19	Lindsey Hopkins Technical College	32					
20	Miami Dade College Hialeah						
21	Miami Dade College Homestead	344					
22	Miami Dade College Interamerican	208	27	8			
23	Miami Dade College Kendall						
24	Miami Dade College Medical Center	113	21	32			
25	MDC North	107	19	27	297	32	
26	Miami Dade College West	36	DL*				
27	Miami Dade College Wolfson	119	120	3	7	9	93
28	Miami Lakes Educational Center & Technical College	29	75				
29	New World School of the Arts	119	120	3	9	93	
30	Nova Southeastern University - NSU						
31	Polytechnic University of Puerto Rico	132	36	95			
32	St. Thomas University						
33	University of Miami	500	56	RA*			
34	UM School of Marine and Atmospheric Science						
35	UM Leonard M. Miller School of Medicine						



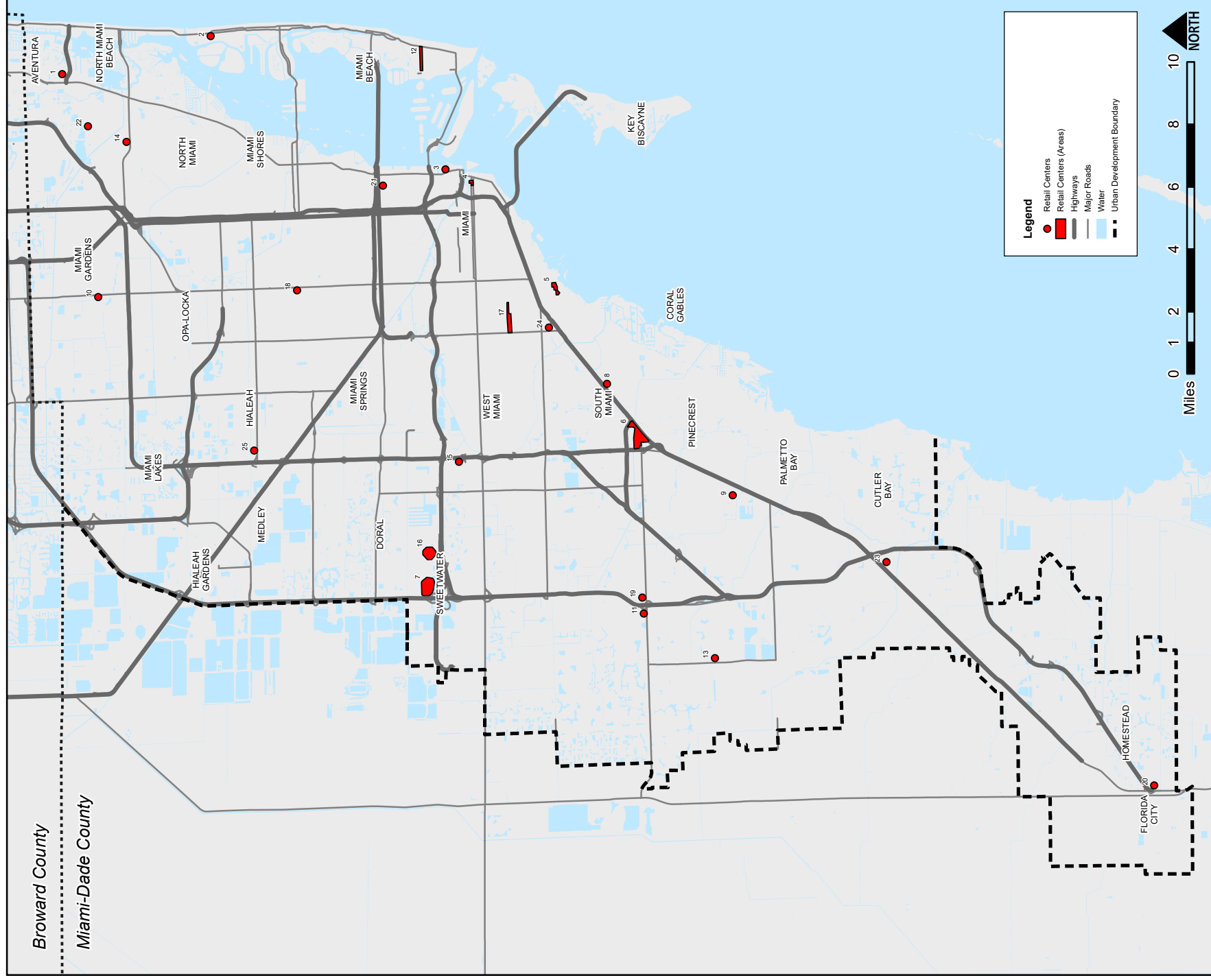
## Healthcare Facilities

Map ID	Name	Routes						
1	Aventura Hospital							
2	Baptist Hospital							
3	Doris Ison South Dade Community Health Center	287	52					
4	Coral Gables Hospital	37						
5	Doctors Hospital	56						
6	Encompass Health Rehabilitation Hospital of Miami	200						
7	Hialeah Hospital	112	HI*	RA*				
8	Homestead Hospital							
9	Jackson Memorial	113	12	195	196	21	246	277
		295	296	32	77	836	95	RA*
10	Jackson North Medical Center							
11	Jackson South Medical Center	252	52					
12	Kendall Regional Medical Center							
13	Kindred Hospital South Florida - Coral Gables	8						
14	Larkin Community Hospital	37	72					
15	Mercy Hospital	12						
16	Miami Children's Hospital							
17	Miami Jewish Home & Hospital for the Aged	10	202	9				
18	Mount Sinai Medical Center	103	110	113	115	150		
19	North Dade Health Center	217						
20	North Shore Medical Center							
21	Palmetto General Hospital							
22	Palm Springs General Hospital							
23	Selected Specialty Hospital - Miami	7						
24	South Miami Hospital	500	RA*					
25	Westchester General Hospital	24	82					
26	West Kendall Baptist Hospital							









# APPENDIX A.6



## A.6 MDT Bus Replacement Plan



<b>BUS PROCUREMENT / REPLACEMENT</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>
Total number required 40ft Electric	0	17	16	0	0	0	0	0	0	0	0	0	33
Total number of 40 Ft buses required 40 LFW CNG	86	140	0	0	0	0	55	55	55	55	55	55	55
Total number of Articulated buses required 60-ft Articulated CNG or Electric	0	0	0	0	0	0	0	43	11	10	0	0	0
<b>Total Buses</b>	<b>86</b>	<b>157</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>55</b>	<b>98</b>	<b>66</b>	<b>65</b>	<b>55</b>	<b>55</b>	<b>88</b>

<b>BUS PROCUREMENT / REPLACEMENT</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>	<b>2036</b>	<b>2037</b>	<b>2038</b>	<b>2039</b>	<b>2040</b>	<b>2041</b>	<b>2042</b>
Total number required 40ft Electric	0	0	0	0	0	0	0	0	0	0
Total number of 40 Ft buses required 40 LFW diesel hybrid	55	55	55	55	55	55	55	55	55	55
Total number of Articulated buses required 60-ft Articulated Diesel/Electric Hybrid	65	35	0	0	0	0	43	11	10	0
<b>Total Buses</b>	<b>120</b>	<b>90</b>	<b>55</b>	<b>55</b>	<b>55</b>	<b>55</b>	<b>98</b>	<b>66</b>	<b>65</b>	<b>55</b>

<b>BUS PROCUREMENT / REPLACEMENT</b>	<b>2043</b>	<b>2044</b>	<b>2045</b>	<b>2046</b>	<b>2047</b>	<b>2048</b>	<b>2049</b>
Total number required 40ft Electric	0	33	0	0	0	0	0
Total number of 40 Ft buses required 40 LFW diesel hybrid	55	55	55	55	55	55	55
Total number of Articulated buses required 60-ft Articulated Diesel/Electric Hybrid	0	0	0	65	35	0	0
<b>Total Buses</b>	<b>55</b>	<b>55</b>	<b>55</b>	<b>120</b>	<b>90</b>	<b>55</b>	<b>55</b>

# APPENDIX A.7



## A.7 MDT10Ahead Survey Results

Table 1 provides the response rate by question. On average, 97 percent of questions were completed. A summary of all survey results is provided below

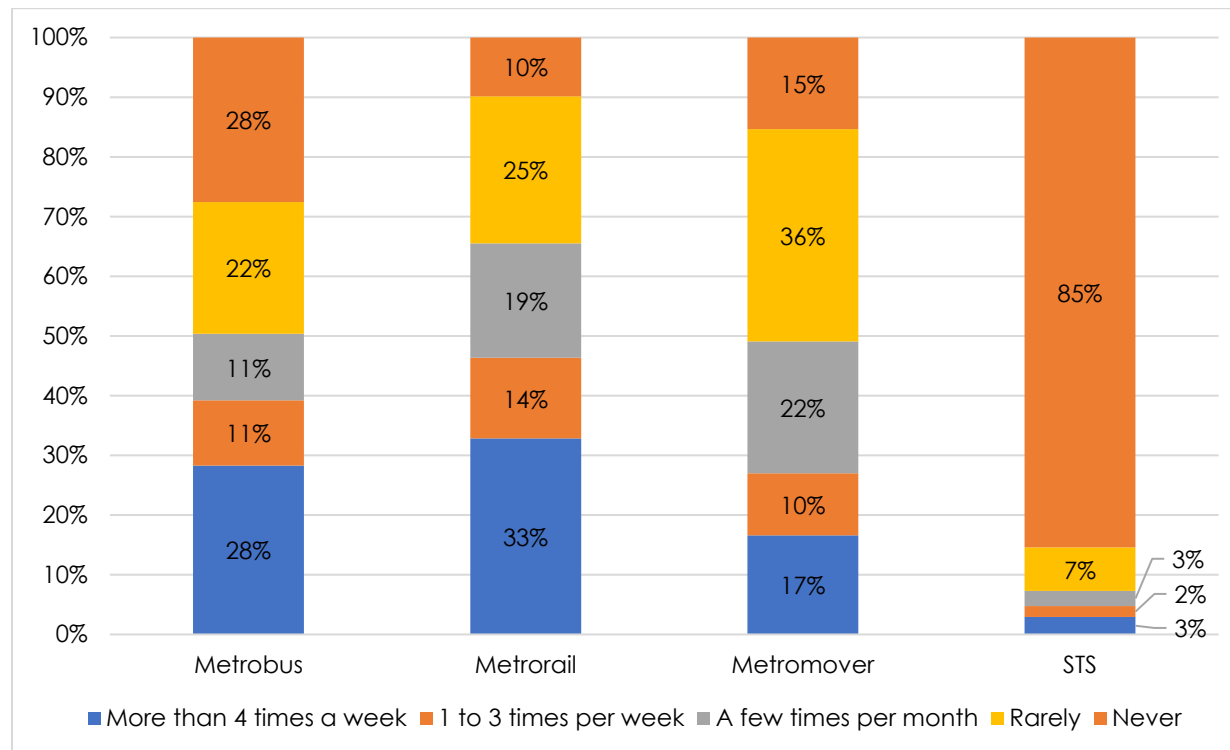
Question	Responses Received	
1*	548	100%
2	548	100%
3	548	100%
4*	548	100%
5*	547	99%
6*	467	85%
7*	531	97%
8	548	100%
9*	547	99%
10*	550	100%
11*	550	100%
12	550	100%
13	547	99%
14	547	99%
15*	548	100%
16*	548	100%
17	546	99%
18	546	99%
19	284	52%
20*	546	99%
21*	547	99%
22*	546	99%
23*	546	99%
24*	546	99%

\* Question was included in both the paper and online survey

## 1. How often did you use Miami-Dade Transit services prior to the COVID-19 outbreak (March 2020)?

Figure 1 provides insight into the types of transit being used by respondents. This question was on the electronic survey, as well as the paper survey. Approximately 33 percent of the respondents use Metrorail more than four times per week. Meanwhile, approximately 28 percent use the Metrobus and 17 percent use the Metromover more than four times per week. Just about 3 percent of respondents were occasional Special Transportation Services (STS) users.

**Figure 1 – How Often Do You Use Miami-Dade Transit Services?**

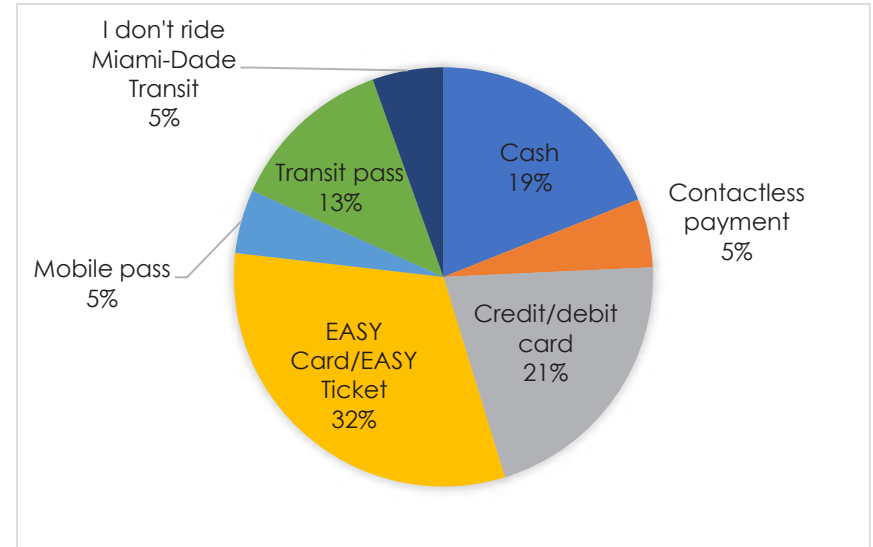




## 2. Transit Payment Methods

Respondents were asked how they paid for transit fares. As shown in **Figure 2**, approximately 32 percent of respondents use the EASY card to pay their transit fares. Another 21 percent use credit cards. 19 percent pay cash for their fares, and only 13 percent Transit pass as their form of payment. Approximately 5 percent of responders either use a contactless form of payment or pay with their mobile pass.

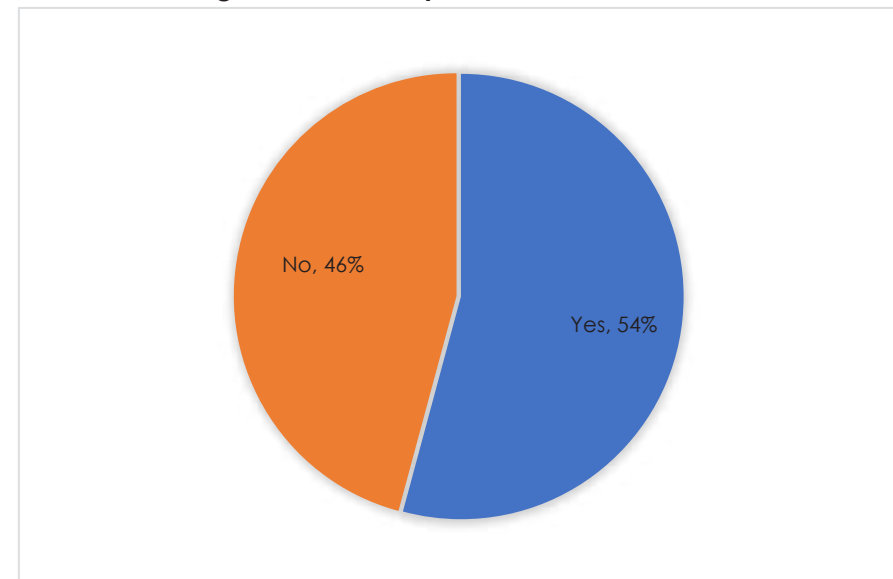
**Figure 2 – How Do You Pay for Transit?**



## 3. Transfers

Respondents were asked if they use transfers on the MDT system. About 46 percent indicated they do not transfer when they travel. Results are shown in **Figure 3**.

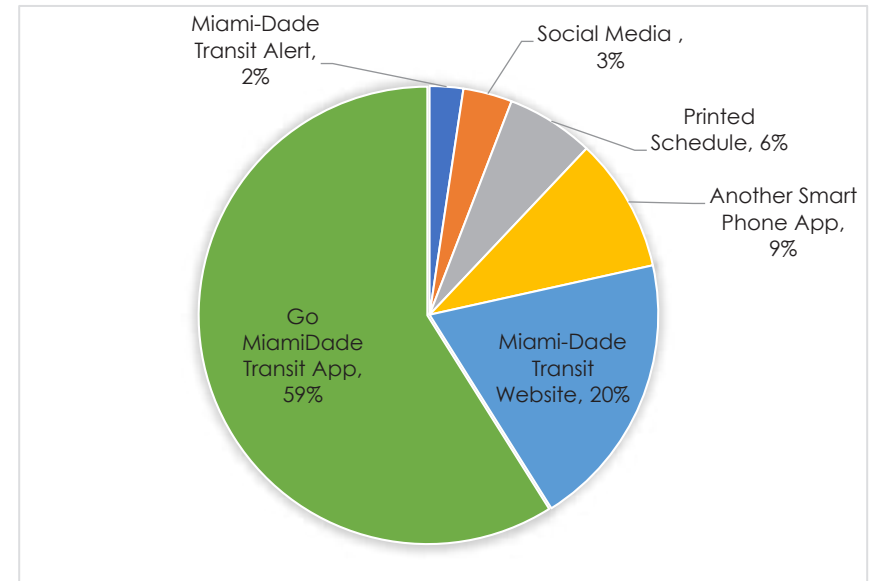
**Figure 3 – Did/Do you Make Transfers?**



#### 4. Transit Information

Survey respondents were asked about how they access transit information as shown in **Figure 4**. 59 percent rely on the GoMiamiDade App for transit information while 20 percent get their information from the Miami-Dade Transit website. 9 percent of respondents use other smart phone apps. 6 percent of riders prefer to use a printed schedule. Approximately 3 percent of respondents use social media and transit alerts as their primary source of transit information.

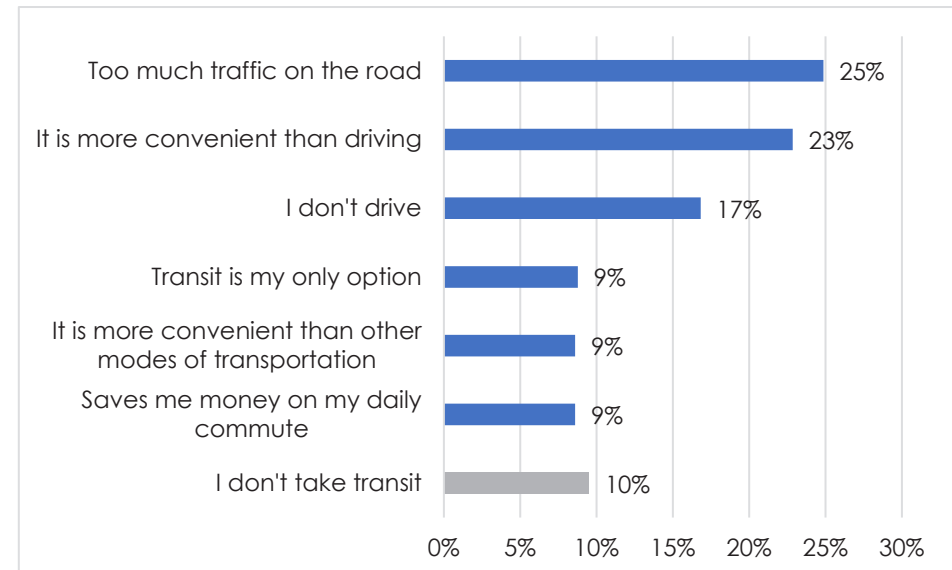
**Figure 4 – How Do You Access Transit Information?**



#### 5. Transit Use

**Figure 5** examines the reasons respondents use public transit. 25 percent of respondents indicated that their primary reason for using transit is congested traffic conditions and 23 percent use transit because it's more convenient than driving. 17 percent of respondents use transit because they do not drive. Approximately 9 percent use transit because it's their only option, because it is more convenient than other means of transportation or because it saves them money on their daily commute. 10 percent of respondents indicated that they do not use transit.

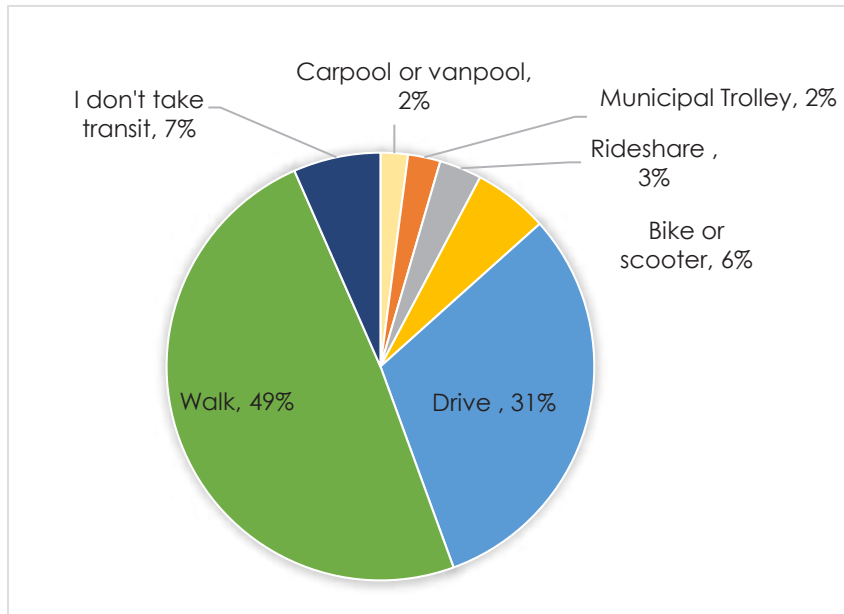
**Figure 5 – Why Do You Use Transit?**



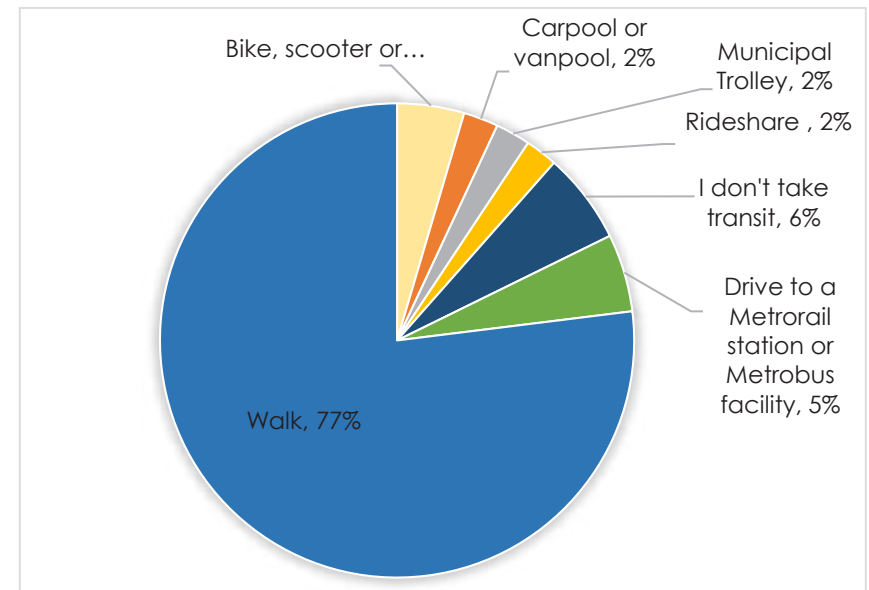
## 6. Transit Connections

Respondents were asked about the means of transportation to the nearest transit service point and to their final destinations. The results showed that 49% of respondents walked to transit points while 31% drove to transit point. While walking and driving were also the top two methods of reaching their destinations after getting off transit, a greater percentage completed their journey by walking (77%) while only 5 percent of respondents completed their journey by driving. Figure 6 and figure 7 shows the detailed responses to these questions.

**Figure 6 – How Do You Get to the MDC Transit Station?**



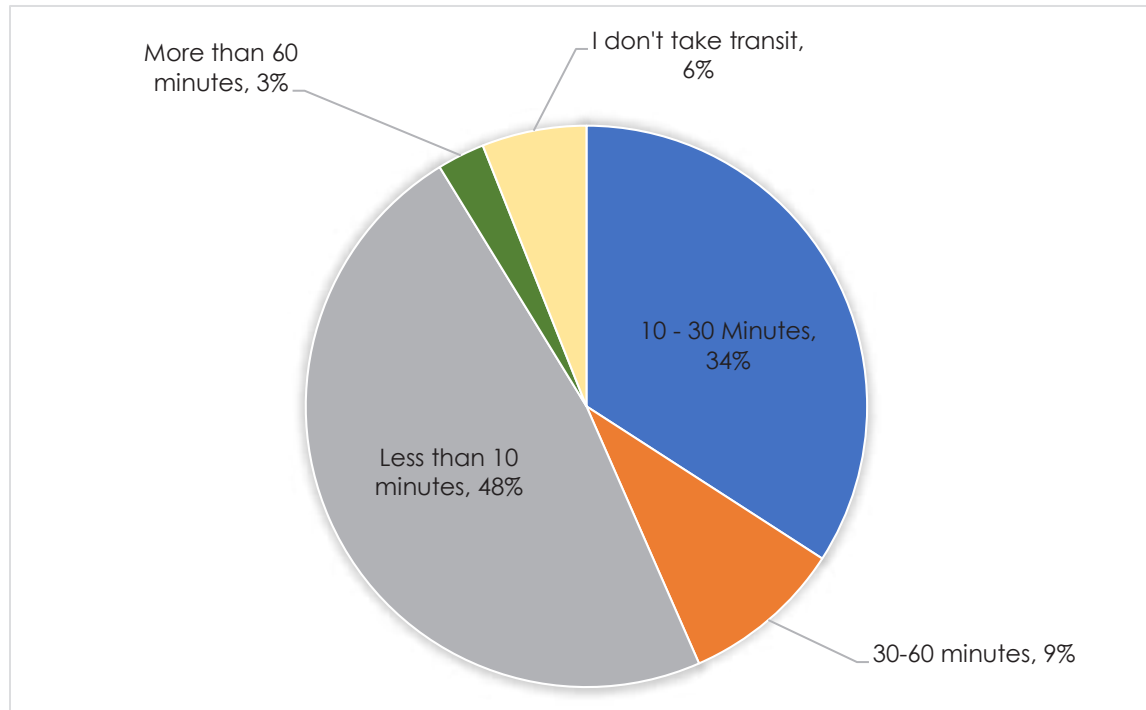
**Figure 7 – How Do You Get to Your Final Destination?**



## 7. Travel Time

The results of a question which asked respondents how long it took to get to the nearest transit station showed that most respondents (48%) travelled less than 10 minutes to access transit. 34 percent of respondents indicated that they had to travel between 10 to 30 minutes. See **Figure 8** for a complete breakdown of all responses.

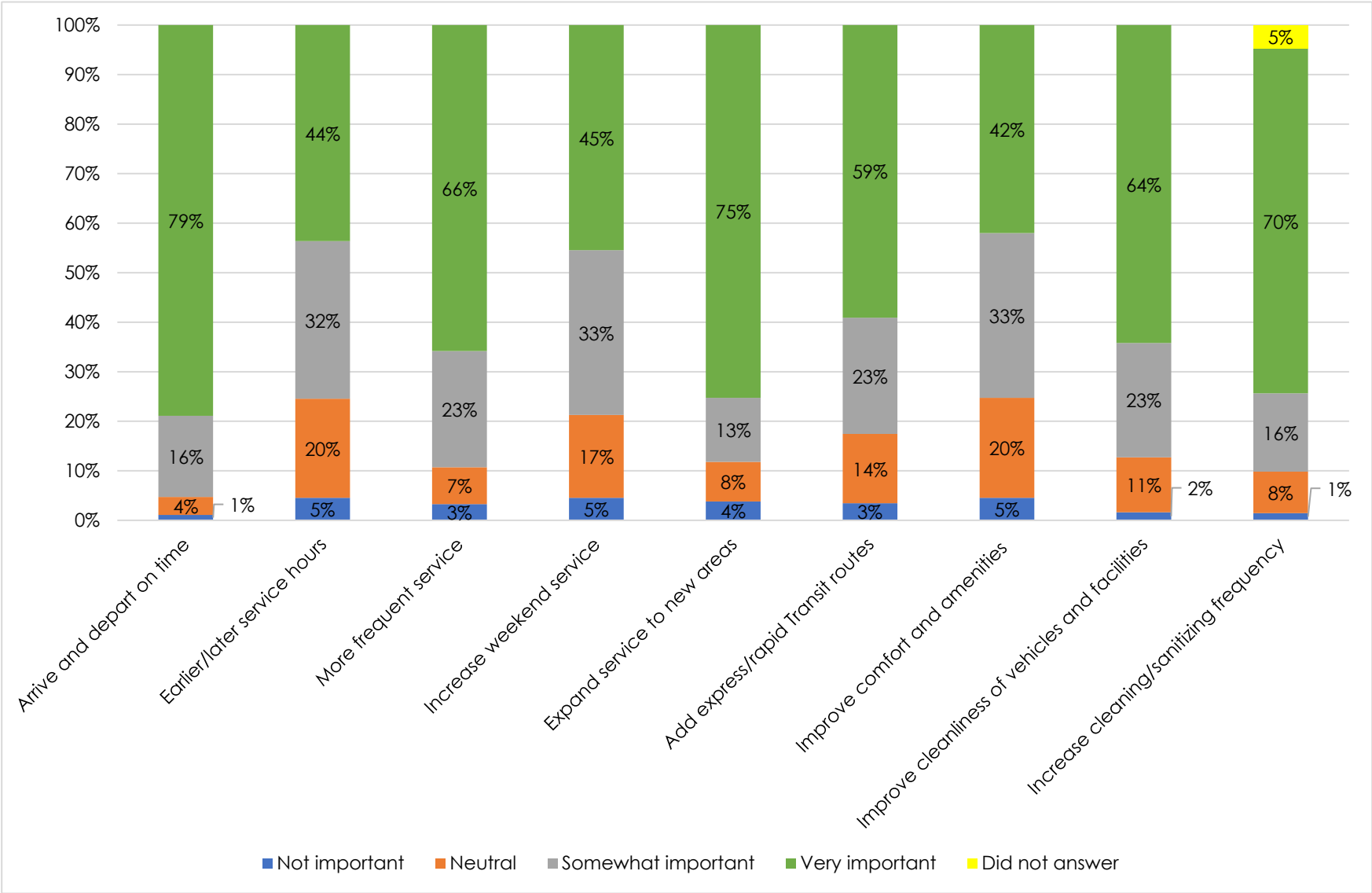
**Figure 8 – How Long Does It Take to Get to the Nearest Transit Stop?**



### 8. Service Priorities

When asked about service priorities for the next 10 years, respondents indicated on-time performance was the most important service priority, followed by expanding service to new areas and more frequent service. **Figure 9** shows the total breakdown of all service priorities.

**Figure 10 – What Should the Miami-Dade Transit's Service Priorities Be for the Next 10 Years?**

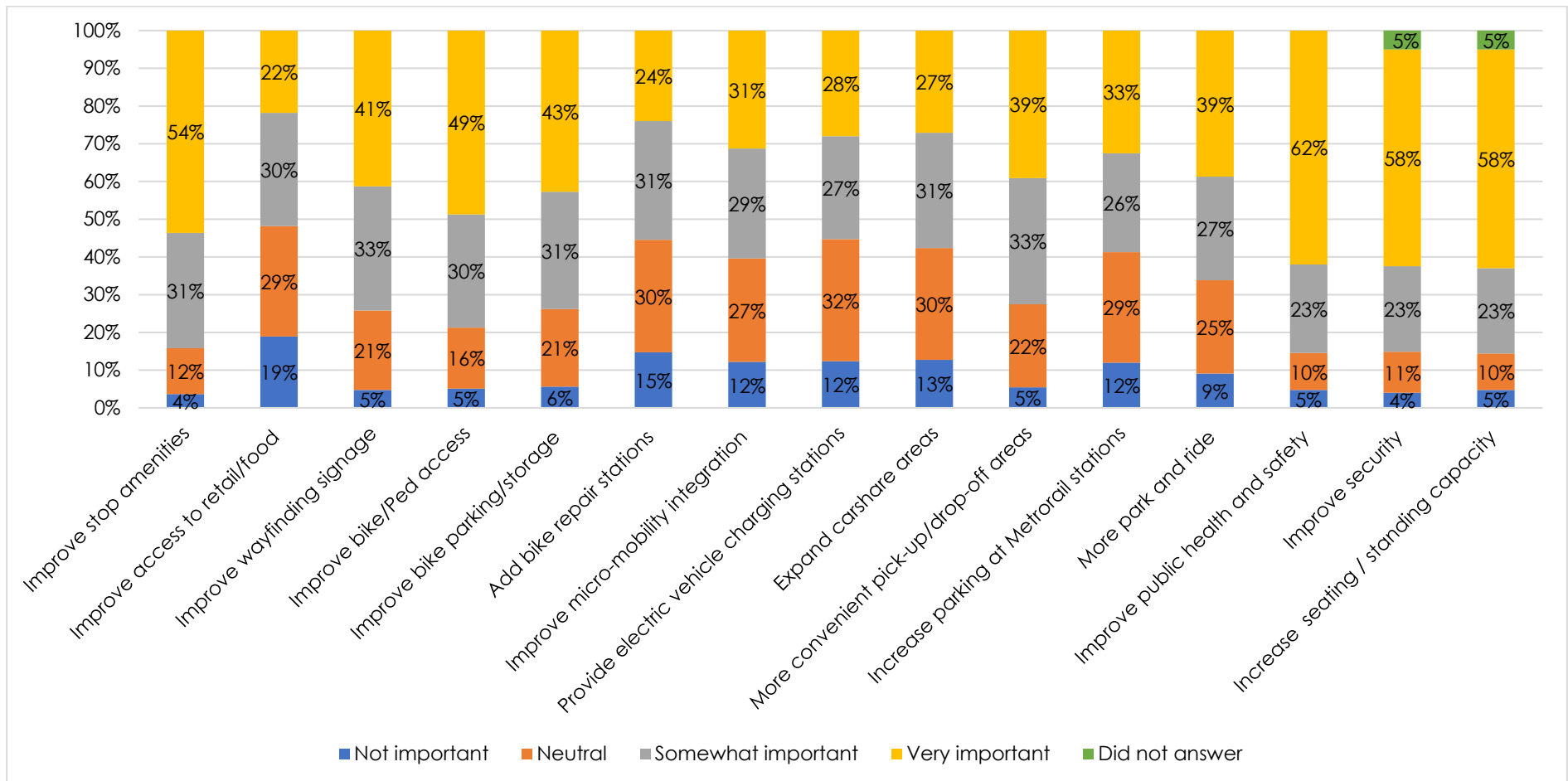




## 9. Facility Related Priorities

When asked about facility-related priorities for the next 10 years, respondents indicated improving public health and safety was the most important facility priority, followed improved security and increasing seating capacity and standing room to allow for social distancing. **Figure 10** shows the total breakdown of all service priorities.

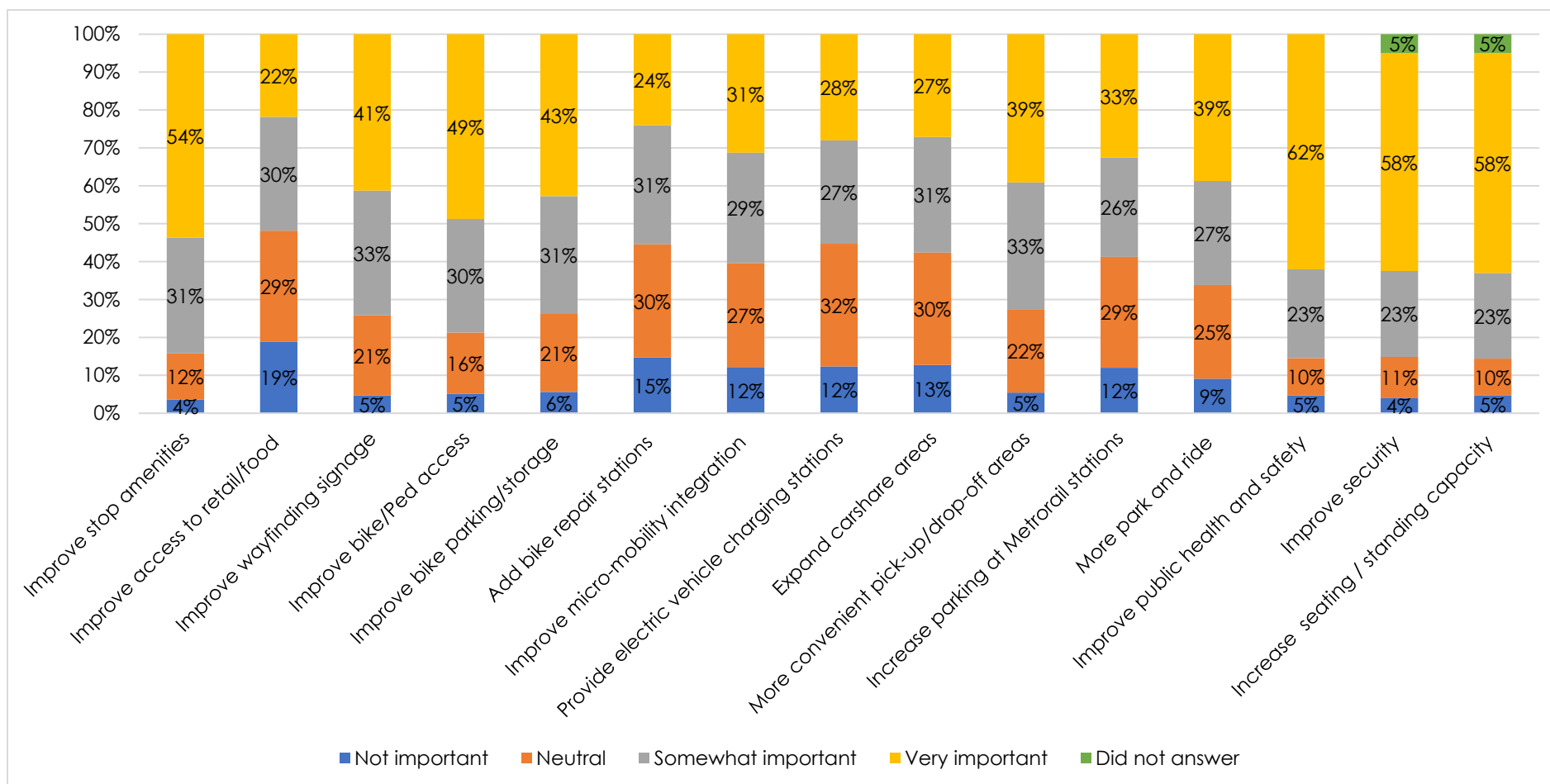
**Figure 10 – What Should Miami-Dade Transit's Facilities-Related Priorities Be for the Next Ten Years?**



## 10. What Would Motivate You to Use Miami-Dade County Transit Services?

This question sought to find out what would motivate respondents to increase their patronage of transit services. The responses indicated that most people (79%) would use transit if it reached more destinations. Other key motivators include shorter wait times (65%), on-time service (64%), proximity of transit facilities to residences (56%) and improved multimodal connections at transit facilities (51%). See **Figure 11** for detailed results.

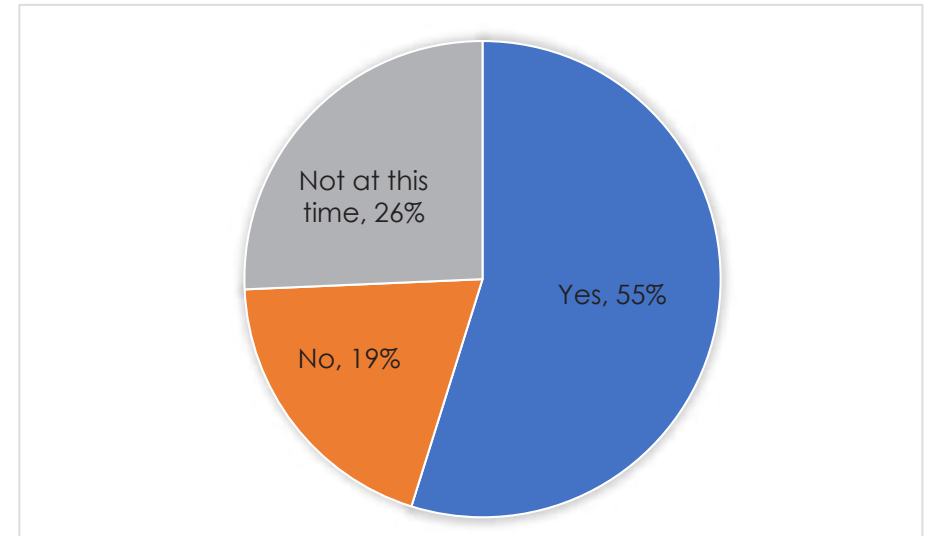
**Figure 11– What Would Make You Use Miami-Dade County Transit Services?**



## 11. Fare increase

As displayed in **Figure 12**, when asked about the tradeoff between better service and higher fares, 55 percent of respondents indicated they would be willing to pay more for better service.

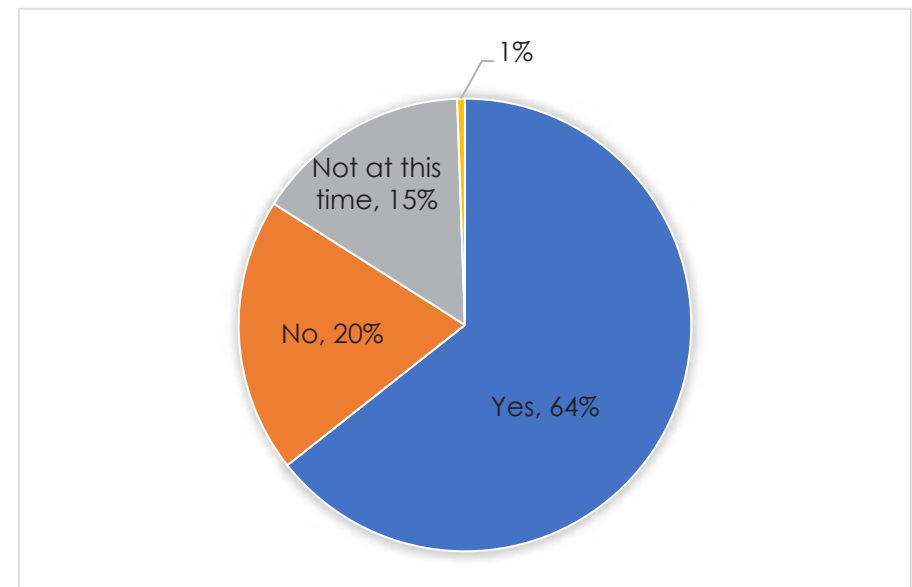
**Figure 12– Would You Be Willing to Pay Increased Fare to Improve Transit Services?**



## 12. Sales Tax Support

**Figure 13** provides an overview of the responses from a question asking users whether they would support a referendum for an additional ½-cent sales tax which would support improved/expanded transit services. Approximately 64 percent indicated they would support a referendum for transit.

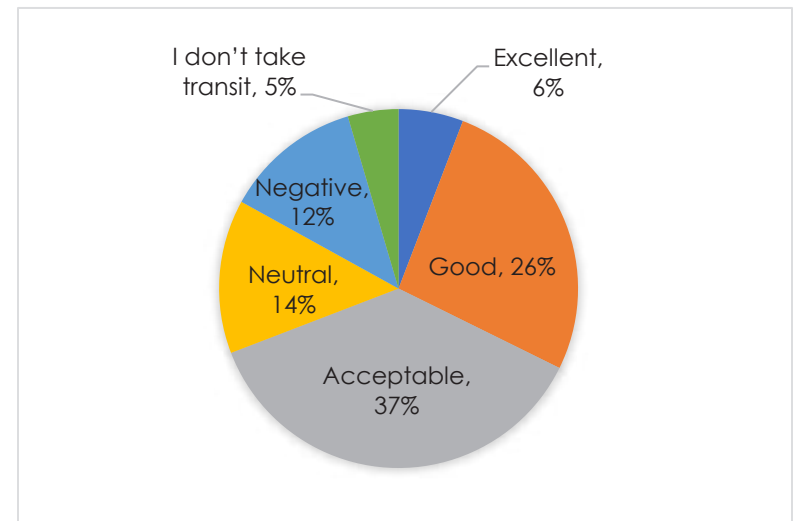
**Figure 13 – Would You Support A Referendum for An Additional Half Penny Sales Tax for Improved/Expanded Miami-Dade?**



### 13. Satisfaction

**Figure 14** provides an overview of responses to a question which asked users to rate MDT's services. Almost 14 percent of all respondents noted they would rate their experience with MDT as average. However, approximately 37 percent indicated they are satisfied with MDT's services.

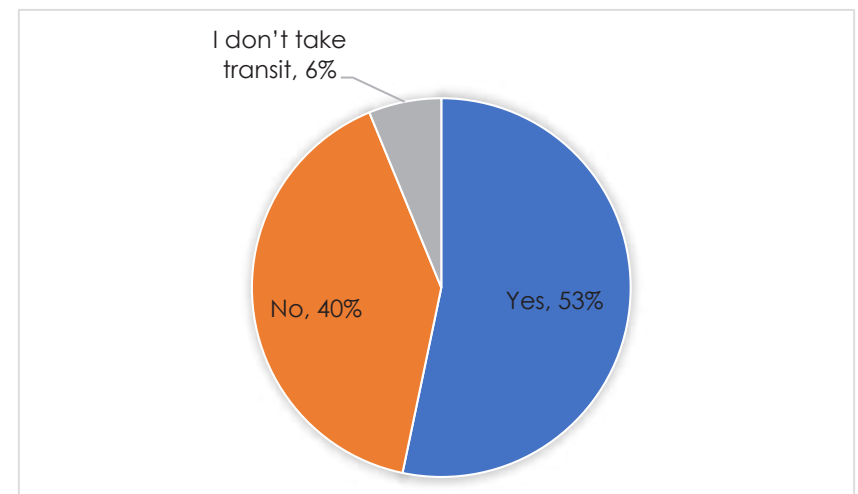
**Figure 14 – Rate Your Overall Riding Experience with Miami-Dade Transit.**



### 14. Security

Respondents were asked about their perceptions of the adequacy of security systems on Miami-Dade Transit services. While 40 percent of respondents were of the view that existing security systems on the transit network are inadequate, 50 percent felt confident about the existing security systems. See **Figure 15** for detailed results

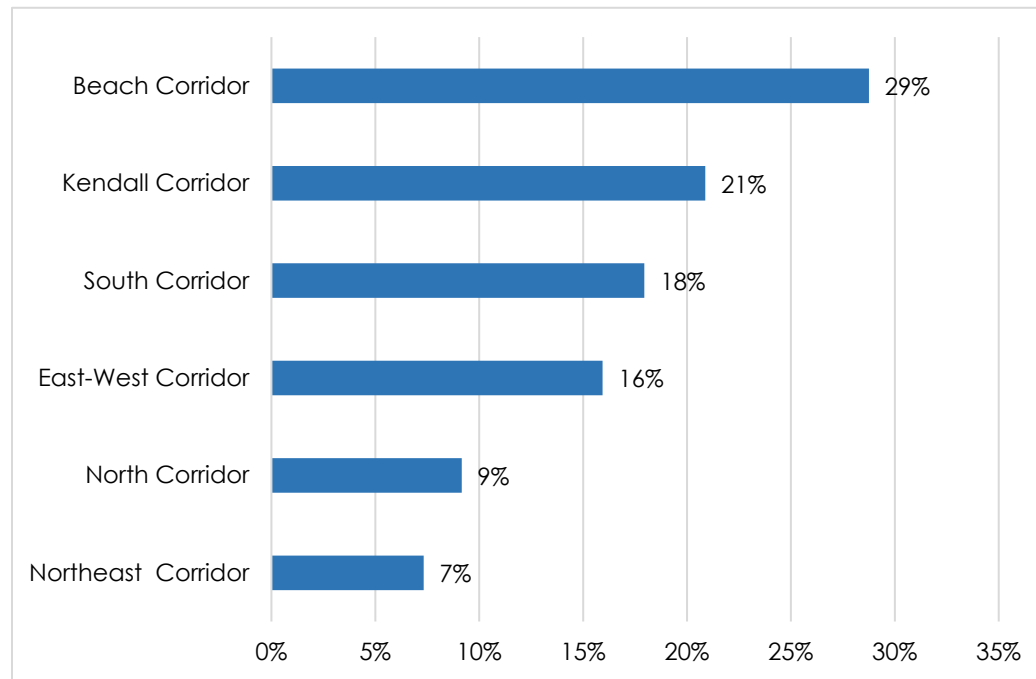
**Figure 15 Do You Feel Security Systems Are Adequate While Using Miami-Dade Transit?**



## 15. Smart Corridors

When asked about which of the six corridors in the Strategic Miami Area Rapid Transit (SMART) Plan respondents would use the most, the Beach Corridor came up as the top corridor followed by the Kendall and South Corridors. See **Figure 16** for details.

**Figure 16 – Of the Six Corridors in The Strategic Miami Area Rapid Transit (SMART) Plan that are Being Considered for Miami-Dade County, Please Rank the Corridors Which You Would Use the Most**

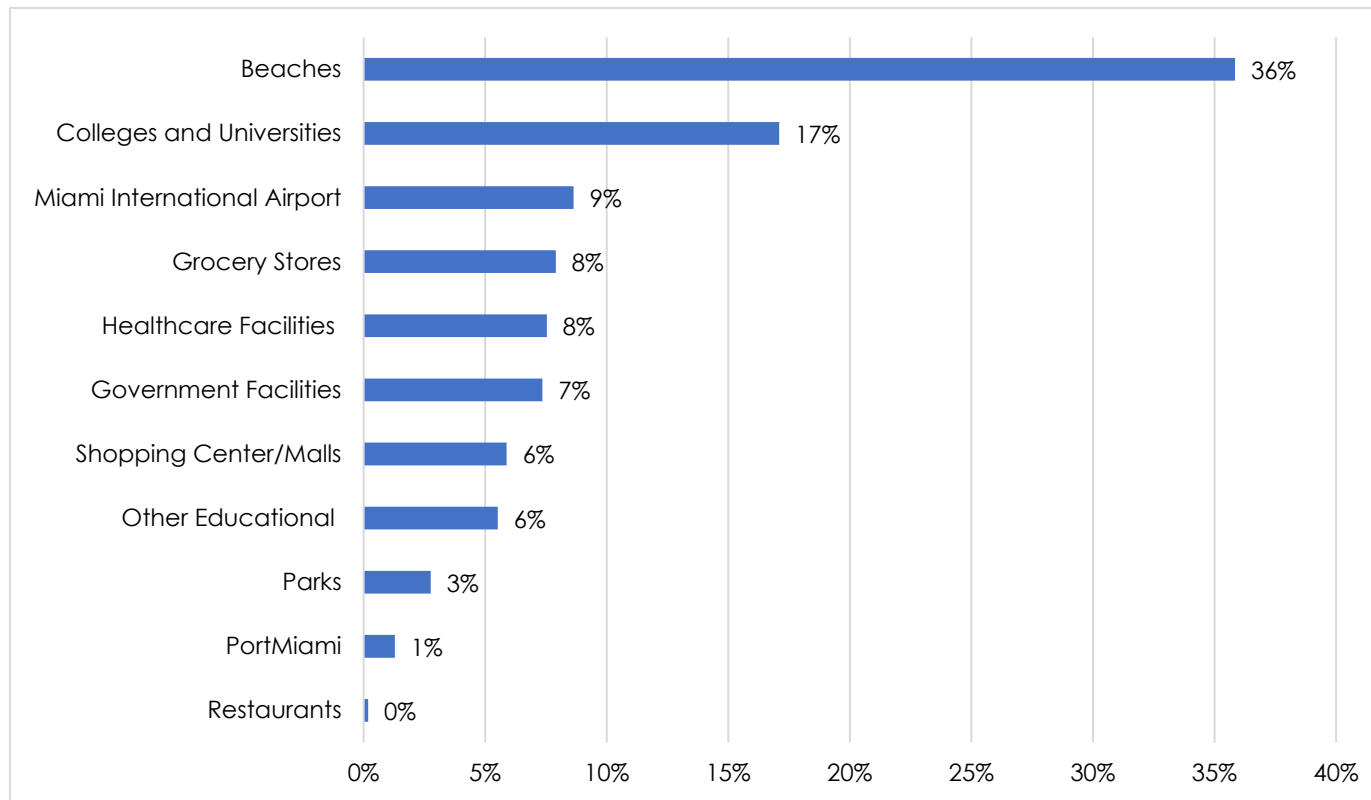




## 16. Destinations

**Figure 17** provides insight into what types of destinations respondents would like to travel to. The number one response was to provide service to Beaches followed by Colleges and Universities and the Miami International Airport.

**Figure 17 – Which of the Following Destinations Could Miami-Dade Transit Serve Better?**



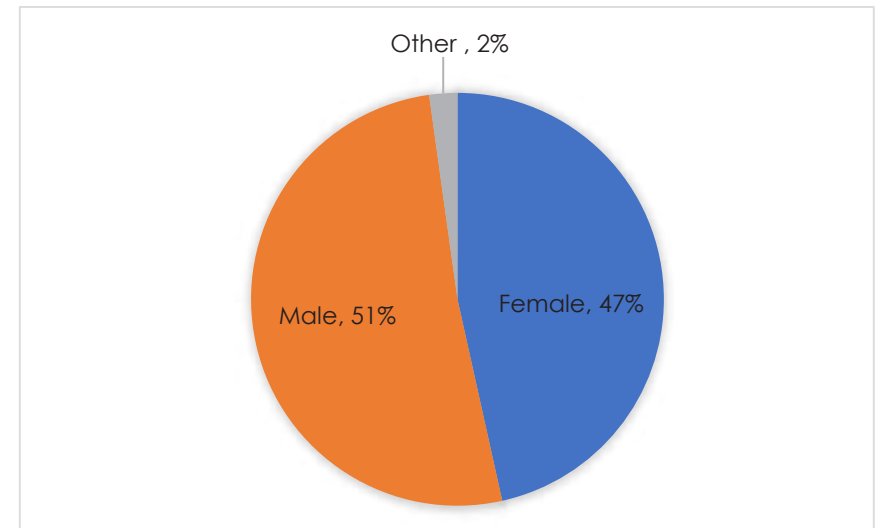
## 17. Demographic Information

The remainder of this report provides demographic information of those taking the survey.

### Gender

As shown in **Figure 18**, 2 percent of respondents did not indicate their gender. Of those who did indicate their gender, there was a slight skew towards males (3%)

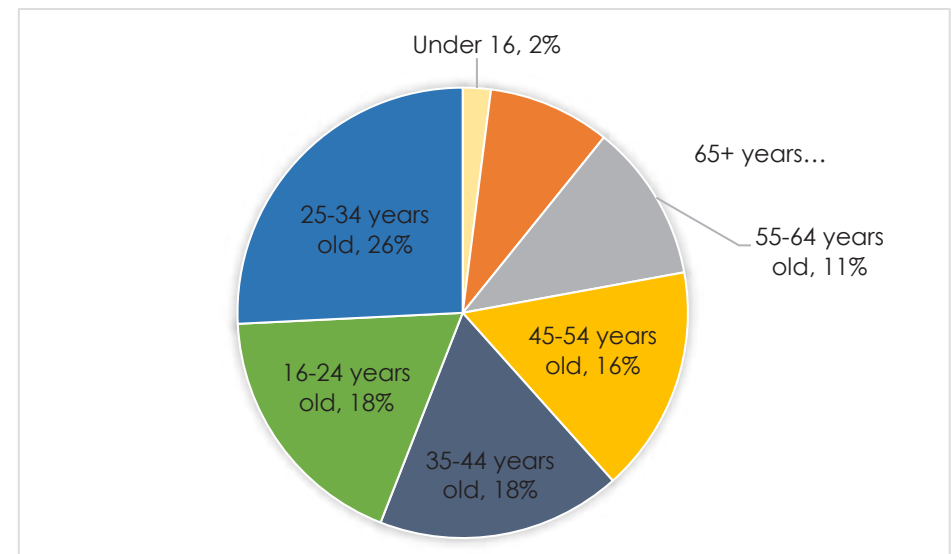
**Figure 18 – What Is Your Gender?**



### Age

Respondents are categorized by age group in **Figure 19**. The largest cohort is between 25 and 34 years old.

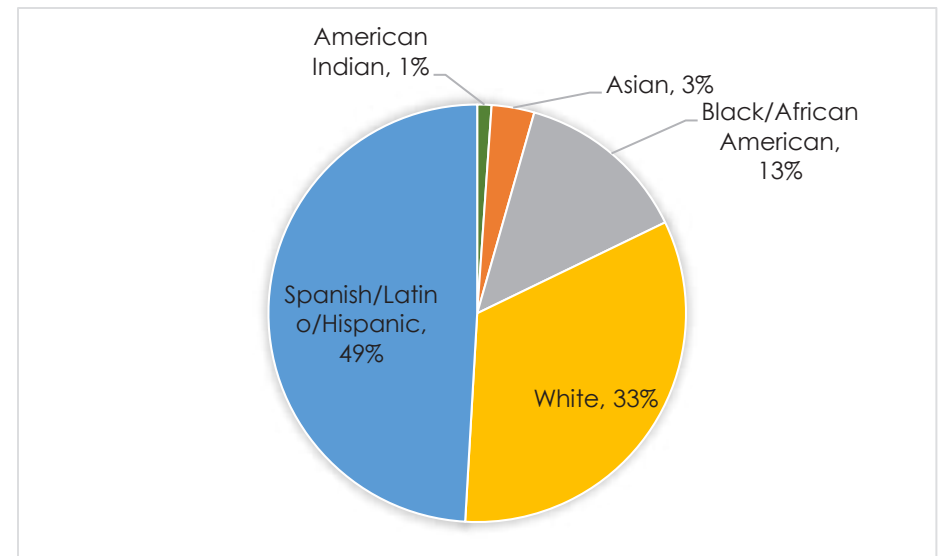
**Figure 19 – What Is Your Age Group?**



### Race/Ethnicity

**Figure 20** provides information on the race and/or ethnicity of survey respondents. The two largest groups to complete the survey were Spanish/Hispanic/Latino and White with 39 percent and 33 percent, respectively.

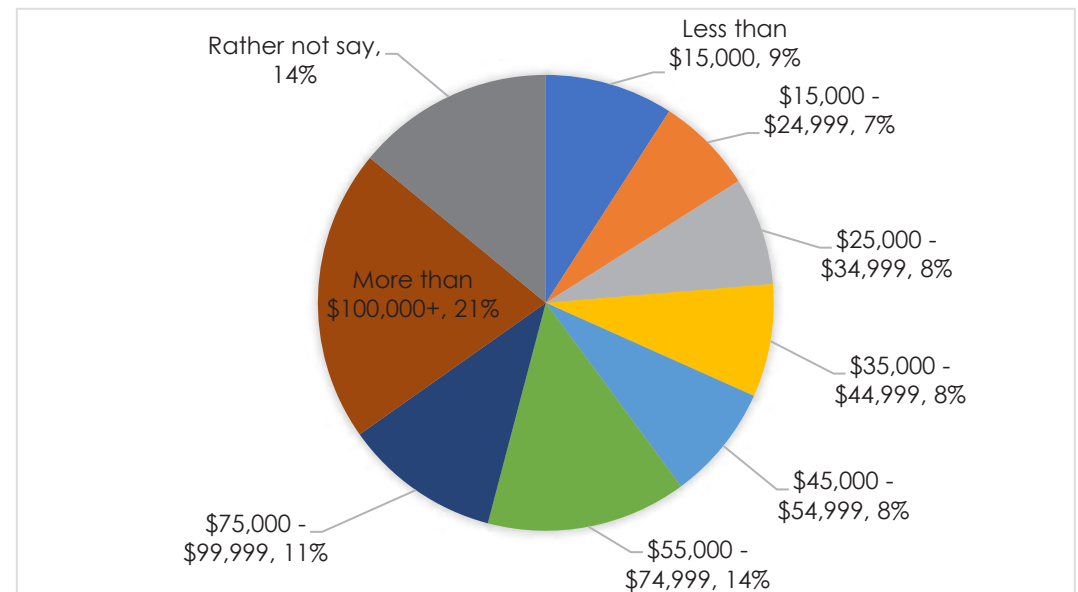
**Figure 20 – What best describes your ethnicity?**



### Annual Income

**Figure 21** displays the income levels of respondents. The largest group of respondents reside in households with a total income of at least \$100,000 annually. Approximately 9 percent of respondents have a total household annual income of less than \$15,000.

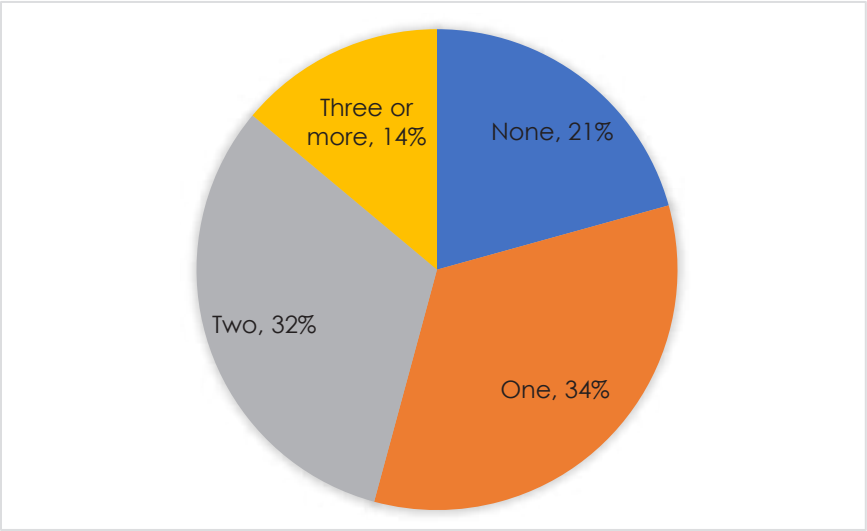
**Figure 21 – What is Your Household Approximate Total Income?**



**Household Vehicles**

As shown in **Figure 22**, approximately 21 percent respondents do not have a working vehicle at home. 34 percent have one working vehicle while 32 percent have two working vehicles.

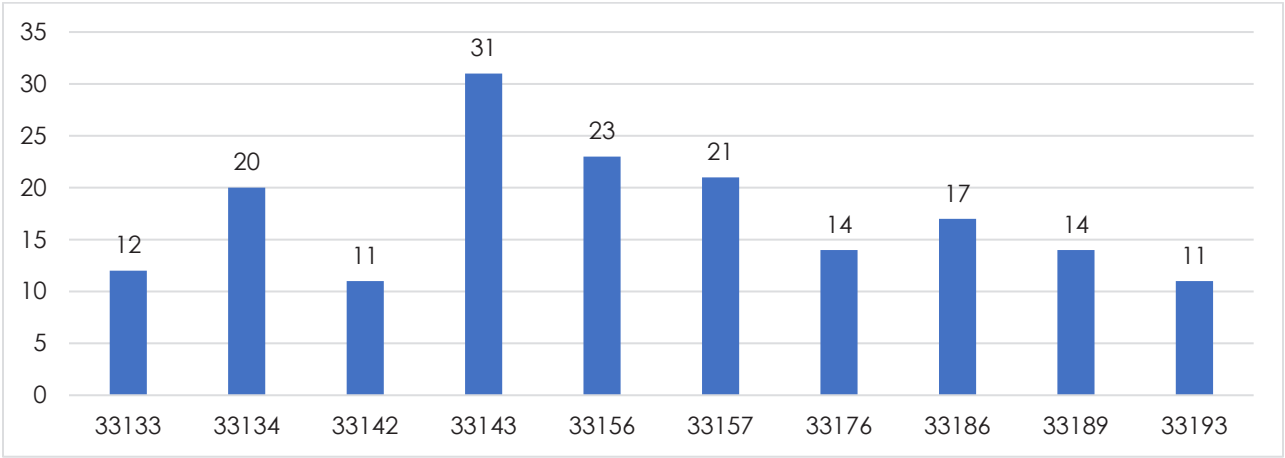
**Figure 22 – How Many Working Motor Vehicles Are Available in Your Household?**



**Zip Code**

Figure 23 lists the top ten most frequently reported zip codes among survey respondents.

**Figure 23– Where Do You Typically Start and End Your Trip?**



## GENERAL COMMENTS

When asked if there were any other comments respondents would like to share with MDT, many respondents chose to do so. The following themes were noted:

- **Service Expansions:** Respondents were supportive of expansions in Metrorail service all throughout the county.
- **Disfavor with Sales Tax Results:** Respondents generally disagree with the idea that the prior sales tax referendum was used to improve service. Furthermore, many respondents expressed dissatisfaction over how these funds were allocated, with some even suggesting that funds were misappropriated
- **Improve Service Reliability:** Many respondents voiced concerns over the lack of reliable service due to technical and operational issues.
- **Cleaner Buses and Trains:** Survey respondents advocated for improved maintenance services on trains and buses and asked for sanitation stations to be provide on transit services.
- **Improve On-time Performance:** By improving the ability for transit services to remain on schedule, respondents agreed travel would be much easier for riders.
- **Security Enhancements:** Riders expressed a need for improved station security, at parking facilities and on transit vehicles themselves.
- Other Key Themes, less commonly expressed, yet still reported by at least a dozen respondents include:
  - The need for more rail, not buses, because it avoids traffic
  - Provide more exclusive bus lanes
  - Have better contingency plans in times of breakdown
  - Provide shaded waiting areas
  - New trains should be purchased because the current ones are deteriorating
  - Resources should be devoted to improving peak-hour frequencies
  - Facility improvements including more reliable elevators/escalators, adding air conditioning/fans, fixing bus announcement and signage, as well as adding public restrooms
  - Provide bus shelters for bus stops that don't have them





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