



# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Work Order #GPC IV-30

**Final Report:** Survey Implementation and Summary of Raw Data



PREPARED FOR



PREPARED BY



Kimley-Horn and Associates, Inc.



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September 2012

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# ORIGIN-DESTINATION SURVEYS for Local Bus Service

## 1. Introduction

The U.S. Federal Transit Administration (FTA) has guidelines for data collection and recommends that transit on-board surveys be conducted every five years. The Miami-Dade County Metropolitan Planning Organization (MPO) is conducting a series of transit ridership on-board surveys in Miami-Dade County to support the regional transit modeling efforts. The current Origin-Destination Surveys for Local Bus Service (Survey) study is the third of five efforts needed to complete on-board surveys for the entire Miami-Dade Transit (MDT) system. The MPO has previously completed the Miami-Dade Metrorail Transit Survey (2009) and the Origin Destination Study for the 95 Express (2012). These surveys are intended to obtain more accurate ridership characteristics, such as origin-destination patterns trip purpose and mode of access and egress. A survey instrument was developed in consultation with the MPO and MDT to ensure the collection address their specific data needs, including information on socioeconomic characteristics and transit travel patterns of current transit riders. The survey questions were targeted to provide insight into trip purpose, modes of travel, origin-destination patterns, modes of payment and other demographic information. The survey data will be used to update and validate the Southeast Regional Planning Model (SERPM) and will be used in the developing the Activity Based Model for the region. The ridership survey data serves to improve regional travel demand model forecasts based upon accurate and useful data on the existing characteristics and travel patterns of transit riders.

### 1.1 Miami-Dade Transit Local Bus Routes

On-board surveys were conducted systematically over a three-week period in April 2012 for 22 bus local routes served by the MDT Northeast Division Garage. The survey period was specifically selected to account for a broad range of typical riders, in advance of the end of the school year, and surveys were conducted mid-week generally between the hours of 6:00 am and 7:00 pm. This survey effort excluded the 95 Express bus routes that were completed under the prior 95 Express survey effort and the 246 Night Owl. A table of the bus routes and survey schedule is included in Table 1.

### 1.2 Survey Project Scope

The project scope focused on primarily on survey methodology development, survey instrument design, survey implementation, and database development. The final product is a database containing survey data collected. An initial raw data set was compiled and a preliminary geocoding effort was completed based on the raw data. A revised shapefile and dataset was completed on the raw survey data results and based on an additional review and cleanup effort. The subsequent geocoding effort is documented by a map series located in *Section 8. Trip Origin-Destination Maps by Route* of this summary report.

The following summary report outlines general findings and summary results. The survey effort does not include data expansion, correction of biases, if any, or conversion of origin-destination format to a productions and attractions format. Additional future data processing and editing is expected to be required.



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## 2. Survey Design

### 2.1 Sampling Plan

The survey was conducted over the course of three weeks in April 2012 on Tuesday, Wednesday, and Thursday generally between 6 am to 7 pm. The survey accounted for inbound and outbound directional service (i.e., northbound, southbound, eastbound, and westbound). A sampling target was set at surveying ten percent (10%) of daily ridership per route for each of the three time periods (AM peak, PM peak and off-peak), and with careful attention placed in acquiring a balance of inbound and outbound surveys for each time period. Survey teams usually completed round-trips along the surveyed bus routes usually originating from the NE Division Garage, Golden Glades, route terminus or a specific bus stop location.

Table 1 summarizes the overall survey schedule and Table 2 summarizes actual survey rate.

**Table 1: Survey Dates**

Route #	Route Name	Survey Date	Day of Week
2	2	April 11, 2012	Wednesday
3	3	April 17 and 25, 2012	Tuesday, Wednesday
9	9	April 12, 2012	Thursday
10	10	April 12, 2012	Thursday
16	16	April 12, 2012	Thursday
17	17	April 17, 2012	Tuesday
19	19	April 11, 2012	Wednesday
22	22	April 18 and 25, 2012	Wednesday, Wednesday
27	27	April 10 and 18, 2012	Tuesday, Wednesday
29	29	April 10 and 17, 2012	Tuesday, Tuesday
75	75	April 10, 2012	Tuesday
77	77	April 11, 2012	Wednesday
93	Biscayne MAX	April 17, 2012	Tuesday
97	27 Ave MAX	April 10, 2012	Tuesday
99	99	April 18, 2012	Wednesday
105	E	April 18 and 25, 2012	Wednesday, Wednesday
107	G	April 18, 2012	Wednesday
108	H	April 18, 2012	Wednesday
119	S	April 19 and 25, 2012	Thursday
135	135	April 19, 2012	Thursday
183	183 Local	April 19, 2012	Thursday
277	NW 7 Ave MAX	April 11, 2012	Wednesday



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## 2.2 Survey Questionnaire

The survey questionnaire was developed in coordination with the MPO and MDT. The survey was prepared as a two-sided, letter-sized questionnaire in English, and with translated copies in Spanish and Creole languages. A copy of the printed survey questionnaire is located in Appendix A.

The survey included 25 questions that were intended to provide a comprehensive information base for several different categories:

- Travel patterns (origin and destination)
- Trip purpose
- Mode of access
- Trip characteristics
- Travel behavior
- Frequency of transit use
- Fare payment method
- Household characteristics
- Passenger demographics
- Gender and disability status

Based on past experiences in acquiring quality survey data in Miami-Dade County, the surveys were completed through one-on-one, on-board transit rider interviews by a multilingual survey team surveys using handheld electronic iPad tablets. The electronic survey corresponded directly to the printed survey questions and the survey software application was configured to facilitate consistent data entry. The personal interviews were used to improve the response rate, quality and consistency of data, and better survey the diversity of transit riders. The survey team included English, Spanish and Creole speaking staff, and had printed copies of the survey instrument available in the three languages for reference. Screenshots of the electronic survey are located in Appendix B.

The electronic iPad survey devices each contained a unique identifier, and were reflected in the electronic surveys. Each device was entered in a daily log that enabled correlating survey devices with specific survey team members, routes and schedules. The electronic survey data included date and time stamps, and corresponding iPad device numbers.

## 2.3 Methodology

The data collection effort focused on entering transit rider survey interview responses. Advance planning and survey preparation was critical to the project success. MDT bus rotaries and passenger count data summaries were analyzed to develop an initial survey work plan. The survey work plan was prepared to determine the appropriate level of staffing needed for each route based on estimated ridership, anticipated response rates, and bus schedules. The work plan was prepared to achieve the ten percent target of valid surveys compared to the route's average daily ridership. Electronic survey data results were



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reviewed during the survey period and allowed for adjustment and reallocation of survey teams to better meet survey target rates.

Survey questions included multiple choice responses and data entry fields. The first nine survey instrument questions, related to the rider's trip purpose, mode and travel patterns, were mandatory and a response was required before being able to proceed to the next question.

The first nine questions covered key information required for this study, as follows:

- Trip origin – type of place and address or intersection
- Trip purpose
- Trip sequence
- Mode of access/egress
- Parking or park-and-ride locations
- Bus boarding and alighting location
- Trip destination – type of place and address or intersection

Subsequently, sixteen non-mandatory questions helped gain additional information. The response rate was dependent upon the time available and willingness to respond. Many surveys contain phone numbers for future use, if necessary.

All transit riders surveyed participated willingly and were asked to provide consent prior to conducting the interview. Transit rider survey participation was noted as part of the electronic survey to be able to compute response rates.



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## 3. Implementation

### 3.1 Training

A training session was held on April 9, 2012 at Miami-Dade College North Campus for the team leaders and the survey team. The training session was conducted to familiarize the entire survey team with the project objectives, survey format, survey methods, and to provide hands-on instruction, informational materials, and to answer questions. While some of the team members had prior surveying experience, most did not.

The training consisted of several parts:

- Project Overview
- Instructions & Key Factors
- Sample Survey Exercise using iPad
- Assignment Logistics

The project overview was a brief introduction to the project, including the purpose of the survey and an explanation of the questions. The instructions and key factors were explained to the team members. The expectations of the behavior were presented and discussed. A mock survey was completed with the iPad to help the team members familiarize themselves with the technology, survey questions and survey techniques. Survey teams were assigned and logistics were explained.

### 3.2 Survey Implementation

The survey was managed by Kimley-Horn and Associate, Inc. (KHA) professionals and staffed using seven (7) on-board survey teams. Each survey teams was led by professionals from KHA or sub-consultant, R.J. Behar & Company, Inc., who served as team leaders, and supported by a team of approximately 30 temporary staff from StaffingNow, a vendor. Each survey team leader was accompanied by approximately two to four staff. The survey team was distinguished by an identification badge and a t-shirt labeled with "Survey Crew."

This survey was administered on April 10-12, April 17-19, and April 25. Teams were distributed on select routes and runs on each of the designated survey days to improve survey response rate, and to best achieve survey targets for each route. The last survey date was used to address lower than anticipated survey response targets for select routes.

Survey teams were pre-assigned to specific routes and bus runs covering the survey schedule. Survey team members met at a designated central location before proceeding to and boarding the assigned bus at the pre-defined location, such as the NE Division Garage, Golden Glades or Aventura Mall.

The survey team members were each assigned their electronic iPad device with a unique identifier that was recorded in a daily log. The teams boarded the bus and the team leaders were positioned at the front of



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the bus or circulated through the bus to survey riders and manage their respective teams. The rest of the survey team was spaced out through the bus and conducted interviews with passengers.

Survey teams had printed, laminated surveys in three languages (English, Spanish and Creole) to use as visual aids and reference for passengers being interviewed. Each survey team member had access to a transit map on their electronic device, and cards to provide to passengers who have questions or comments directing them to the Miami-Dade County website or the County's 311 contact number. Printed surveys were available in each of the three languages, if needed, and identified by a unique serial number.

Before beginning the interview, the survey team would enter the bus route number and the direction (inbound/outbound) that the bus was travelling. The iPad device was loaded with "*Random #*", a random number generating iPad application, to help reduce interviewer selection bias. After passengers boarded at a stop, "*Random #*" was to be used to identify their first targeted person to interview, while subsequent interviews could be conducted with adjacent passengers. In practice, the buses were sufficiently staffed so that the survey team interviewed or requested an interview from most or all transit riders on the bus.

The surveyors actively engaged as many bus patrons as they could to complete the maximum amount of valid surveys possible. The survey team asked the potential participant if they would mind answering a few questions. Following verbal consent to be interviewed, the survey team would conduct the survey and enter responses into the iPad. If the person did not wish to participate in the survey, the negative response would be recorded to complete the survey and the survey team would proceed to approach a new transit rider.

The iPads were collected by the team leaders at the end of every survey day, and the information was uploaded to the survey database to be organized and analyzed at a future date.



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## 4. Minimizing and Mitigating Non-Response Bias

### 4.1 Survey Instrument

Survey instruments play a crucial role in reducing non-response bias. The use of an iPad as the survey instrument and using trained survey interviewers served to increase the response rate and to improve the quality and validity of survey data. As a backup, hard copies of the survey were prepared in three languages, each containing a unique serial number, in case of any mechanical failures or other unanticipated issue in administering the survey. The electronic survey instrument was prepared in English, but the multilingual survey team administered the survey in English, Spanish, Creole, and French, translated the questions, and recorded the answers directly into the iPads.

### 4.2 Implementation

To mitigate non-response bias for this project, the project methodology included:

1. Developing an easy-to-use survey instrument with simple understand questions
2. Selecting survey team members with prior survey experience
3. Selecting and training survey team members to effectively conduct the survey
4. Directly engaging transit riders to take the survey
5. Actively managing survey teams to engage transit riders
6. Adequately staffing bus routes depending on anticipated ridership
7. Making staffing adjustments to address non-performing survey team staff

Several of the team members were selected based upon experience conducting similar surveys in the past, their grasp on what was necessary to complete a successful survey, and their ability to perform. A training session was completed prior to the actual on-board surveys. Team members were instructed during the training on how to approach people, present themselves and conduct the surveys. They were provided with background information and simple, sample statements to use, and they participated in a trial survey exercise using all of the survey materials. The team was provided a target goal of the number of people to approach for a survey. The team leaders managed their teams and conducted interviews with transit riders.

The time spent completing the survey interview generally ranged from 5 minutes to 15 minutes for each transit rider.

Table 2 summarizes the percent of daily ridership surveyed by route number.



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Table 2: Percentage Surveyed of Daily Ridership by Route Number

Route	Average Daily Ridership*	Percentage of Daily Ridership
2	3,501	7.2%
3	8,586	12.2%
9	7,413	9.3%
10	2,869	14.5%
16	3,313	16.0%
17	5,074	8.2%
19	2,664	8.3%
22	5,228	13.2%
27	11,048	9.6%
29	1,003	8.8%
75	2,477	12.5%
77	10,893	8.5%
93	4,143	9.3%
97	1,495	12.3%
99	2,213	8.2%
105	1,790	11.7%
107	2,152	14.2%
108	2,202	6.7%
119	13,994	6.7%
135	1,769	10.1%
183	4,457	9.4%
277	1,174	16.5%

**10** routes exceeded targeted goals to survey 10% of daily ridership

Source: \*Miami-Dade Transit Ridership Technical Report, September 2011



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## 5. Survey Response

### 5.1 Overall Response

While over 9795 passengers were approached by the survey teams during the seven survey days, 4700 transit riders elected to participate in the survey and completed the minimum nine origin-destination questions. A 48% response rate was calculated by dividing the number of survey responses by the number of people approached to complete the survey.

The 4700 completed surveys make up the data set in use here. Table 3 shows the breakdown of surveys by bus route.

**Table 3: Survey Response Rate by Bus Route**

Route Number	Attempted Surveys	Completed Surveys	Percent Completed
2	253	167	66.0%
3	1047	351	33.5%
9	690	303	43.9%
10	412	216	52.4%
16	531	238	44.8%
17	414	224	54.1%
19	220	126	57.3%
22	688	205	29.8%
27	1061	670	63.2%
29	89	48	53.9%
75	310	143	46.1%
77	931	424	45.5%
93	384	232	60.4%
97	184	98	53.3%
99	183	114	62.3%
105	210	86	41.0%
107	307	91	29.6%
108	147	121	82.3%
119	942	482	51.2%
135	177	96	54.2%
183	422	175	41.5%
277	193	90	46.6%
Total	9795	4700	



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## 6. Data Editing and Processing

### 6.1 Data Compilation

The electronic survey data was compiled on the survey application website (iSurvey) and downloaded in a Microsoft Excel format file. The survey application database was prepared and tested prior to conducting the on-board surveys to ensure proper compilation, reporting, and data formatting. The electronic survey eliminated the additional requirement for data entry of paper surveys; no paper surveys were requested or completed.

The data was uploaded each night from the iPads to the survey website, compiled, reviewed and evaluated to determine the response rate by route. Following the completion of the surveys, the compiled data was downloaded and reviewed to identify overall errors and prepared for minor cleanup.

The data file is organized with rows representing separate surveys and columns organizing each question and the corresponding responses. Additional survey data fields include the iPad device number, date and time stamp for each entry, as well as survey team entered data (i.e., bus route and direction of travel).

### 6.2 Preliminary Data Results

As part of initial data compilation and review, the route numbers were verified by cross referencing the iPad device number, data and time of entry, and survey schedule to ensure that the surveys reflected the correct bus route and travel direction. A very small percentage of surveys required that the entry for the bus route be revised, but a larger percentage required adjusting inbound and outbound entries; direction of travel was not critical but this information provides some insight into origin-destination travel patterns.

An initial geocoding effort was prepared using the raw data. The initial maps provided an initial graphic illustration of travel patterns for each bus route. However, the results illustrated the need for some data clean-up. While the electronic surveys reduced secondary data entry error from transcribing paper surveys, they did not preclude transit rider misleading responses or errors, or eliminate data entry errors from survey team members. Upon review of the raw data file, data errors included incorrect typographical spelling for street names and other similar factors.

### 6.3 Data Review and Revision

A data review and revision effort was prepared on the completed surveys to improve data quality and validity of surveys. A series of subsequent geocoding efforts was completed to correct data entries and map the revised data.



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The Origin and Destination locations were reviewed and revised based on:

- Documented origin and destination locations (name of place, business, or attraction)
- Street name description
- Street and block number
- Logical directional attribute compared to street name
- Bus route and relative geographic location
- Logical trip sequence
- Boarding and alighting locations
- Reference and address verification using online maps

While transit riders were often apprehensive in providing their home or work addresses, the block number was often provided or entered. Survey respondents may not have accurately provided origin, destination, boarding and alighting locations, which may need to be further verified. Data revisions completed during the data revision process were limited to origin and destination intersections and addresses, and did not include the boarding and alighting data.

Section 8 of this report contains the origin and destination data maps.



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## 7. Summary of Raw Data

### 7.1 Survey Data

The following section presents a table and pie chart for each question quantifying the frequency of stated responses received for the total of all of bus routes. Questions with qualitative answers were not included in this section summary and responses for each bus route were not illustrated in this section. Each tabulated summary maintains a total 4,700 responses and indicates the quantity of invalid or no response to avoid providing an extrapolated generalized trend.

The following consists of the final list of questions and serve as the basis of this summary:

1. Where did you begin this one-way trip?
2. What is the address or intersection where you began this one-way trip?
3. Please list all the bus routes and trains you will use during this one-way trip?
4. How did you get to the first transit stop?
5. Where did you get on this bus?
6. Where will you get off this bus?
7. Where will you end this one-way trip?
8. What is the address or intersection of the place where you are going to end your one-way trip?
9. After your last transit trip, how will you get to the end of your one-way trip?
10. How many days per week do you make this trip?
11. What is the average time it takes to make a one-way trip from door to door?
12. What is the fare type that you used for this one-way trip?
13. Does your employer pay any or all of your bus fare?
14. Do you have a valid driver's license?
15. Is there a car / vehicle available you can use for this trip?
16. How many working, registered motor vehicles (cars, motorcycles, trucks) are owned by members of your household?
17. Gender?
18. My race is best described as?
19. What is your household's approximate total annual income?
20. Including you, how many people live in your house?
21. Including you, how many are less than 16 years old?
22. Including you, how many are over 65 years old?
23. Including you, work outside of your house?
24. What is the highest level of education you have completed?
25. What is your current employment status?
26. Can you provide a phone number, in case we need to clarify your responses?



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## 7.2 Data Summary

While questions one through nine were mandatory and each have a 100 percent response rate, the remaining questions continued to have strong response rates, which likely corresponds to conducting a personal interview survey process.

Based on the tabulated results, the following observations can be made:

- Trip origins tend to be home-based since more than 53% of survey trips originate from home locations and 18% from work locations.
- Trip destinations have a greater distribution with surveyed trips ending at home representing 36% and at work representing 26%, respectively.
- 56% of transit trip are made using only one bus route, while 32% of trips are made with one transfer.
- Approximately 19 out of 20 transit riders walked to access transit and about two-thirds walked less than one quarter mile to their first or from their last transit stop.
- About 70% of respondents traveled up to 70 minutes for a one-way trip.
- Nearly two-thirds of respondents used cash or a cash value fare card for payment.
- Nearly 50% of respondents indicated they did not possess a valid driver's license.
- About two-thirds of respondents did not have a vehicle available for their trip.
- Nearly 50% of respondents were between the ages of 16 and 34 years of age.
- About one-half of respondents identified themselves as Black / African-American, while one-third identified themselves as Spanish / Hispanic / Latino.
- While 50% surveyed did not provide income level information, about 40% of those who did respond reported an annual household income less than \$16,500 and another 20% earned between \$16,500 and \$22,000. About 3% of respondents earned over \$75,000 per year.
- Over 25% of all survey participants provided their phone number.

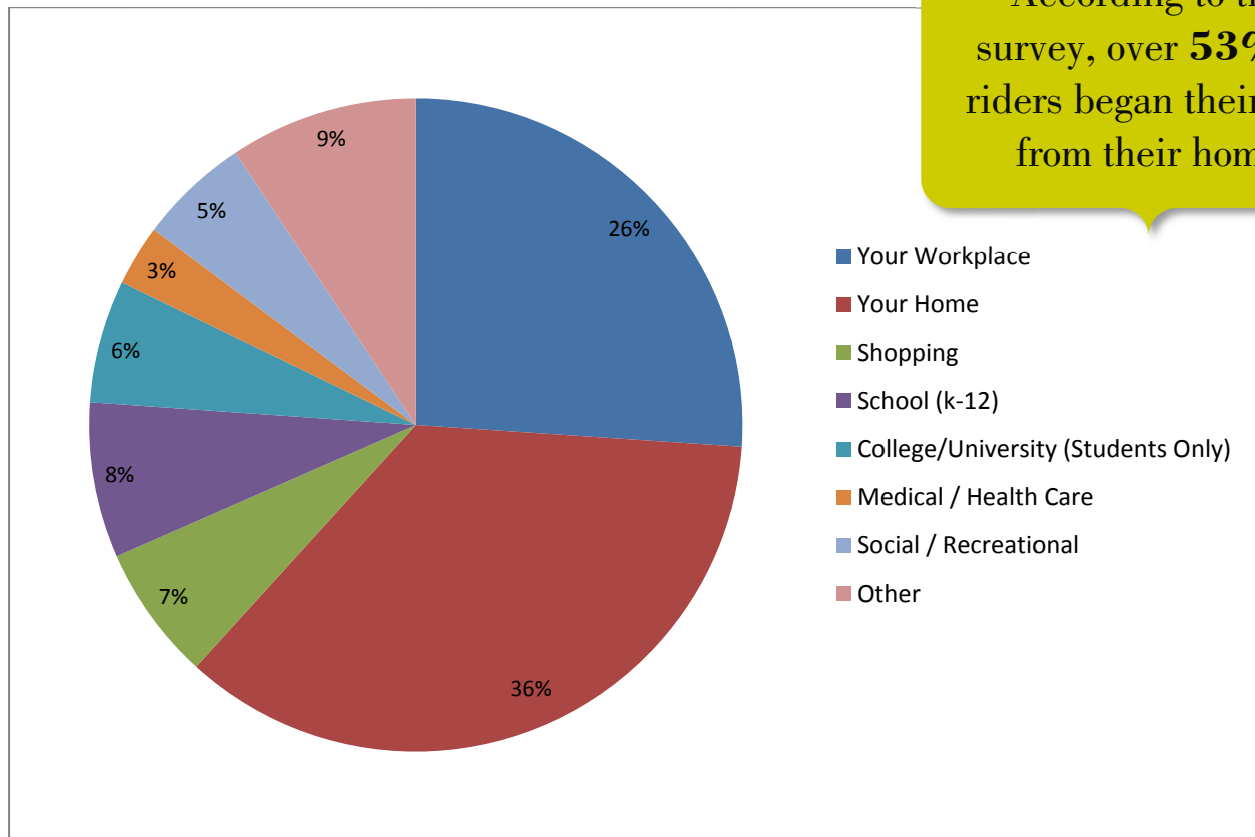


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Table 4: (Q1) Where did you begin this one-way trip?

Description	Frequency	AM Peak	PM Peak	Off Peak
Your Workplace	825	91	387	347
Your Home	2506	1332	179	995
Shopping	235	19	89	127
School (K-12)	379	42	145	192
College/University (Students Only)	224	33	53	138
Medical / Health Care	124	8	25	91
Social / Recreational	162	26	36	100
Other	246	37	48	161
<b>Total</b>	<b>4700</b>			

Figure 1: (Q1) Where did you begin this one-way trip?





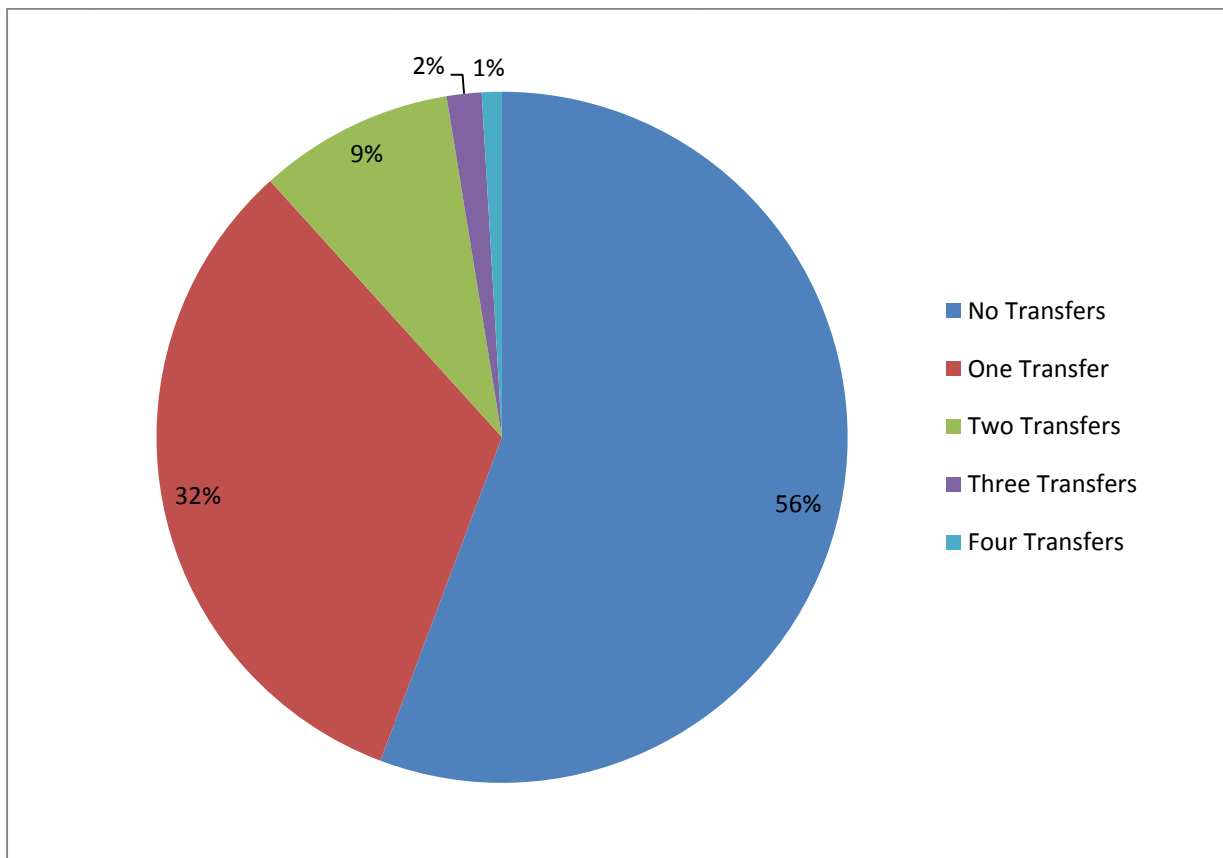
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Table 5: (Q3) How many bus transfers will you make during this one-way trip?

Description	Frequency
No Transfers	2619
One Transfer	1531
Two Transfers	429
Three Transfers	77
Four Transfers	44
Total	4700

**56%** of the respondents did not make any transfers during this one-way trip

Figure 2: (Q3) How many bus transfers will you make during this one-way trip?





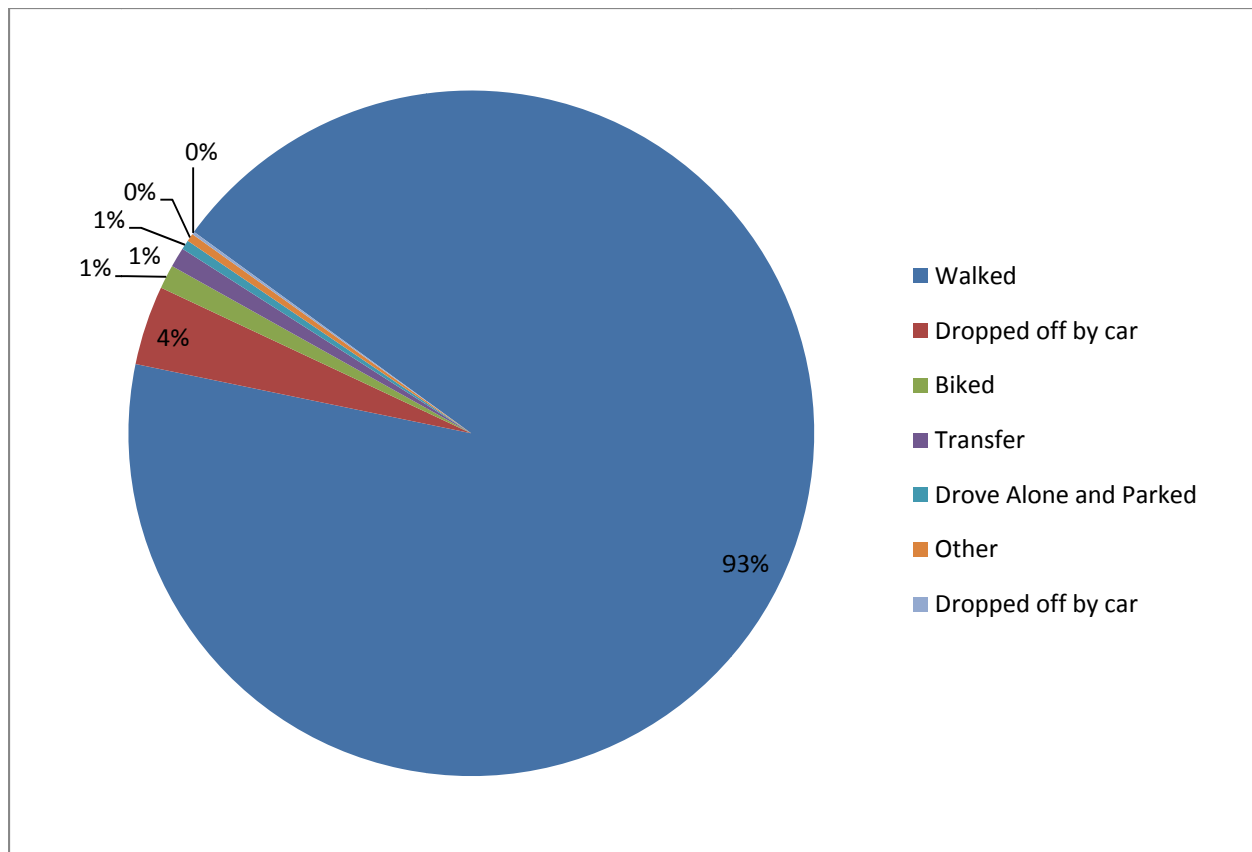
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 6: (Q4) How did you get to the first transit stop?

Description	Frequency
Walked	4384
Dropped Off by Car	176
Biked	53
Transfer	44
Drove Alone and Parked	21
Other	18
Dropped Off by Car	6
<b>Total</b>	<b>4700</b>

Nearly every  
transit rider  
surveyed walked  
to the first stop:  
**93%**

Figure 3: (Q4) How did you get to the first transit stop?





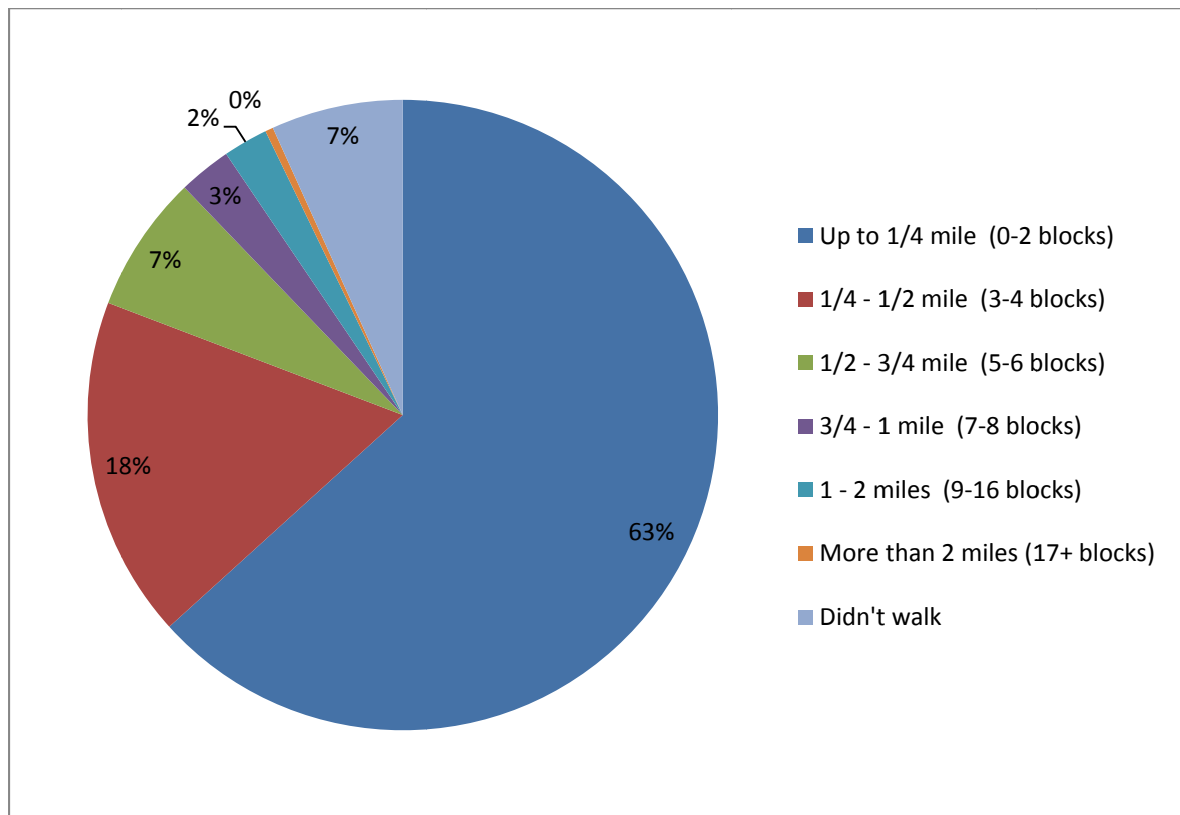
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 7: (Q4) If you walked, how far did you travel to get to the first stop?

Distance	Frequency
Up to 1/4 mile (0-2 blocks)	2974
1/4 - 1/2 mile (3-4 blocks)	823
1/2 - 3/4 mile (5-6 blocks)	331
3/4 - 1 mile (7-8 blocks)	127
1 - 2 miles (9-16 blocks)	108
More than 2 miles (17+ blocks)	19
Didn't walk	318
<b>Total</b>	<b>4700</b>

Of the people who walked, **63%** traveled up to ¼ mile to their first transit stop

Figure 4: (Q4) If you walked, how far did you travel to get to the first stop?



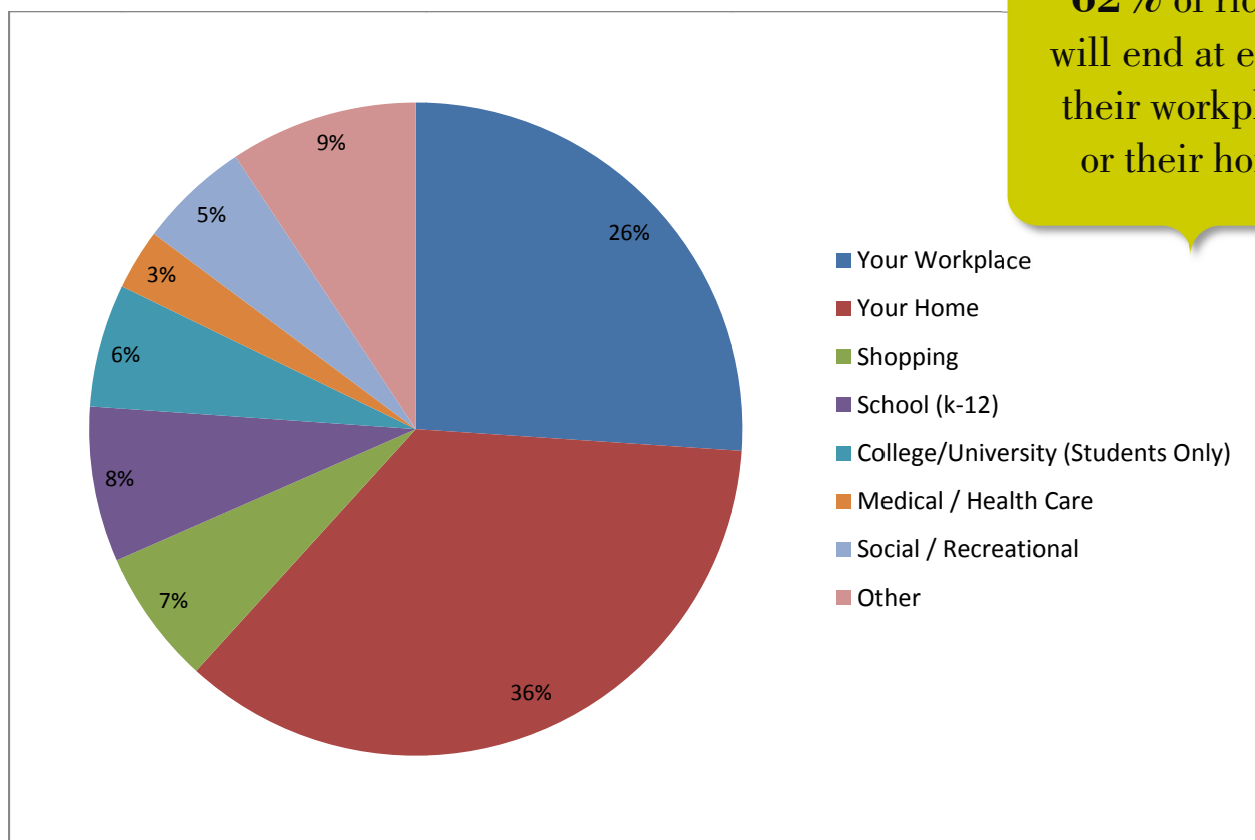


# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 8: (Q7) Where will you end this one-way trip?

Description	Frequency	AM Peak	PM Peak	Off Peak
Your Workplace	1224	707	75	442
Your Home	1675	149	666	860
Shopping	314	60	61	193
School (K-12)	361	272	11	78
College / University (students only)	286	153	26	107
Medical / Health Care	141	64	2	75
Social / Recreational	258	67	56	135
Other	437	115	65	257
<b>Total</b>	<b>4700</b>			

Figure 5: (Q7) Where will you end this one-way trip?



**62%** of riders  
will end at either  
their workplace  
or their home



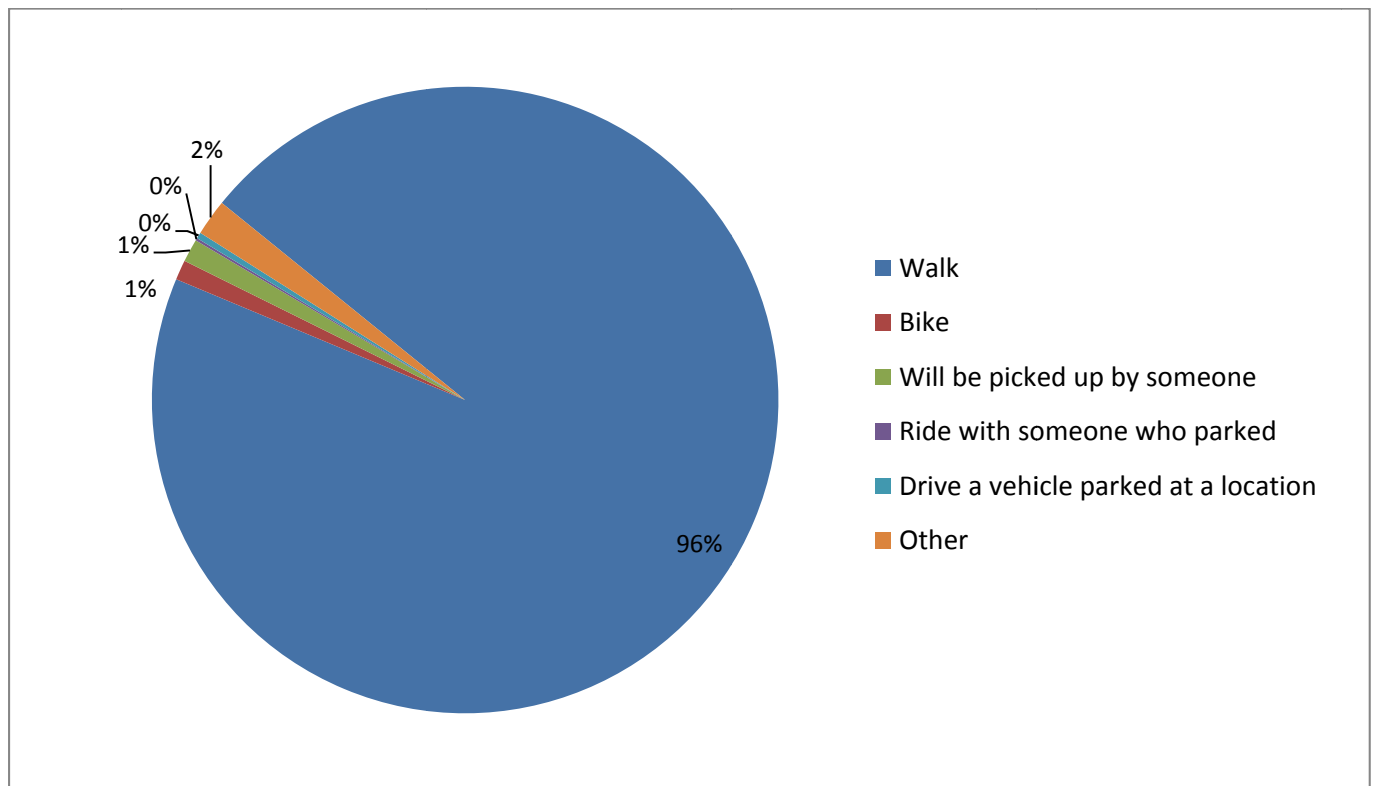
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 9: (Q9) After your last transit trip, how will you get to the end of your one-way trip?

Description	Frequency
Walk	4487
Bike	48
Will be picked up by someone	56
Ride with someone who parked	6
Drive a vehicle parked at a location	15
Other	88
<b>Total</b>	<b>4700</b>

An overwhelming majority of people walked to their final destination:  
**96%**

Figure 6: (Q9) After your last transit trip, how will you get to the end of your one-way trip?





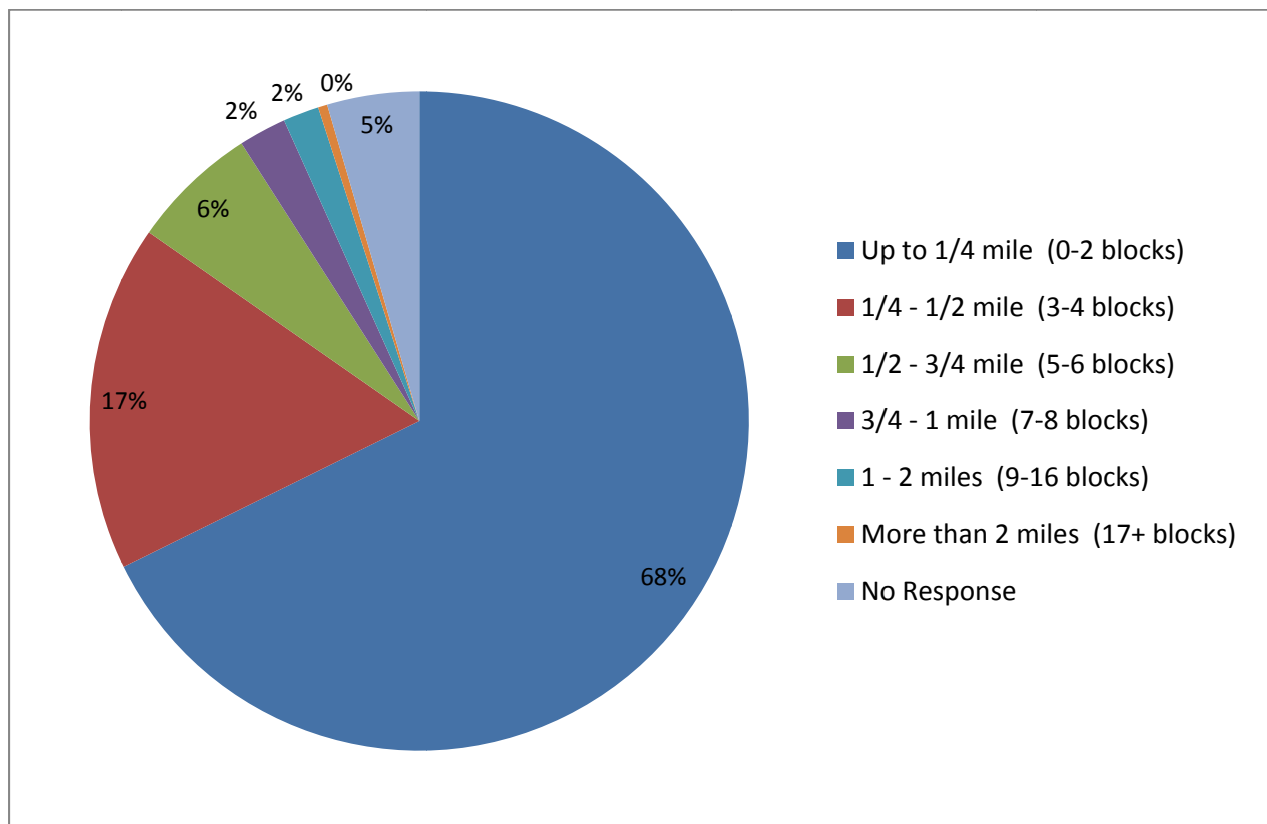
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 10: (Q9) If you walked, how far did you travel to get to the end of your one-way trip?

Description	Frequency
Up to 1/4 mile (0-2 blocks)	3182
1/4 - 1/2 mile (3-4 blocks)	799
1/2 - 3/4 mile (5-6 blocks)	293
3/4 - 1 mile (7-8 blocks)	110
1 - 2 miles (9-16 blocks)	83
More than 2 miles (17+ blocks)	21
Didn't walk	213
<b>Total</b>	<b>4700</b>

**68%** of riders  
walked 1/4 of a mile  
or less to get to  
their final  
destination

Figure 7: (Q9) If you walked, how far did you travel to get to the end of your one-way trip?





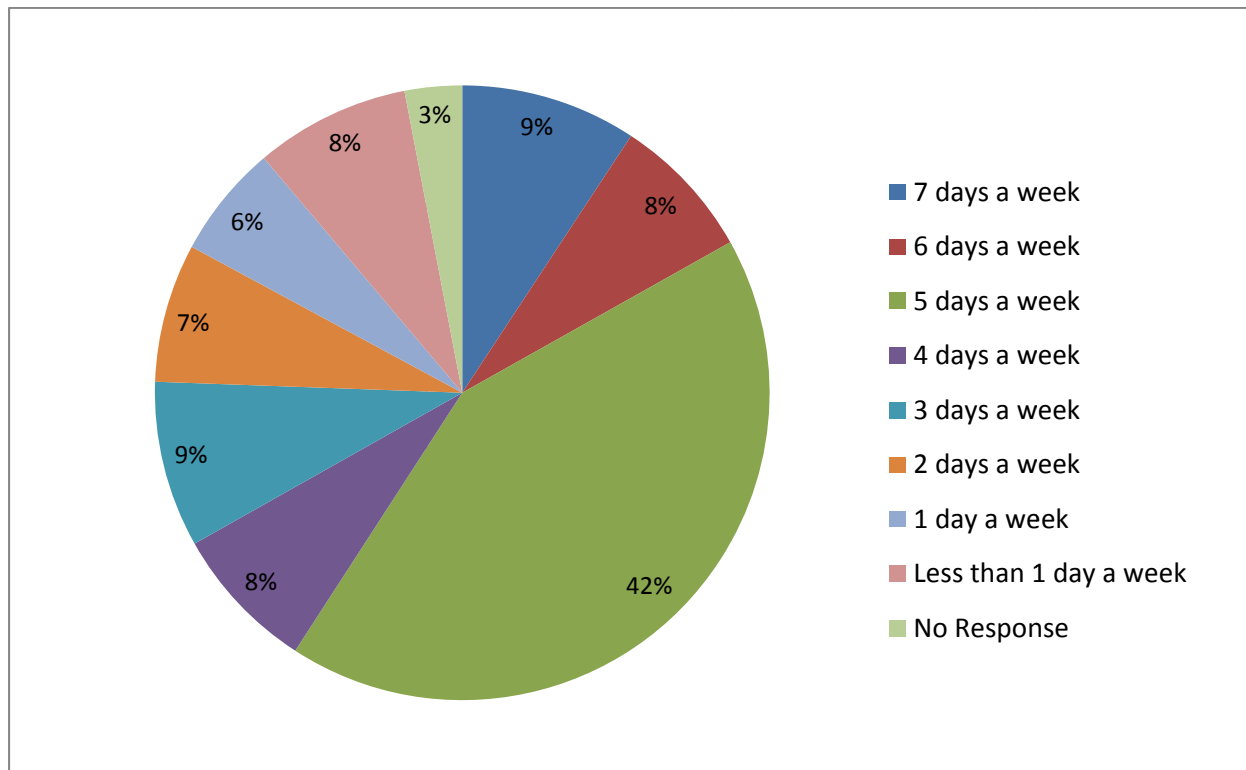
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 11: (Q10) How many days per week do you make this trip?

Description	Frequency
7 days a week	435
6 days a week	357
5 days a week	1988
4 days a week	361
3 days a week	411
2 days a week	343
1 day a week	280
Less than 1 day a week	383
No Response	142
<b>Total</b>	<b>4700</b>

While there was a relatively even distribution among most of the options, **42%** of people made their trip 5 days a week

Figure 8: (Q10) How many days per week do you make this trip?





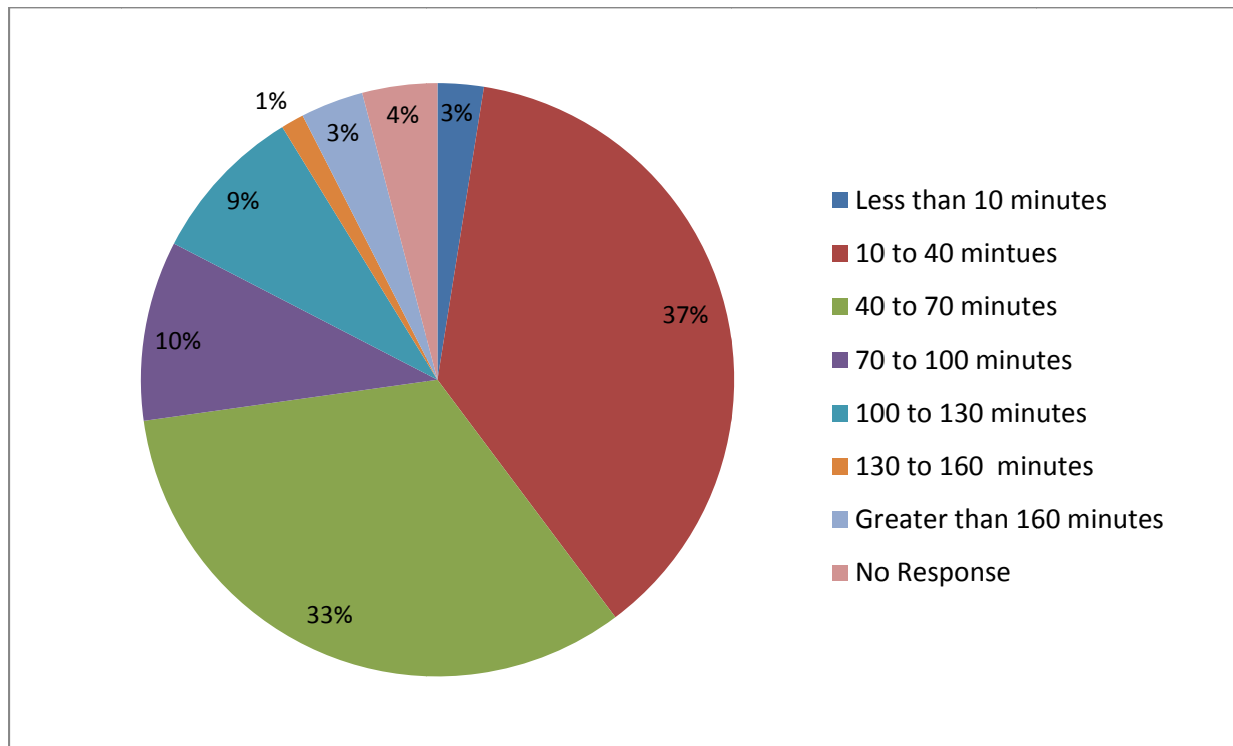
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 12: (Q11) What is the average time it takes to make a one-way trip from door to door?

Description	Frequency
Less than 10 minutes	118
10 to 40 minutes	1751
40 to 70 minutes	1552
70 to 100 minutes	461
100 to 130 minutes	406
130 to 160 minutes	59
Greater than 160 minutes	161
No Response	192
<b>Total</b>	<b>4700</b>

The majority of respondents spend somewhere between 10 and 70 minutes on their one-way trip

Figure 9: (Q11) What is the average time it takes to make a one-way trip from door to door?





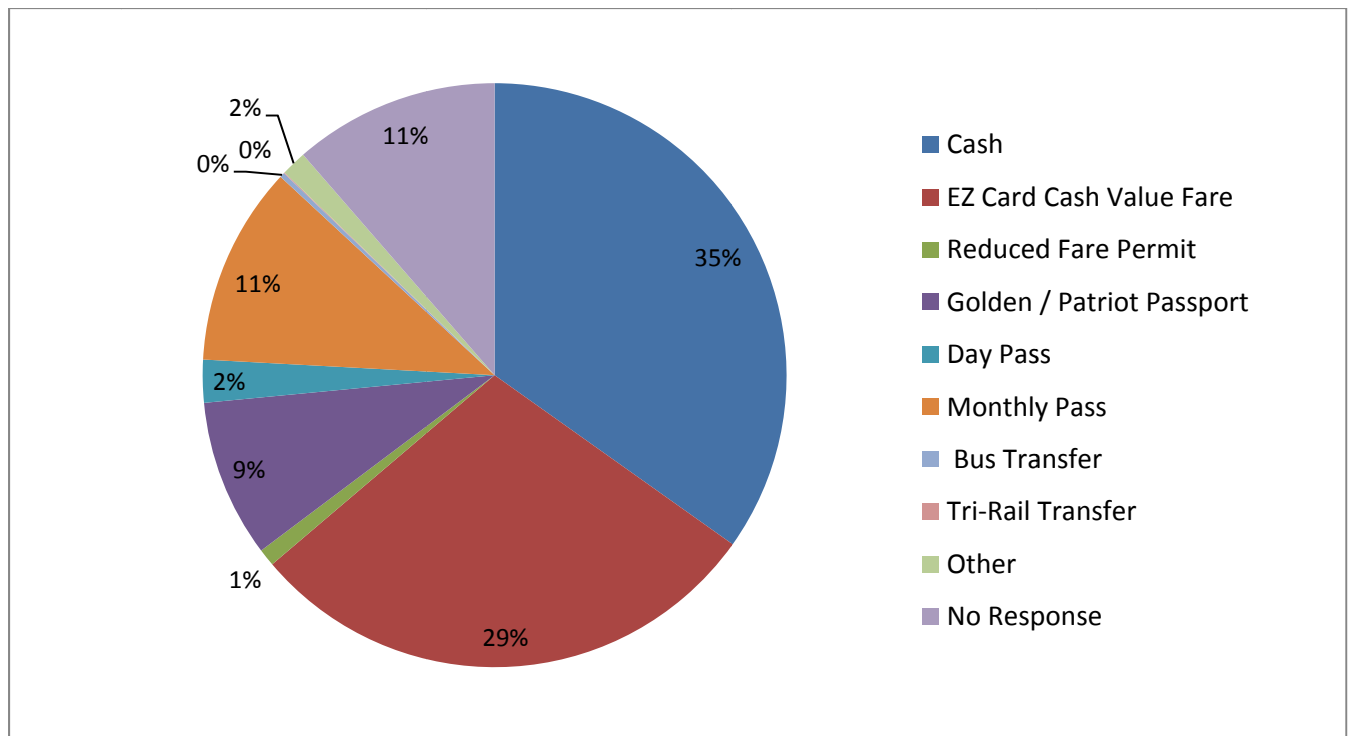
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 13: (Q12) What is the fare type that you used for this one-way trip?

Description	Frequency
Cash	1637
EZ Card Cash Value Fare	1361
Reduced Fare Permit	45
Golden / Patriot Passport	411
Day Pass	111
Monthly Pass	519
Bus Transfer	13
Tri-Rail Transfer	2
Other	66
No Response	535
<b>Total</b>	<b>4700</b>

Cash is the favored type of payment, followed closely by the EZ Card Cash Value Fare

Figure 10: (Q12) What is the fare type that you used for this one-way trip?





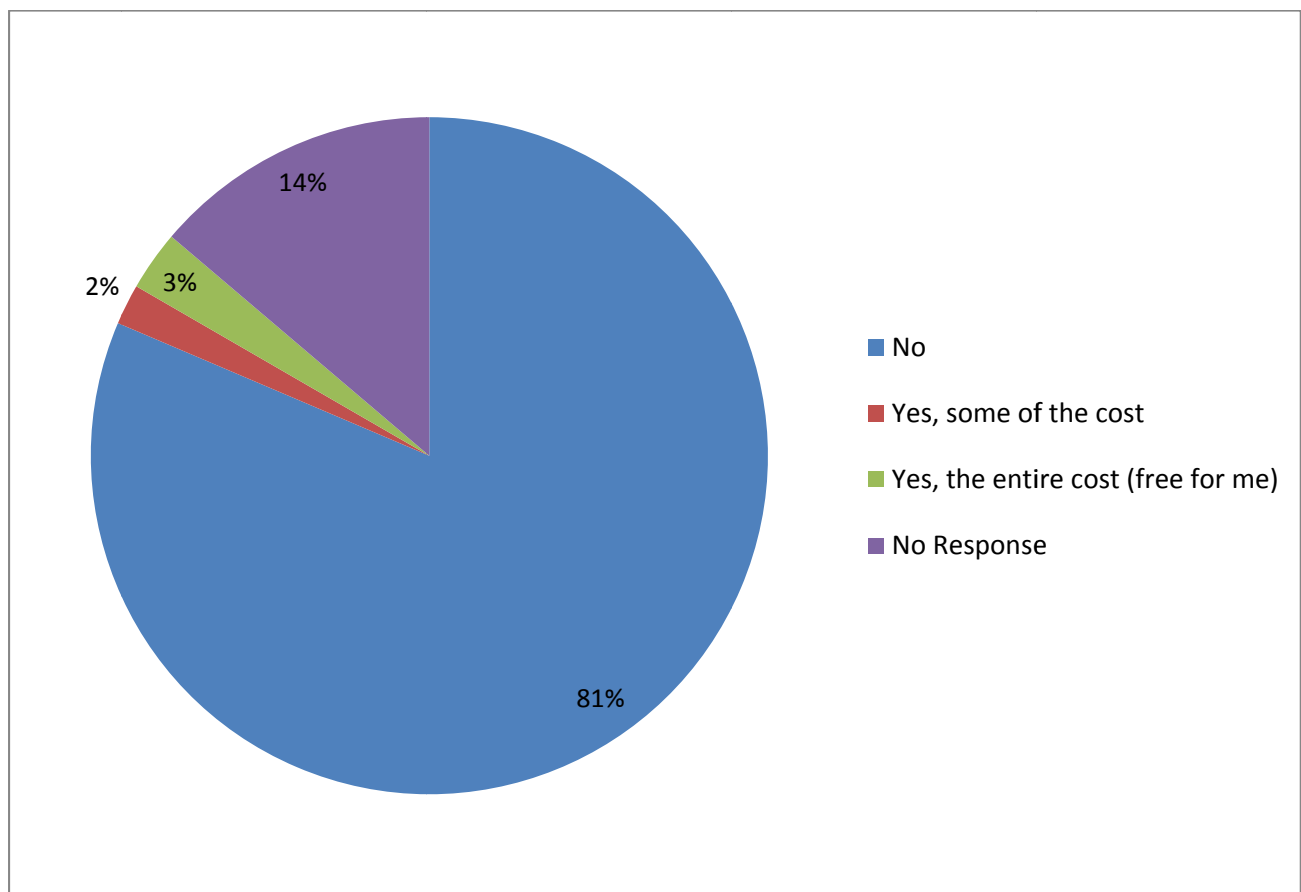
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 14: (Q13) Does your employer pay any or all of your bus fare?

Description	Frequency
No	3826
Yes, some of the cost	91
Yes, the entire cost (free for me)	135
No Response	648
Total	4700

**81%** reported that their employer did not pay anything towards their bus fare.

Figure 11: (Q13) Does your employer pay any or all of your bus fare?





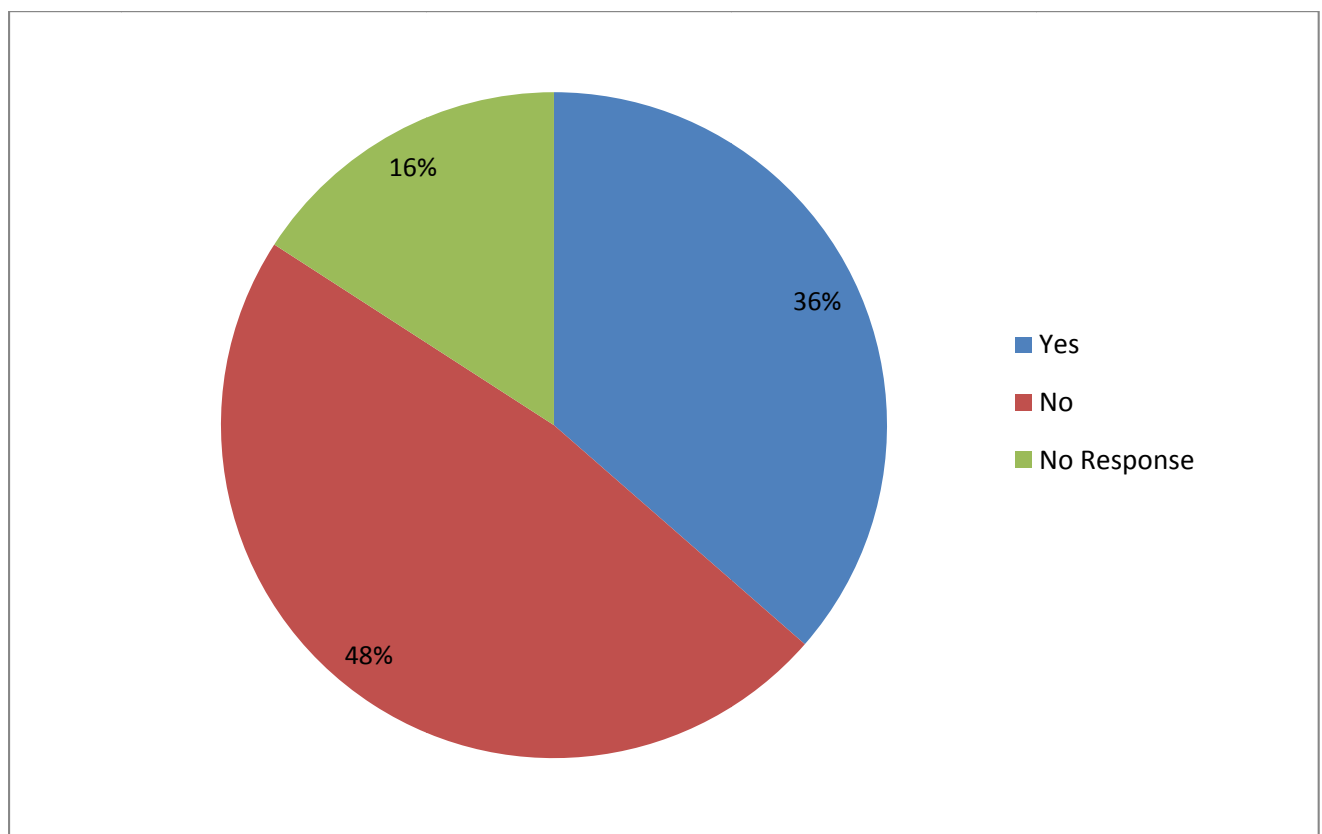
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 15: (Q14) Do you have a valid driver's license?

Description	Frequency
Yes	1712
No	2242
No Response	746
Total	4700

Of the people who answered this question, **43%** responded that they did not have a valid driver's license. These people likely depend on transit to get around.

Figure 12: (Q14) Do you have a valid driver's license?





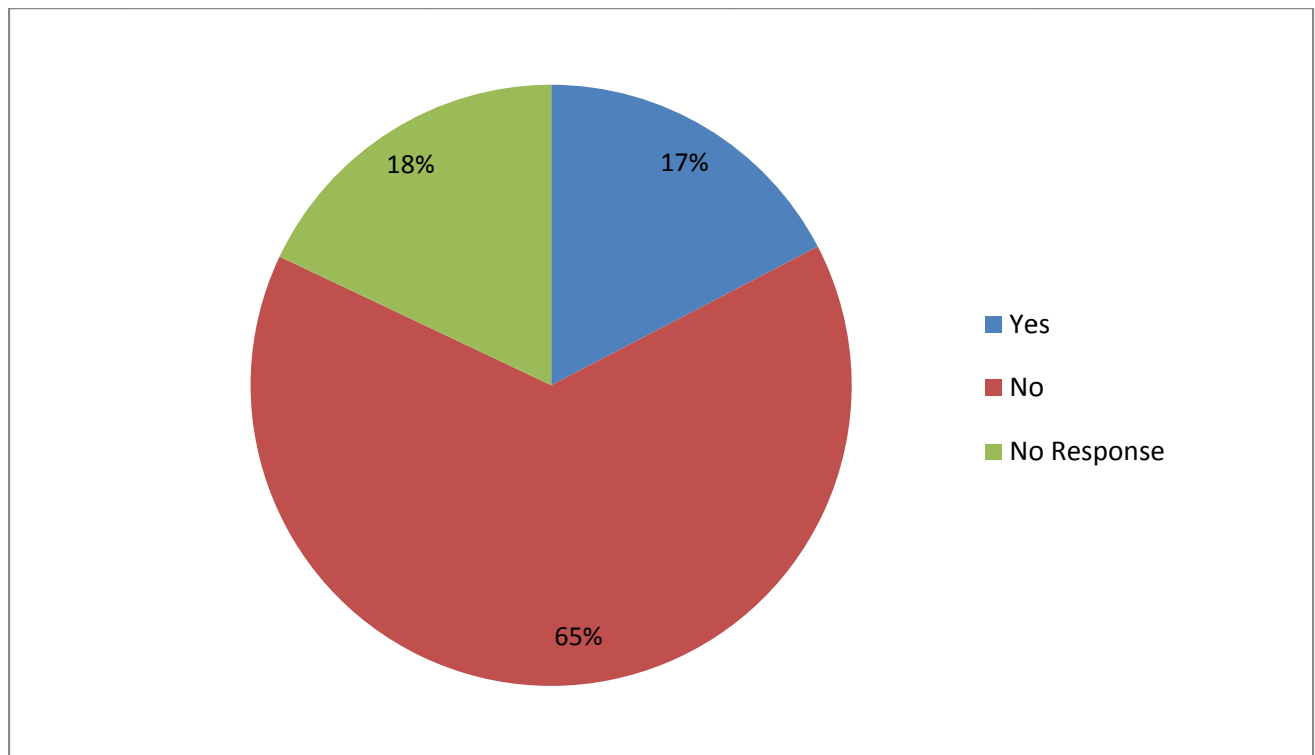
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 16: (Q15) Is there a car/vehicle available you can use for this trip?

Description	Frequency
Yes	816
No	3040
No Response	844
Total	4700

**65%** surveyed  
reported that they  
did not have  
access to a vehicle

Figure 13: (Q15) Is there a car/vehicle available you can use for this trip?





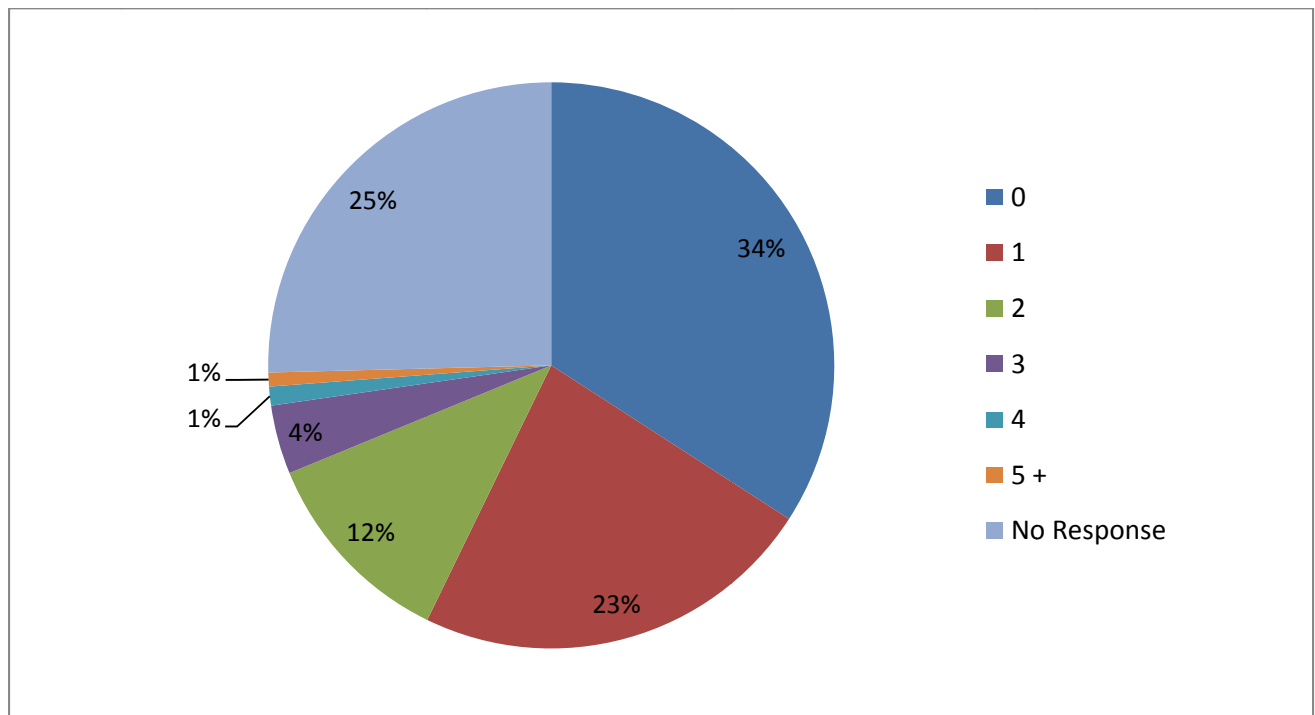
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 17: (Q16) How many working, registered motorized vehicles are owned by members of your household?

Description	Frequency
0	1604
1	1085
2	544
3	185
4	51
5 +	37
No Response	1194
<b>Total</b>	<b>4700</b>

Of the 75% who responded to this question, **45%** reported that there were **0** motorized vehicles in their household.

Figure 14: (Q16) How many working, registered motorized vehicles are owned by members of your household?





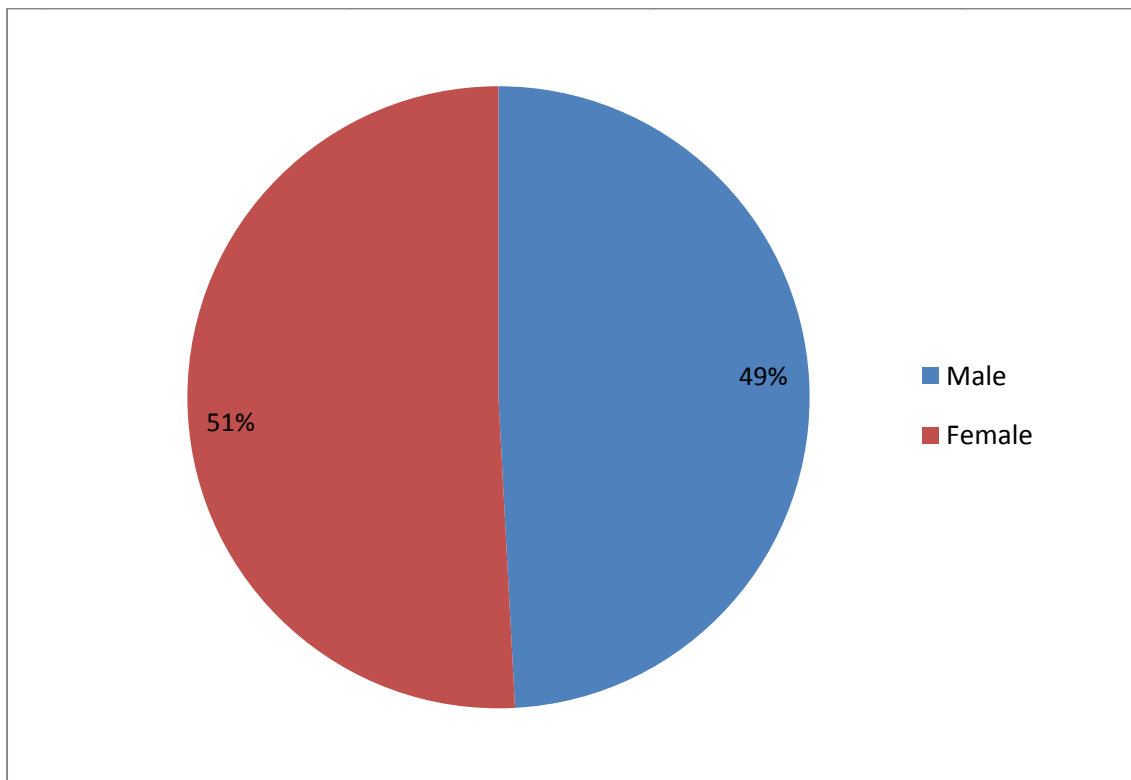
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 18: (Q17) What is your gender?

Description	Frequency
Male	2310
Female	2390
Total	4700

The genders are split almost down the middle – there were **80 more female respondents** than male respondents

Figure 15: (Q17) What is your gender?





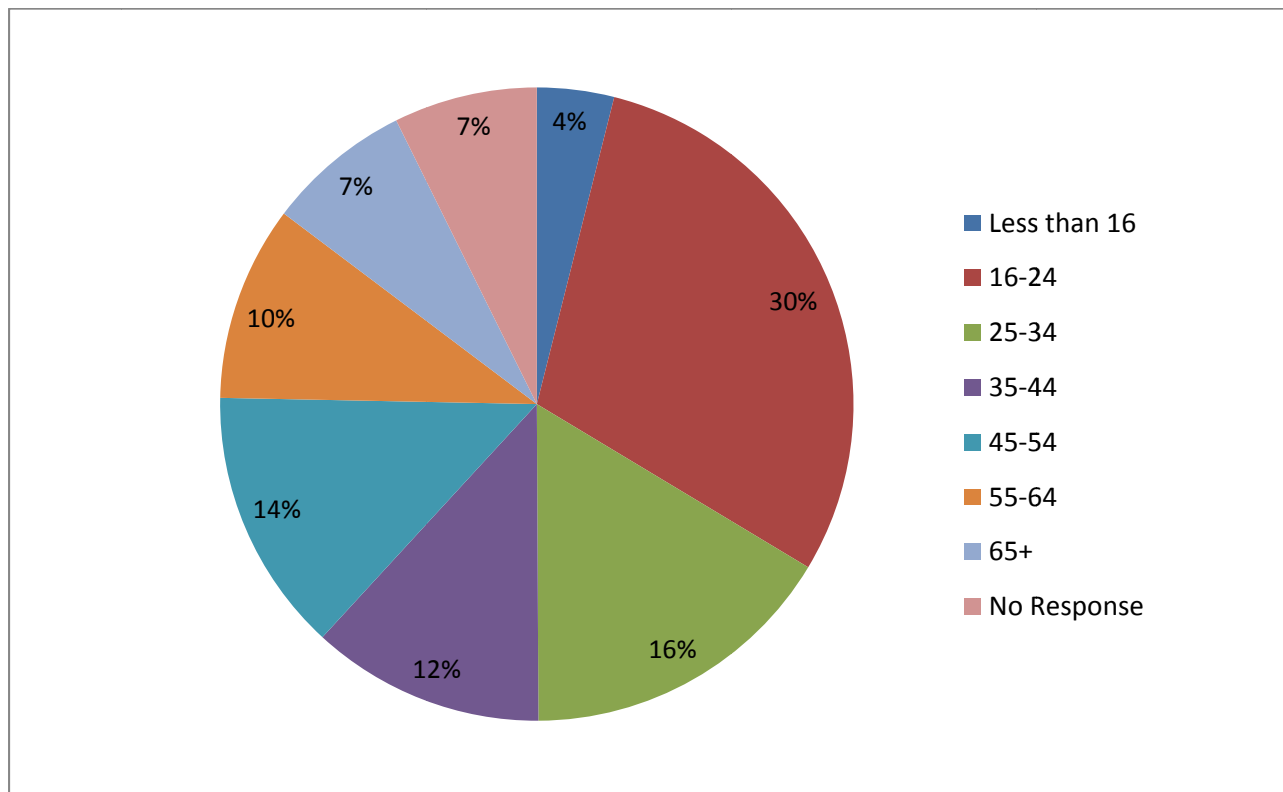
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 19: (Q18) How old are you?

Description	Frequency
Less than 16	185
16-24	1395
25-34	766
35-44	560
45-54	634
55-64	468
65+	348
No Response	344
<b>Total</b>	<b>4700</b>

**46%** of the riders surveyed were between the ages of 16 and 34

Figure 16: (Q18) How old are you?





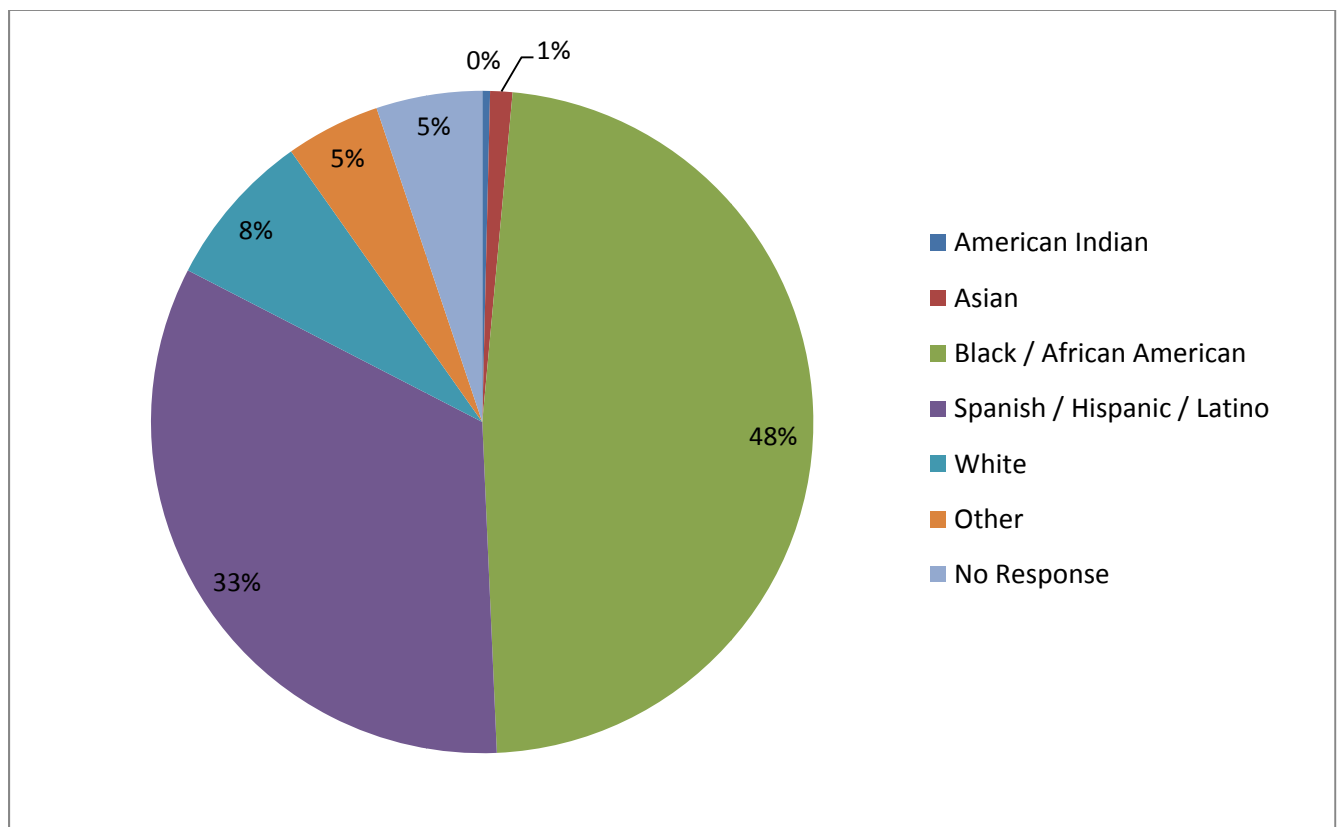
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 20: (Q19) My race is best described as:

Description	Frequency
American Indian	18
Asian	51
Black / African American	2248
Spanish / Hispanic / Latino	1564
White	359
Other	217
No Response	243
<b>Total</b>	<b>4700</b>

**81%** of riders classified their race as Black/African American or Spanish/Hispanic/Latino

Figure 17: (Q19) My race is best described as:





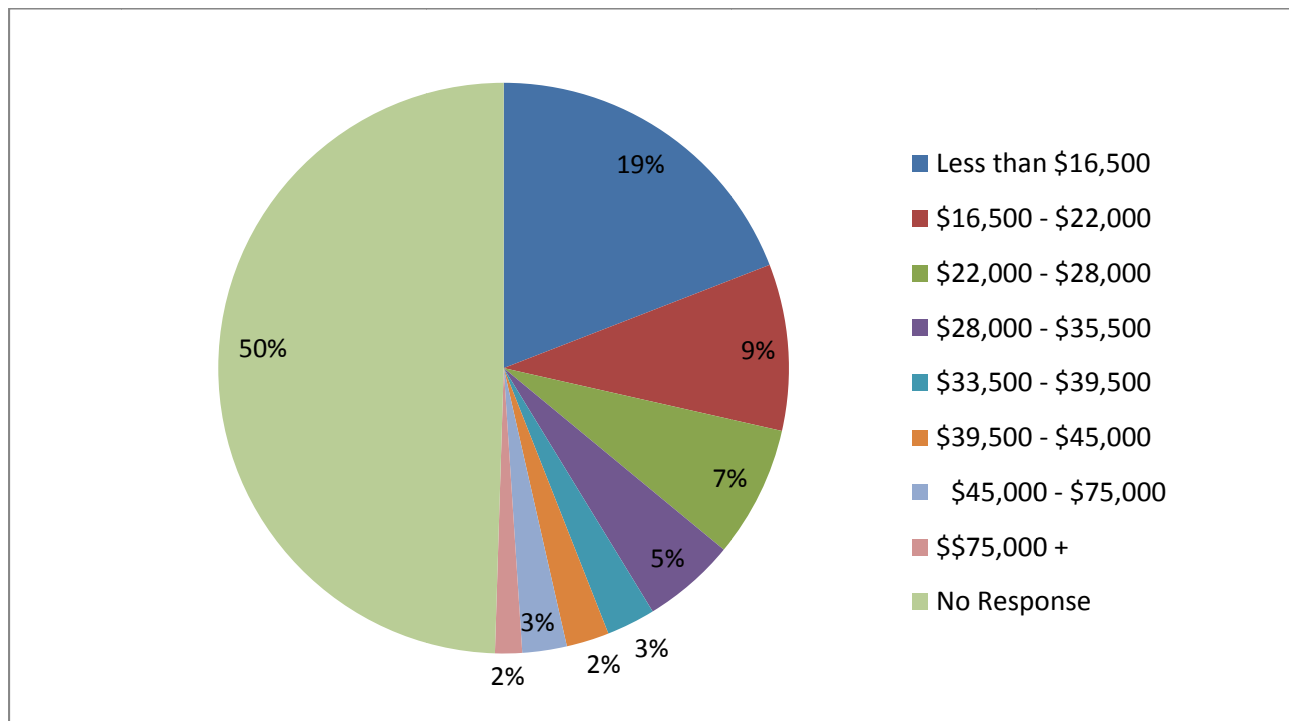
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 21: (Q20) What is your household's approximate total annual income?

Description	Frequency
Less than \$16,500	898
\$16,500 - \$22,000	443
\$22,000 - \$28,000	350
\$28,000 - \$35,500	248
\$33,500 - \$39,500	130
\$39,500 - \$45,000	114
\$45,000 - \$75,000	118
\$75,000 +	72
No Response	2327
<b>Total</b>	<b>4700</b>

While 50% of people surveyed chose not to respond to this question, the majority of people who did reported an income of less than **\$22,000** annually

Figure 18: (Q20) What is your household's approximate total annual income?





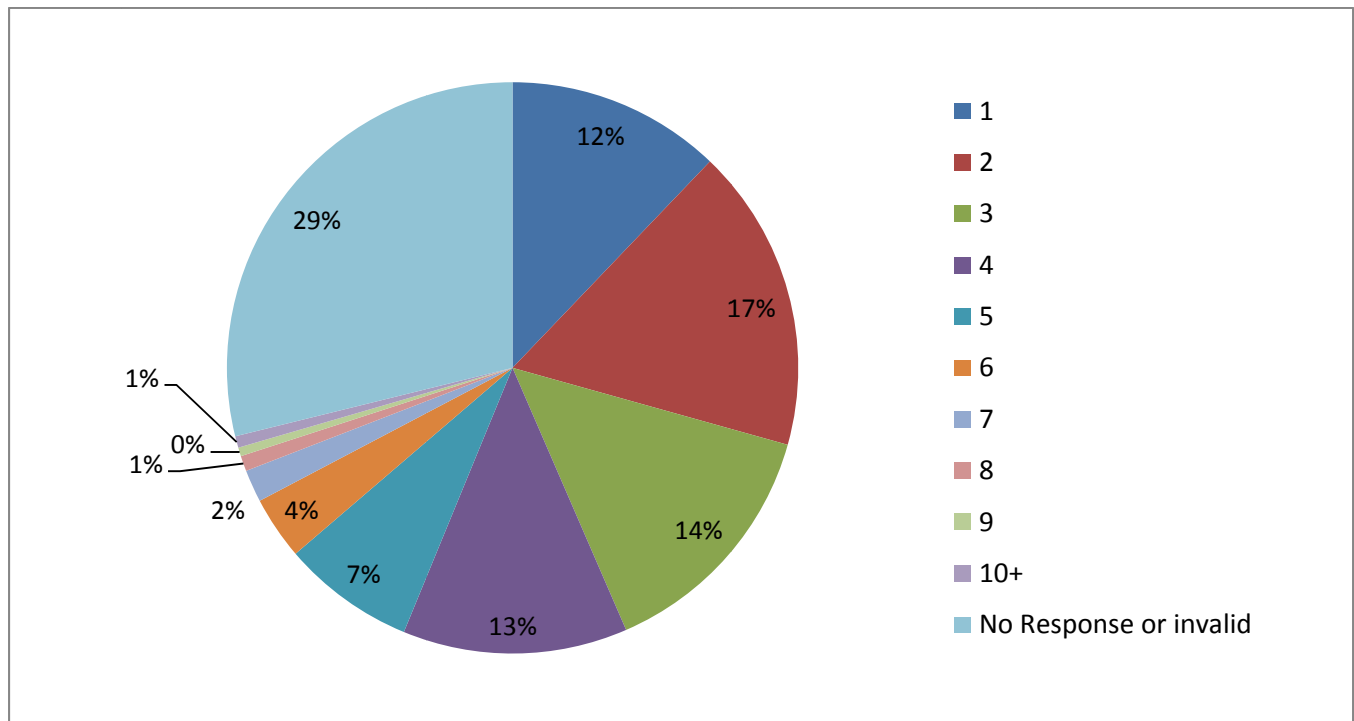
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 22: (Q21) Including you, how many people live in your house?

Description	Frequency
1	571
2	808
3	665
4	598
5	353
6	168
7	86
8	41
9	23
10+	31
No Response or invalid	1356
<b>Total</b>	<b>4700</b>

When controlling for the people who did not answer this question, the majority of people have between 1 and 4 people living in their house

Figure 19: (Q21) Including you, how many people live in your house?





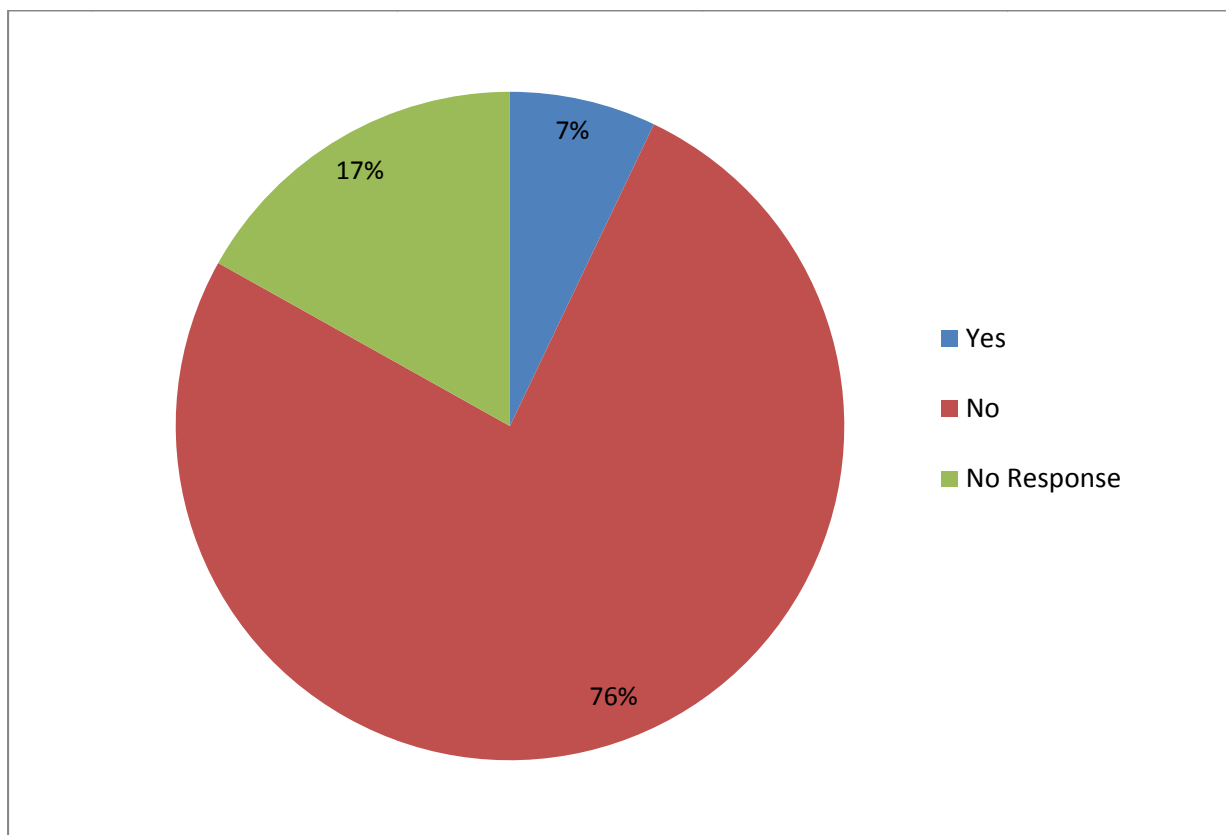
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 13: (Q22) Are you disabled?

Description	Frequency
Yes	333
No	3573
No Response	794
Total	4700

Seven percent (7%)  
surveyed identified  
themselves as being  
disabled

Figure 20: (Q22) Are you disabled?





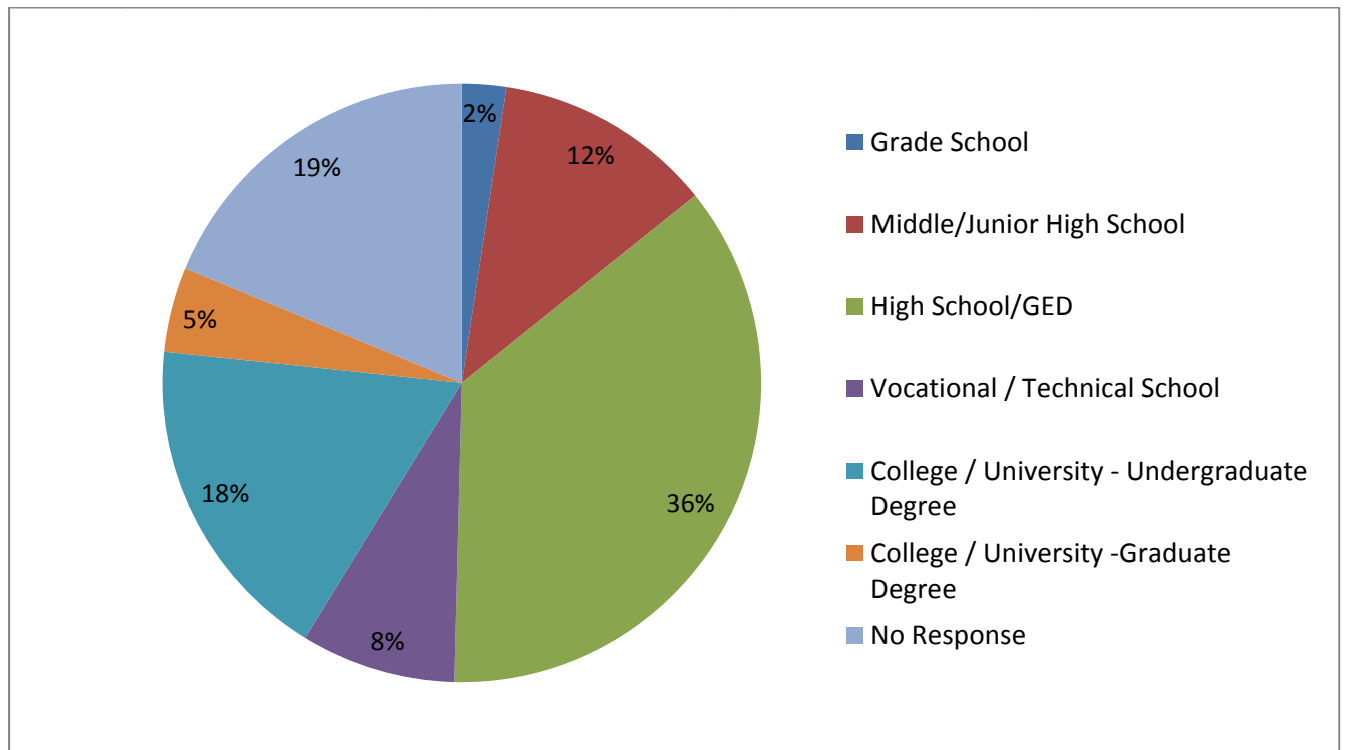
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 24: (Q23) What is the highest level of education you have completed?

Description	Frequency
Grade School	112
Middle/Junior High School	557
High School/GED	1700
Vocational / Technical School	393
College / University - Undergraduate Degree	841
College / University -Graduate Degree	216
No Response	881
<b>Total</b>	<b>4700</b>

**50%** surveyed  
possessed a high school  
level of education  
or below

Figure 21: (Q23) What is the highest level of education you have completed?





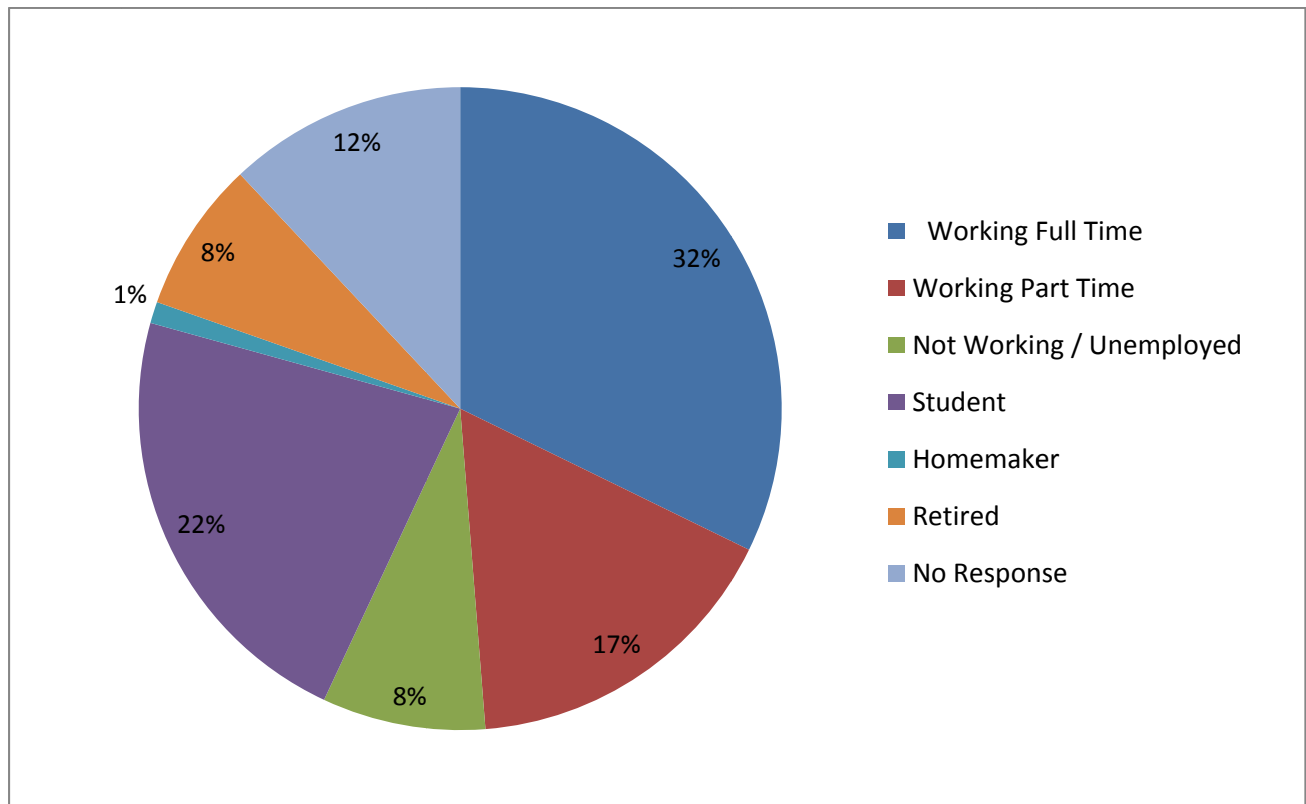
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 25: (Q24) What is your current employment status?

Description	Frequency
Working Full Time	1515
Working Part Time	776
Not Working / Unemployed	386
Student	1050
Homemaker	51
Retired	358
No Response	564
<b>Total</b>	<b>4700</b>

**32%** surveyed  
reported that  
they were  
working full time

Figure 22: (Q24) What is your current employment status?





# ORIGIN-DESTINATION SURVEYS for Local Bus Service

## 8. Trip Origin-Destination Maps by Route

The Origin and Destination Maps included in the following section represent geocoded survey data illustrating the origin and destination locations by bus route. These locations are based upon addresses and intersection survey data provided during the survey, and were updated based on the data review and revision process outlined in Section 6. Significant attention was placed to accurately represent the surveys, while cleaning up the data to retain a strong level of valid surveys.

A separate map was prepared for origin and destination locations by route, and these maps consolidate all route data regardless of the time period or day that the surveys were conducted.

An intensity “heat” map was prepared to illustrate the relative concentration of surveys located within proximity of a single point, bus stop or location. Since the number of surveys represented by each map varies by route, the intensity map is intended to describe a relative concentration of transit rider trip origin and destination locations as compared to an absolute number of surveys.

A darker red color represents a higher concentration of origins and destinations as compared to the less intense green color. Single dots represent surveyed origin and destination locations.

Origin and destination location distribution is generally clustered within walking distances to bus routes. East-west routes tend to illustrate a distributed pattern of origins and destinations, and can be related to having transit riders with transfers between their origin and destination locations.

Certain north-south bus routes and activity centers, such as Miami-Dade College, Aventura Mall, Jackson Memorial Hospital, high schools, shopping areas, Omni Station, Coconut Grove, and Downtown Miami, exhibit high concentrations of origin and destination locations.

### 8.1 Survey Response Distribution

The following tables provide insight into the transit rider travel patterns by illustrating the direction of travel by route and time period. Tables 26 and 28 provide a summary of actual number of completed surveys and attempted surveys by route, direction and time period. Tables 27 and 29 illustrate the corresponding percentage of surveys. These tables illustrate that the travel distribution for the completed surveys correspond to the attempted surveys, and indicates that future data expansion could be adequately based upon the completed survey results.



# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 26: Survey Count by Route, Direction and Time Period (Completed Surveys)

Route	AM Peak 6:30-9:30 AM		PM Peak 3:30-6:30 PM		Off Peak	
	Inbound	Outbound	Inbound	Outbound	Inbound	Outbound
2	15	11	21	29	28	33
3	91	134	56	75	166	92
9	38	62	26	61	83	64
10	32	23	27	18	57	77
16	35	32	28	17	68	75
17	16	35	16	18	49	41
19	19	17	18	10	14	23
22	33	47	45	29	82	86
27	77	100	58	40	108	102
29	8	12	2	1	3	12
75	31	22	13	19	25	23
77	45	76	34	39	83	145
93	29	16	22	22	43	28
97	2	6	7	8	21	17
99	11	18	8	10	34	36
105	15	23	4	8	31	18
107	11	19	13	10	17	21
108	15	24	13	10	22	17
119	86	104	25	71	115	80
135	15	20	9	8	22	22
183	24	20	13	24	47	47
277	6	11	9	11	15	12



# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 27: Percent of Completed Surveys by Route, Direction and Time Period

Route	AM Peak 6:30-9:30 AM		PM Peak 3:30-6:30 PM		Off Peak	
	Inbound	Outbound	Inbound	Outbound	Inbound	Outbound
2	58%	42%	42%	58%	46%	54%
3	40%	60%	43%	57%	64%	36%
9	38%	62%	30%	70%	56%	44%
10	58%	42%	60%	40%	43%	57%
16	52%	48%	62%	38%	48%	52%
17	31%	69%	47%	53%	54%	46%
19	53%	47%	64%	36%	38%	62%
22	41%	59%	61%	39%	49%	51%
27	44%	56%	59%	41%	51%	49%
29	40%	60%	67%	33%	20%	80%
75	58%	42%	41%	59%	52%	48%
77	37%	63%	47%	53%	36%	64%
93	64%	36%	50%	50%	61%	39%
97	25%	75%	47%	53%	55%	45%
99	38%	62%	44%	56%	49%	51%
105	39%	61%	33%	67%	63%	37%
107	37%	63%	57%	43%	45%	55%
108	38%	62%	57%	43%	56%	44%
119	45%	55%	26%	74%	59%	41%
135	43%	57%	53%	47%	50%	50%
183	55%	45%	35%	65%	50%	50%
277	35%	65%	45%	55%	56%	44%



# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 28: Survey Count by Route, Direction and Time Period (Attempted Surveys)

Route	AM Peak 6:30-9:30 AM		PM Peak 3:30-6:30 PM		Off Peak	
	Inbound	Outbound	Inbound	Outbound	Inbound	Outbound
2	25	21	35	41	64	67
3	152	200	119	135	279	162
9	102	121	47	114	168	138
10	60	46	45	41	89	131
16	60	67	81	52	125	146
17	47	82	40	42	122	81
19	40	29	40	22	38	51
22	75	113	102	47	163	188
27	159	237	147	74	217	227
29	29	22	8	1	11	18
75	51	47	40	48	61	63
77	100	170	80	95	182	304
93	70	46	49	51	84	84
97	7	19	20	24	57	57
99	20	30	16	18	51	48
105	32	45	9	26	68	30
107	43	57	37	27	67	76
108	21	29	18	18	37	24
119	179	153	64	139	248	159
135	22	42	23	13	44	33
183	49	47	45	53	102	126
277	19	40	24	28	42	40



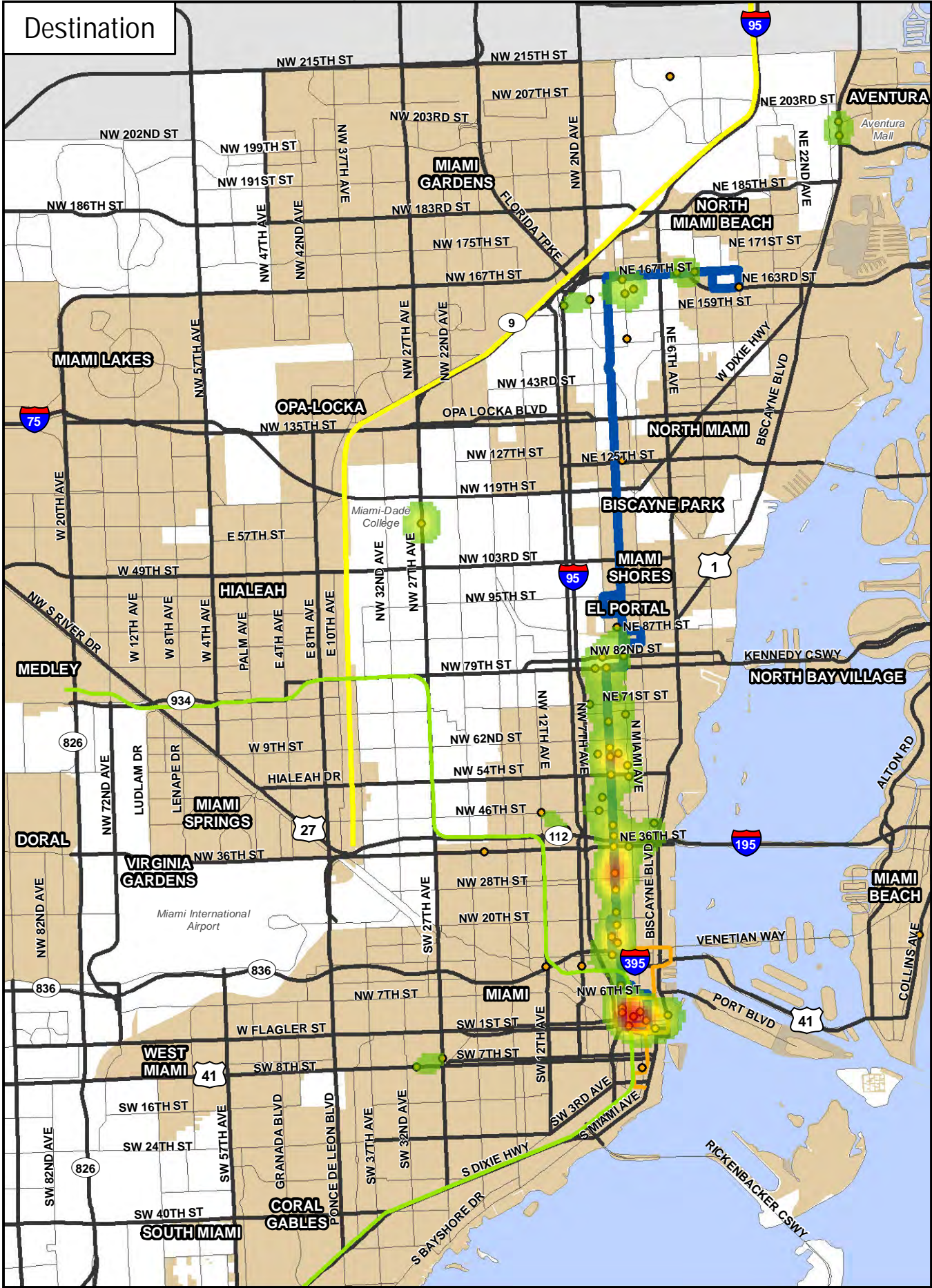
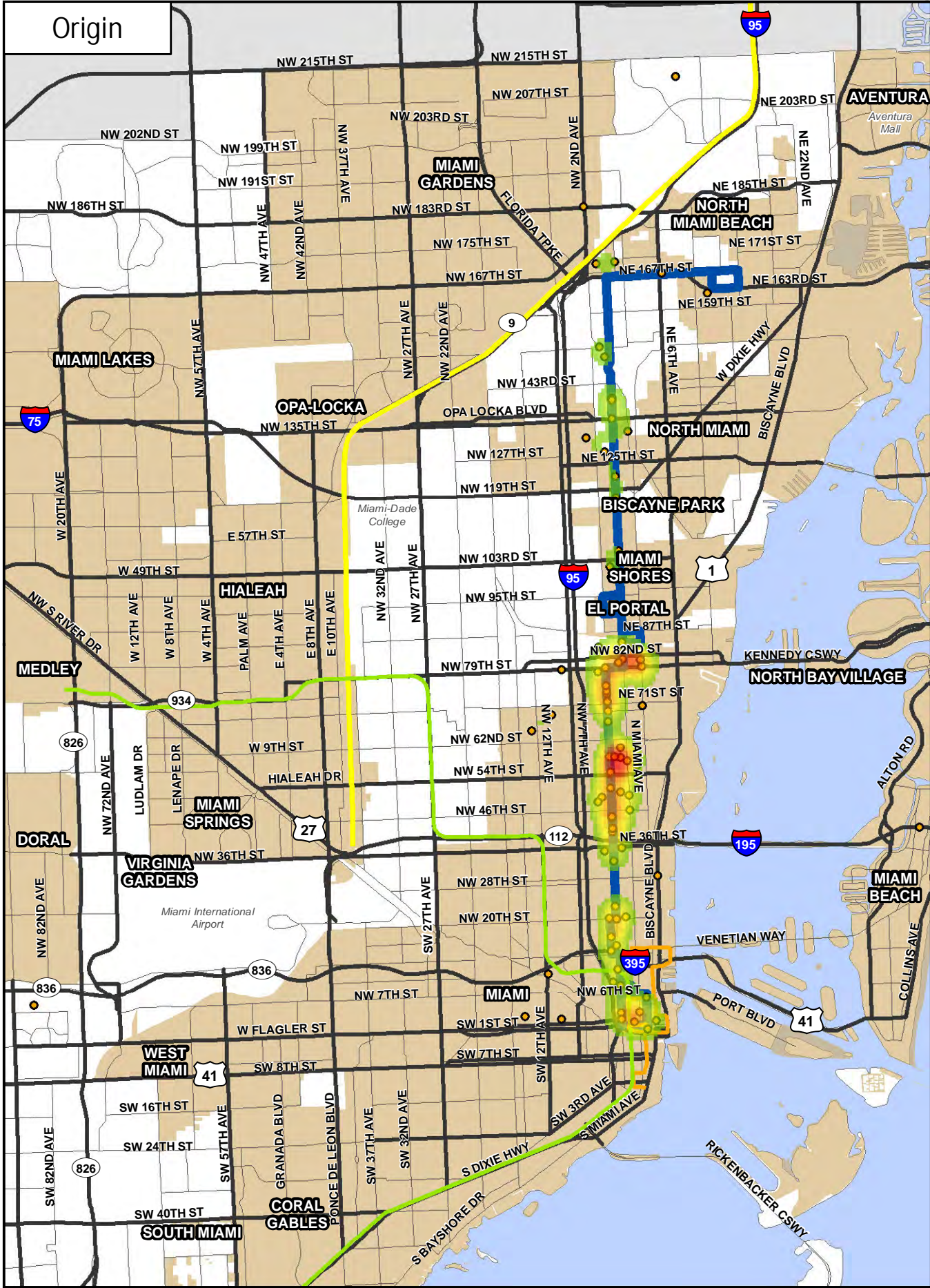
# ORIGIN-DESTINATION SURVEYS for Local Bus Service

Table 29: Percent of Attempted Surveys by Route, Direction and Time Period

Route	AM Peak 6:30-9:30 AM		PM Peak 3:30-6:30 PM		Off Peak	
	Inbound	Outbound	Inbound	Outbound	Inbound	Outbound
2	54%	46%	46%	54%	49%	51%
3	43%	57%	47%	53%	63%	37%
9	46%	54%	29%	71%	55%	45%
10	57%	43%	52%	48%	40%	60%
16	47%	53%	61%	39%	46%	54%
17	36%	64%	49%	51%	60%	40%
19	58%	42%	65%	35%	43%	57%
22	40%	60%	68%	32%	46%	54%
27	40%	60%	67%	33%	49%	51%
29	57%	43%	89%	11%	38%	62%
75	52%	48%	45%	55%	49%	51%
77	37%	63%	46%	54%	37%	63%
93	60%	40%	49%	51%	50%	50%
97	27%	73%	45%	55%	50%	50%
99	40%	60%	47%	53%	52%	48%
105	42%	58%	26%	74%	69%	31%
107	43%	57%	58%	42%	47%	53%
108	42%	58%	50%	50%	61%	39%
119	54%	46%	32%	68%	61%	39%
135	34%	66%	64%	36%	57%	43%
183	51%	49%	46%	54%	45%	55%
277	32%	68%	46%	54%	51%	49%



# Miami-Dade MPO Origin-Destination Survey - Bus Route 2



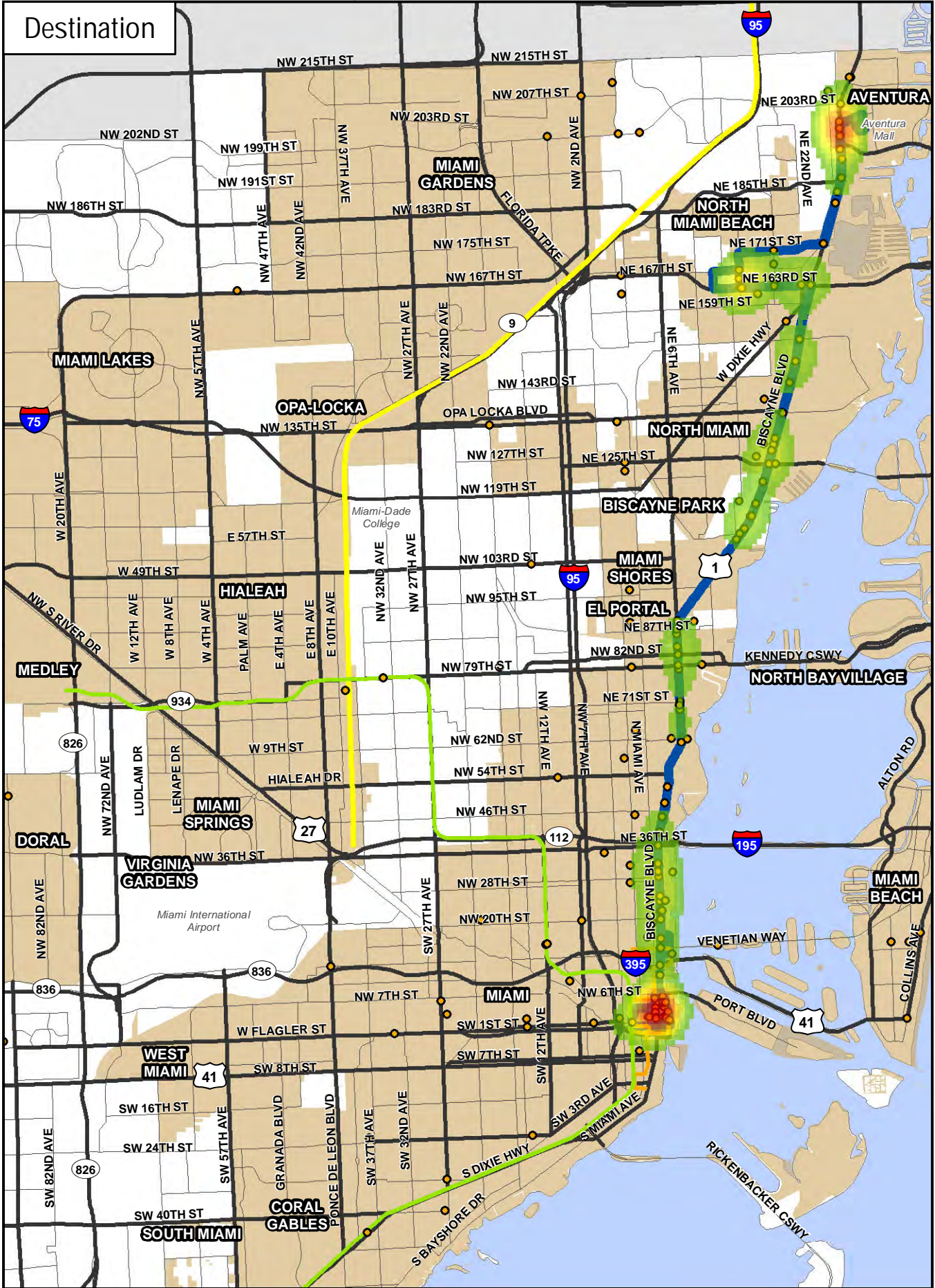
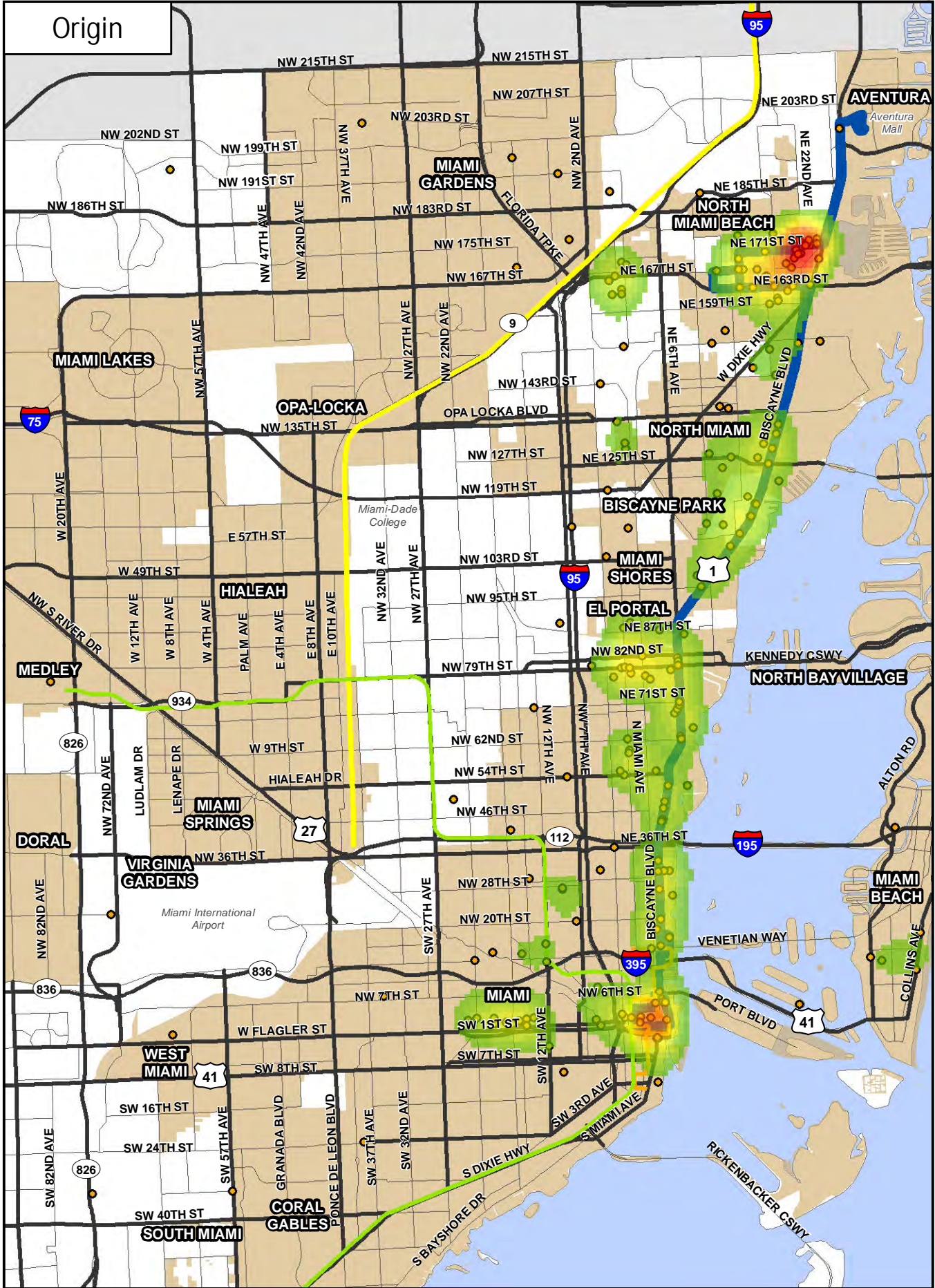
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 2
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 3



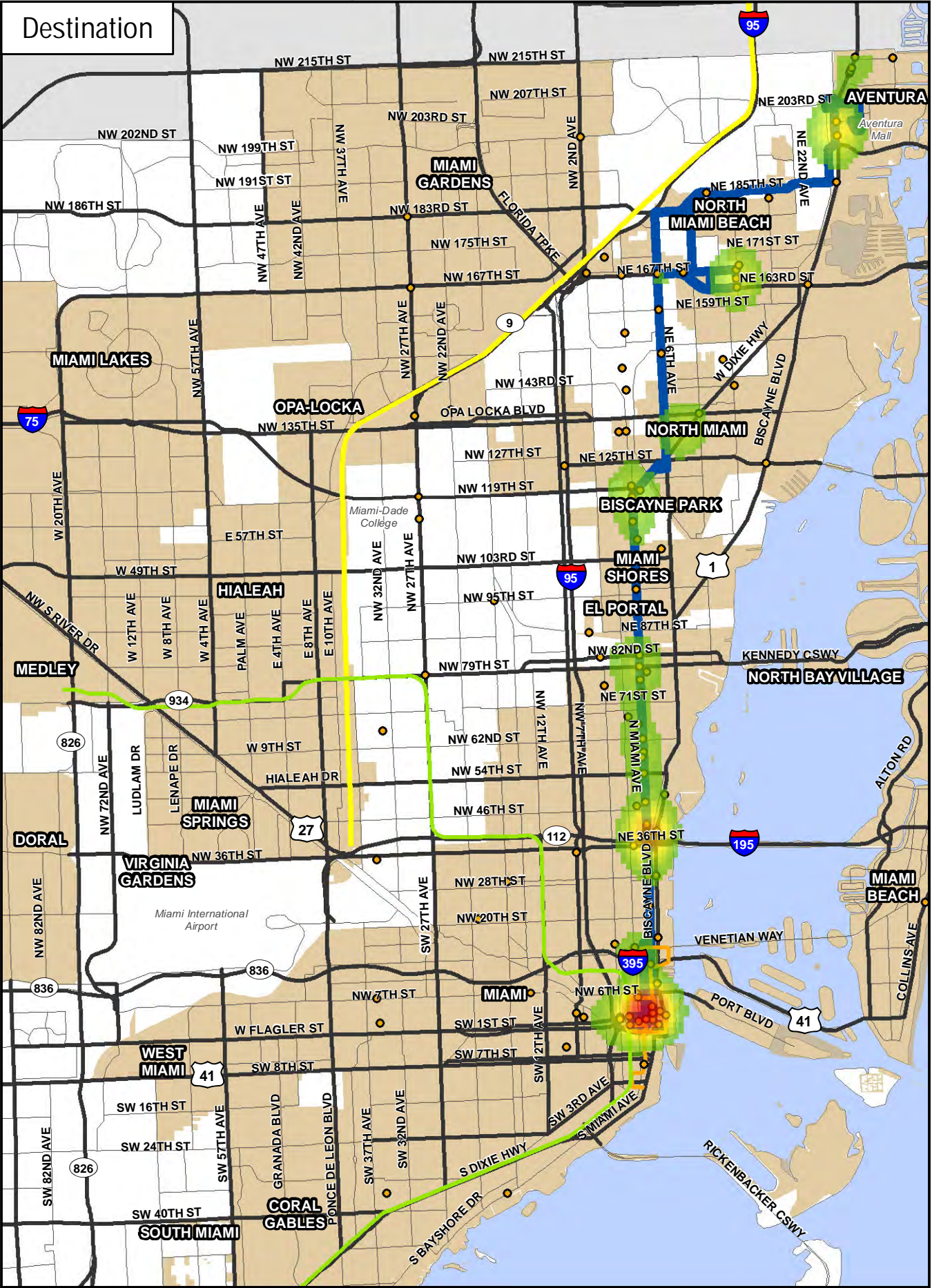
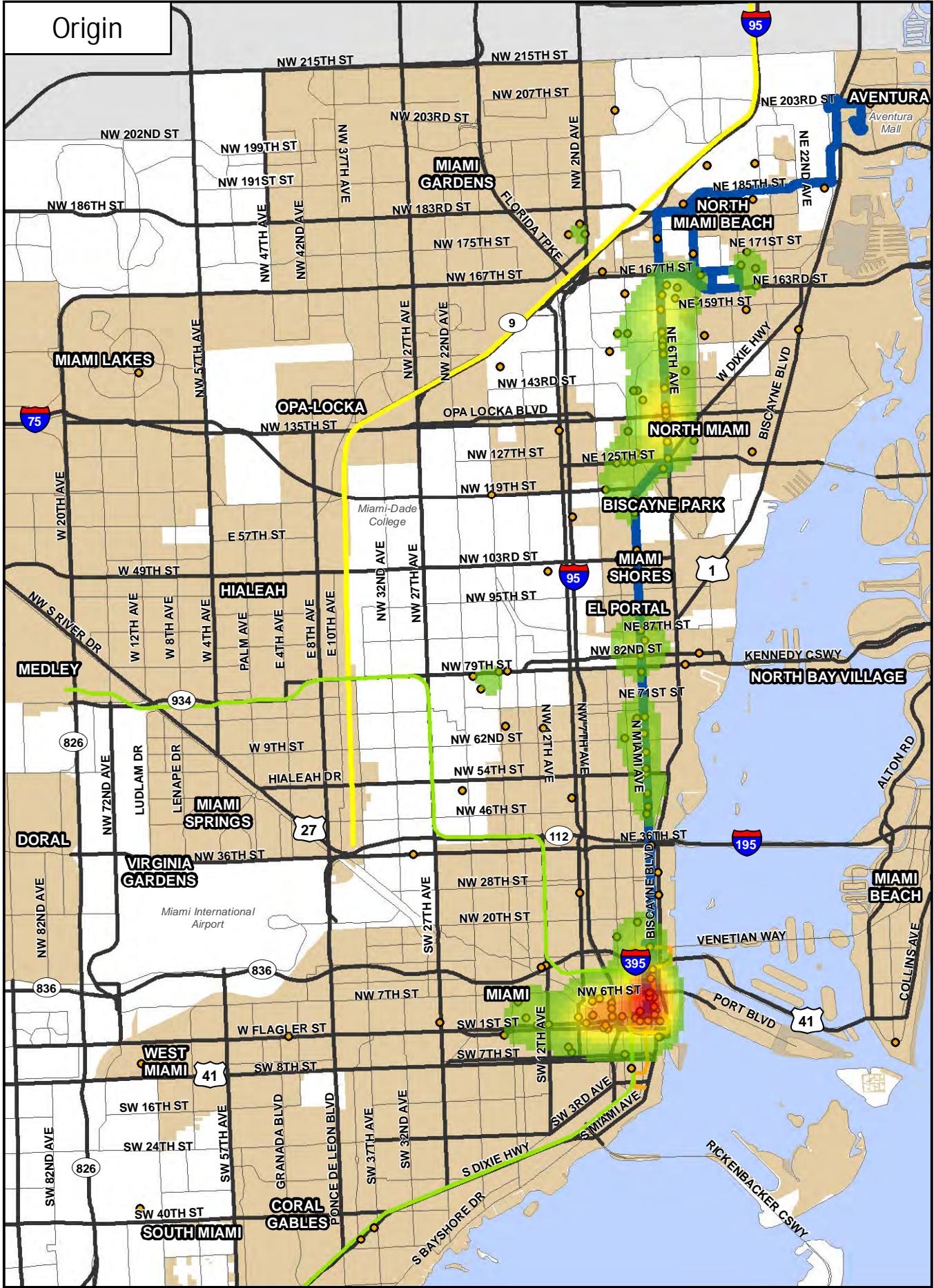
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 3
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 9



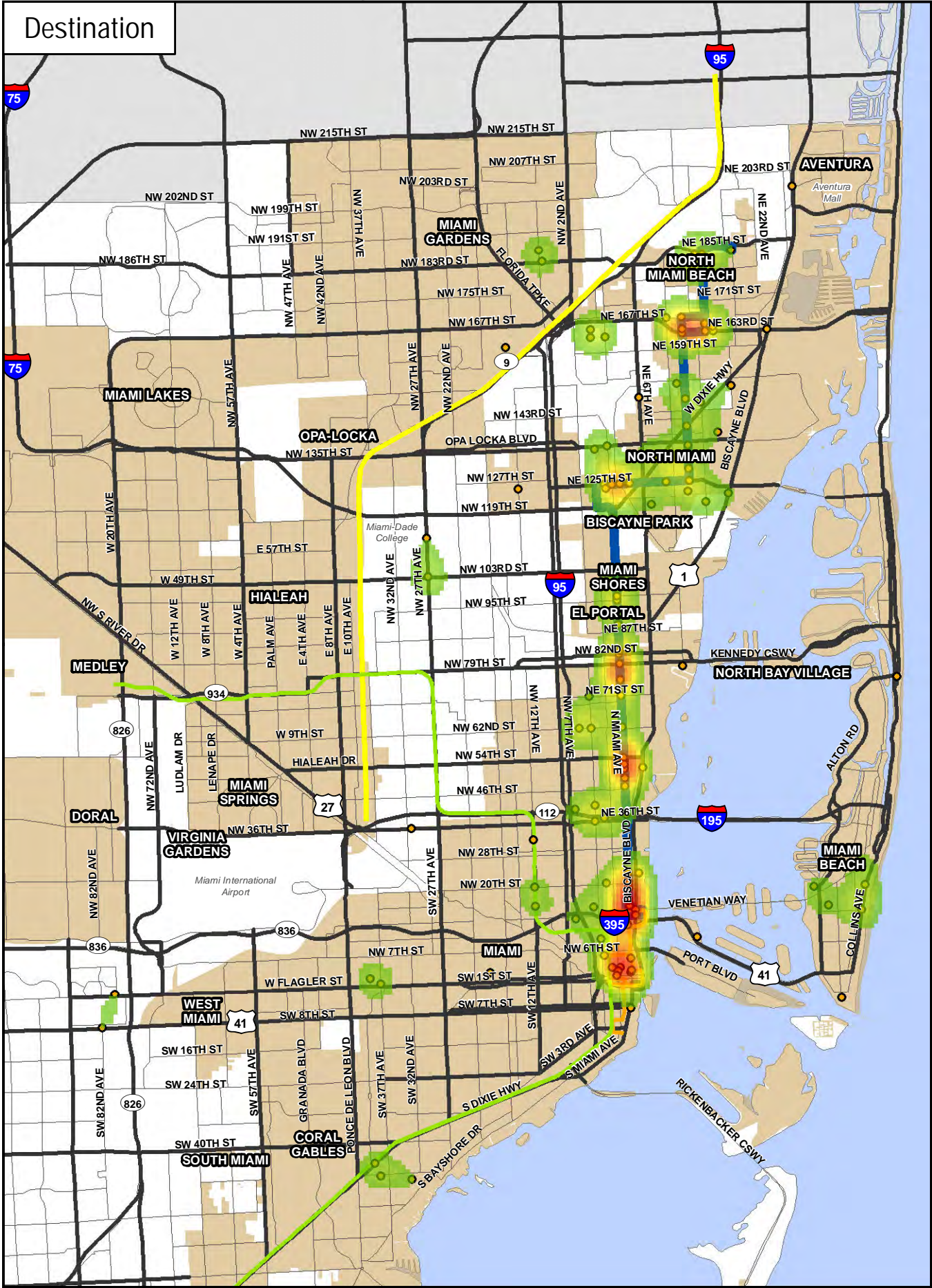
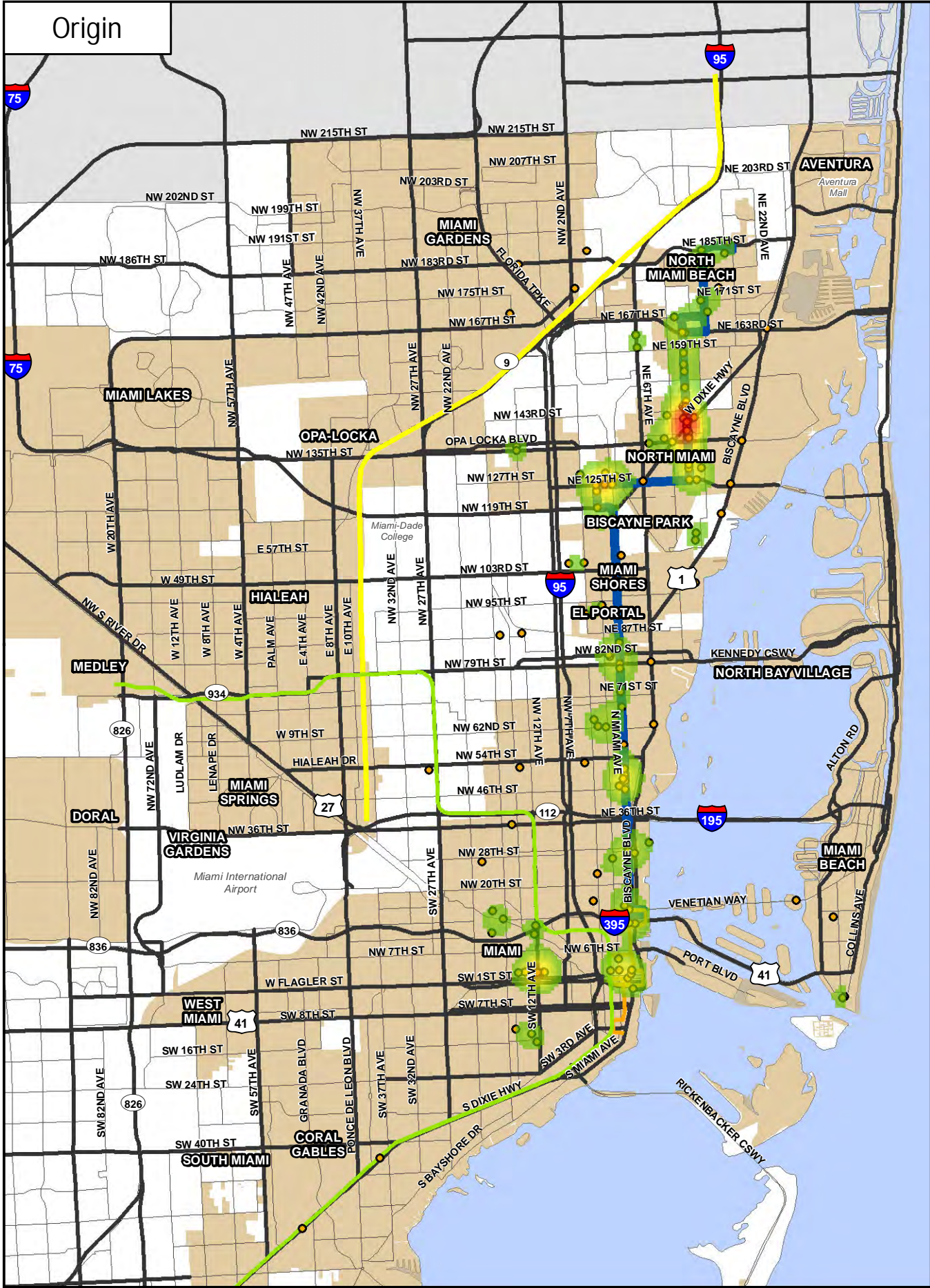
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 9
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 10



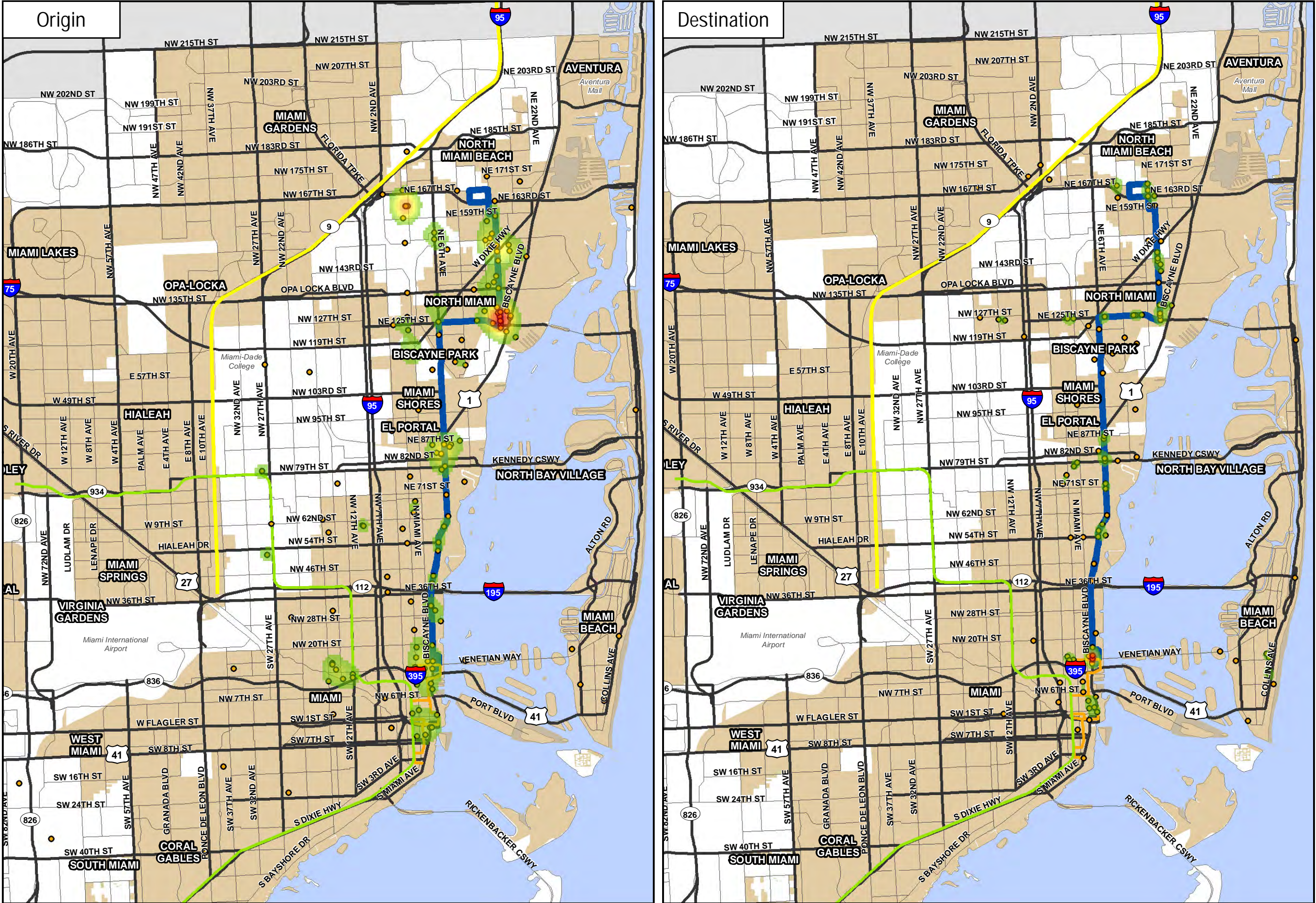
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 10
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 16



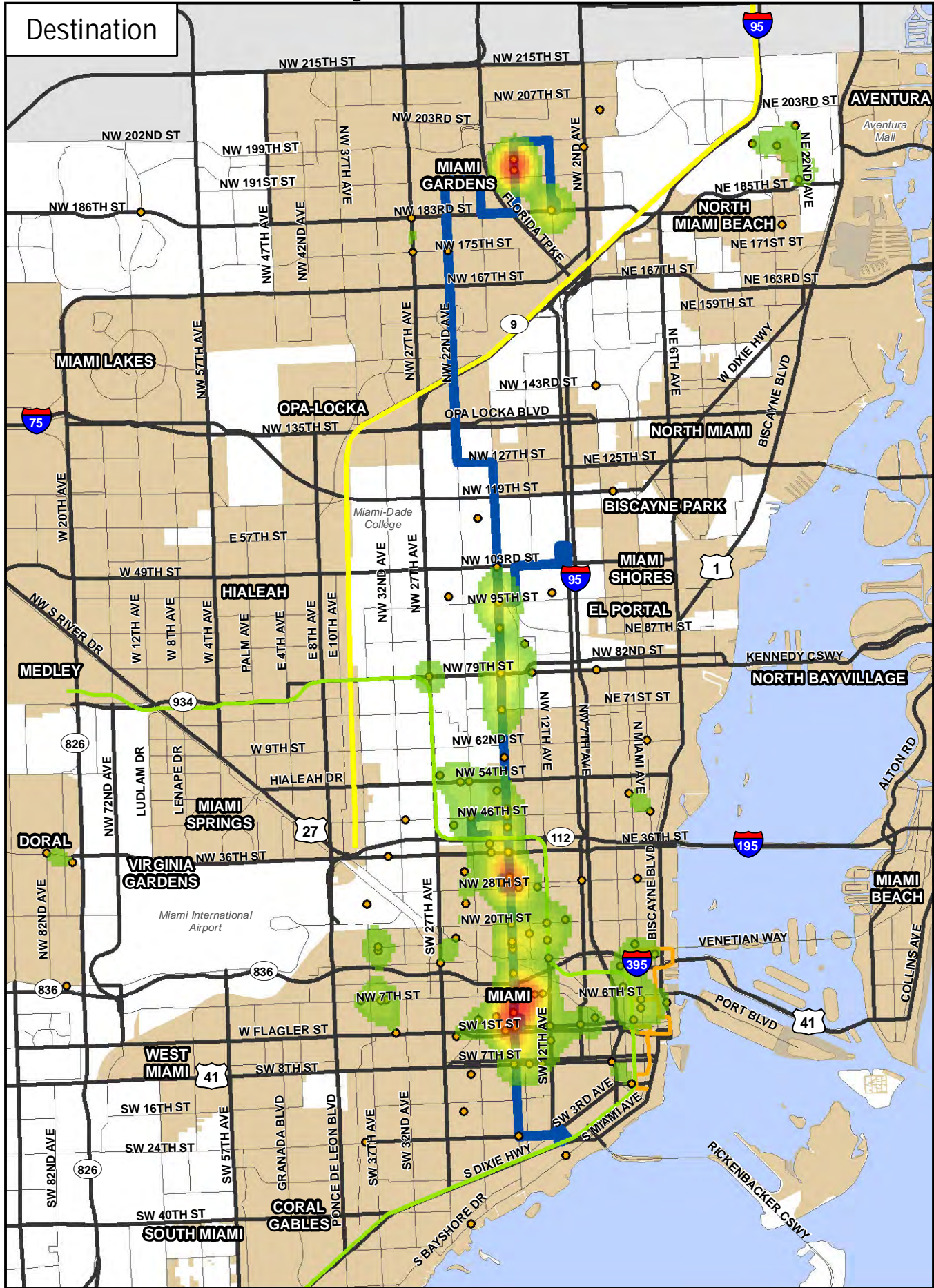
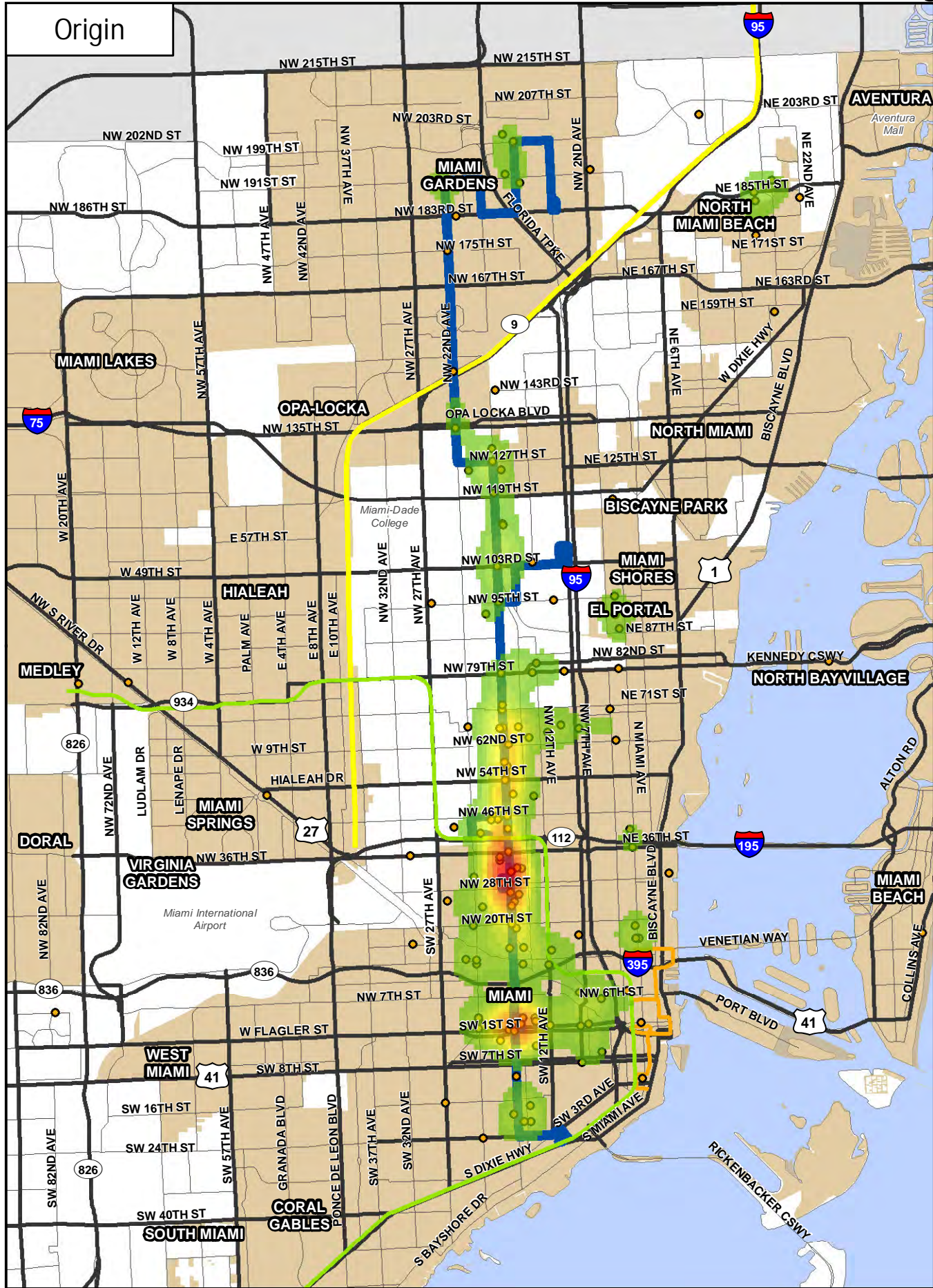
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 16
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 17



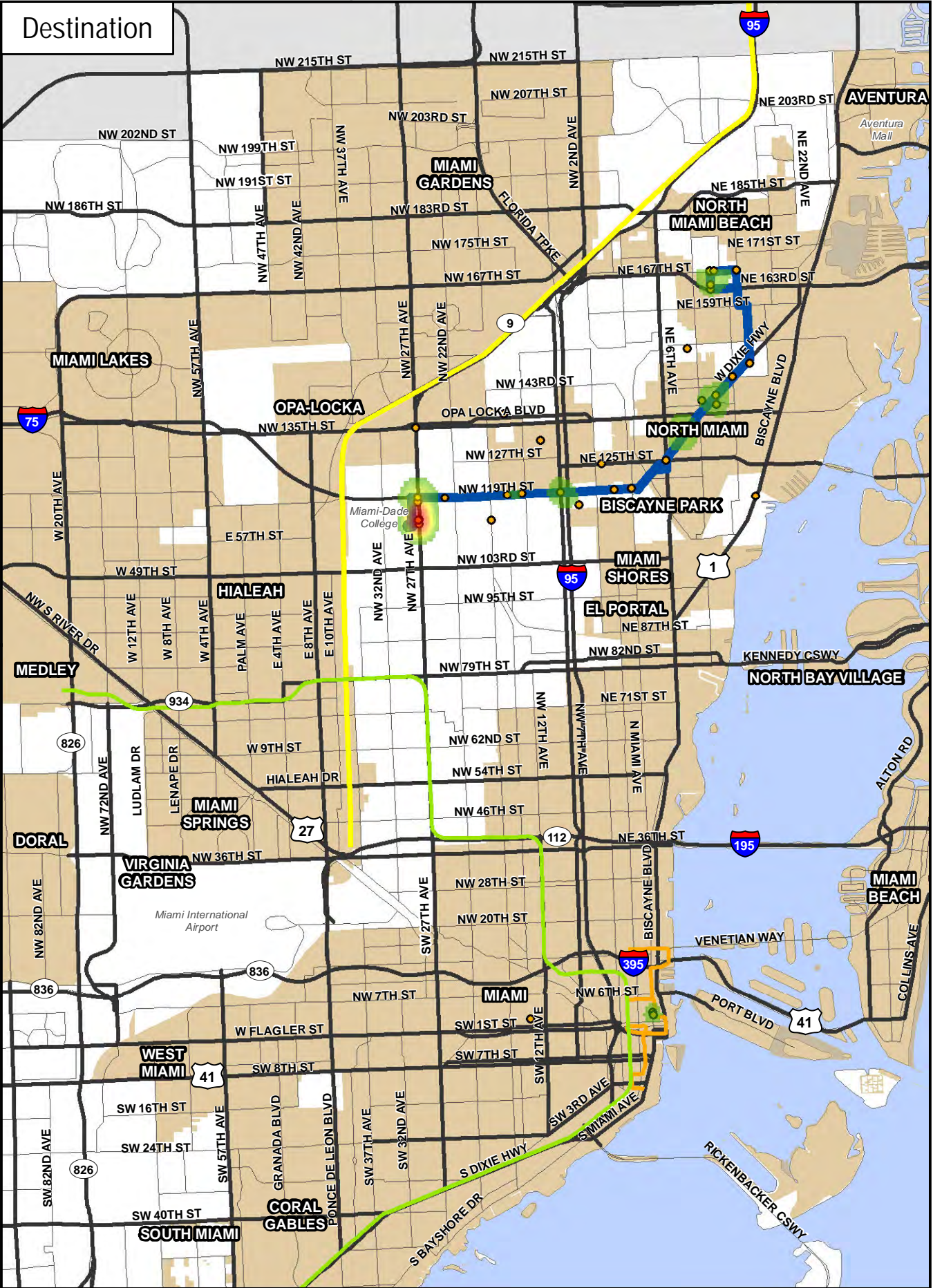
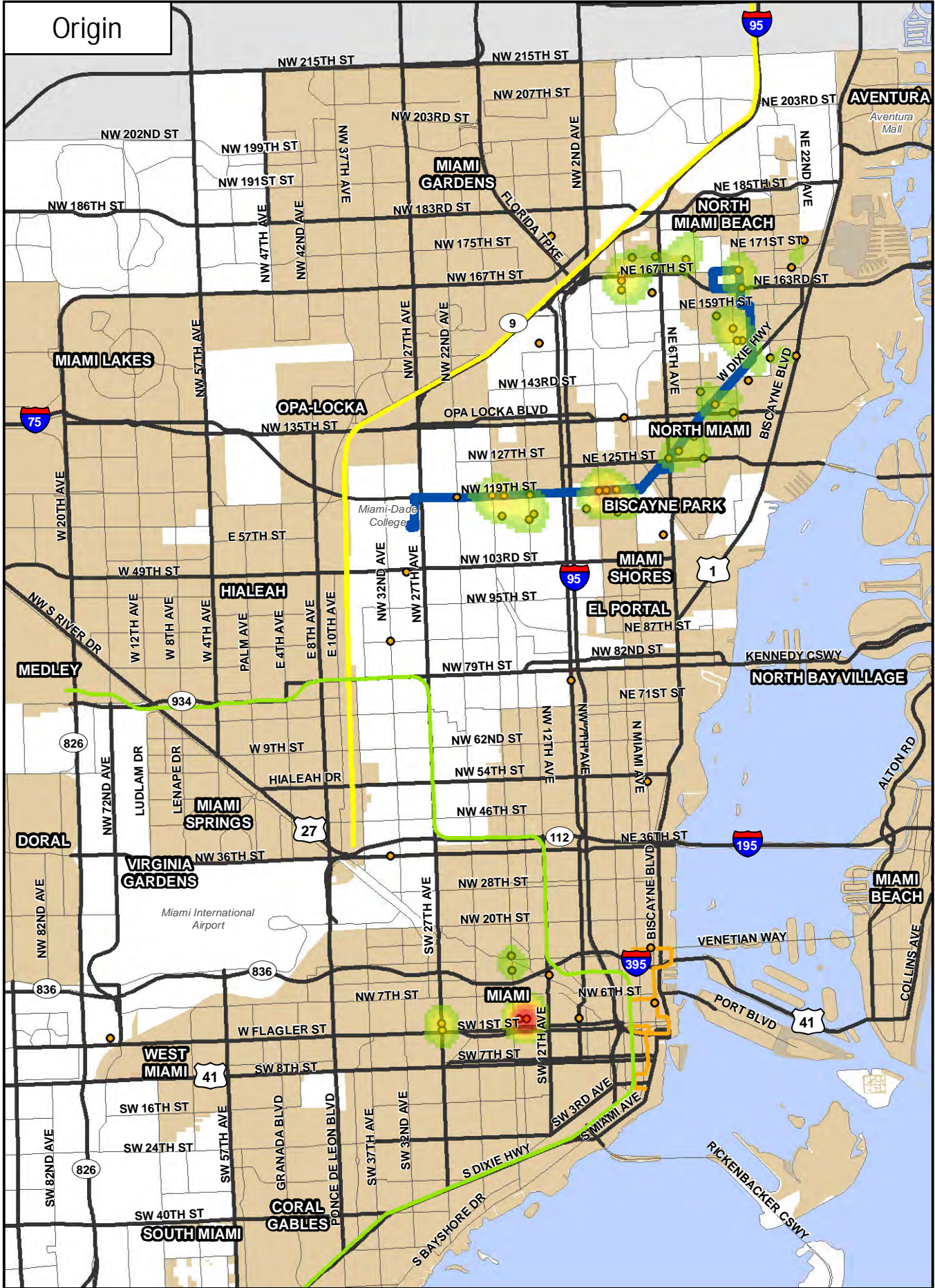
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Routes 17
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 19



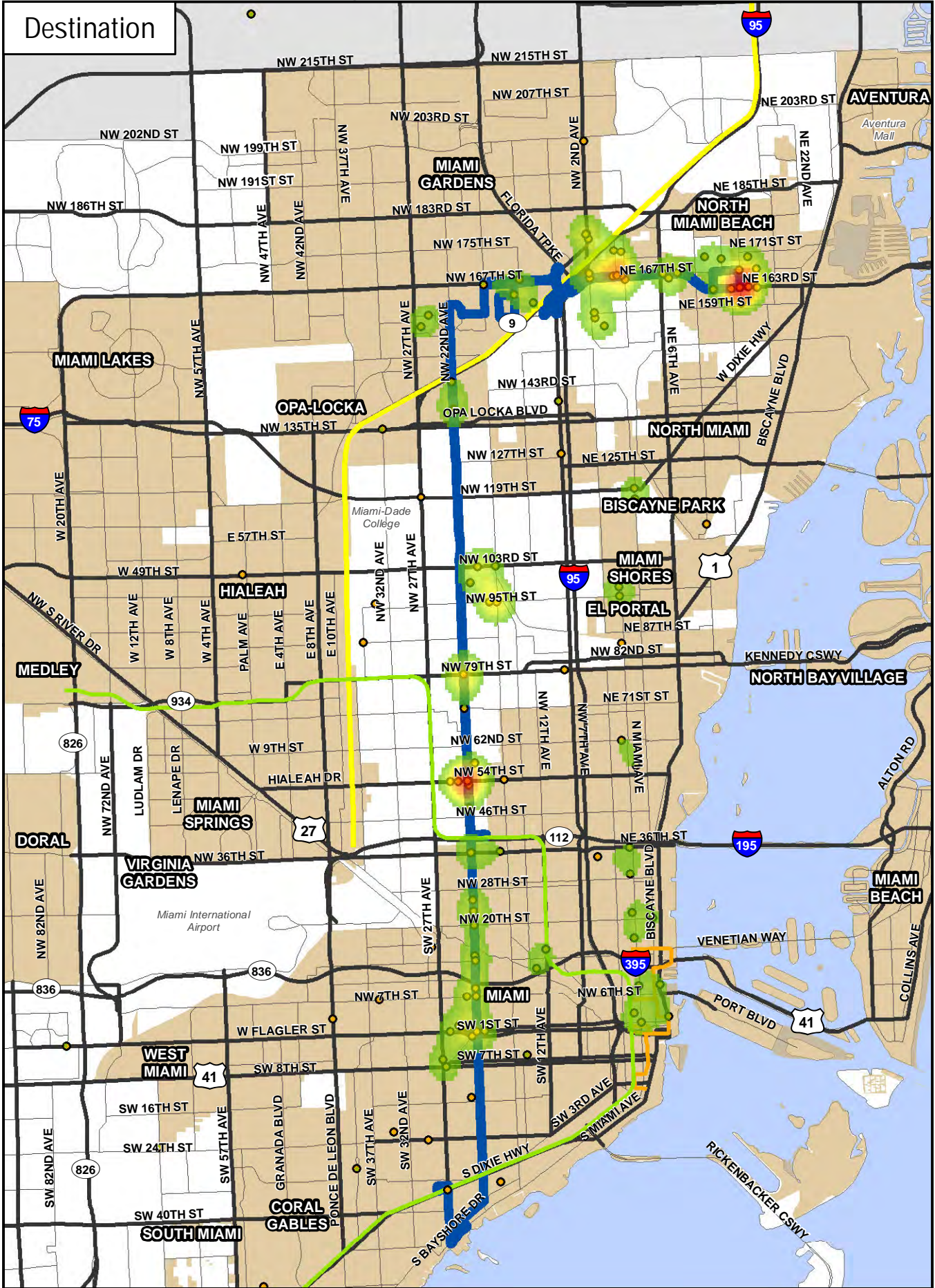
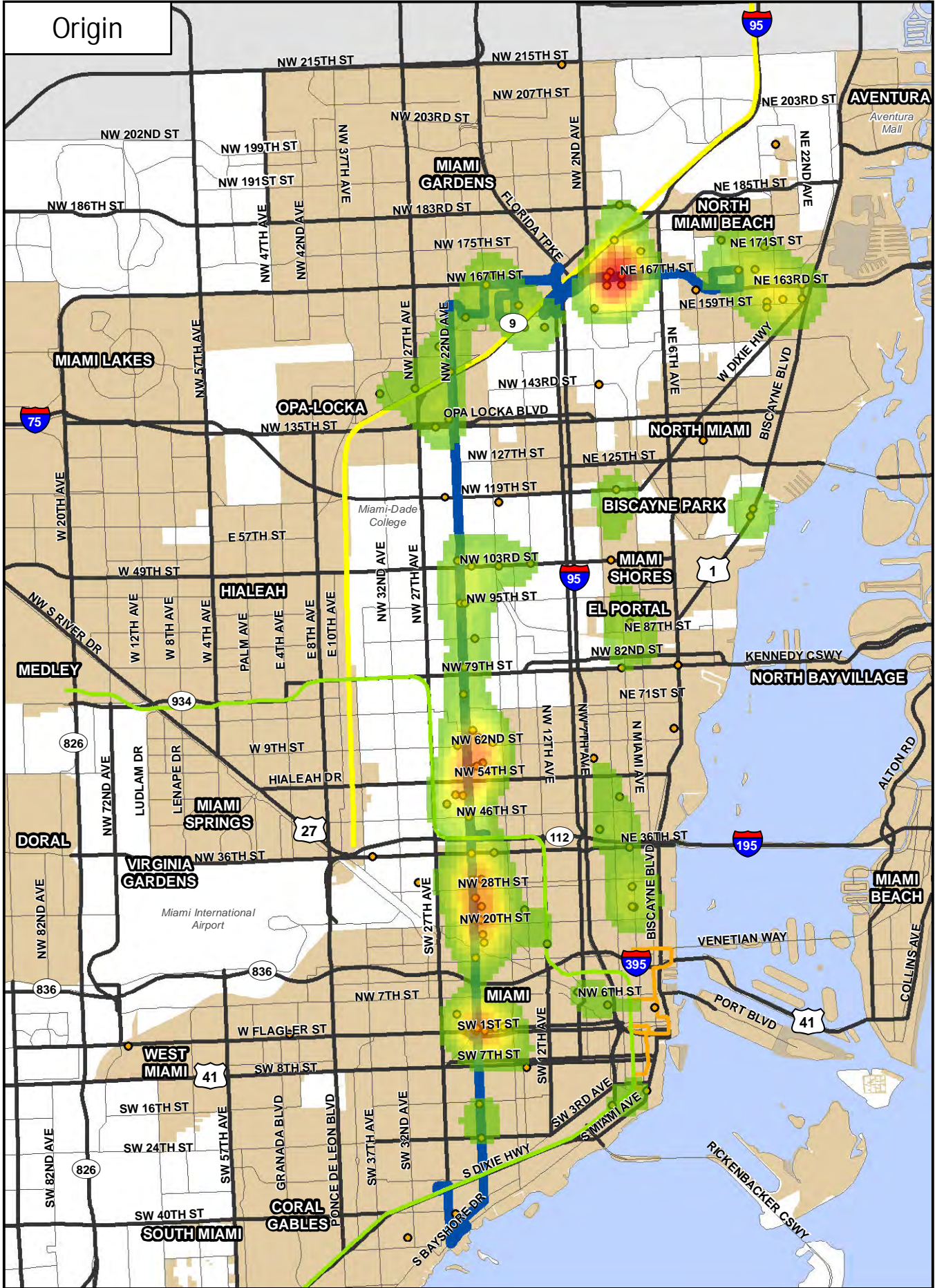
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 19
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 22



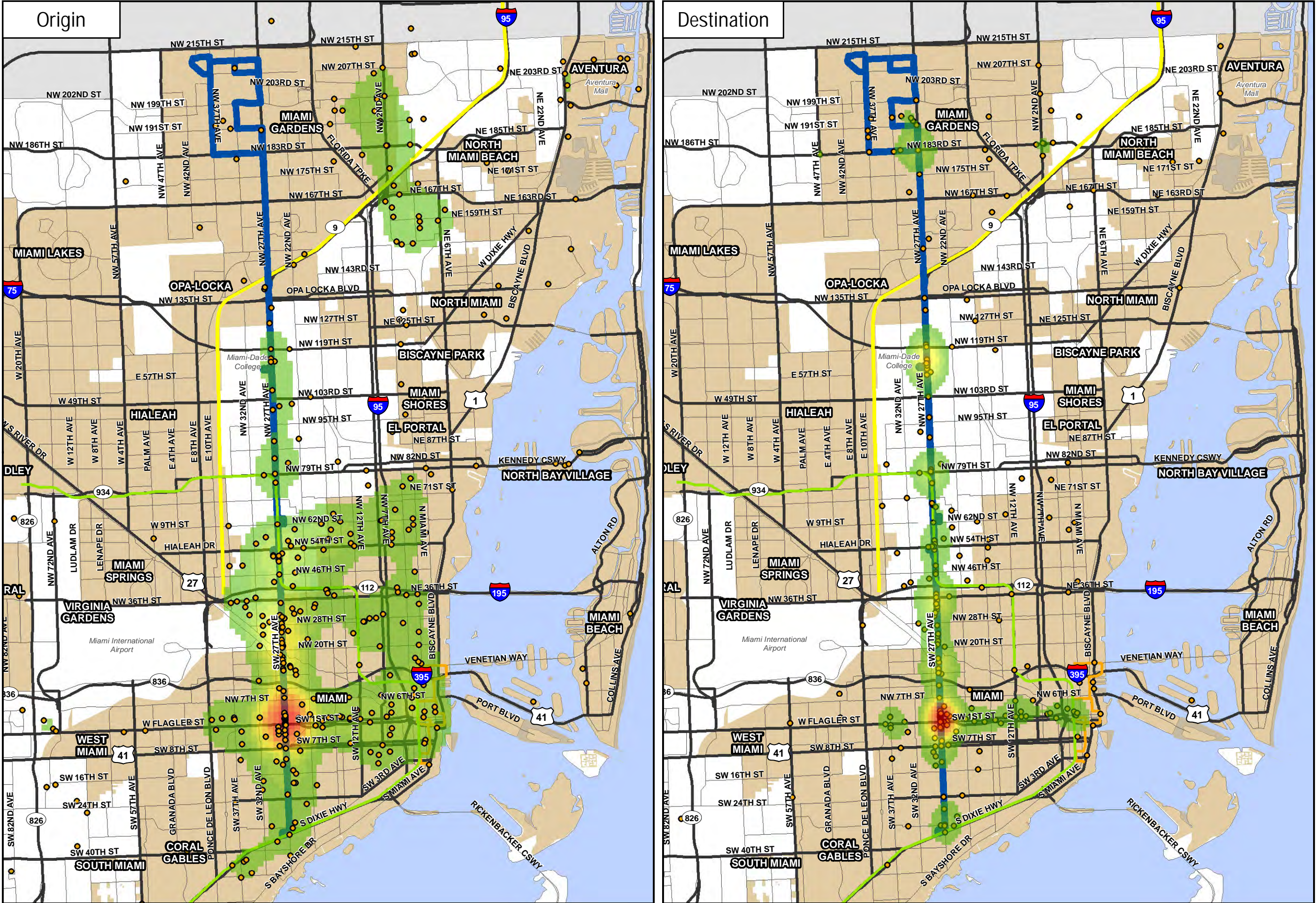
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 22
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 27



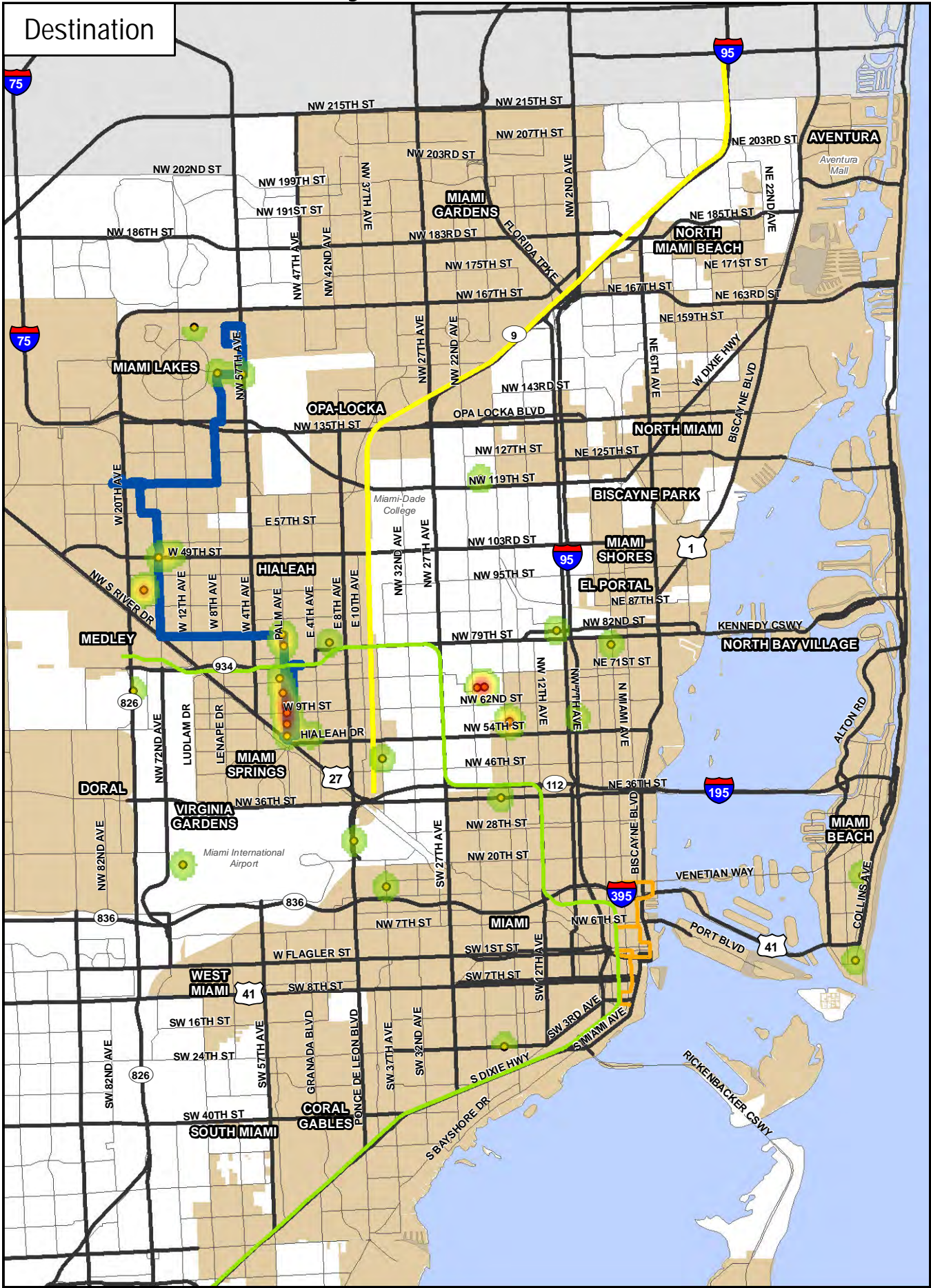
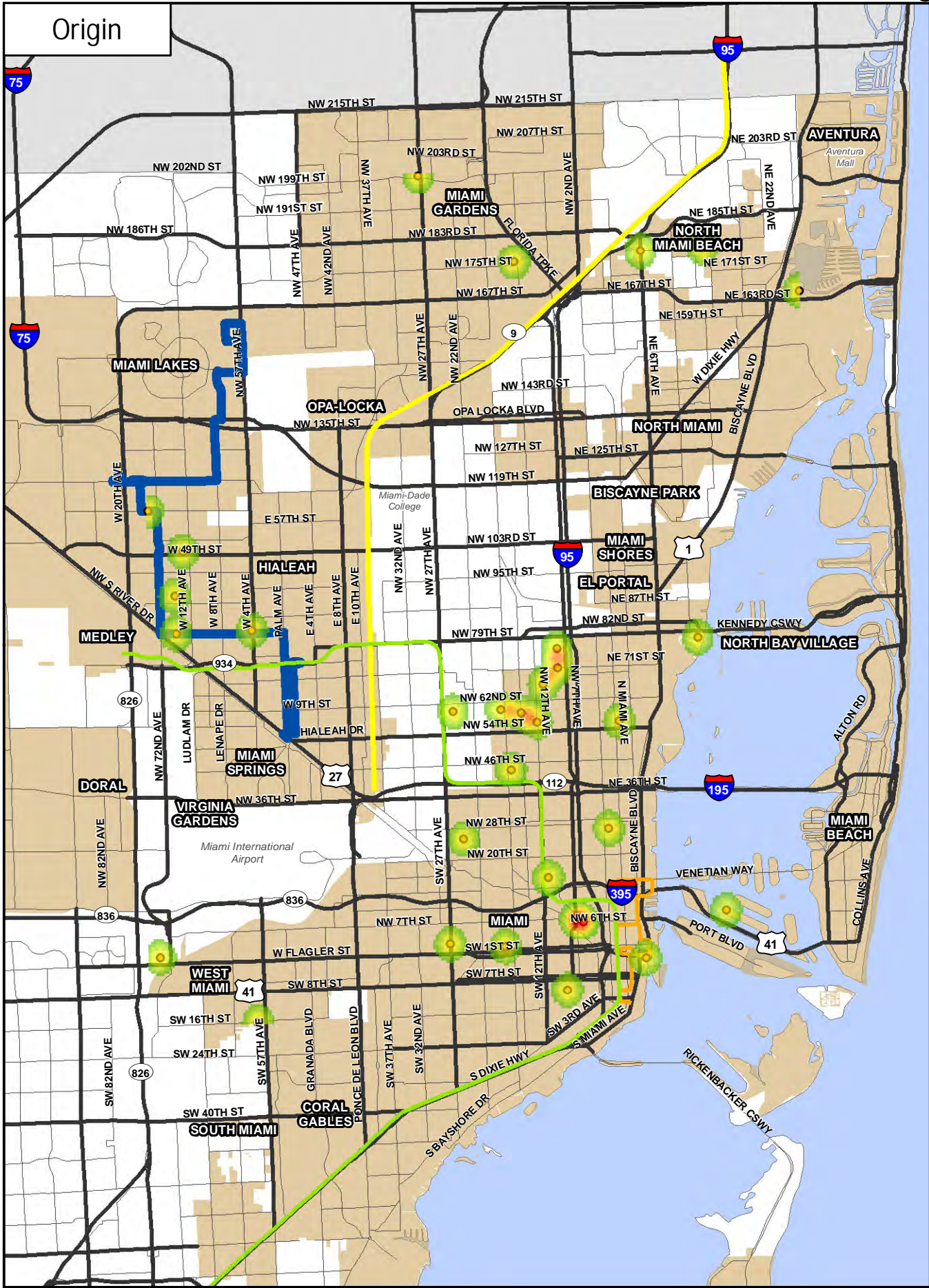
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 27
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 29



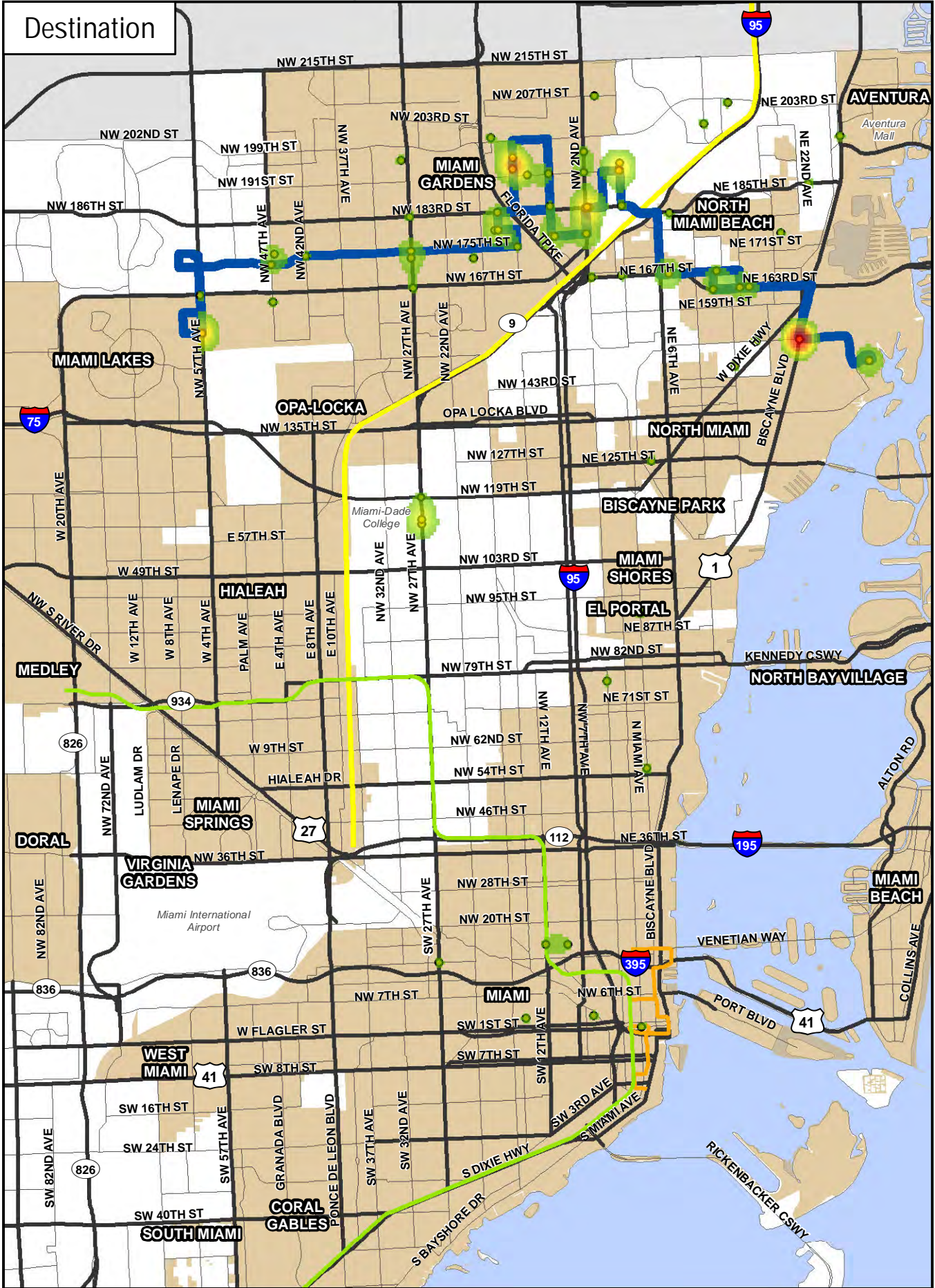
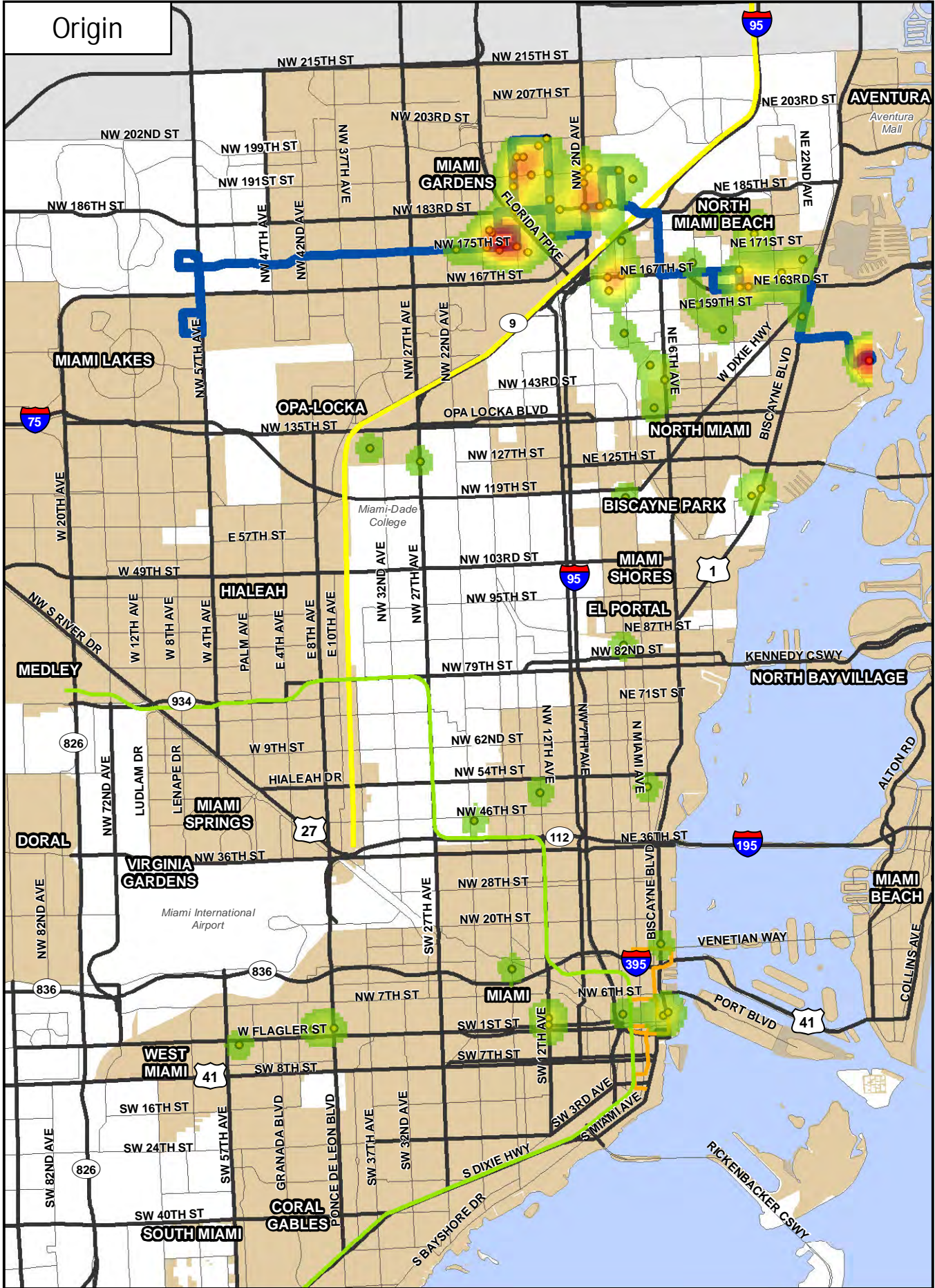
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 29
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 75



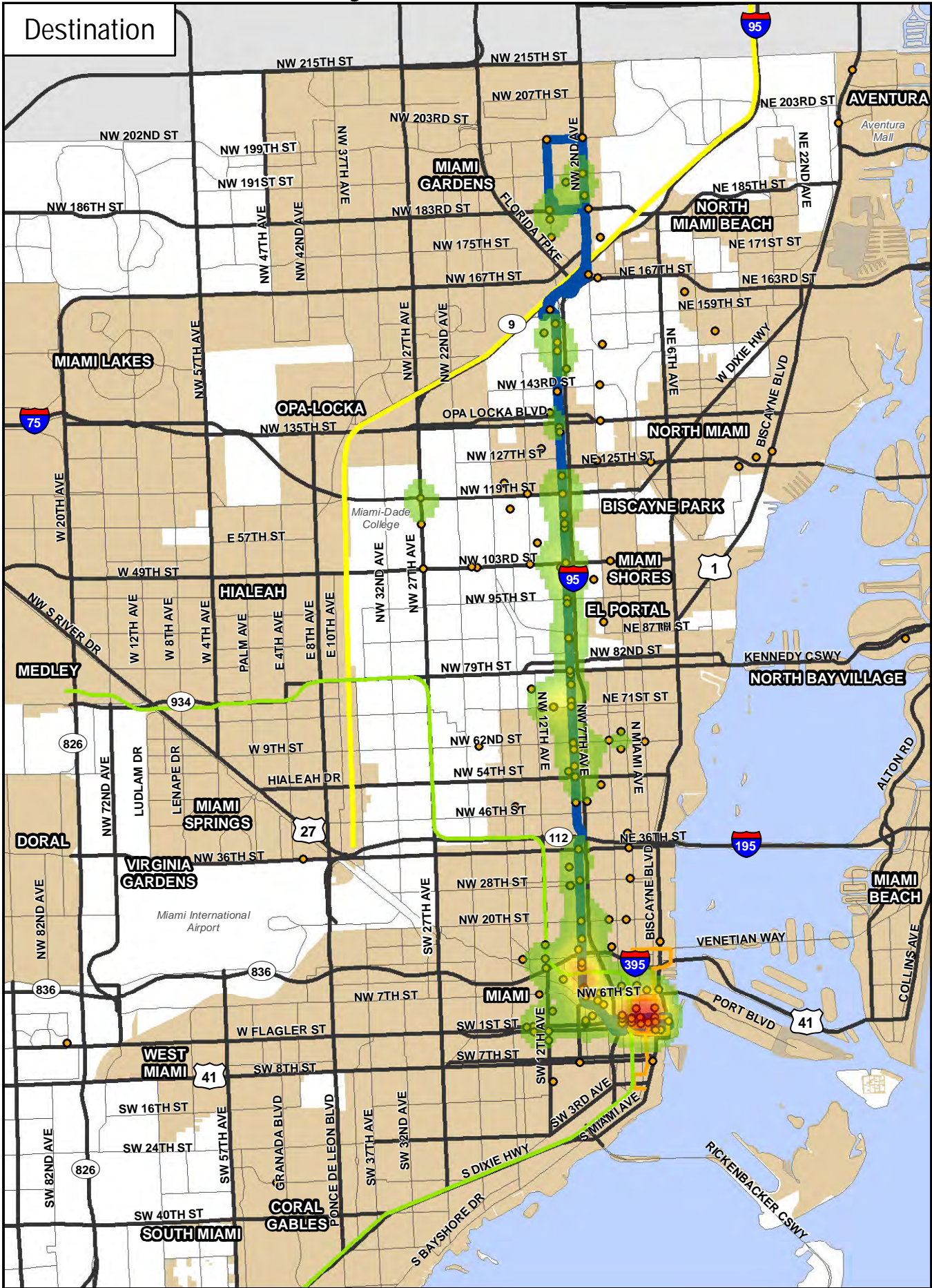
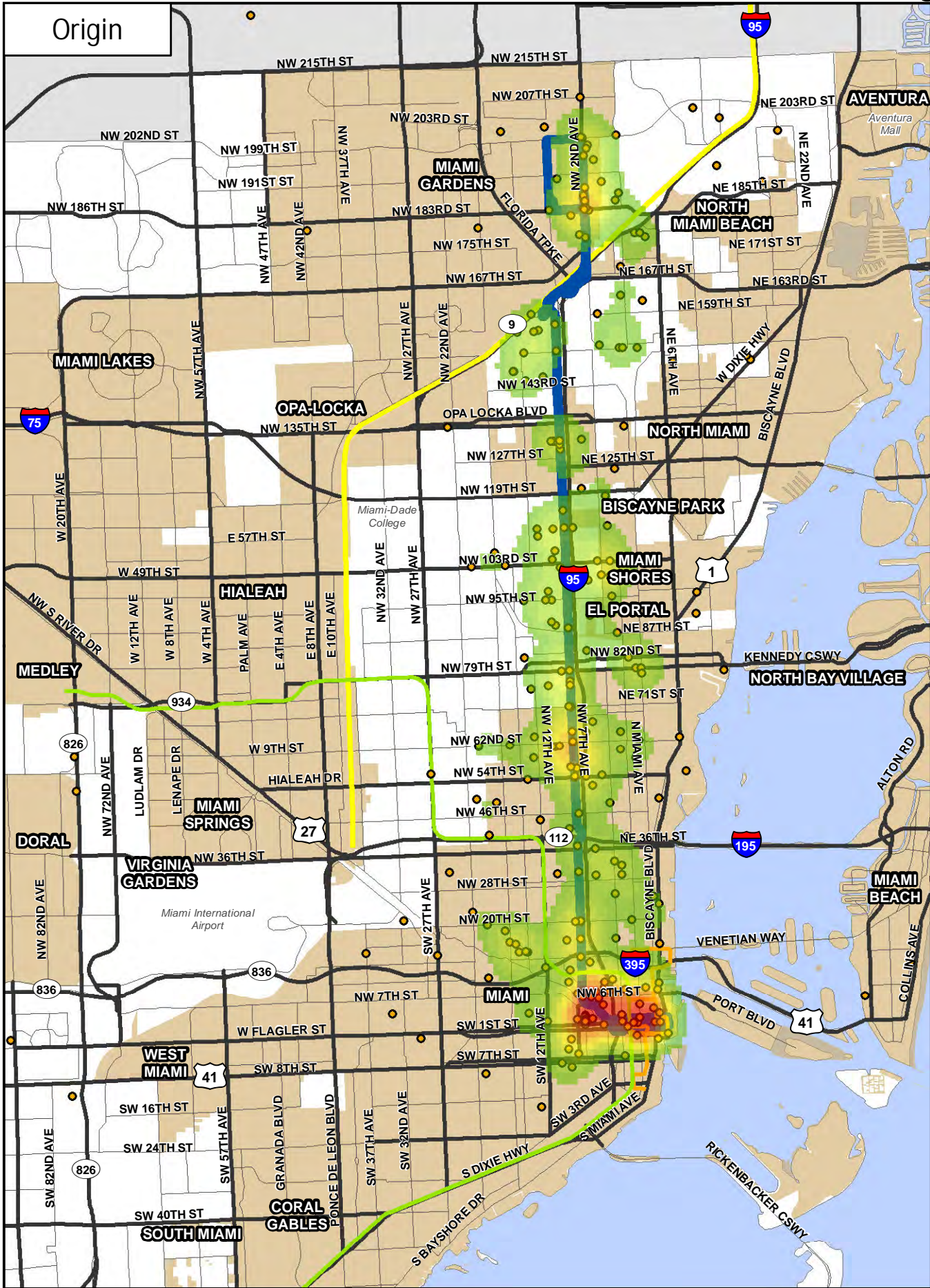
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 75
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 77



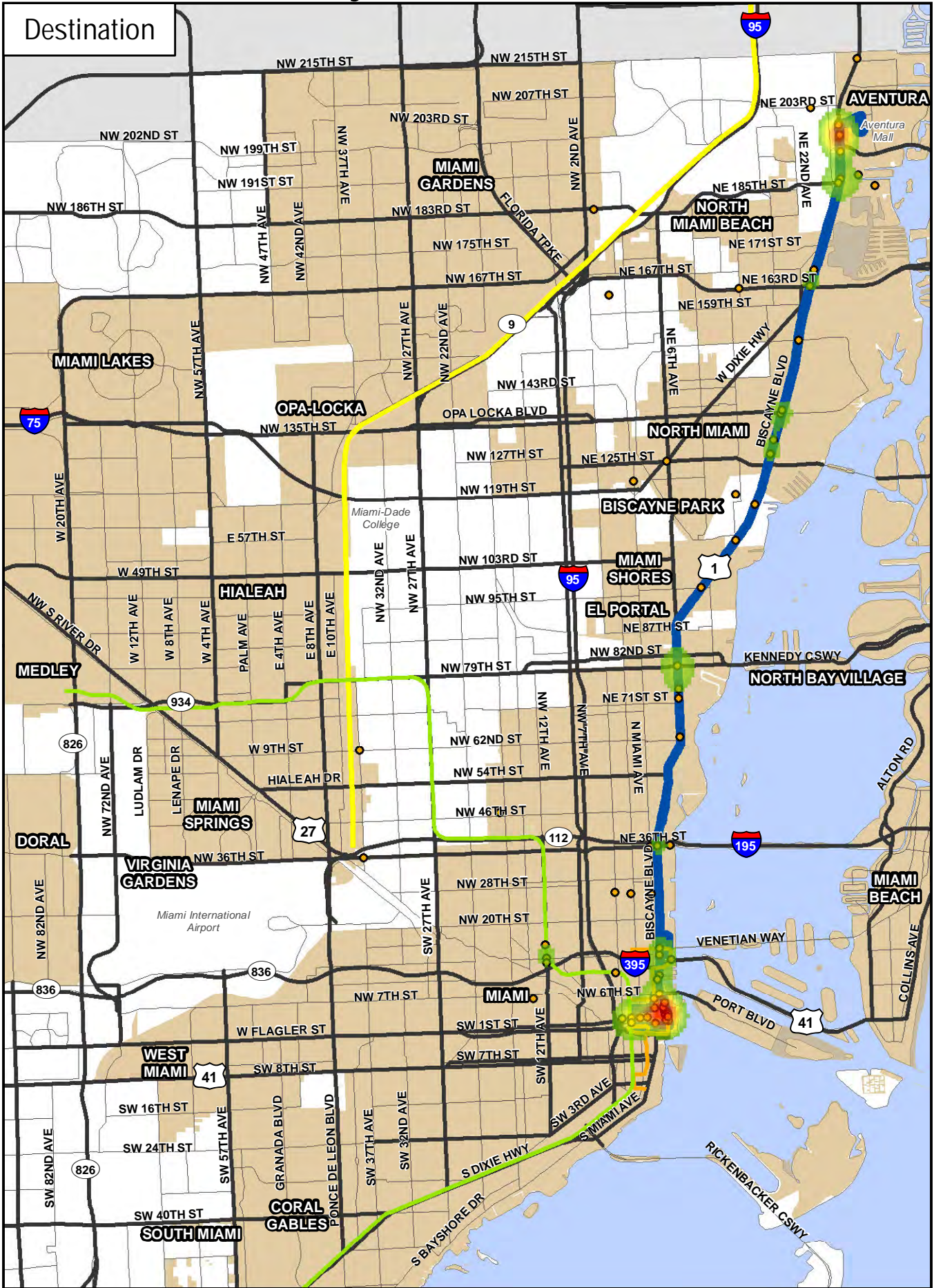
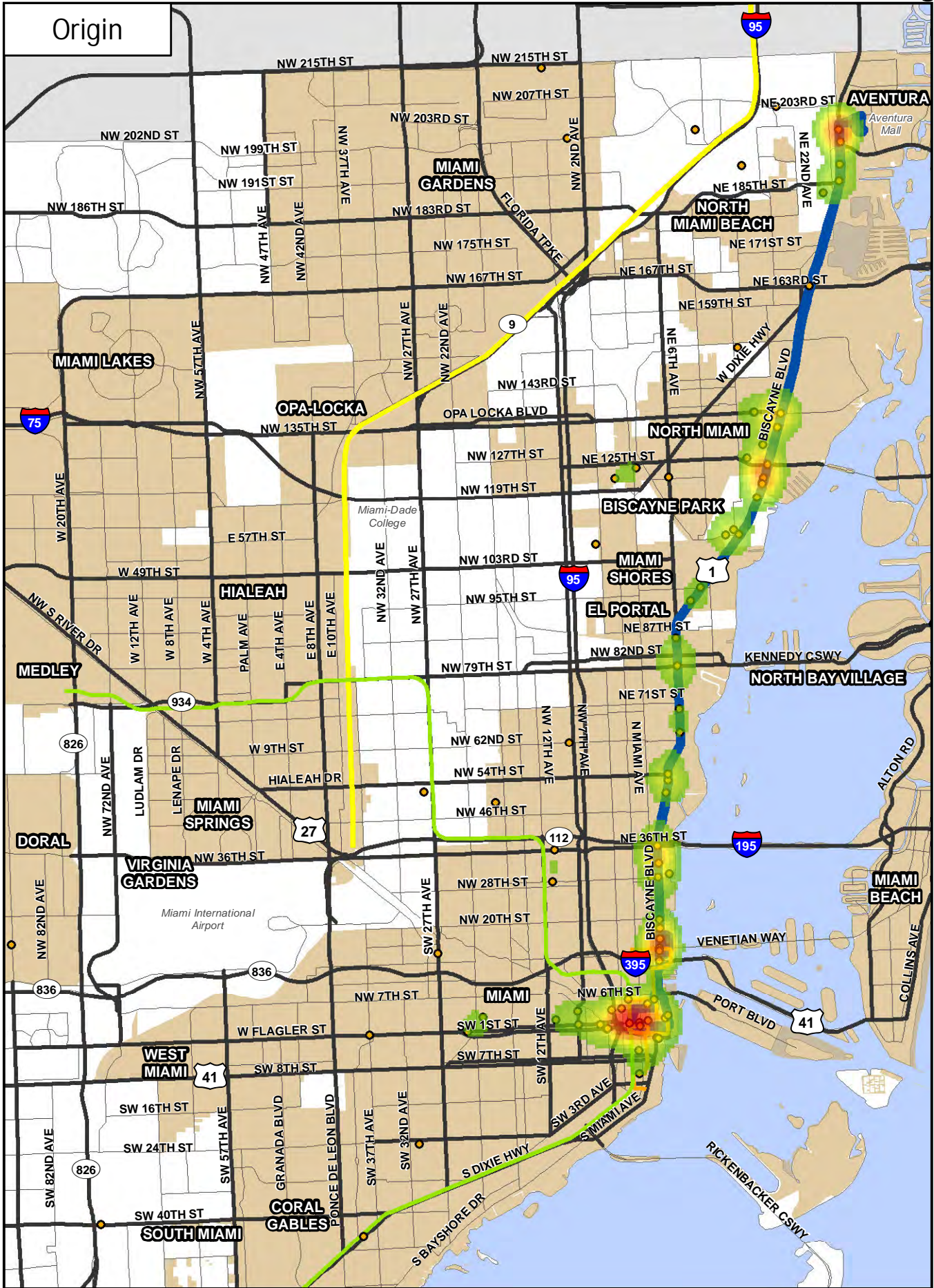
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 77
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 93



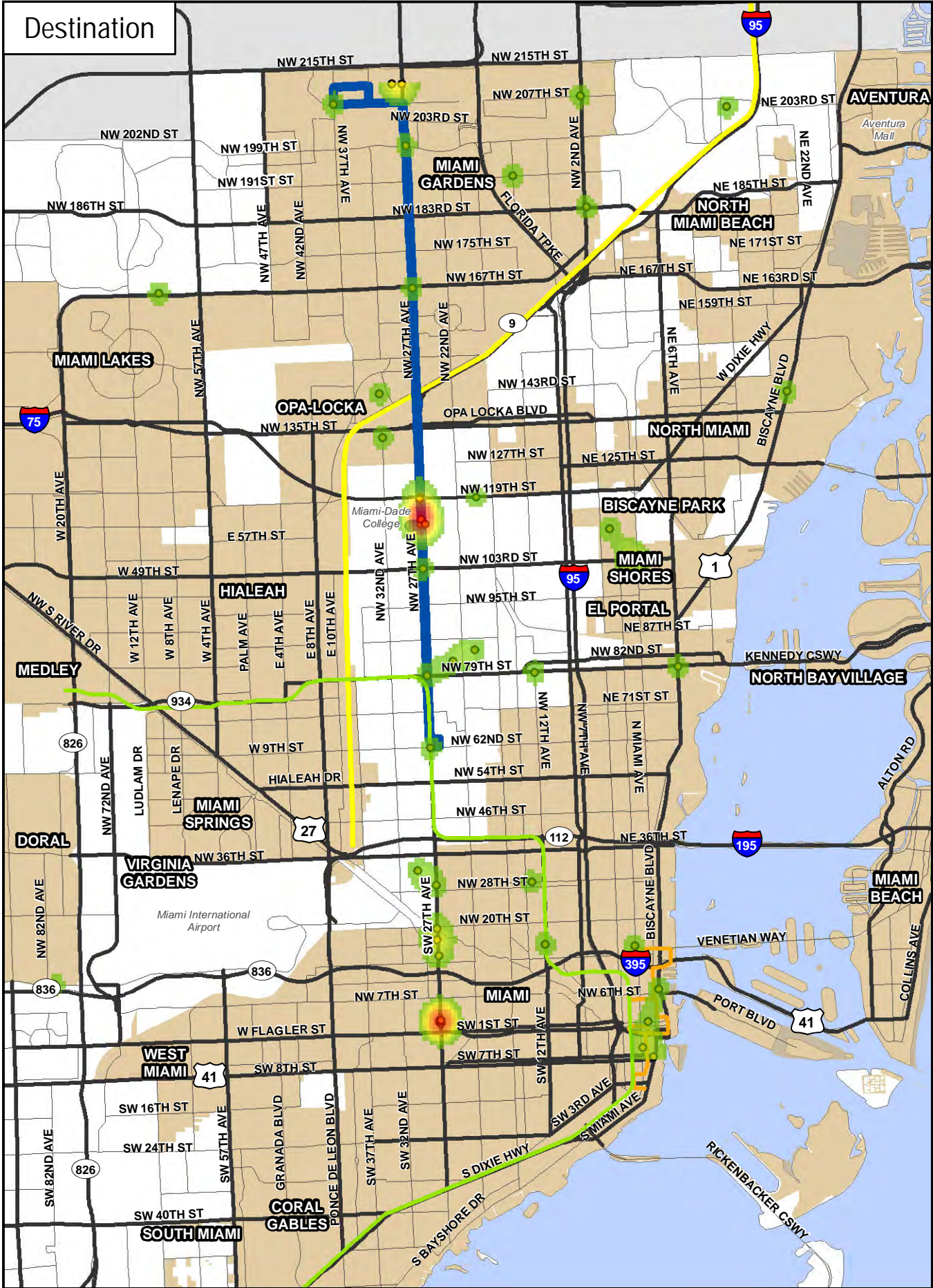
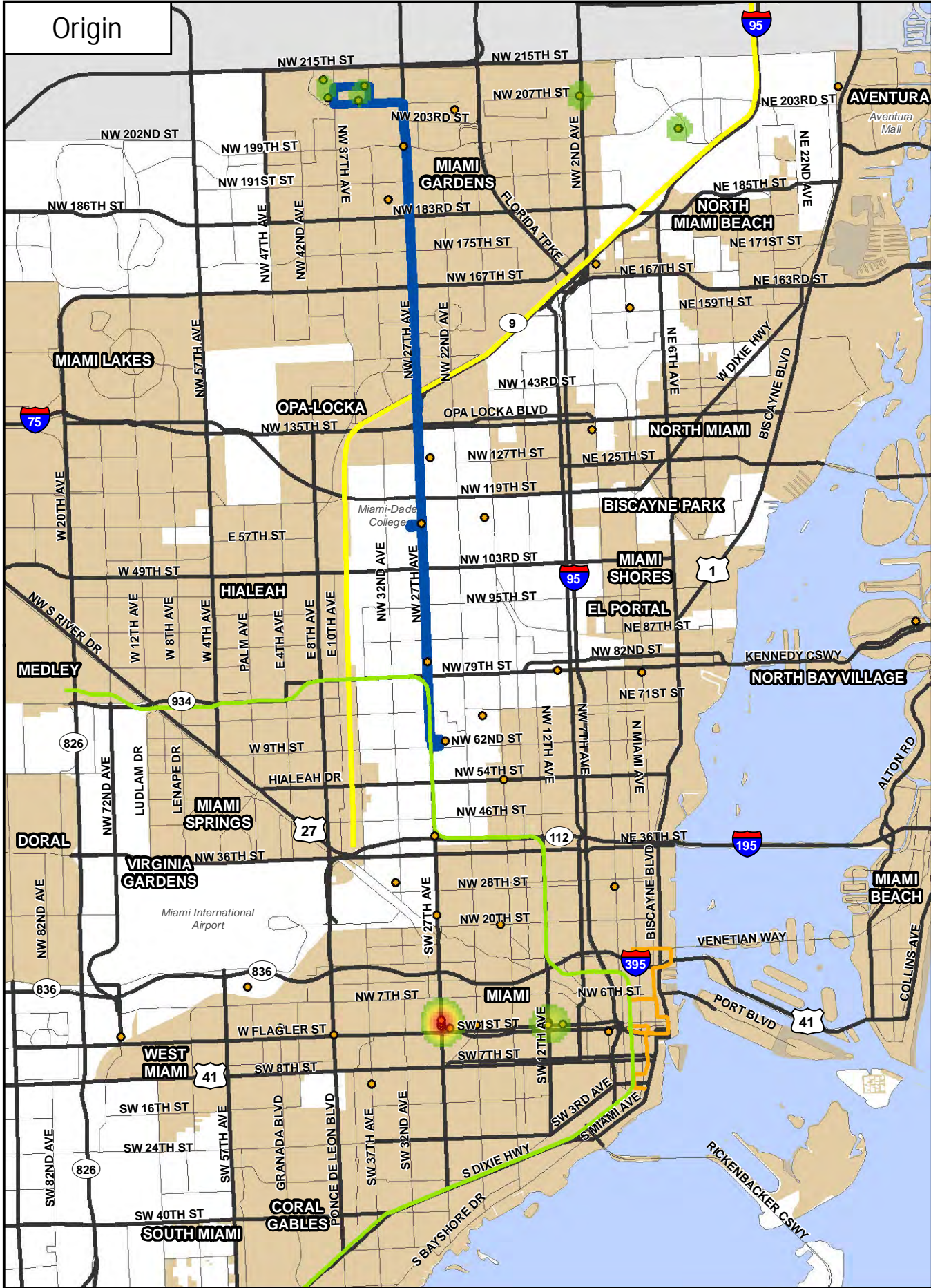
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 93
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 97



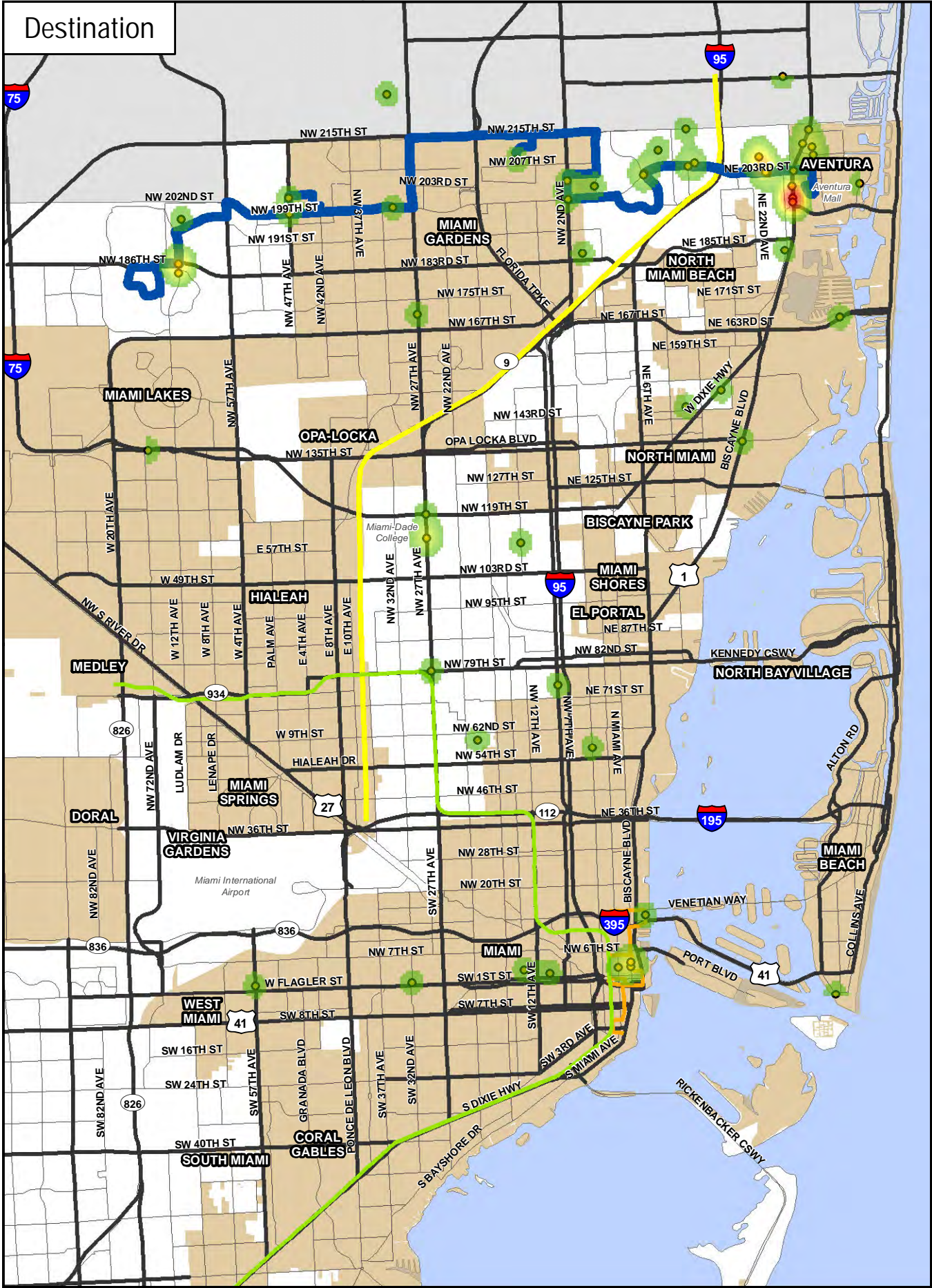
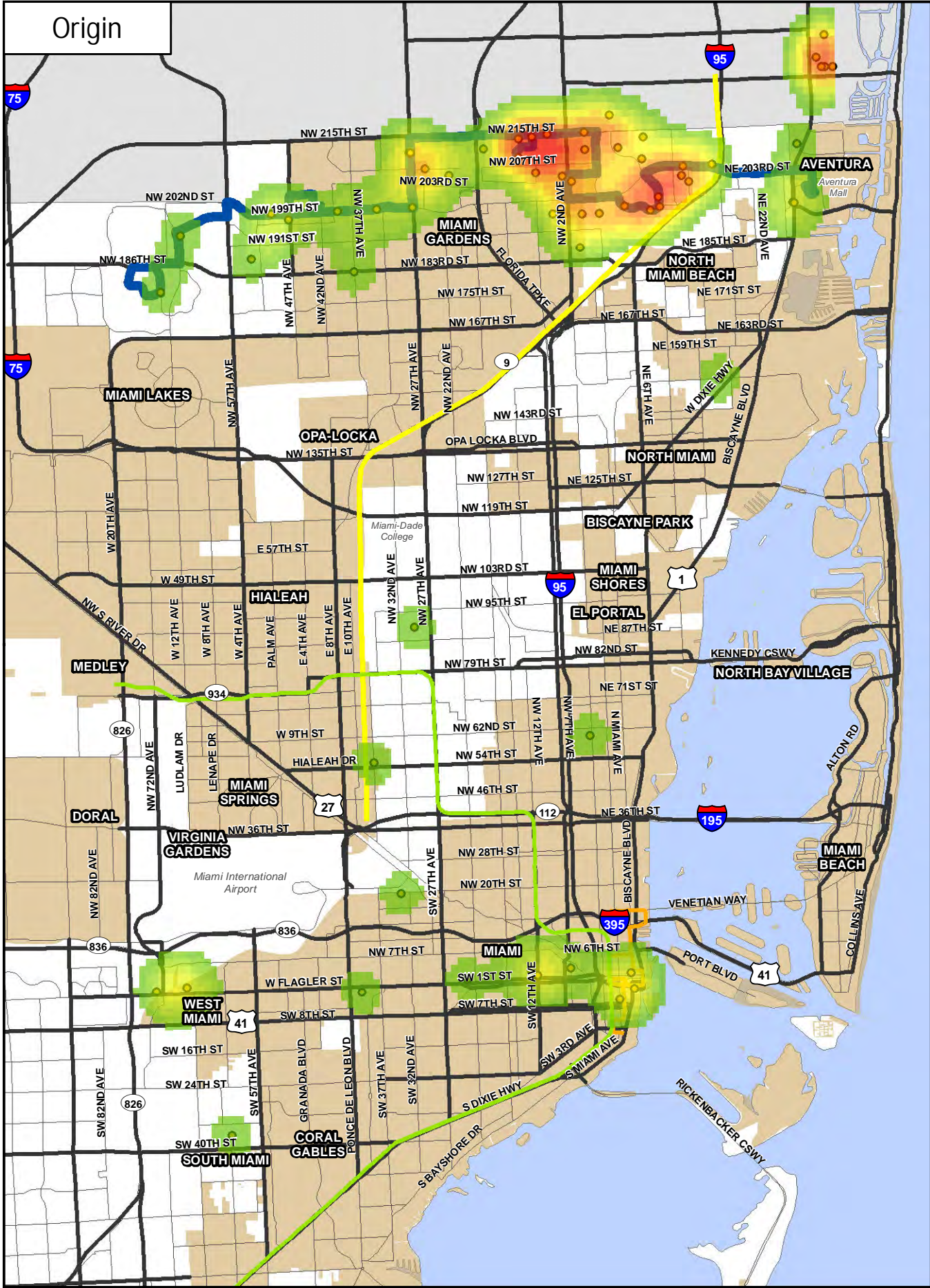
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 97
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 99



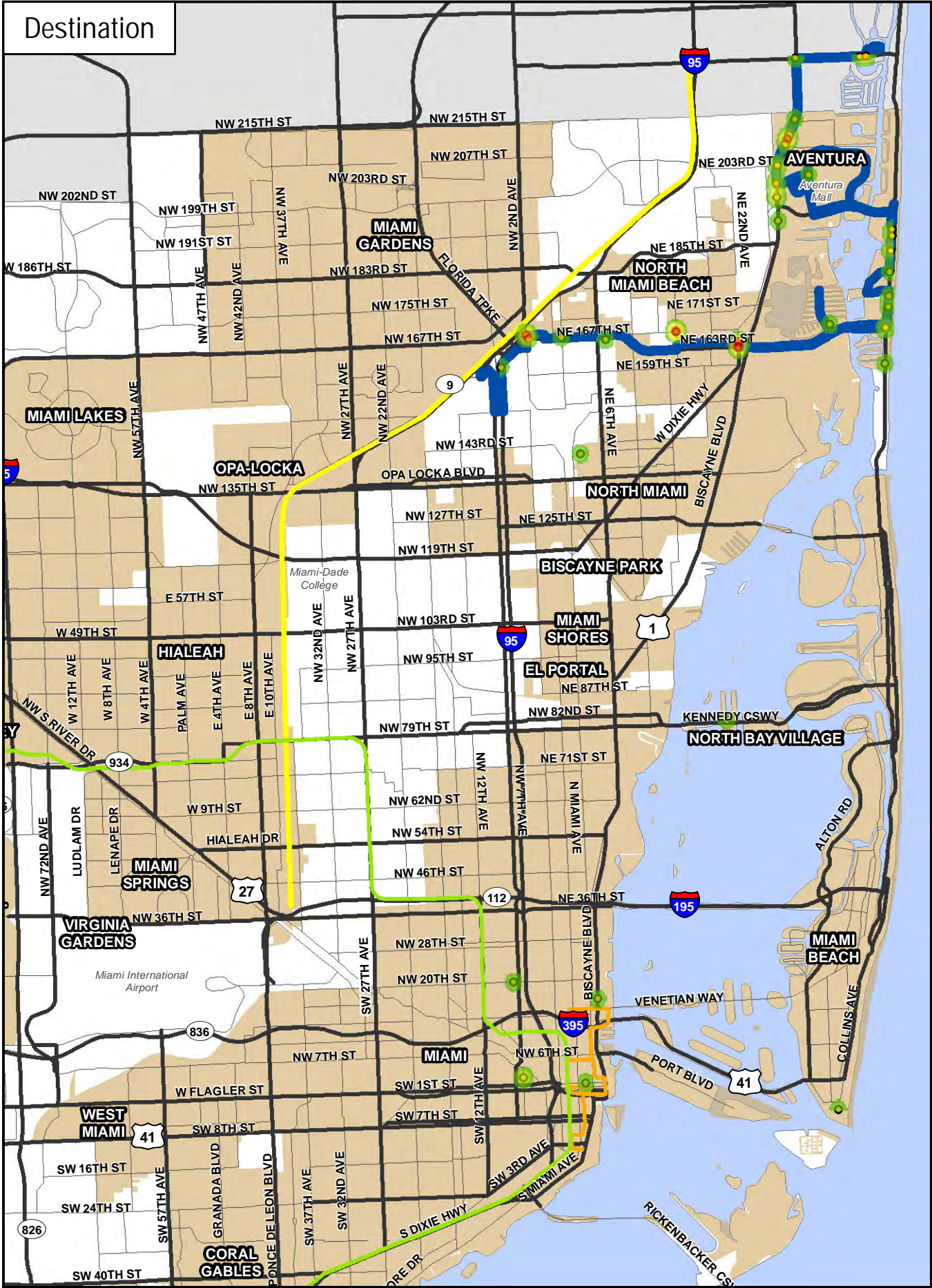
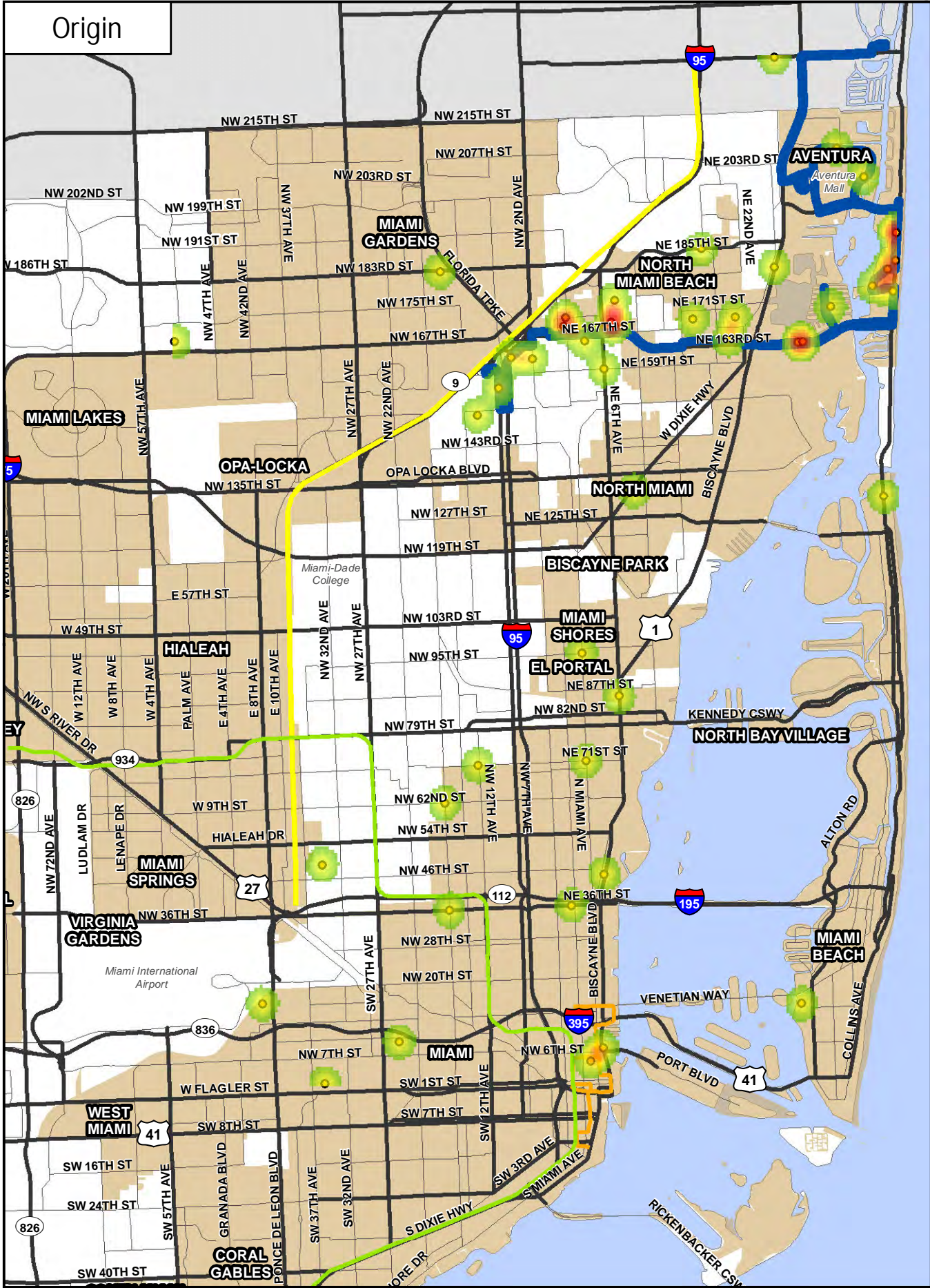
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 99
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 105



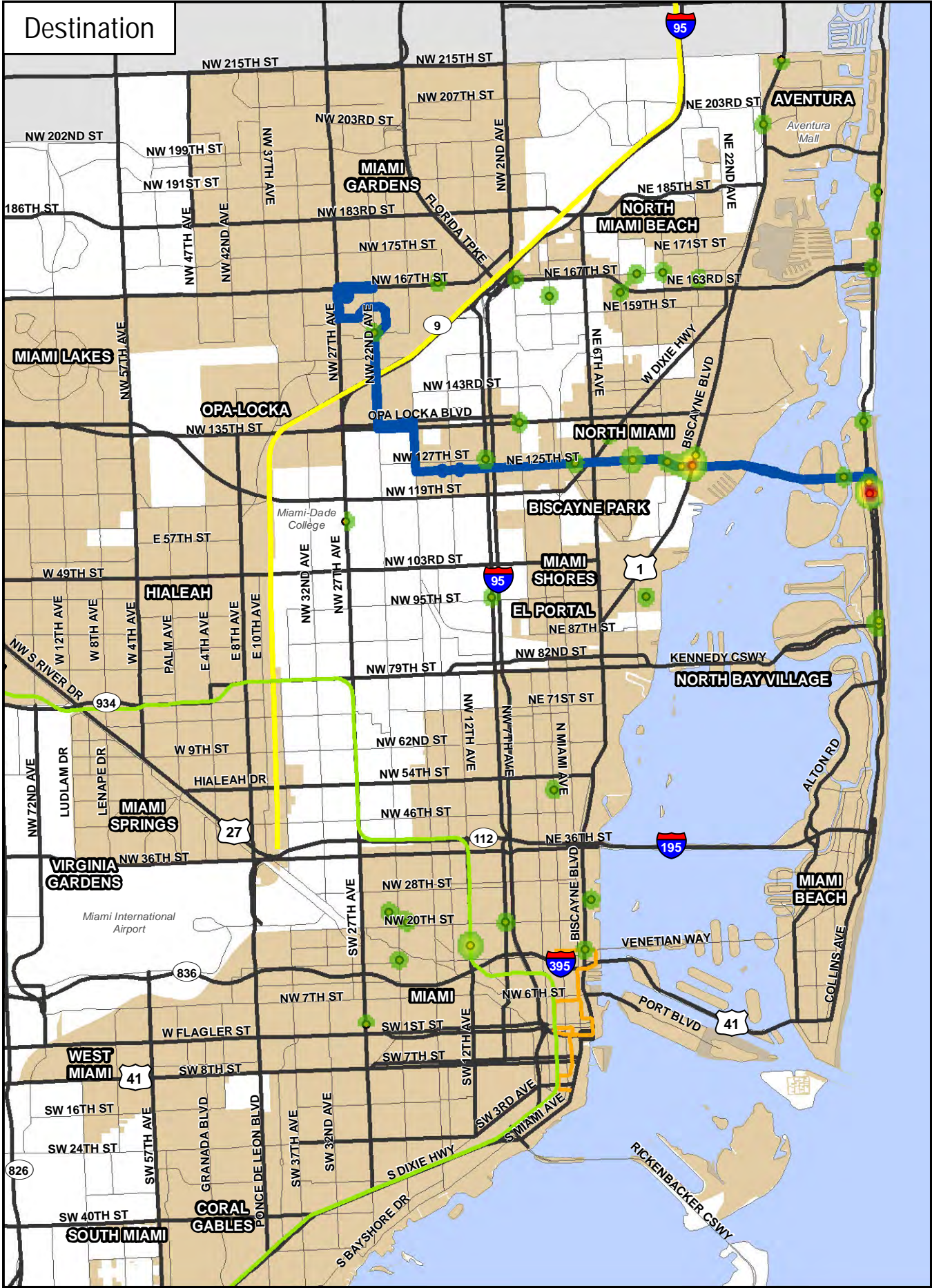
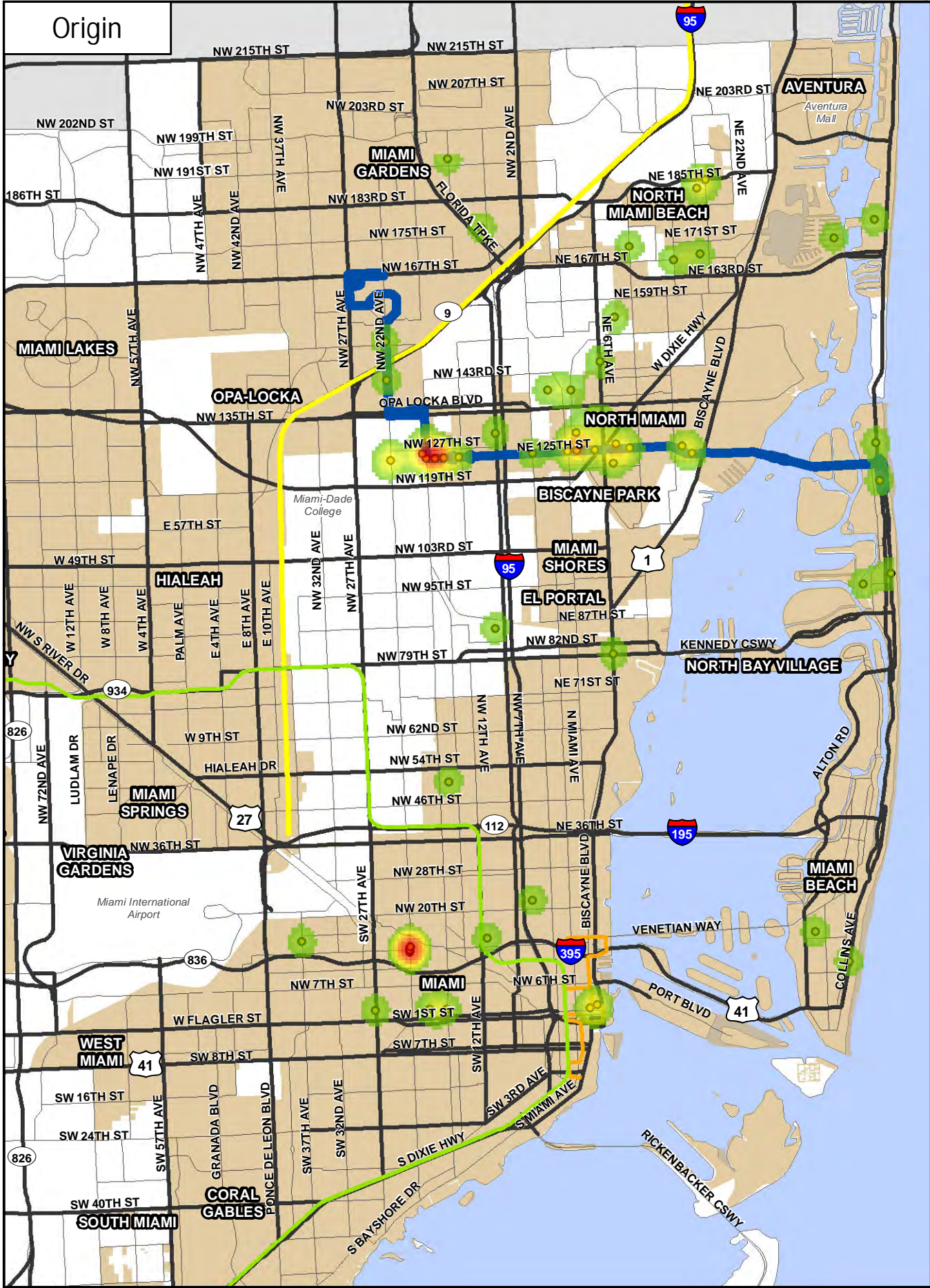
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 105
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 107



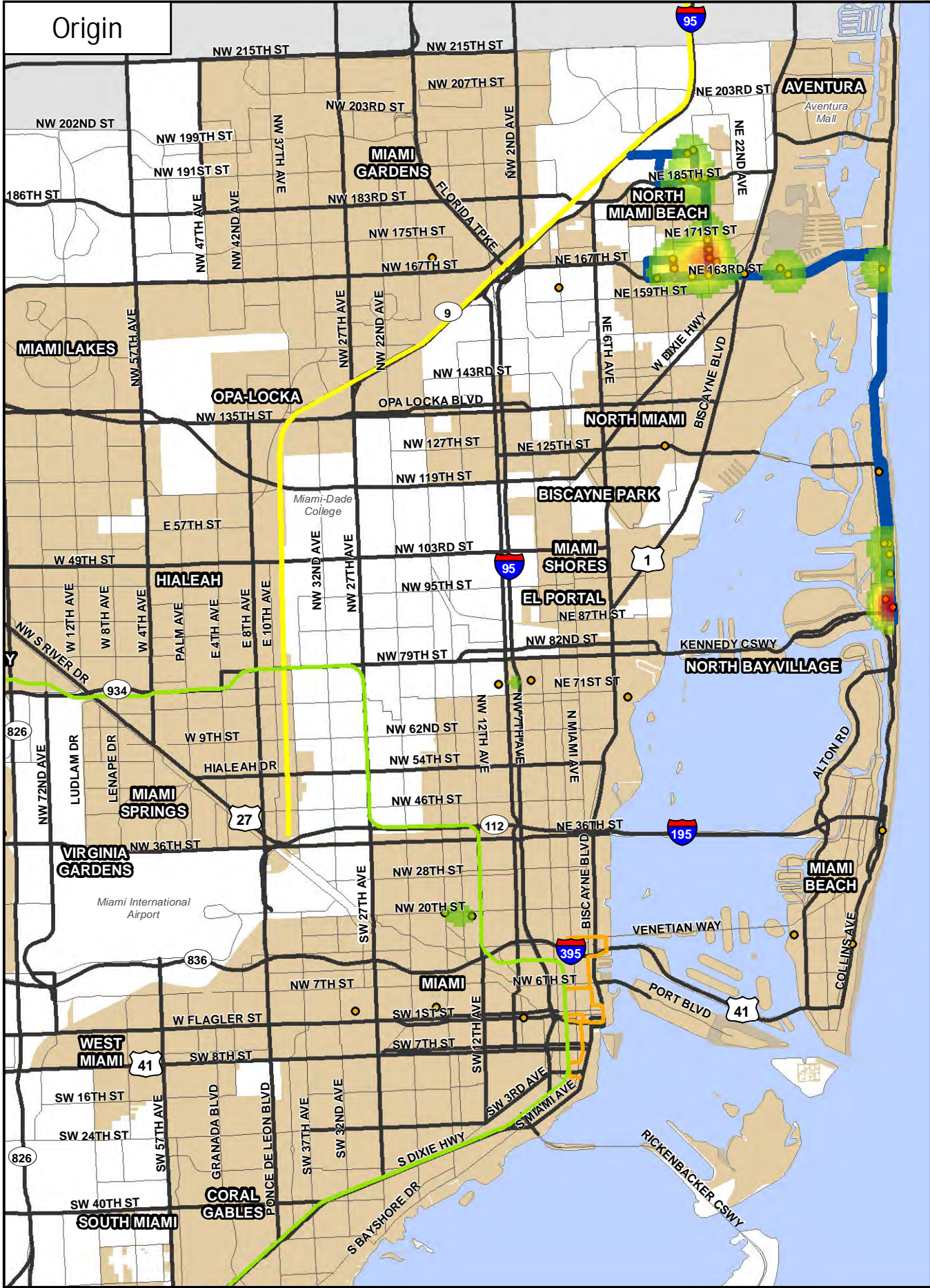
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 107
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 108



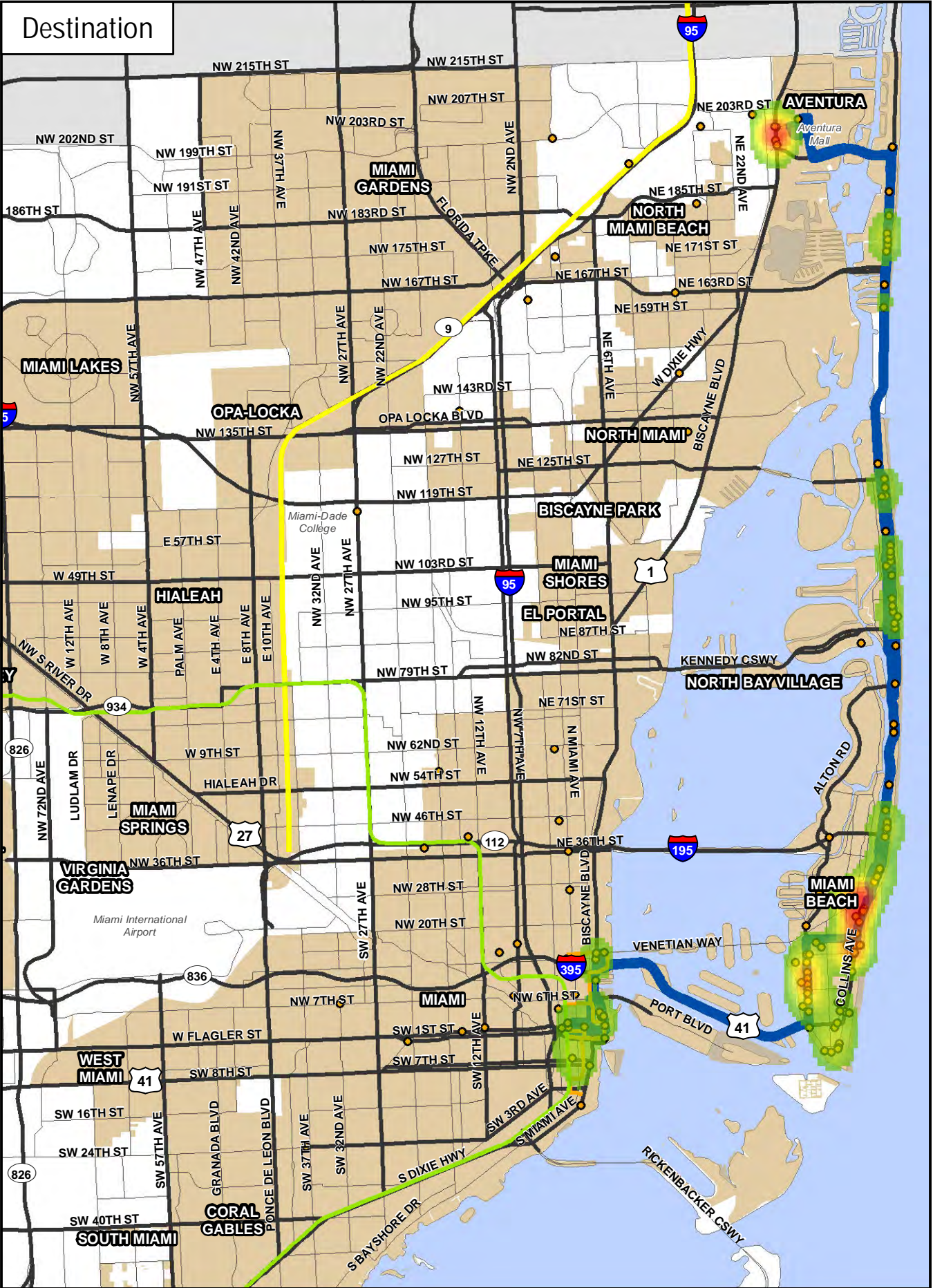
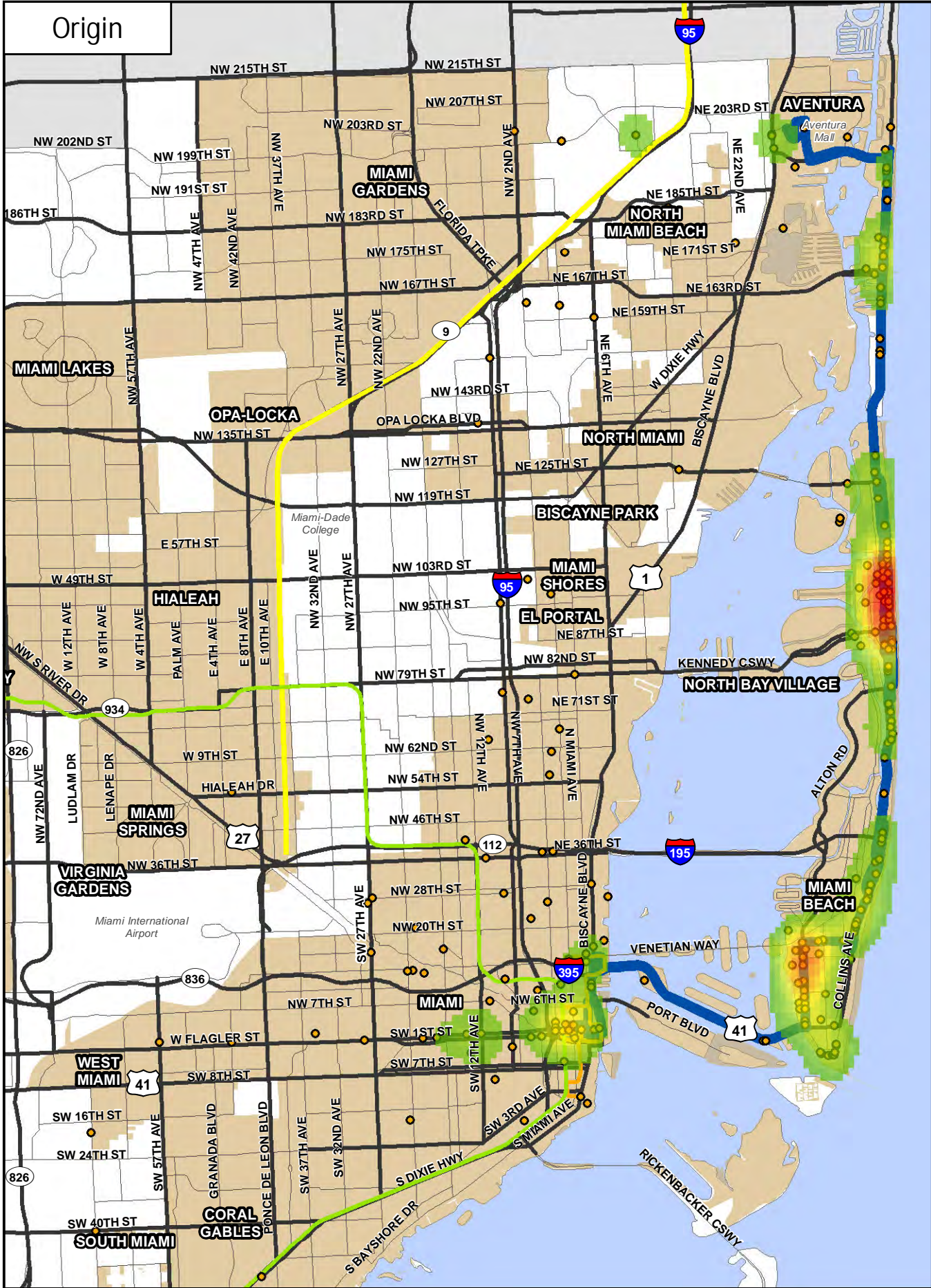
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 108
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 119



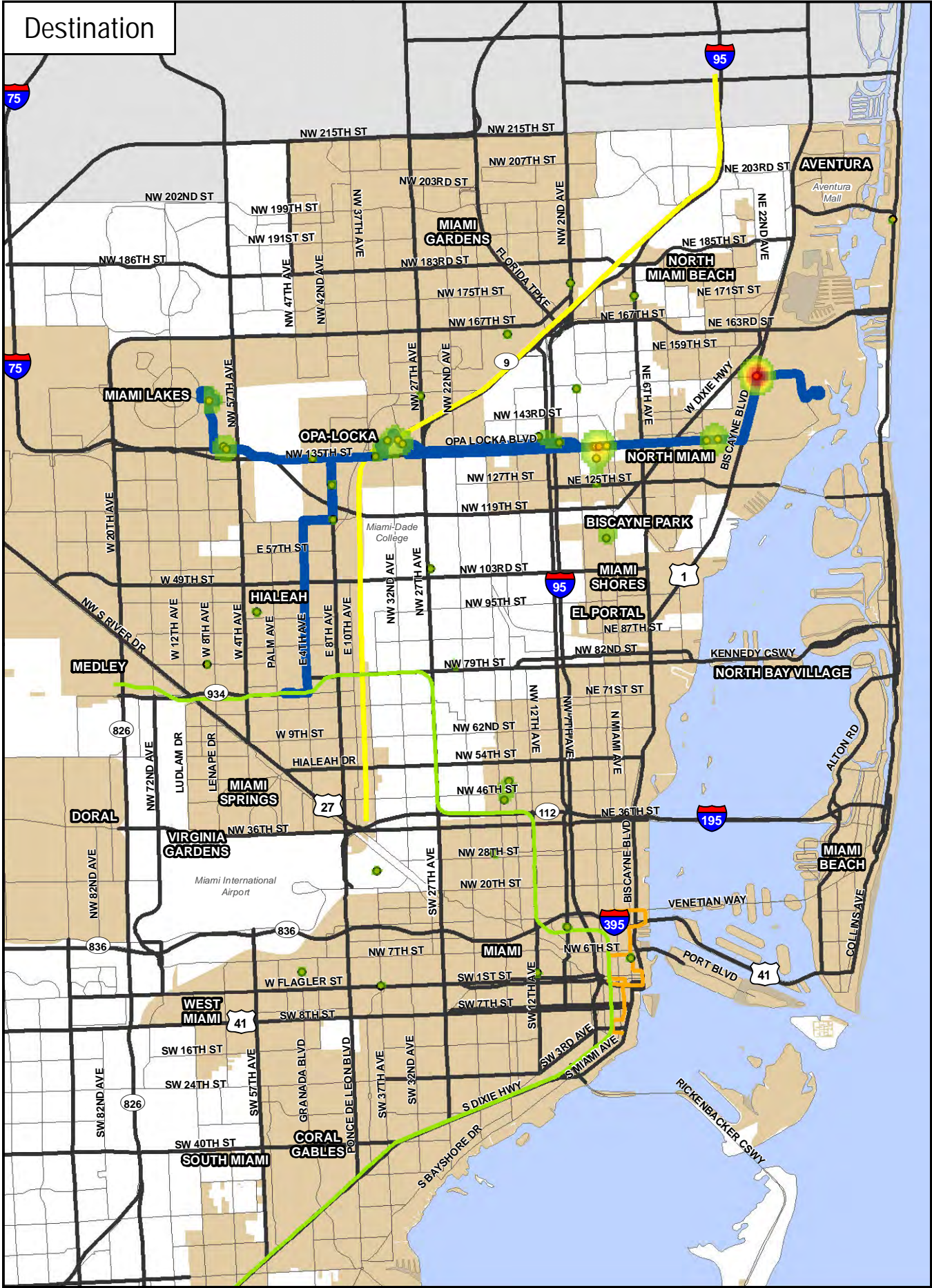
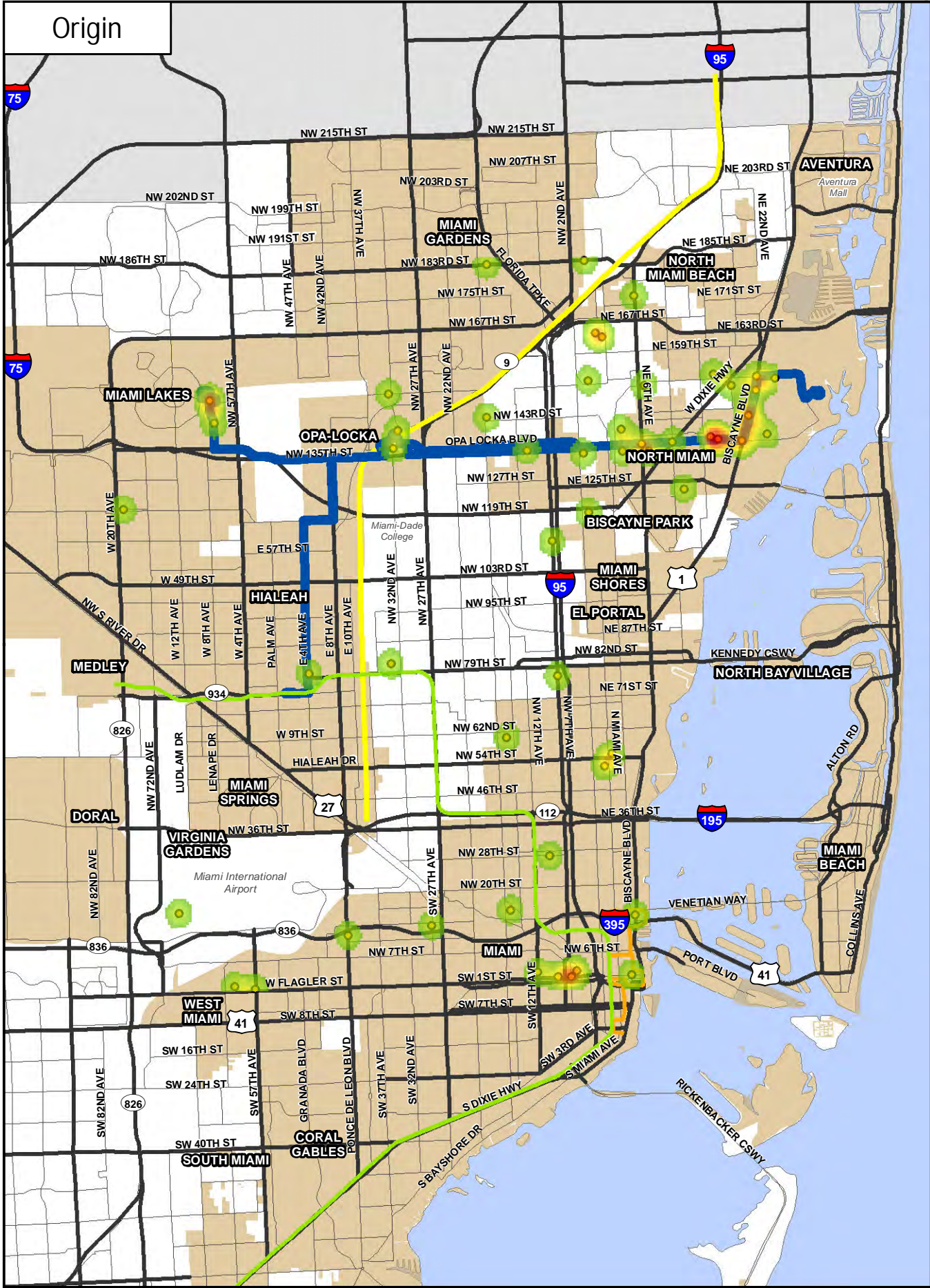
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 119
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 135



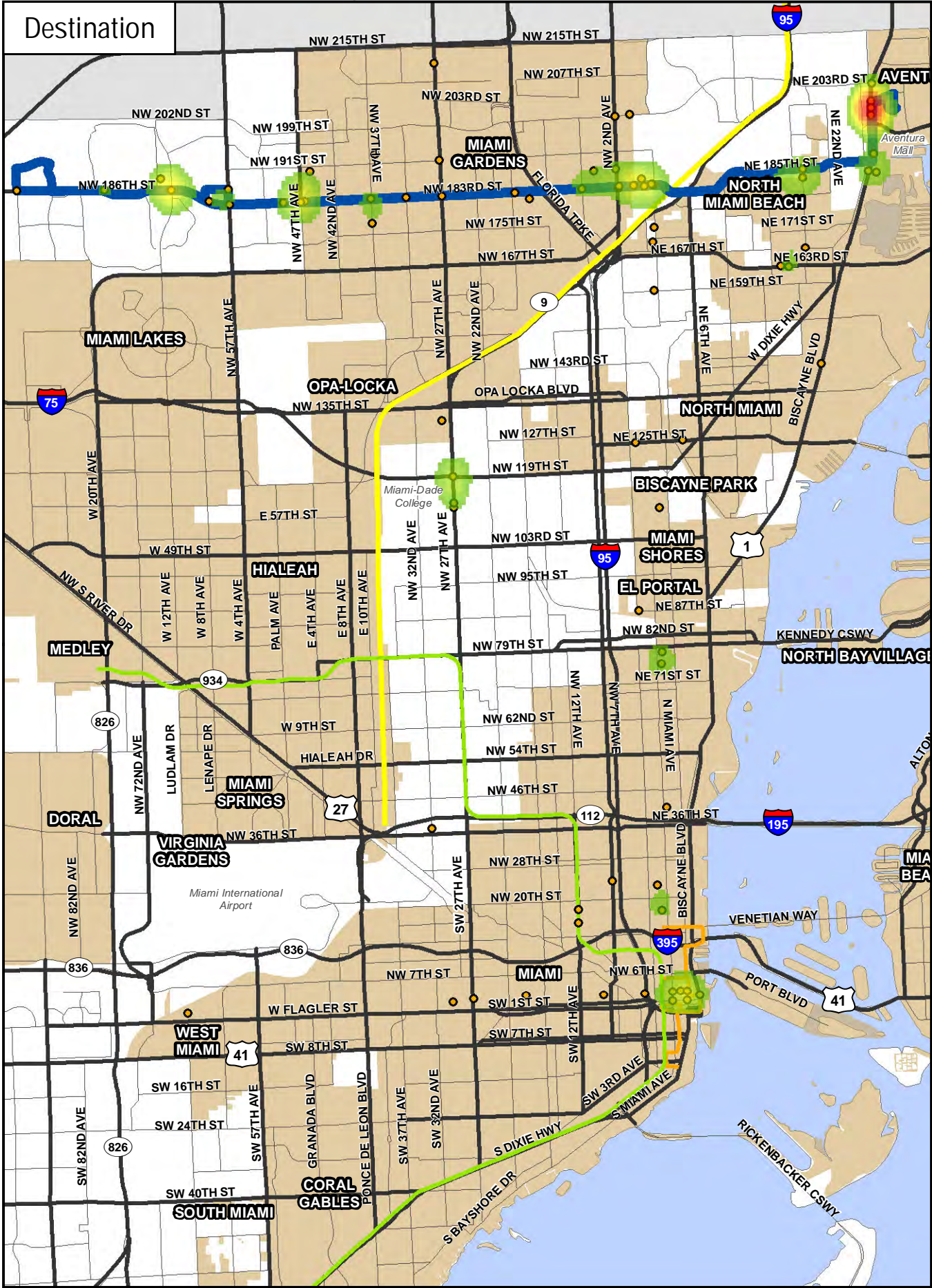
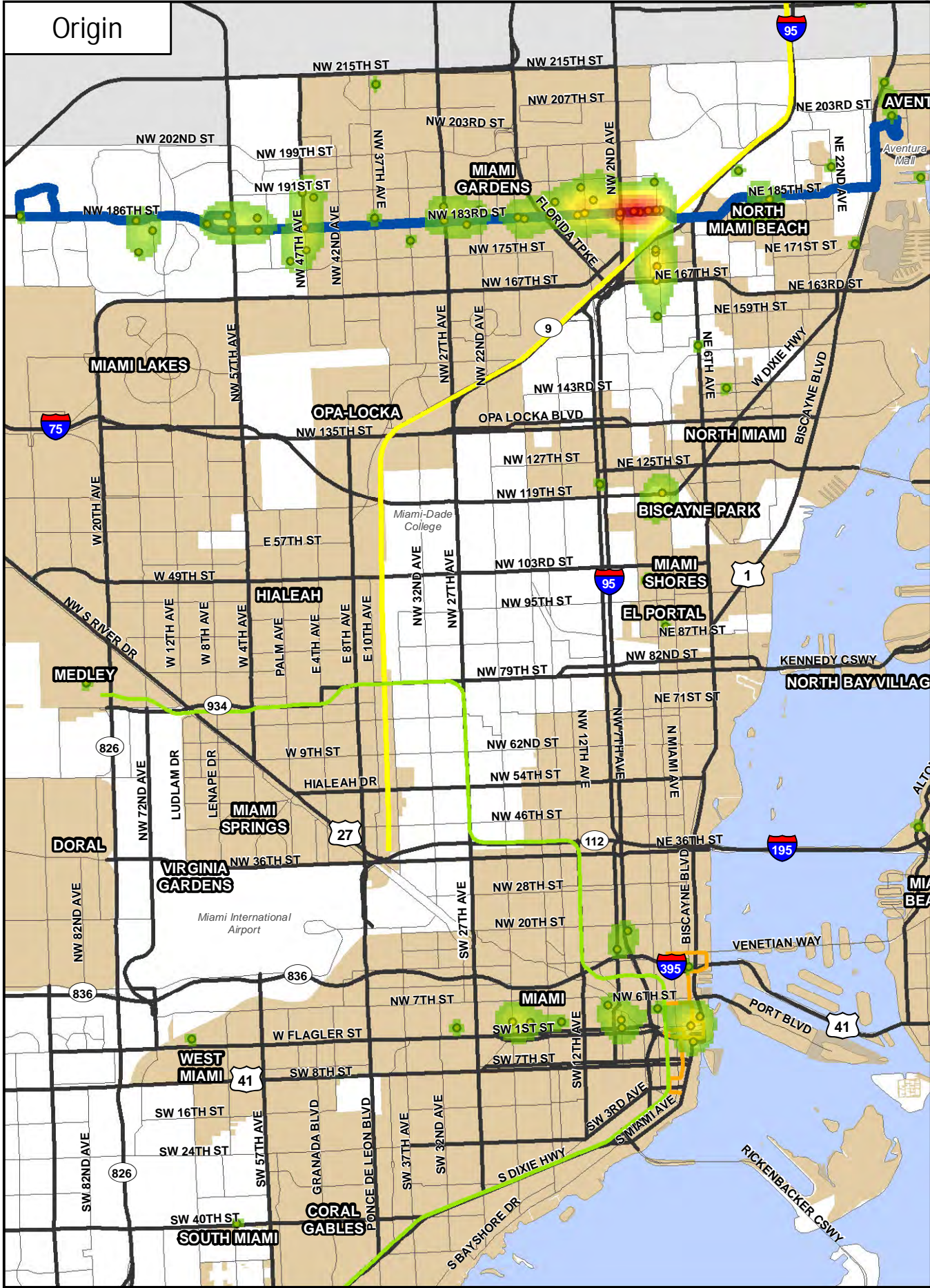
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 135
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 183



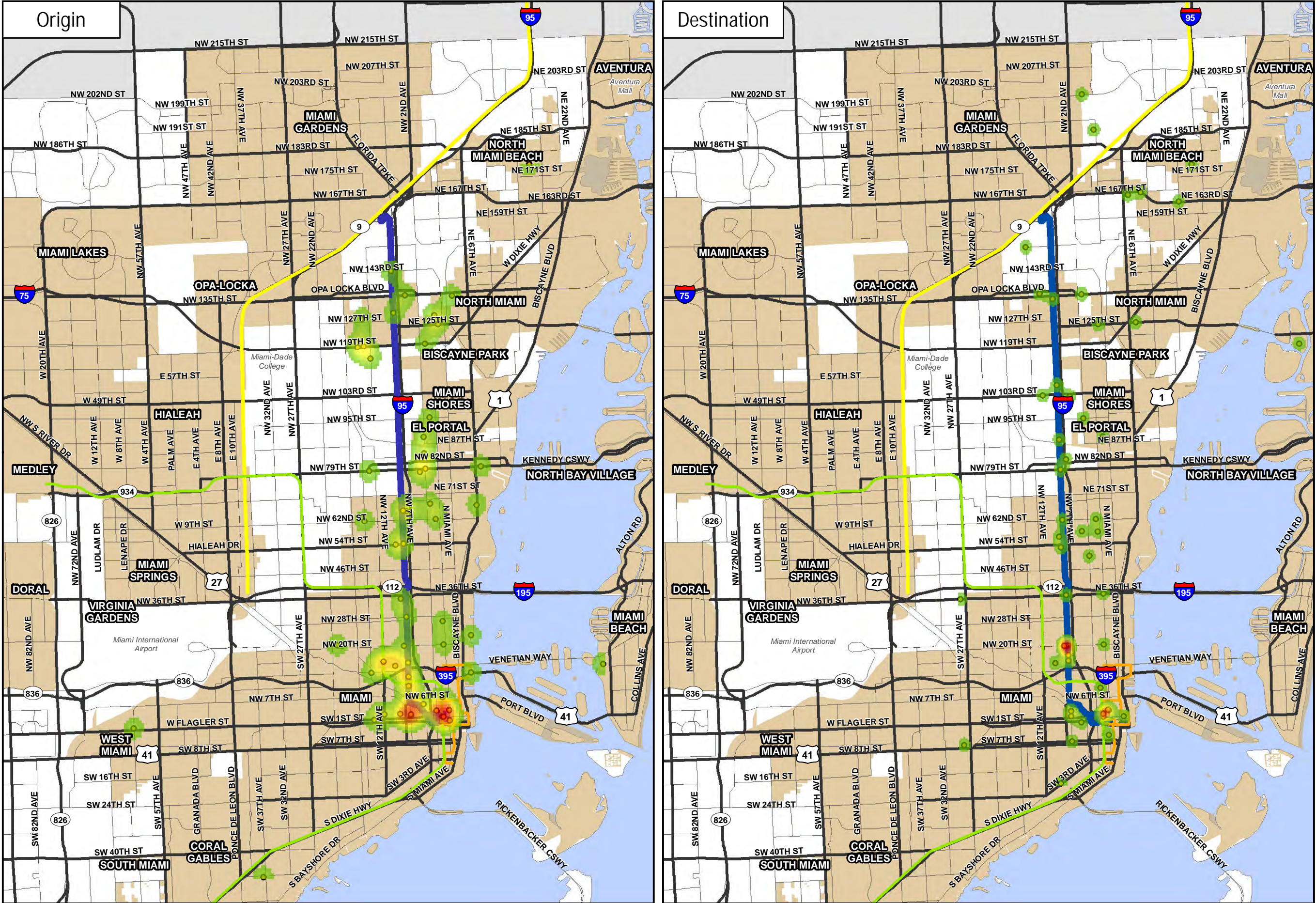
**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 183
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County





# Miami-Dade MPO Origin-Destination Survey - Bus Route 277



**Legend**

- Origin/Destination
- Density Assessment**
  - High Concentration of Trips
  - Medium Concentration of Trips
  - No Trip Recorded/Low Trip Concentration
- Bus Route 277
- Metrorail
- Metromover
- TriRail
- Major Roads
- Municipality
- Broward County Boundary
- Unincorporated Miami-Dade County







# APPENDIX A

## Transit Passenger Survey







# Miami-Dade Transit Passenger Survey

Survey Serial No: \_\_\_\_\_

The information you provide about your trip will help plan for public transit needs.

Please take a few minutes to complete this important survey.

**All information will be kept strictly confidential.**

MDT will not sell or provide your information to any other company or organization.



**1. Where did you **BEGIN** this one-way trip? (Check ONE only)**

- |                          |   |                          |
|--------------------------|---|--------------------------|
| a. Your <b>Workplace</b> | d. School (K-12)                        | g. Social / Recreational |
| b. Your <b>Home</b>      | e. College / University (students only) | h. Other _____           |
| c. Shopping              | f. Medical / Health Care                | (airport, hotel, etc.)   |

**2. What is the address or intersection where you **BEGAN** this one-way trip?**

a. Exact Street Address (eg., 123 **NW 1st Street**): \_\_\_\_\_

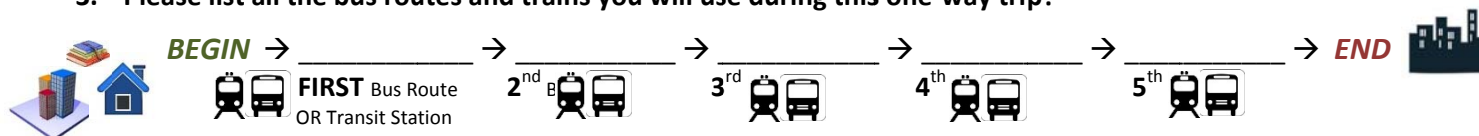
Or **ONLY** if street address is not known: \_\_\_\_\_ & \_\_\_\_\_

**NW 1st Street**

**NE 2nd Avenue**

b. What is the name of the place (eg., Walmart, Metrocenter): \_\_\_\_\_

**3. Please list all the bus routes and trains you will use during this one-way trip?**



**4. How did you get to the **FIRST** transit stop? (Check ONE only)**

- |   |   |
|---|---|
| a. Walk   | b. Bicycle                              |
| <input type="checkbox"/> Up to ¼ mile (0-2 blocks)      | c. Drove a vehicle I parked @ _____     |
| <input type="checkbox"/> ¼ - ½ mile (3-4 blocks)        | d. Dropped off by someone @ _____       |
| <input type="checkbox"/> ½ - ¾ mile (5-6 blocks)        | e. Rode with someone who parked @ _____ |
| <input type="checkbox"/> ¾-1 mile (7-8 blocks)          | f. Other: _____                         |
| <input type="checkbox"/> 1-2 miles (9-16 blocks)        |   |
| <input type="checkbox"/> More than 2 miles (>17 blocks) |   |

**5. Where did you **GET ON THIS** bus?**

Cross Street: \_\_\_\_\_ & \_\_\_\_\_ or Transit Center: \_\_\_\_\_

**NW 1st Street**

**NE 2nd Avenue**

**6. Where will you **GET OFF THIS** bus?**

Cross Street: \_\_\_\_\_ & \_\_\_\_\_ or Transit Center: \_\_\_\_\_

**NW 1st Street**

**NE 2nd Avenue**

**7. Where will you **END** this one-way trip? (Check ONE only)**

- |                          |   |                          |
|--------------------------|---|--------------------------|
| a. Your <b>Workplace</b> | d. School (K-12)                        | g. Social / Recreational |
| b. Your <b>Home</b>      | e. College / University (students only) | h. Other _____           |
| c. Shopping              | f. Medical / Health Care                | (airport, hotel, etc.)   |

**8. What is the address or intersection of the place where you are going now to **END** your one-way trip?**

a. Exact Street Address (eg., 123 **NW 1st Street**): \_\_\_\_\_

**ONLY** if street address is not known: \_\_\_\_\_ & \_\_\_\_\_

**NW 1st Street**

**NE 2nd Avenue**

b. What is the name of the place (eg., Walmart, Metrocenter): \_\_\_\_\_

Date: \_\_\_\_/\_\_\_\_/2012 Time: \_\_\_\_:\_\_\_\_ AM/PM Bus #: \_\_\_\_\_ Route: \_\_\_\_\_ Direction: Inbound/Outbound



9. After your last transit trip, how will you get to the **END** of your one-way trip? (Check ONE only)

a. Walk



- ☐ Up to ¼ mile (0-2 blocks)
- ☐ ¼ - ½ mile (3-4 blocks)
- ☐ ½ - ¾ mile (5-6 blocks)
- ☐ ¾-1 mile (7-8 blocks)
- ☐ 1-2 miles (9-16 blocks)
- ☐ More than 2 miles (>17 blocks)



b. Bicycle



- c. Drove a vehicle I parked @ \_\_\_\_\_
- d. Dropped off by someone @ \_\_\_\_\_
- e. Rode with someone who parked @ \_\_\_\_\_
- f. Other: \_\_\_\_\_

10. How many days per week do you make this trip?

- ☐ 7    ☐ 6    ☐ 5    ☐ 4    ☐ 3    ☐ 2    ☐ 1    ☐ <1

11. What is the average time it takes to make a ONE-WAY trip from door to door? \_\_\_\_\_ Minutes

12. What is the FARE TYPE that you used for this one-way trip? (Check ONE only)

- |                      |                              |                      |
|----------------------|------------------------------|----------------------|
| a. Cash              | d. Golden / Patriot Passport | g. Bus Transfer      |
| b. EZ Card Cash Fare | e. Day Pass                  | h. Tri-Rail Transfer |
| c. Reduced Fare Pass | f. Monthly Pass              | i. Other _____       |

13. Does your employer pay any or all of your bus fare?

- a. No    b. Yes, some of the cost.    c. Yes, the entire cost.

14. Do you have a valid driver's license?

- ☐ Yes    ☐ No

15. Is there a car / vehicle available you can use for this trip?

- ☐ Yes    ☐ No

16. How many working, registered motor vehicles (cars, motorcycles, trucks) are owned by members of your household? (Check ONE only)

- ☐ 0    ☐ 1    ☐ 2    ☐ 3    ☐ 4    ☐ 5 +

17. Gender    ☐ Male    ☐ Female

18. How old are you? (Check ONE only)

- |                 |            |         |
|-----------------|------------|---------|
| a. Less than 16 | d. 35 - 44 | g. 65 + |
| b. 16 - 24      | e. 45 - 54 |         |
| c. 25 - 34      | f. 55 - 64 |         |

19. My race is best described as: (Check ONE only)

- |                    |                                |          |
|--------------------|--------------------------------|----------|
| a. American Indian | c. Black / African American    | e. White |
| b. Asian           | d. Spanish / Hispanic / Latino | f. Other |

20. What is you household's approximate total annual income? (Check ONE only)

- |                        |                        |                        |
|------------------------|------------------------|------------------------|
| a. Less than \$16,500  | d. \$28,000 - \$33,500 | g. \$45,000 - \$75,000 |
| b. \$16,500 - \$22,000 | e. \$33,500 - \$39,500 | h. \$75,000 +          |
| c. \$22,000 - \$28,000 | f. \$39,500 - \$45,000 |                        |

21. Including you, how many people live in your house? \_\_\_\_\_ (# of people), and of those,  
how many are less than 16 years old? \_\_\_\_\_ (# of people)  
how many are over 65 years old? \_\_\_\_\_ (# of people)  
work outside of your house? \_\_\_\_\_ (# of people)

22. Are you disabled?    ☐ Yes    ☐ No

23. What is the HIGHEST level of education you have completed? (Check ONE only)

- |                                |  |
|--------------------------------|--|
| a. Grade School                | d. Vocational / Technical School               |
| b. Middle / Junior High School | e. College / University – Undergraduate Degree |
| c. High School / GED           | f. College / University – Graduate Degree      |

24. What is your current EMPLOYMENT status? (Check ONE only)

- |                             |              |
|-----------------------------|--------------|
| a. Working Full Time        | d. Student   |
| b. Working Part Time        | e. Homemaker |
| c. Not Working / Unemployed | f. Retired   |

25. Can you provide a PHONE NUMBER, in case we need to clarify your responses? \_\_\_\_\_



La información que usted nos provea acerca de su viaje, nos ayudara a planificar las necesidades de la transportación pública.

Por favor tome unos minutos para completar esta importante encuesta.

**Toda información será estrictamente confidencial**

El Departamento de transito de Miami-Dade no venderá o facilitará su información a ninguna otra compañía o identidad.



1. ¿Desde donde **COMENZO** este viaje de una sola ida? (Marque UNA sola respuesta)
- |                     |  |                                 |
|---------------------|--|---------------------------------|
| a. Centro laboral   | d. Escuela (K-12)                                | g. Centro Social / Recreacional |
| b. Su hogar         | e. Colegio / Universidad (estudiantes solamente) | h. Otro _____                   |
| c. Centro Comercial | f. Oficina Médica / Centro de Salud              | (Aeropuerto, hotel, etc.)       |

2. ¿Cuál es la dirección o la intersección del lugar de PARTIDA de este viaje de una sola ida?

a. Dirección exacta (ej. 123 *NW* 1st *Street*):

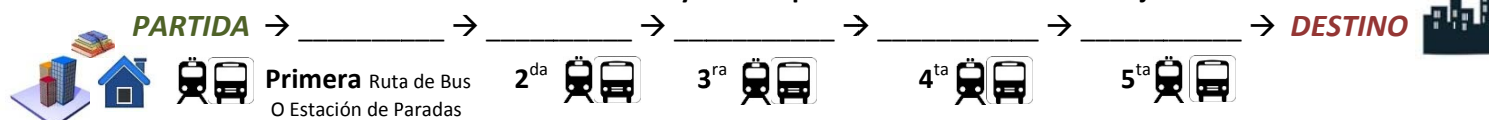
Si se desconoce la dirección, nombre la intersección: \_\_\_\_\_ con \_\_\_\_\_

ej. *NW 1st Street*

NE 2nd Avenue

**b. ¿Cuál es el nombre del lugar de su PARTIDA? (ej. Wal-Mart, Metrocenter, etc.):**

- 3. Por favor mencione todas las rutas de autobús y trenes que utilizará durante este viaje de una sola ida?**



4. ¿Cómo llegó a su primera parada? (Marque UNA sola respuesta)

- a. Caminará

  - ☐ hasta ¼ milla (0-2 cuadas)
  - ☐ ¼ - ½ milla (3-4 cuadas)
  - ☐ ½ - ¾ milla (5-6 cuadas)
  - ☐ ¾-1 milla (7-8 cuadas)
  - ☐ 1-2 millas (9-16 cuadas)
  - ☐ Mas de 2 millas (>17 cuadas)

b. Bicicleta

c. Manejará un vehículo que dejó estacionado en: \_\_\_\_\_

d. Será recogido por alguna persona en: \_\_\_\_\_

e. Viajará con alguien que dejó un vehículo estacionado en: \_\_\_\_\_

f. Otro: \_\_\_\_\_

5. ¿En donde **ABORDO** este autobús?

Intersección: con

ej. *NW 1st Street*

NE 2nd Avenue

6. ¿En donde **SE BAJARA** de este autobús?

Intersección: con

ej. *NW 1st Street*

NE 2nd Avenue

7. ¿Cuál es el **DESTINO FINAL** de este viaje de una sola ida ? (Marque UNA sola respuesta)

- a. Centro laboral      d. Escuela (K-12)      g. Centro Social / Recreacional  
b. Su hogar      e. Colegio / Universidad (estudiantes solamente)      h. Otro \_\_\_\_\_  
c. Centro Comercial      f. Oficina Médica / Centro de Salud      (Aeropuerto, hotel, etc.)

8. ¿Cuál es la dirección o la intersección del lugar de **DESTINO** de este viaje de una sola ida?

a. Dirección exacta (ej. 123 **NW** 1st **Street**):

Si desconoce la dirección, nombre la intercesión: \_\_\_\_\_ con \_\_\_\_\_

ej. NW 1st Street

NE 2nd Avenue

**b. ¿Cuál es el nombre del lugar de su destino, (ej. Wal-Mart, Metrocenter, etc.):**

**Fecha:**        /        /2012    **Hora:**        :        AM/PM    **Bus #:**               **Ruta:**               **Dirección:** llegada/salida



9. Después de su última parada con el transporte público, ¿qué método utilizara para llegar a el **DESTINO** final en este viaje de una sola ida? (Marque UNA sola respuesta)

a. Caminará



- ☐ hasta ¼ milla (0-2 cuadras)
- ☐ ¼ - ½ milla (3-4 cuadras)
- ☐ ½ - ¾ milla (5-6 cuadras)
- ☐ ¾-1 milla (7-8 cuadras)
- ☐ 1-2 millas (9-16 cuadras)
- ☐ Mas de 2 millas (>17 cuadras)



b. Bicicleta



c. Manejará un vehículo que dejó estacionado en: \_\_\_\_\_

d. Será recogido por alguna persona en: \_\_\_\_\_

e. Viajará con alguien que dejó un vehículo estacionado en: \_\_\_\_\_

f. Otro: \_\_\_\_\_

10. ¿Cuántos días a la semana usted realiza este viaje?

- ☐ 7      ☐ 6      ☐ 5      ☐ 4      ☐ 3      ☐ 2      ☐ 1      ☐ < 1

11. ¿Cuál es el tiempo estimado que toma de puerta a puerta para realizar este viaje de una sola ida? \_\_\_\_ Minutos

12. ¿Cual fue el tipo de tarifa que utilizó para este viaje de una sola ida? (Marque UNA sola respuesta)

- |                            |                                |                              |
|----------------------------|--------------------------------|------------------------------|
| a. Efectivo                | d. Dorado / Pasaporte Patriota | g. Transferencia de Autobús  |
| b. Tarjeta de efectivo EZ  | e. Pase de un Día              | h. Transferencia de Tri-Rail |
| c. Pase de tarifa reducida | f. Pase Mensual                | i. Otro: _____               |

13. ¿Paga su empleador parte o todo el costo de su tarifa?

- a. No      b. Si, parte el costo      c. Si, todo el costo

14. ¿Posee usted una licencia de conducir válida?

- ☐ Si      ☐ No

15. ¿Dispone usted de un automóvil / vehículo para realizar este viaje?

- ☐ Si      ☐ No

16. ¿Cuántos vehículos de motor (automóvil , motocicletas, camiones etc.) que funcionen y estén registrados le pertenecen a miembros de su hogar? (Marque UNA sola respuesta)

- ☐ 0      ☐ 1      ☐ 2      ☐ 3      ☐ 4      ☐ 5 +

17. Genero      ☐ Masculino      ☐ Femenino

18. ¿Cuál es su edad? (Marque UNA sola respuesta)

- |                |            |         |
|----------------|------------|---------|
| a. Menor de 16 | d. 35 - 44 | g. 65 + |
| b. 16 - 24     | e. 45 - 54 |         |
| c. 25 - 34     | f. 55 - 64 |         |

19. La raza que me caracteriza es: (Marque UNA sola respuesta)

- |                    |                               |                |
|--------------------|-------------------------------|----------------|
| a. Indio-Americano | c. Negro / Afro-Americano     | e. Raza Blanca |
| b. Asiático        | d. Español / Hispano / Latino | f. Otro: _____ |

20. ¿Cuál es el ingreso total aproximado de su hogar? (Marque UNA sola respuesta)

- |                        |                        |                        |
|------------------------|------------------------|------------------------|
| a. Menos de \$16,500   | d. \$28,000 - \$33,500 | g. \$45,000 - \$75,000 |
| b. \$16,500 - \$22,000 | e. \$33,500 - \$39,500 | h. \$75,000 +          |
| c. \$22,000 - \$28,000 | f. \$39,500 - \$45,000 |                        |

21. Incluyéndose a usted, ¿cuántas personas viven en su hogar? \_\_\_\_\_ (# de personas)  
¿cuántas son menores de 16 años de edad? \_\_\_\_\_ (# de personas)  
¿cuántos son mayores de 65 años de edad? \_\_\_\_\_ (# de personas)  
¿cuántas personas trabajan fuera de su hogar? \_\_\_\_\_ (# de personas)

22. ¿Esta usted deshabilitado?      ☐ Si      ☐ No

23. ¿Cuál es el mayor grado de educación que usted ha completado? (Marque UNA sola respuesta)

- |                                 |   |
|---------------------------------|---|
| a. Escuela Primaria / Elementar | d. Vocacional / Escuela Técnica                     |
| b. Escuela Intermedia           | e. Colegio / Universidad – Estudios de Licenciatura |
| c. Escuela Superior / GED       | f. Colegio / Universidad – Postgrado                |

24. ¿Cuál es su situación de empleo actual? (Marque UNA sola respuesta)

- |                             |                      |
|-----------------------------|----------------------|
| a. Trabajo Tiempo Completo  | d. Estudiante        |
| b. Trabajo Tiempo Parcial   | e. Ama / Amo de casa |
| c. Desempleado / no trabaja | f. Retirado          |

25. En caso de necesitar aclarar sus respuestas, nos podría facilitar su numero de teléfono? \_\_\_\_\_



Enfòmasyon nou bay sou vwayaj ou ap ede plan pou ede ou bezwen transpò piblik yo.

Pran kèk minit de yon pou konplete sondaj enpòtan sa a.

**Yo tout enfòmasyon ap rete konfidansyèl strictement.**

MDT pap vann ou bay enfòmasyon yur pou tout lòt konpayi ou òganizasyon.



1. Ki kote ou te **KOMANSE** vwayaj sa? (Tcheke youn sèlman)

- |                    |                                    |                       |
|--------------------|------------------------------------|-----------------------|
| a. Travay ou       | d. Lekòl (K-12)                    | g. Sosyal / Loisirs   |
| b. Lakay ou        | e. Kolèj / Inivèsite (elèv sèlman) | h. Lòt _____          |
| c. Makèt / Magazen | f. Medikal / Swen Sante            | (ex. èpòt, otèl, ect) |

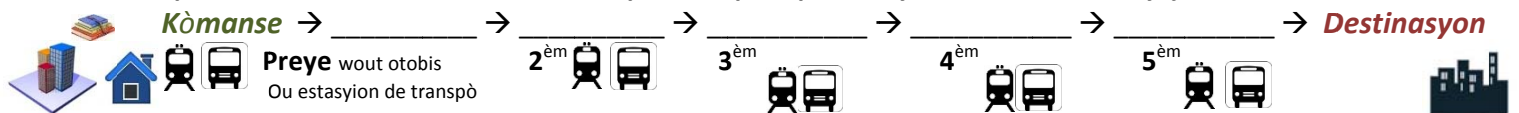
2. Ki adrès ou nan ki entèseksyon kote ou te **KÒMANSE** vwayaj yon sans sa a?

a. Ekzakt adrès (ex. 123 **NW** 1st Street): \_\_\_\_\_

ri ou **UNIQUEMENT** si ou pas konne ekzakt adrès ri lan: \_\_\_\_\_ ak \_\_\_\_\_  
 ex. **NW** 1st Street **NE** 2nd Avenue

b. Kijan ou rele kote sa a? (ex. Wal-Mart, Metrocenter, etc.): \_\_\_\_\_

3. Souple di m tout otobis ak antrene wout pou nou pran pandan yon sèl chemen vwayaj sa a?




4. Ki jan ou te rive nan pwemye ke arè? (Tcheke youn sèlman)

- |  |   |
|--|---|
| a. Maché   | b. Bisiklèt                                       |
| <input type="checkbox"/> 1/4 Kilomèt (0-2 blòk)                  | c. Ki te kondwi yon machin mwen voiture nan _____ |
| <input type="checkbox"/> 1/4-1/2 kilomèt (3-4 blòk)              | d. Depoze pa yon moun nan _____                   |
| <input type="checkbox"/> 1/2-3/4 kilomèt (5-6 blòk)              | e. Rode ak yon moun ki voiture nan _____          |
| <input type="checkbox"/> 3/4-1 kilomèt (7-8 blòk)                | f. Lòt: _____                                     |
| <input type="checkbox"/> 1-2 kilomèt (9-16 blòk)                 |   |
| <input type="checkbox"/> Plis pase 2 kilomèt (blòk plis pase 17) |   |


5. Kote ou jwenn avec otobis sa?

Entèseksyon: \_\_\_\_\_ ak \_\_\_\_\_  
 ex. **NW** 1st Street **NE** 2nd Avenue

 Sant Transpò: \_\_\_\_\_

6. Ki kote ou ap sot otobis la?

Entèseksyon: \_\_\_\_\_ ak \_\_\_\_\_  
 ex. **NW** 1st Street **NE** 2nd Avenue

 Sant Transpò: \_\_\_\_\_

7. Ki kote vwayaj sa pral **FINI** (Tcheke youn sèlman)

- |                    |                                    |                     |
|--------------------|------------------------------------|---------------------|
| a. Travay ou       | d. Lekòl (K-12)                    | g. Sosyal / Loisirs |
| b. Lakay ou        | e. Kolèj / Inivèsite (elèv sèlman) | h. Lòt _____        |
| c. Makèt / Magazen | f. Medikal / Swen Sante            | (èpòt, otèl, ect)   |

8. Ki adrès ou nan ki entèseksyon kote ou te **FINI** vwayaj yon sans sa a?

a. Ekzakt adrès (ex. 123 **NW** 1st Street): \_\_\_\_\_

ri ou **UNIQUEMENT** si ou pas konne ekzakt adrès ri lan: \_\_\_\_\_ ak \_\_\_\_\_  
 ex. **NW** 1st Street **NE** 2nd Avenue

b. Kijan ou rele kote sa a? (ex. Wal-Mart, Metrocenter, etc.): \_\_\_\_\_




9. Apre ou pase ke vwayaj, ki jan pou ou ta jwenn pou **FEN** vwayaj ou a? (Tcheke youn sèlman)



- a. Maché  
☐ 0 - ¼ kilomèt (0-2 blòk)  
☐ ¼ - ½ kilomèt (3-4 blòk)  
☐ ½ - ¾ kilomèt (5-6 blòk)  
☐ ¾ - 1 kilomèt (7-8 blòk)  
☐ 1-2 kilomèt (9-16 blòk)  
☐ Plis pase 2 kilomèt (blòk plis pase 17)



- b. Bisiklèt  
c. Ki te kondwi yon machin mwen voiture nan \_\_\_\_\_  
 d. Depoze pa yon moun nan \_\_\_\_\_  
e. Rode ak yon moun ki voiture nan \_\_\_\_\_  
f. Lòt: \_\_\_\_\_

10. Konben jou nan semèn n' ap fè vwayaj sa?

- ☐ 7    ☐ 6    ☐ 5    ☐ 4    ☐ 3    ☐ 2    ☐ 1    ☐ < 1

11. Konbyen tan èske li pran pou ou fini yon vwayaj yon sèl chemen pòt pour pòt? \_\_\_\_\_ Minit

12. Ki jan ou peye pou vwayaj ou? (Tcheke youn sèlman)

- a. Kach    d. Golden patrivòt paspò    g. Transfè bis  
b. Valè lajan likid kat EZ    e. Pase pou jou    h. Transfè Tri-Rail  
c. Te redwi pase pou antre    f. Pase pou mois    i. Lòt: \_\_\_\_\_

13. Èske travay ou peye kèk oubyen tout ou pri kous ou?

- a. Non    b. Oui, kèk pri kous    c. Oui, tout pri kous

14. Èske ou gen yon lisans chofè valab?

- ☐ Oui    ☐ Non

15. Èske gen yon machin ki te kapab itilize pou vwayaj sa?

- ☐ Oui    ☐ Non

16. Konbyen machin yo (machin, moto, camions) sont à pa manb lakay ou ki travay epi ki te anrejistre? (Tcheke youn sèlman)

- ☐ 0    ☐ 1    ☐ 2    ☐ 3    ☐ 4    ☐ 5 +

17. Idantite ☐ Belye    ☐ Femme

18. ¿Ki laj ou? (Tcheke youn sèlman)

- a. Mwens ké 16    d. 35 - 44    g. 65 +  
b. 16 - 24    e. 45 - 54  
c. 25 - 34    f. 55 - 64

19. Pi bon fason pou dekri ras mwen se: (Tcheke youn sèlman)

- a. Mériken Indyen    c. Nwa / Afriken Mériken    e. Blan  
b. Aziatik    d. PanYòl / Ispanik / Laten    f. Lòt: \_\_\_\_\_

20. Konben ou touché shak ane pou lakay ou? (Tcheke youn sèlman)

- a. Mwens ké \$16,500    d. \$28,000 - \$33,500    g. \$45,000 - \$75,000  
b. \$16,500 - \$22,000    e. \$33,500 - \$39,500    h. \$75,000 +  
c. \$22,000 - \$28,000    f. \$39,500 - \$45,000

21. Enkli tèt ou, konbyen moun viv nan kay ou?

- konbyen ki mwens ké 16 an? \_\_\_\_\_ (kantité moun)  
konbyen ki plis ké 65 an? \_\_\_\_\_ (kantité moun)  
konbyen ki travay en deyò kay la? \_\_\_\_\_ (kantité moun)

22. Èske ou andikapé?

- ☐ Oui    ☐ Non

23. Ki dènye degre edikasyon ou? (Tcheke youn sèlman)

- a. Elemantè    d. Vokasyonèl / Teknik  
b. Dezyèm    e. Segondè lekòl  
c. Lekòl    f. Inivèsite

24. Kisa ou ap fè pou travay nan moman sa? (Tcheke youn sèlman)

- a. Travay temps complet    d. Elèv  
b. Pati nan tan    e. Homemaker  
c. Pa travay/au    f. Retrete

25. Èske ou ka ban yon nimewo telefòn pou si nou ta nou bezwen pou klarifye réponses ou? \_\_\_\_\_





## APPENDIX B

### Electronic Survey Screen Views





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# Miami-Dade Transit Passenger Survey.

The information you provide will be used to help plan for public transit needs. All information will be kept strictly confidential.

Touch the Start button to continue...

Start




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Back Survey Consent Next

Are you willing to answer some survey questions? All your information will be kept completely CONFIDENTIAL.

☒ Yes  
☐ No




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Back Origin Next

1. Where did you BEGIN this one-way trip?

☐ a. Your Workplace  
☐ b. Your Home  
☐ c. Shopping  
☐ d. School (K-12)  
☐ e. College / University (Students Only)  
☐ f. Medical / Health Care  
☐ g. Social / Recreational  
☐ h. Other (airport, hotel, etc.)




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Back Origin Next

2. What is the name of the place? (Example: MDC North Campus, Government Center, WalMart)

You must enter some text.





Back

Survey Team

Next

Survey Team: This information is critical to transit service planning in Miami-Dade County. Please place special attention to entering LOCATION, DIRECTION and PLACE names. For any questions, please contact a survey team leader.

In case of emergency, contact 301-367-1130 or 954-535-5100 for assistance.

What is the date? 2012-05-07

What is the time? 13:09

What is the Bus Route Number?

Route 7

What direction is this bus traveling?

☒ Inbound

☐ Outbound

Run Direction

If you were provided a printed survey, what is the Survey Serial # listed on the top right corner?

MIAMI-DADE COUNTY

Back

Street Address

Next

Do you know the exact Street Address of the place where you began the trip?

☒ Yes

☐ No

MIAMI-DADE COUNTY

Back

St Direction

Next

2. What is the exact Address NUMBER where you BEGAN this one-way trip? (# only)

Number 100 #

What is the exact address STREET DIRECTION where you BEGAN this one-way trip? (NW, NE, SW, SE, etc.)

☐ N

☒ NW

☐ NE

☐ S

☐ SW

☐ SE

☐ E

☐ W

☐ None of the above

St Direction

MIAMI-DADE COUNTY

Back

Street Type

Next

What is the exact address STREET NAME where you BEGAN this one-way trip? (Example: 1st, Biscayne - Name only)

1st

What is the exact address STREET TYPE where you BEGAN this one-way trip? (Example: Street, Avenue)

☐ Street

☐ Avenue

☐ Boulevard

☐ Road

☐ Drive

☒ Place

☐ Other

Street Type

What is the exact address ZIP CODE where you BEGAN this one-way trip?

ZIP 33128

MIAMI-DADE COUNTY



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**Back** Trip Sequence **Next**

We need to understand the exact order of bus routes, MetroRail, MetroMover or other shuttles that you will use to make this one-way trip. Including THIS BUS, please list all bus, Metrorail, Metromover, Tri-Rail or other transit service used on your trip. (Example: Metromover Financial District Station --> 93 or Metrorail Brickell Station --> 135)

3. What is the FIRST Bus Route or Transit Station used to BEGIN your one-way transit trip? (Example: Metromover College North, Biscayne Max, Tri-Rail, or bus route)

What is the SECOND bus, Metrorail, Metromover or Tri-Rail Station that you will use? (Example: S, 135, Metromover --> Click Next, if none)

What is the THIRD bus, Metrorail, Metromover or Tri-Rail Station that you will use? (Example: Metromover, Biscayne Max --> Click Next, if none)

What is the FOURTH bus, Metrorail, Metromover or Tri-Rail Station that you will use? (Example: Metrorail North, Metromover --> Click Next, if none)

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**Back** Mode of Access **Next**

4. How did you get to the FIRST transit stop?

☒ Walk  
☐ Bike  
☐ Drove a vehicle and parked  
☐ Dropped of by someone in a car  
☐ Rode with someone who parked their car  
☐ Other

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**Back** Walk Distance **Next**

4.a. How many blocks?

☒ Up to 1/4 mile (0-2 blocks)  
☐ 1/4 - 1/2 mile (3-4 blocks)  
☐ 1/2 - 3/4 mile (5-6 blocks)  
☐ 3/4 - 1 mile (7-8 blocks)  
☐ 1 - 2 miles (9-16 blocks)  
☐ More than 2 miles (17+ blocks)

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**Back** Stop or Station **Next**

5. Where did you GET ON THIS Bus? (Example: Metromover School Board Station - or - NE 17th St) --> Enter Cross St on Next Line

What is the Cross Street? (Example: NW 2nd Ave)

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← Back Cross St/Station Next →

6. Where will you GET OFF THIS Bus? (Example: Metrorrail Overtown/Lyric Theater Station - or - NW 17th Ave) --> Enter Cross St on Next Line

What is the Cross Street? (Example: NW 2nd Ave)

Q W E R T Y U I O P [X]  
 A S D F G H J K L [return]  
 [shift] Z X C V B N M [!@] [?>] [shift]  
 .?123 [space] .?123 [img alt="on-screen keyboard icon"]

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← Back Cross St/Station Next →

6. Where will you GET OFF THIS Bus? (Example: Metrorrail Overtown/Lyric Theater Station - or - NW 17th Ave) --> Enter Cross St on Next Line

What is the Cross Street? (Example: NW 2nd Ave)

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← Back Destination Next →

7. Where will you will END this one-way trip?

☐ Your Workplace  
☐ Your Home  
☒ Shopping  
☐ School (K-12)  
☐ College / University (students only)  
☐ Medical / Health Care  
☐ Social / Recreational  
☐ Other

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← Back Destination Next →

8. What is the name of the place? (Example: MDC North Campus, Government Center, Walmart)

Aventura Mall

Q W E R T Y U I O P [X]  
 A S D F G H J K L [return]  
 [shift] Z X C V B N M [!@] [?>] [shift]  
 .?123 [space] .?123 [img alt="on-screen keyboard icon"]



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← Back Street Address Next →

Do you know the exact Street Address of the place where you will END the trip?

☐ Yes

☒ No

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← Back Cross Street Next →

What is the FIRST STREET at the exact INTERSECTION where you will END this one-way trip? (Example: NW 2nd Street)

What is the CROSS STREET where you will END this one-way trip? (Example: SW 102nd Ave)

You must enter some text.

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← Back Cross Street Next →

What is the FIRST STREET at the exact INTERSECTION where you will END this one-way trip? (Example: NW 2nd Street)

What is the CROSS STREET where you will END this one-way trip? (Example: SW 102nd Ave)

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← Back Mode of Access Next →

9. How did you get to the final DESTINATION at the END of your one-way trip?

☒ Walk

☐ Bike

☐ Drive a vehicle parked at a location

☐ Will be picked up by someone

☐ Ride with someone who parked

☐ Other

MIAMI-DADE COUNTY



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**← Back** Walk Distance **Next →**

How many blocks?

☒ Up to 1/4 mile (0-2 blocks)  
☐ 1/4 - 1/2 mile (3-4 blocks)  
☐ 1/2 - 3/4 mile (5-6 blocks)  
☐ 3/4 - 1 mile (7-8 blocks)  
☐ 1 - 2 miles (9-16 blocks)  
☐ More than 2 miles (17+ blocks)

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**← Back** Travel Pattern **Next →**

10. How many days per week do you make this trip?

☐ 7  
☐ 6  
☐ 5  
☐ 4  
☒ 3  
☐ 2  
☐ 1  
☐ Less than 1

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**← Back** Trip Duration **Next →**

11. What is the average time it takes to make a ONE-WAY trip from door to door? (minutes)

Minute

1 2 3 4 5 6 7 8 9 0   
 - / : ; ( ) \$ & @ Done   
 #+= undo . , ? ! ' " #+=   
 ABC ABC

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**← Back** Fare Type **Next →**

12. What is the FARE TYPE that you used for this one-way trip?

☐ a. Cash  
☒ b. EZ Card Cash Value Fare  
☐ c. Reduced Fare Permit  
☐ d. Golden / Patriot Passport  
☐ e. Day Pass  
☐ f. Monthly Pass  
☐ g. Bus Transfer  
☐ h. Tri-Rail Transfer  
☐ i. Other

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← Back Employer Paid Next →

13. Does your employer pay any or all of your bus fare?

☒ No

☐ Yes, some of the cost

☐ Yes, the entire cost (free for me)

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← Back Driver's License Next →

14. Do you have a valid driver's license?

☒ Yes

☐ No

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← Back Vehicle Avail Next →

15. Is there a car / motor vehicle available for this trip?

☒ Yes

☐ No

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← Back Vehicles / House Next →

16. How many working, registered motor vehicles (cars, motorcycles, trucks) are owned by members of your household?

#

1 2 3 4 5 6 7 8 9 0

- / : ; ( ) \$ & @ Done

#+= undo . , ? ! ' " #+=

ABC ABC



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← Back Gender Next →

17. Gender

☒ Male

☐ Female

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← Back Age Next →

18. How old are you?

☐ a. Less than 16

☐ b. 16 - 24

☒ c. 25 - 34

☐ d. 35 - 44

☐ e. 45 - 54

☐ f. 55 - 64

☐ g. 65 +

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← Back Race / Ethnicity Next →

19. My race is best described as:

☐ a. American Indian

☐ b. Asian

☐ c. Black / African American

☐ d. Spanish / Hispanic / Latino

☒ e. White

☐ f. Other

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← Back Annual Income Next →

20. What is your household's approximate total annual income?

☐ a. Less than \$16,500

☐ b. \$16,500 - \$22,000

☒ c. \$22,000 - \$28,000

☐ d. \$28,000 - \$33,500

☐ e. \$33,500 - \$39,500

☐ f. \$39,500 - \$45,000

☐ g. \$45,000 - \$75,000

☐ h. \$75,000 +

MIAMI-DADE COUNTY



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← Back # Working Next →

21. Including you, how many people live in your house?

Total

Including you, how many are less than 16 years old?

<16

Including you, how many are over 65 years old?

>65

Including you, how many work outside of your home?

Work

MIAMI-DADE COUNTY

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← Back Disabled Next →

22. Are you disabled?

☐ Yes

☒ No

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← Back Education Next →

23. What is the HIGHEST level of education you have completed?

☐ a. Grade School

☐ b. Middle / Junior High School

☐ c. High School / GED

☒ d. Vocational / Technical School

☐ e. College / University – Undergraduate Degree

☐ f. College / University – Graduate Degree

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← Back Annual Income Next →

24. What is your current EMPLOYMENT status?

☐ a. Working Full Time

☒ b. Working Part Time

☐ c. Not Working / Unemployed

☐ d. Student

☐ e. Homemaker

☐ f. Retired

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← Back Language Next →

25. Can you provide a PHONE NUMBER, in case we need to clarify your responses?

305-555-1212

26. Language used for survey

☒ English

☐ Spanish

☐ Creole

Language

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← Back

Thank you for completing the survey. For additional information or questions specifically about this survey, please contact Kimley-Horn at 954-535-5100 or the Miami-Dade MPO at 305-375-4507.

For all other comments and questions for Miami-Dade County Transit, please call 3-1-1, or visit [miamidade.gov/transit](http://miamidade.gov/transit).

Touch to Finish

MIAMI-DADE COUNTY

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