City of Fort Lauderdale

Transit Master Plan

Project Update and Key Findings

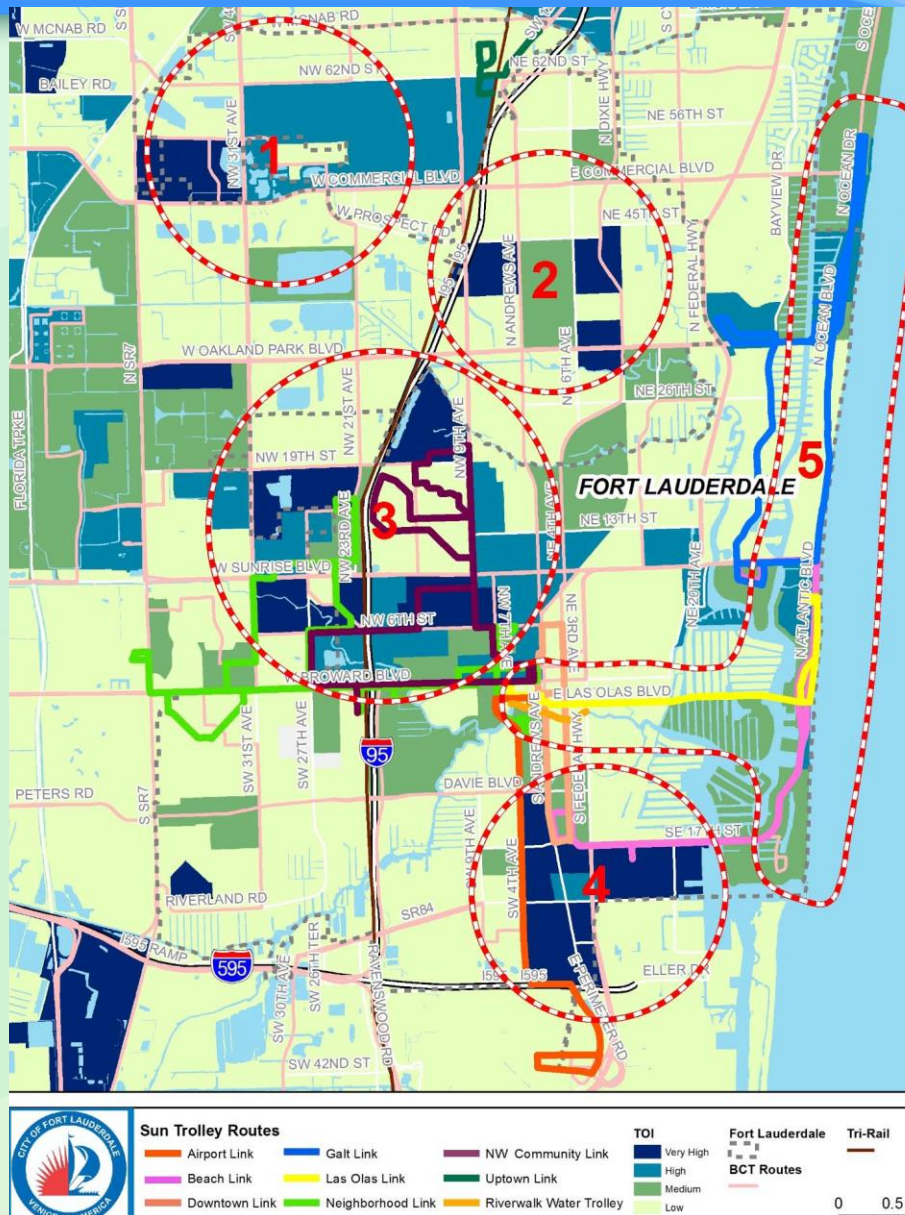
August 16, 2016

Agenda

- **Key Findings**
  - Demand Analysis
  - Public & Stakeholder Engagement
  - Operational/Route Analysis
- **Overarching Themes & Emphasis Areas**

Traditional Markets

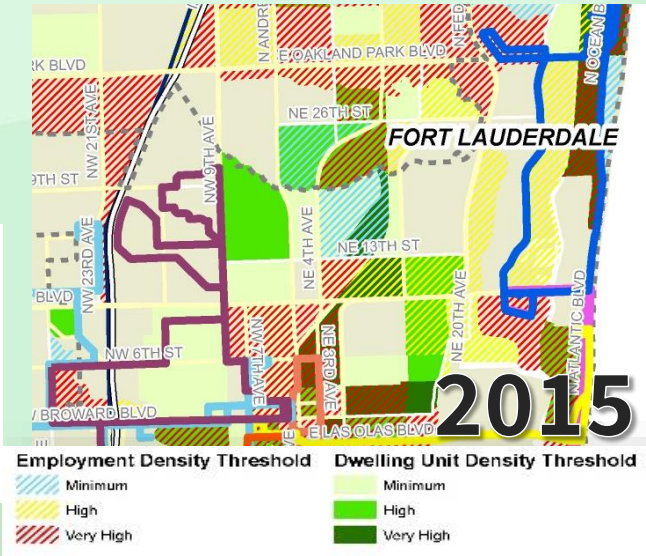
- **Analyzed**
  - Older adults: 65 yrs+
  - Youth: < 15 yrs old
  - Below the poverty level ($25,000 for 4-person HH)
  - 0-Vehicle HH
- **Findings**
  - **Demand clusters**
  - **Mostly below-poverty & no-vehicle HHs**



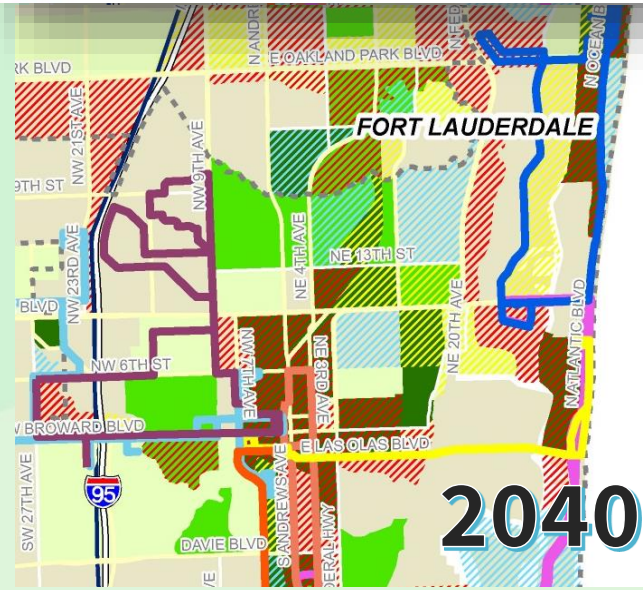
Discretionary Markets

- Density Analysis using Industry-based Investment Thresholds

Level of Transit Investment	Dwelling Unit Density Threshold[1]	Employment Density Threshold[2]
Minimum	4.5–5 dwelling units/acre	4 employees/acre
High	6–7 dwelling units/acre	5–6 employees/acre
Very High	≥8 dwelling units/acre	≥7 employees/acre



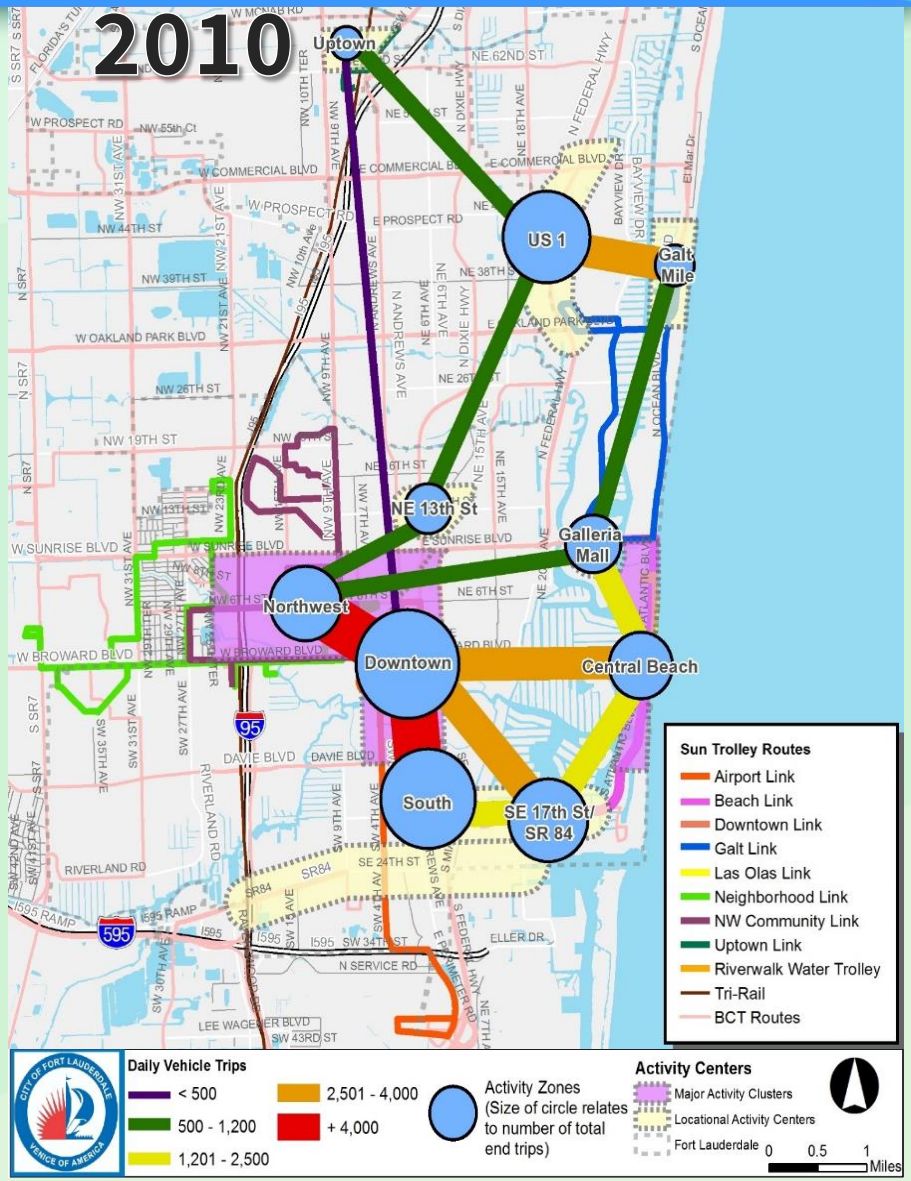
- Findings
  - Existing transit-supportive areas are in and around downtown Fort Lauderdale
  - Future growth is expected to support more premium transit investments



Travel Flow Analysis

2010 Travel Flows- Average Daily Trips

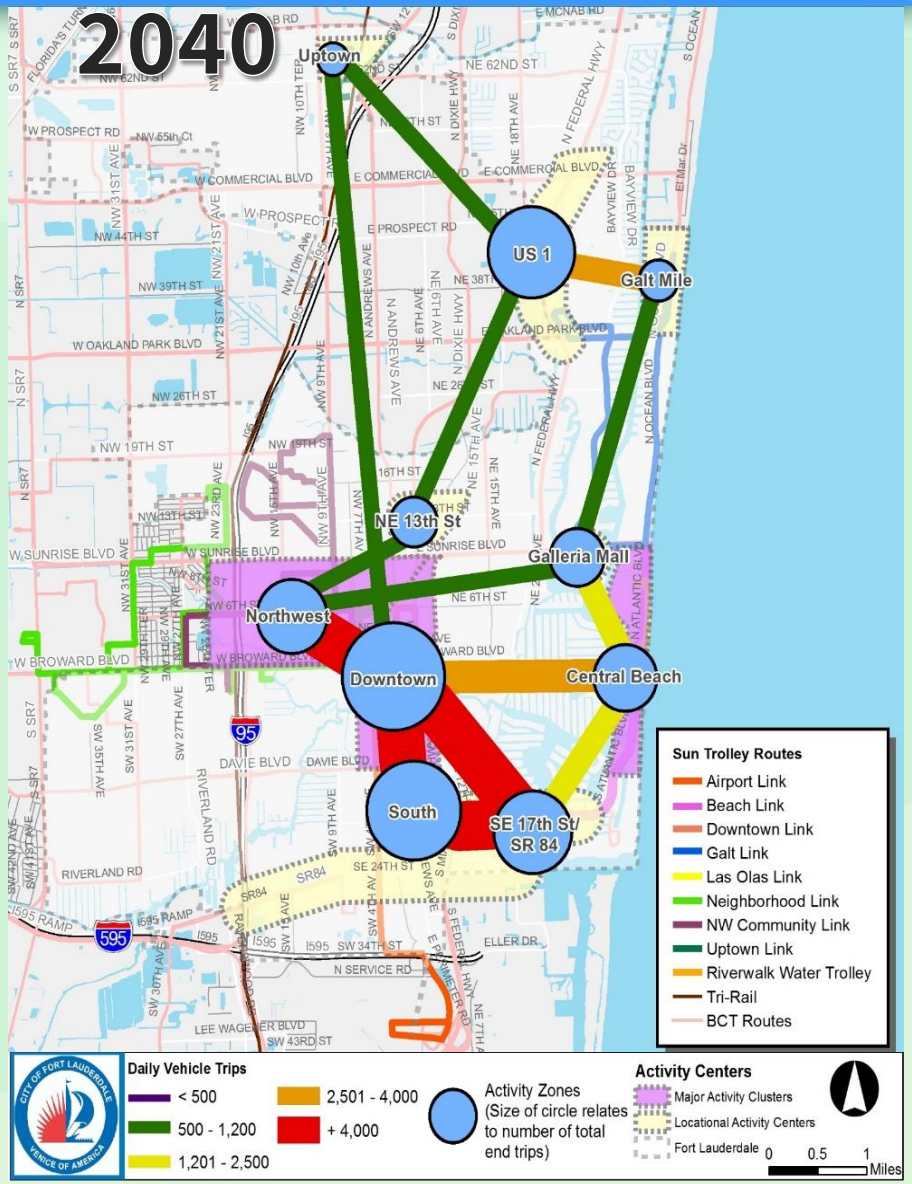
To/From	From/To	Average Daily Trips
South	**Downtown**	**4,759**
Northwest	**Downtown**	**4,371**
SE 17th St/SR 84	Downtown	3,647
Central Beach	Downtown	2,548
US 1	Galt Mile	2,503
South	SE 17th St/SR 84	2,317
Galleria Mall	Central Beach	1,608
Central Beach	SE 17th St/SR 84	1,264
Uptown	US 1	1,127
Galt Mile	Galleria Mall	756
Northwest	NE 13th St	756
US 1	NE 13th St	599
Galleria Mall	Northwest	582
Uptown	Downtown	396



Travel Flow Analysis

2040 Travel Flows- Average Daily Trips

To/From	From/To	Average Daily Trips
South	Downtown	7,345
Northwest	Downtown	7,078
SE 17th St/SR 84	Downtown	4,994
South	SE 17th St/SR 84	4,085
Central Beach	Downtown	3,280
US 1	Galt Mile	2,530
Galleria Mall	Central Beach	1,815
Central Beach	SE 17th St/SR 84	1,432
Uptown	US 1	1,172
Northwest	NE 13th St	1,077
US 1	NE 13th St	1,056
Galt Mile	Galleria Mall	730
Galleria Mall	Northwest	679
Uptown	Downtown	563

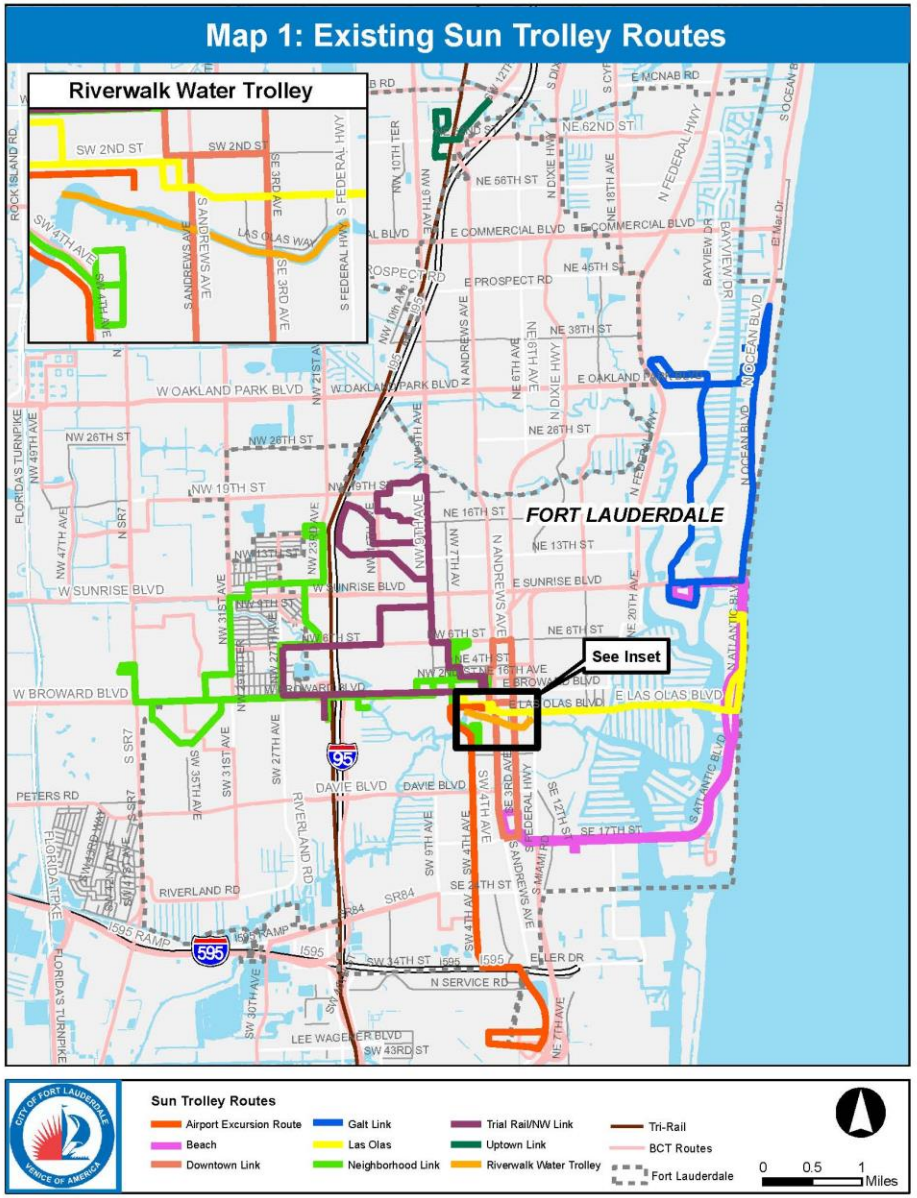


Public & Stakeholder Input

- **Public Outreach Process**
  - Stakeholder interviews/presentations
  - Web-based transit needs survey
    - Rider and non-rider branching
  - Paper-based surveys
    - Localized input - YMCA and Galt
  - Bus operator interviews
  - Web and email based outreach
  - Social media
    - Facebook
    - Nextdoor

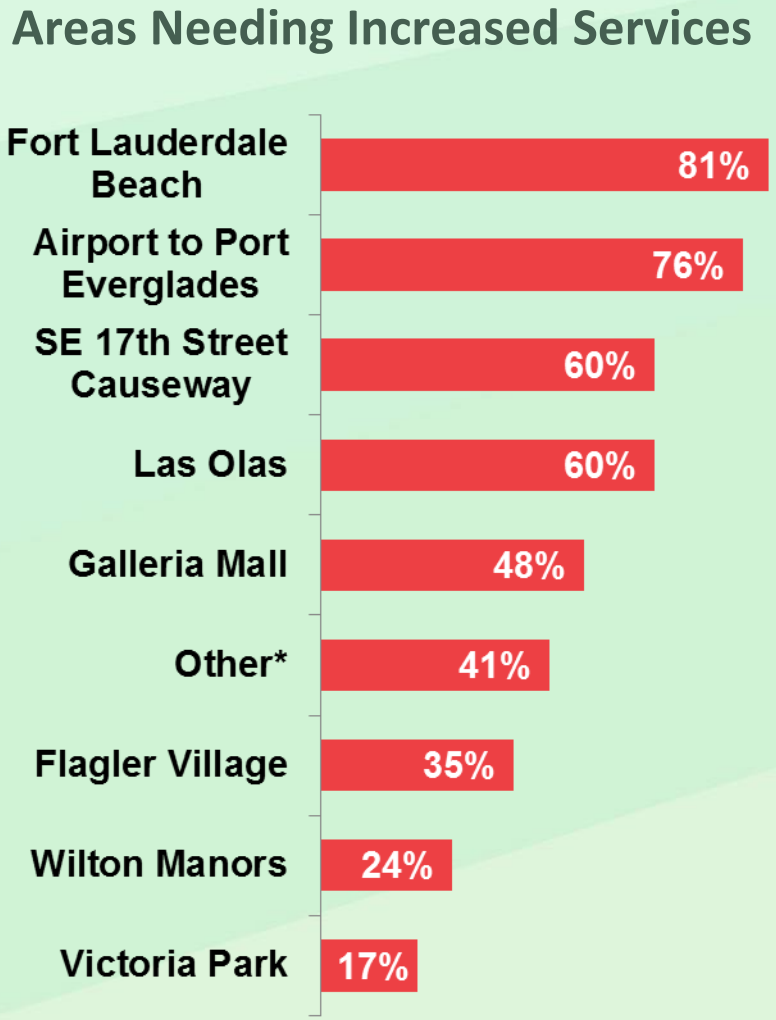
Stakeholder Input- In Person

- **Key Input**
  - Areas Needing Increased Services
    - Port to Airport, Beach, Las Olas, NW Community, SE 17th St
  - Frequency Needed
    - Should vary by route
  - Service
    - 5 - 7 days a week, evenings, rush hour
  - Other Needs
    - Shelters, clean vehicles, benches, bike racks, wi-fi



Stakeholder Input- Survey

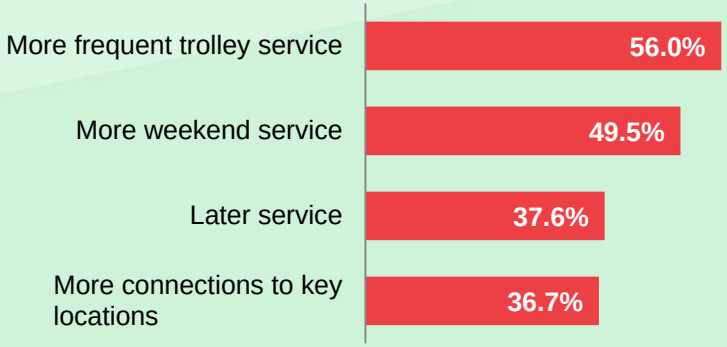
- **Key Input**
  - Areas Needing Increased Services
    - See chart (Other* includes Sistrunk Blvd and Downtown)
  - Frequency Needed
    - 15 to 30 min
  - Service span/days
    - Everyday, 12 to 18 hours a day; rush hour, peak
  - Other Needs
    - Clean vehicles, fixed shelters/stops



Public Outreach - Web Survey

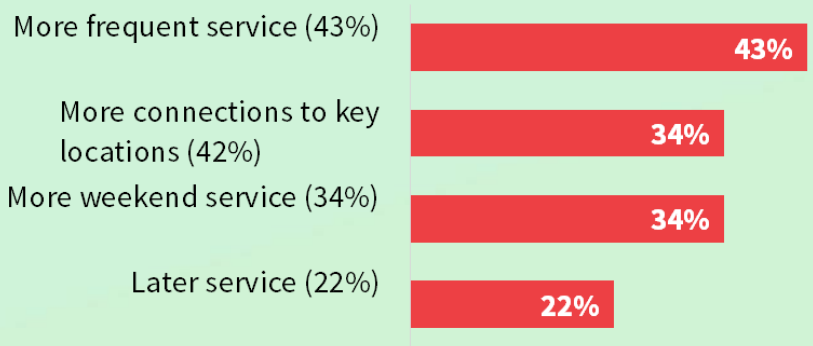
Sun Trolley Riders

Most Needed Improvements

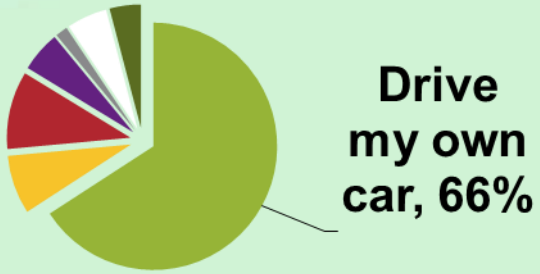


General Public

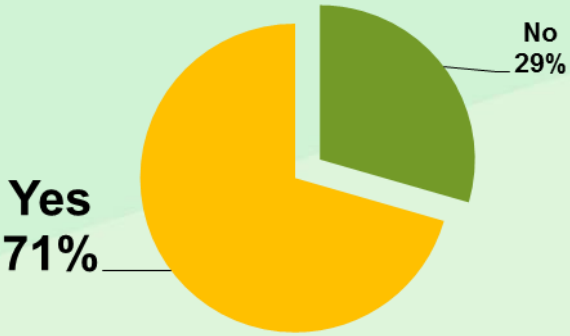
Most Needed Improvements



How Will You Travel If Not By Sun Trolley

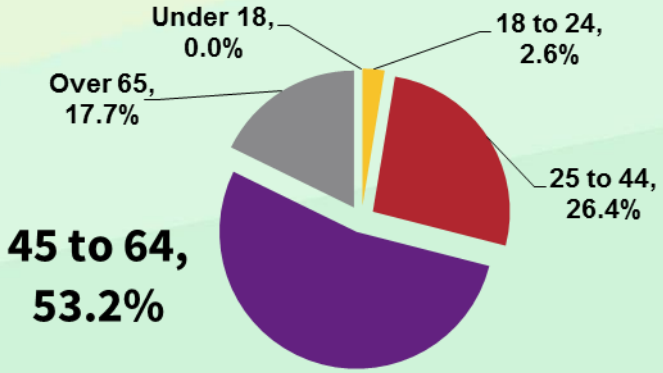


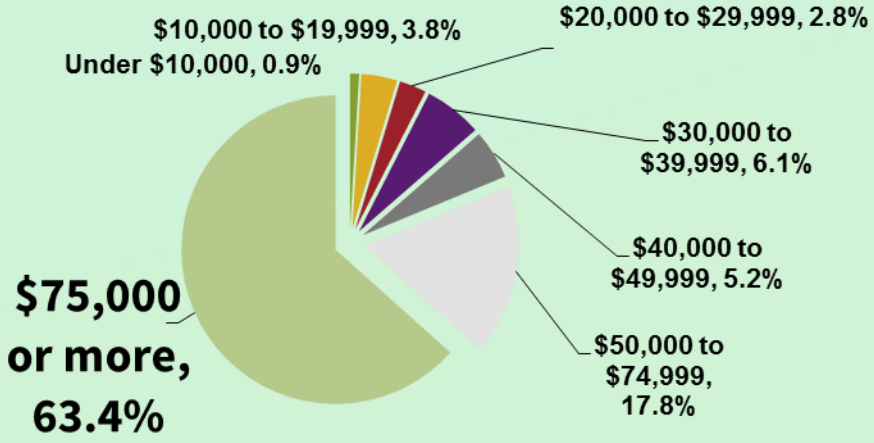
Need for Additional Transit Service?



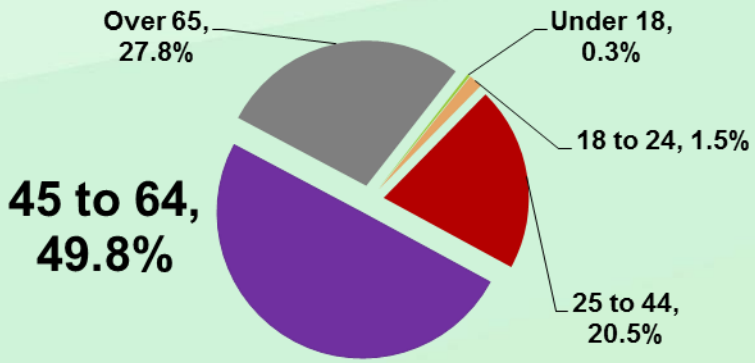
Public Outreach - Web Survey

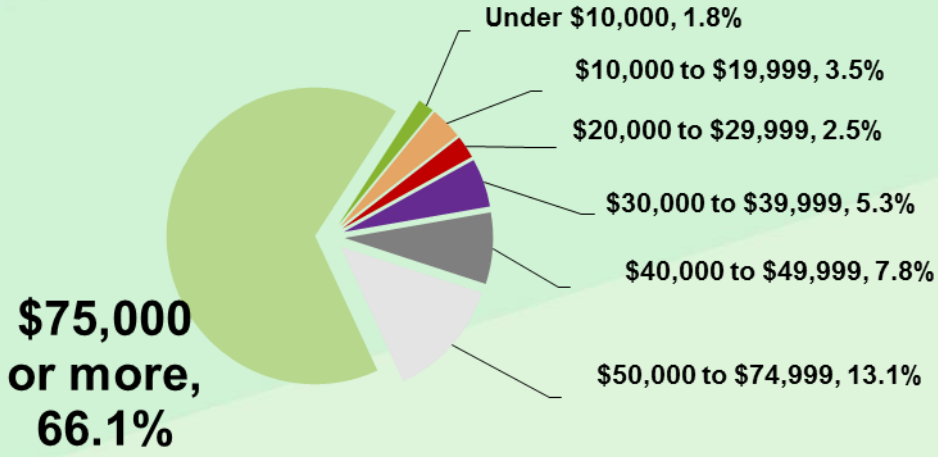
Sun Trolley Rider





General Public

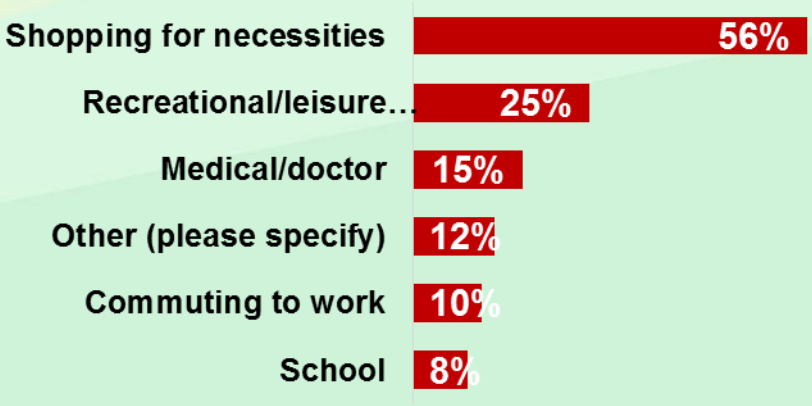




YMCA Survey

Sun Trolley Rider

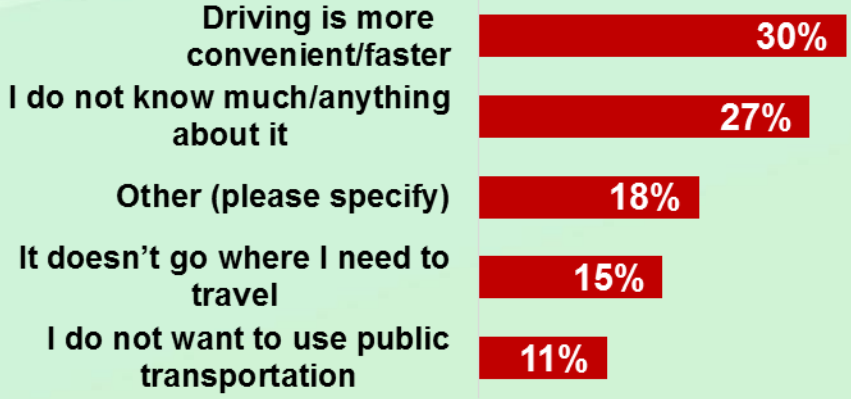
What is the Primary Trip Purpose?



- **Improvements Needed**
  - More frequent service (75%)
  - More weekend service (53%)
  - More connections to key locations (41%)
- **Typical Rider Characteristics**
  - Majority Black, ages 45–64, income of $10,000 or less

General Public

Why do You Not Use the Sun Trolley?

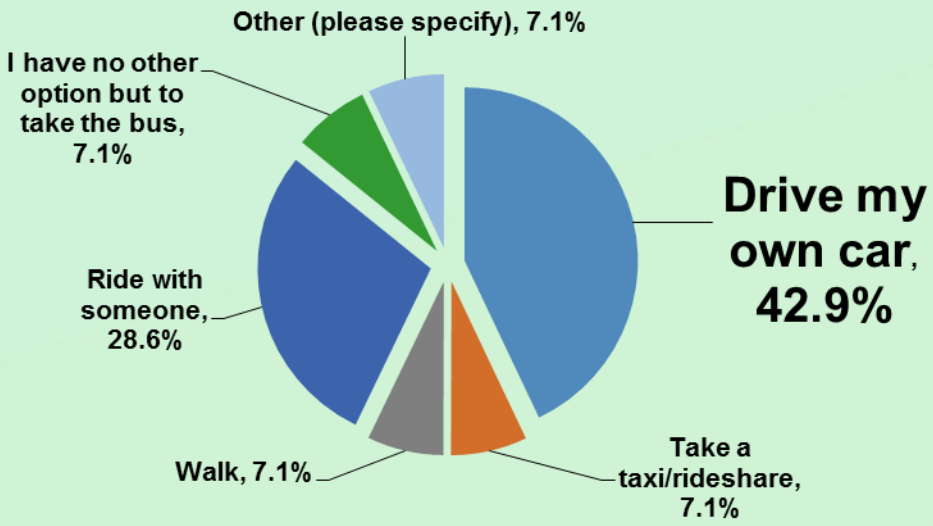


- **Improvements Needed**
  - More frequent service (66%)
  - More weekend service (37%)
  - More connections to key locations (27%)
- **Typical Rider Characteristics**
  - Majority Black, ages 45–65+, income of $19,999 or less

Galt Survey

- **Identify Types of Services If Additional Transit was Provided**
  - More frequent service on existing routes
  - More weekend service on existing routes
  - Later service on existing routes
  - Bus stop improvements
  - New routes
- **Typical Rider Characteristics**
  - White, over 65, income from $20,000 to $39,999

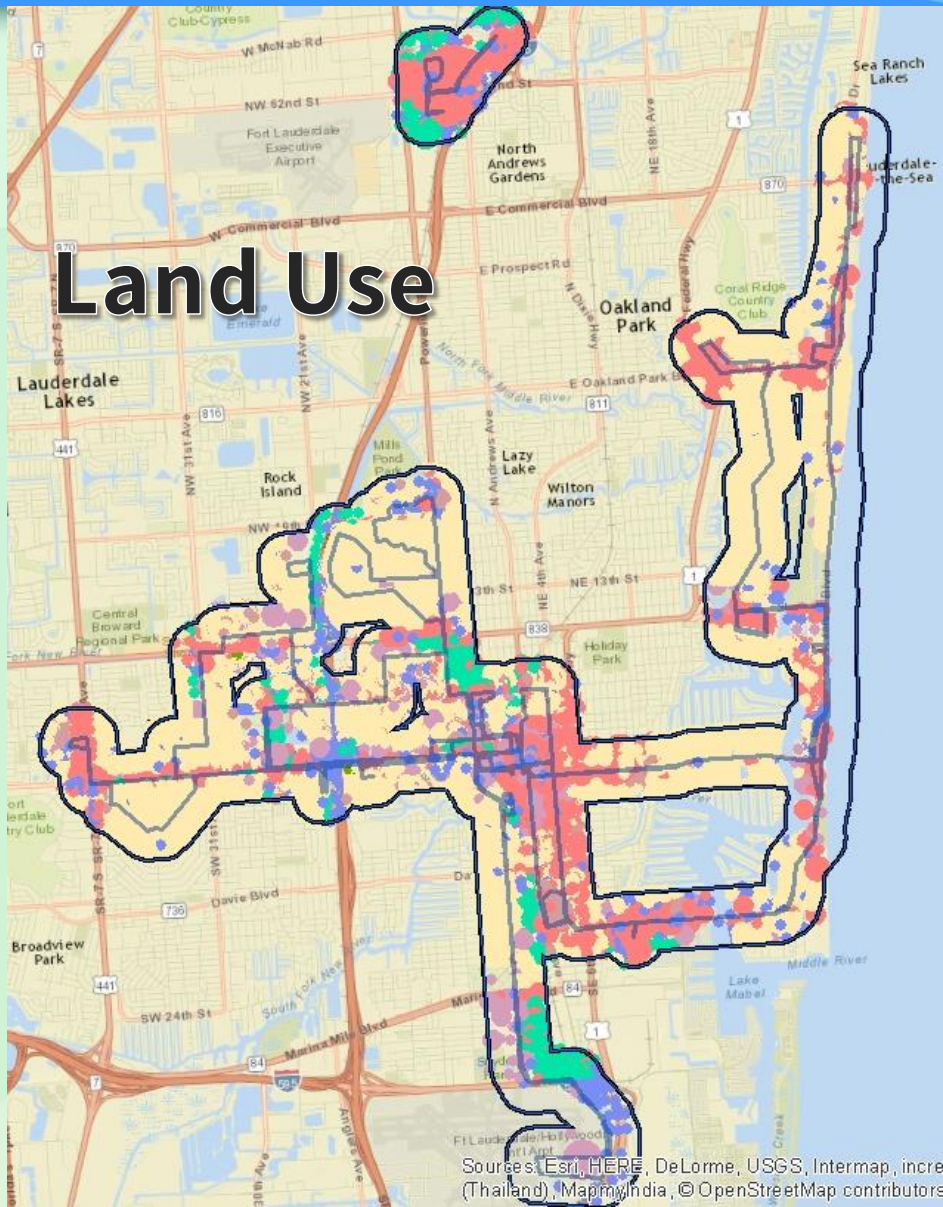
How Would You Travel If Not By Trolley?



Operational/Route Analysis

- **System & Route Review**
  - Population
  - Employment
  - Land Use
- **Segment Efficiency**
  - Stop Activity by Segment

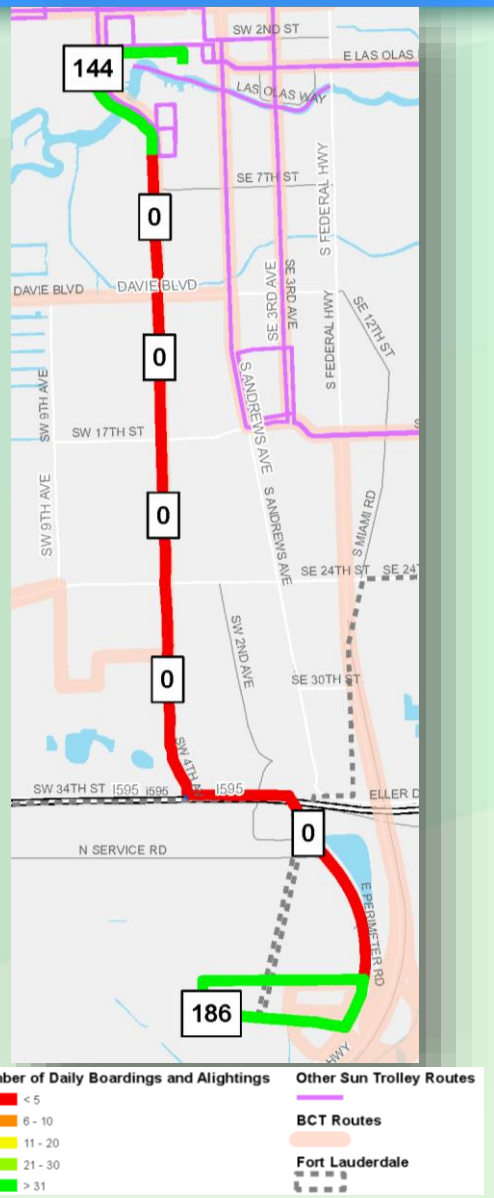
Operational/Route Analysis



Airport Link

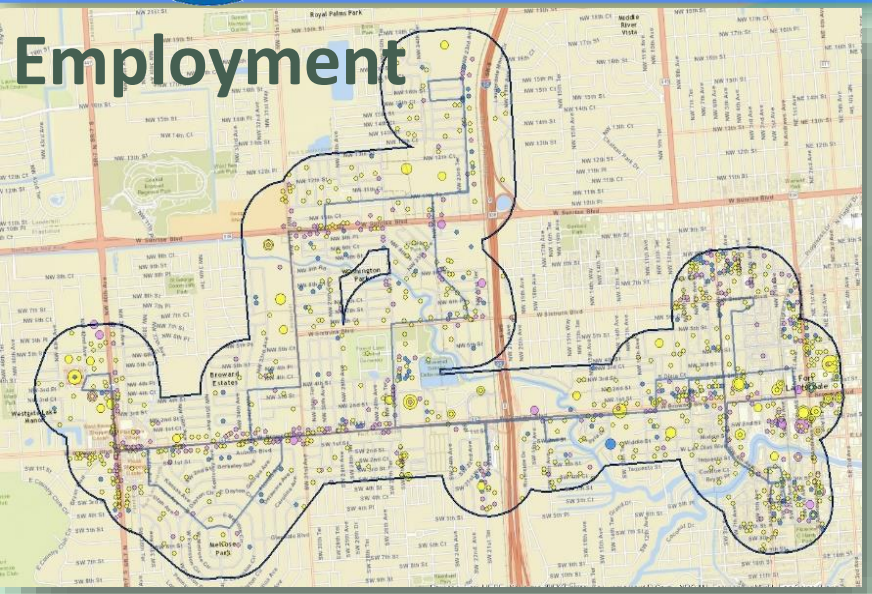
Stop Activity by Segment

Employment Land Use Population

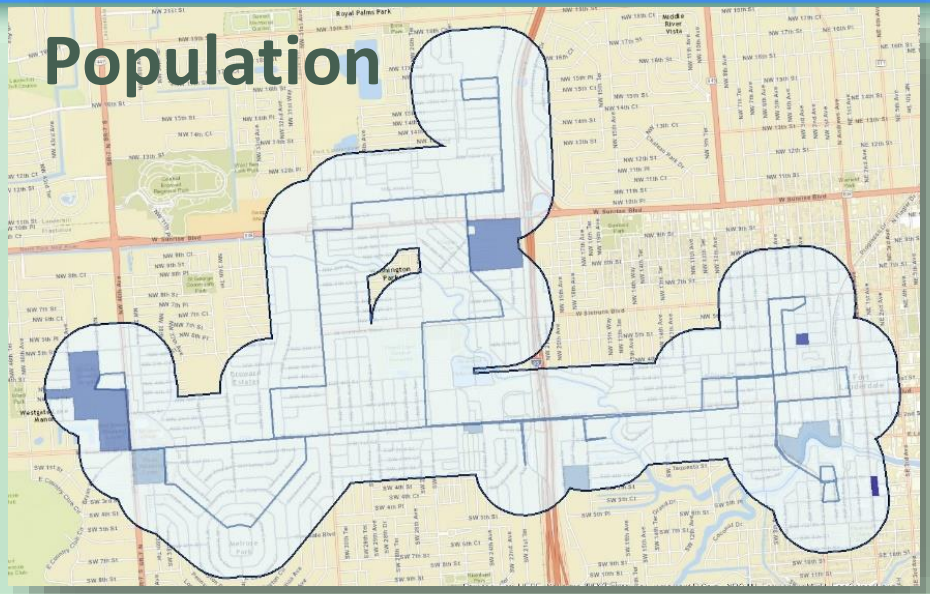


Neighborhood Link

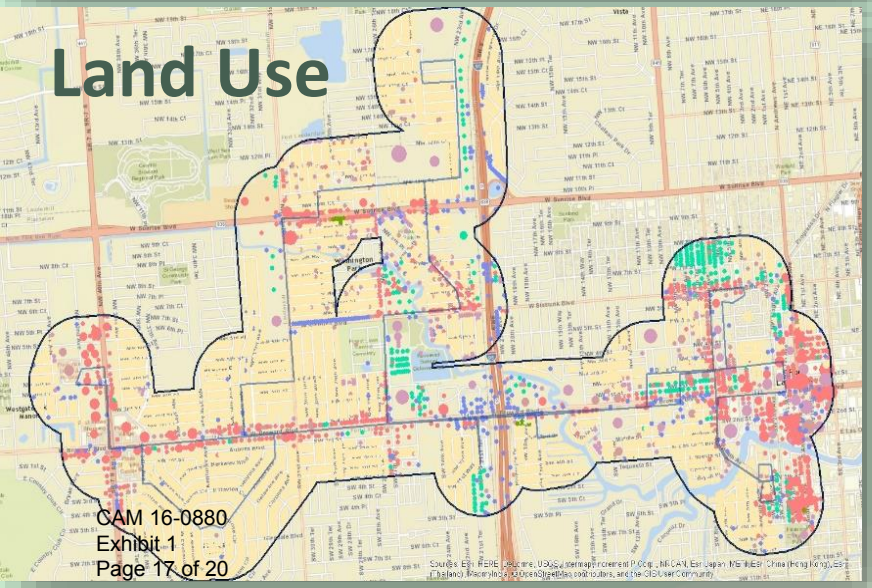
Employment



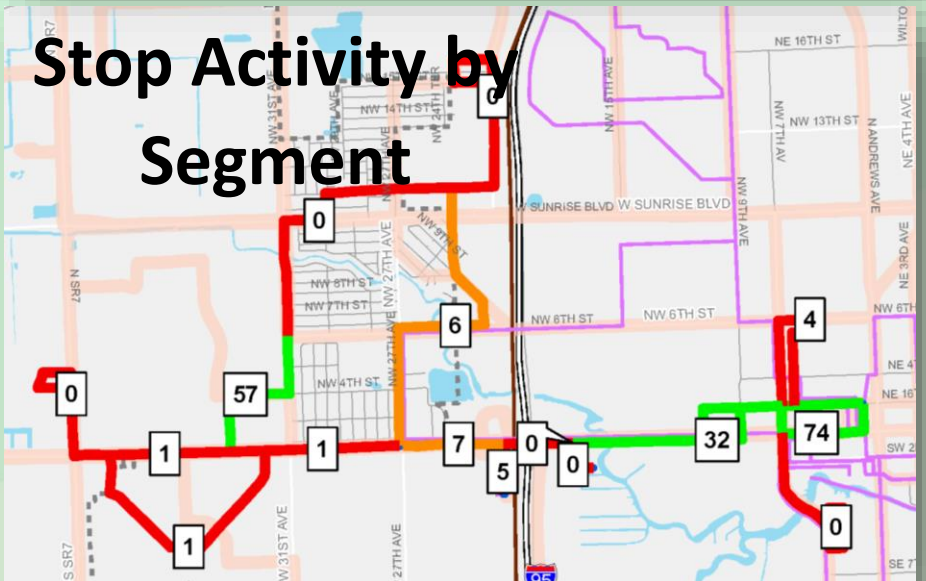
Population



Land Use

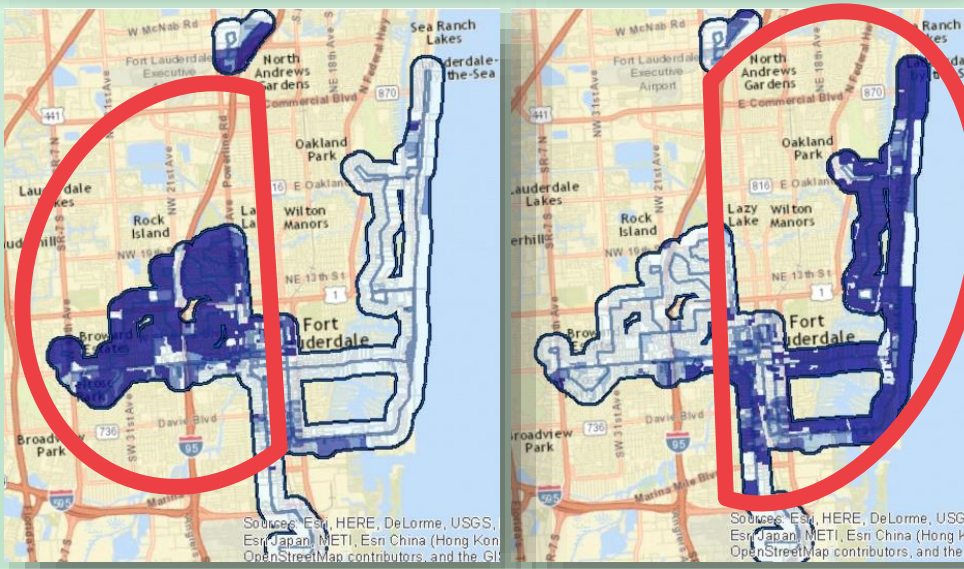


Stop Activity by Segment



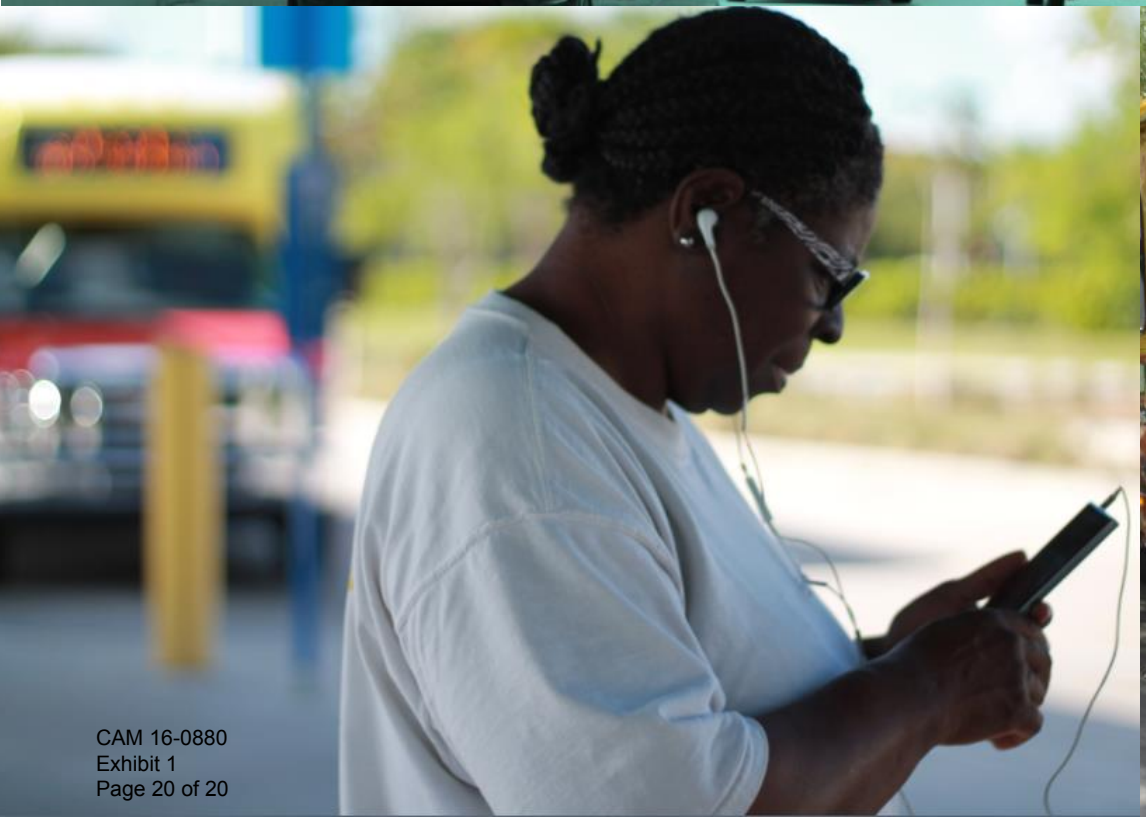
Overarching Themes & Emphasis Areas

- Connected activity hubs
- Connect workers to jobs
- Fixed bus stops and amenities
- Expand awareness and marketing
- Equity in Service Distribution
- Direct Connections
  - Neighborhoods to airport/seaport
  - Airport to A1A hotels/beach



Minority vs. White Population

Needs Summary

- **More Service**
  - NW Community
  - Sistrunk Boulevard
  - Downtown
  - Fort Lauderdale Beach
  - Las Olas
  - SE 17th Street
  - Galleria Mall
- **Connections to Airport, Port Everglades, Flagler Village, Victoria Park, Riverland, River Oaks, FAT Village, Wilton Manors, west of I-95**

Questions