



**December 6, 2013**



**2040 LRTP**

# Agenda

- ▶ Introductions
- ▶ SERPM7 Status Report
- ▶ E+C Model Results
- ▶ Needs Assessment Process
- ▶ Draft Needs Assessment Corridors
- ▶ Agency Master Plans Review
- ▶ Next Steps
- ▶ Meeting Adjournment



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# SERPM7 Status Report

- Model validation – December 2013
- E+C definition – Preliminary results released November 26, 2013
- Background needs network definition by December 2, 2013



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# E+C Model Results – Volume/Capacity

Facility Type	Peak Period Volume/Capacity Ratio
Freeways	1.09
Uninterrupted Roadways	0.52
Higher Speed Interrupted Facilities	1.06
Lower Speed Facilities and Collectors	1.02
Ramps	0.63
HOV Facilities	1.19
Toll Facilities	0.83
Countywide	0.93



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# E+C Model Results – Transit Mode Split

	Peak	Daily
Miami-Dade County Internal Trips	3.9%	0.9%
Regional Trips	2.6%	0.6%



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# Needs Assessment/Evaluation Process

- Needs Assessment
  - Define Needs Assessment corridors and screenlines
  - Mobility Needs Assessment Tool (MNAT application)
  - Analysis of agency master plan projects
- Needs Plan Evaluation (project level)
  - Goal Scales and Elements
  - Project Status
- Scenario Evaluation (system level)
  - MOE application



# Agency Input

- Master Plans/2035 LRTP projects review and GIS data
- Project evaluation GIS data
- Mobility needs workshop



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# Mobility Needs Schedule (MNAT application)

- Define Corridors and Establish Screenline Locations (December 2013)
- Populate MNAT (January 2013)
- Workshop MNAT (February 2013)
- Define project limits (February 2013)

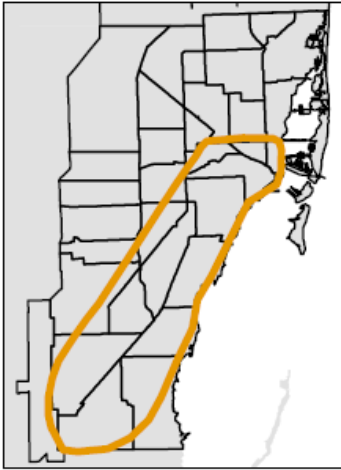


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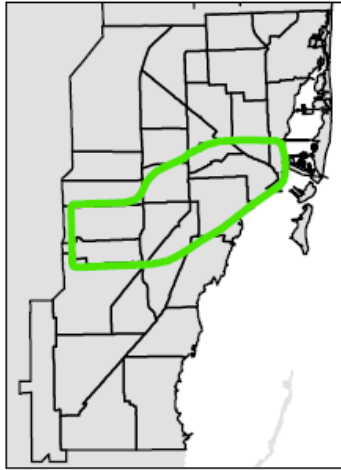


# 2040 Needs Assessment Corridors

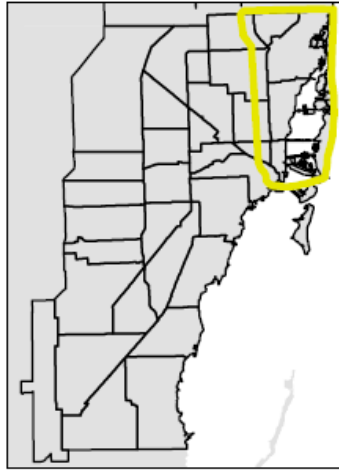
**Corridor 1**



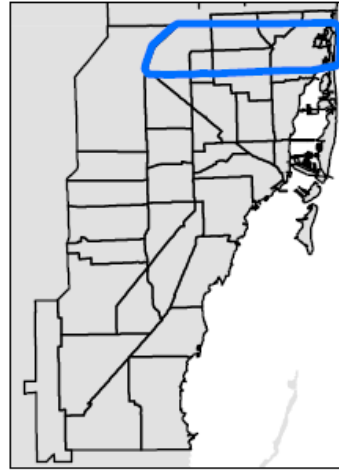
**Corridor 2**



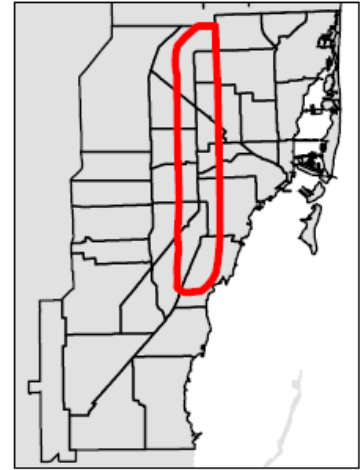
**Corridor 3**



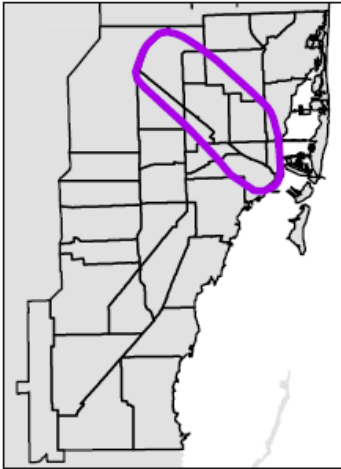
**Corridor 4**



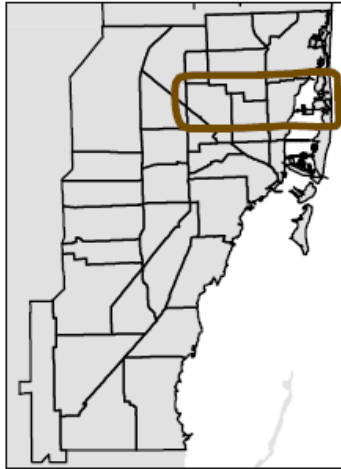
**Corridor 5**



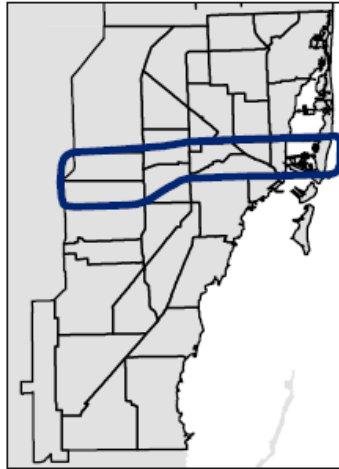
**Corridor 6**



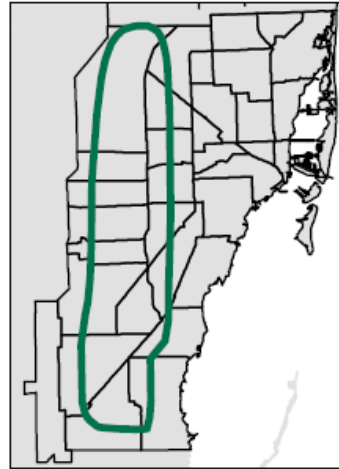
**Corridor 7**



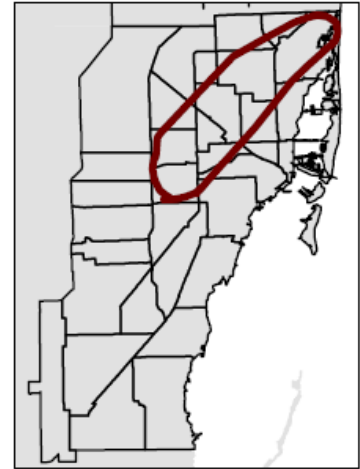
**Corridor 8**



**Corridor 9**



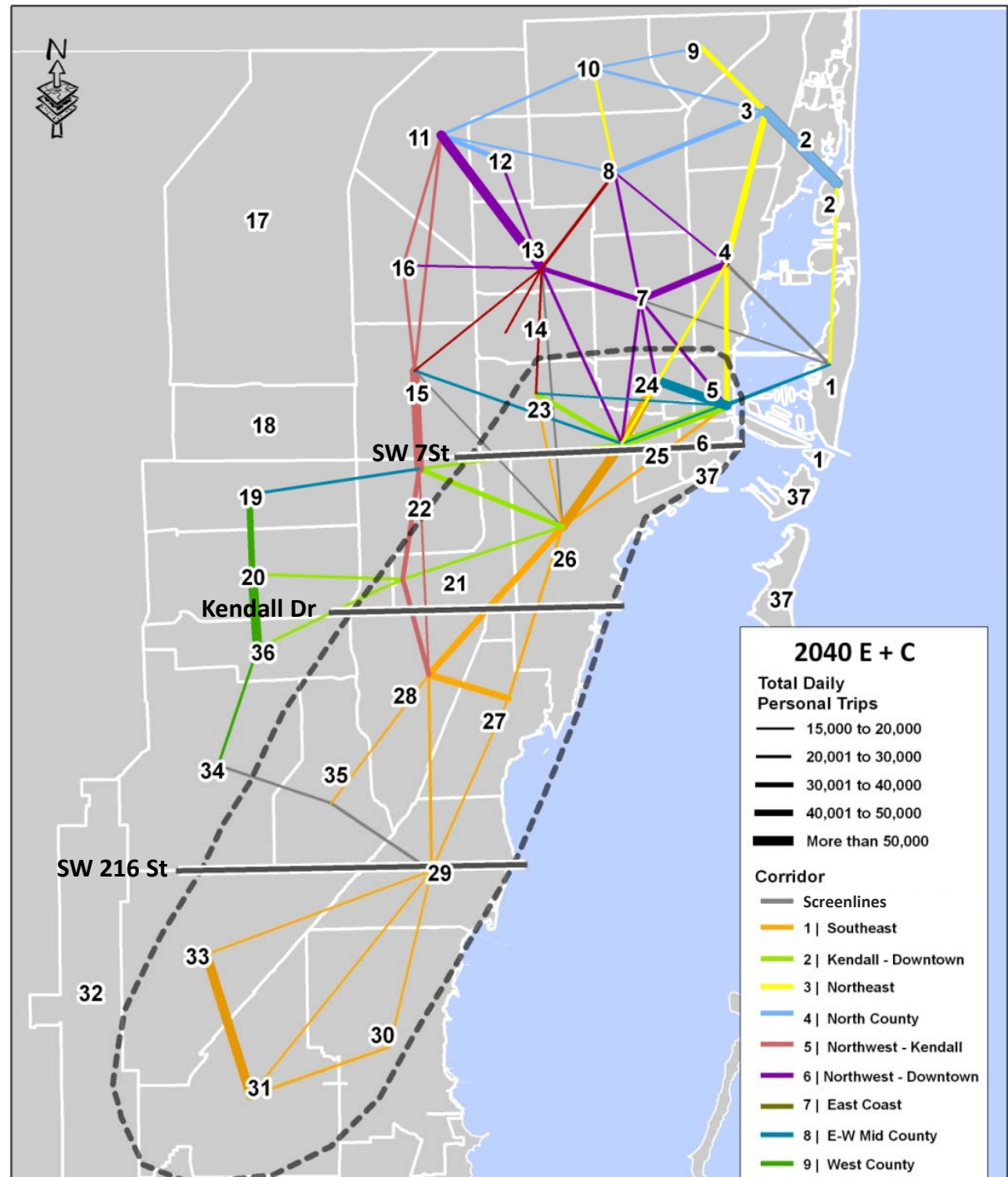
**Corridor 10**



# Corridor 1 | Southwest US 1

## Corridor Snapshot

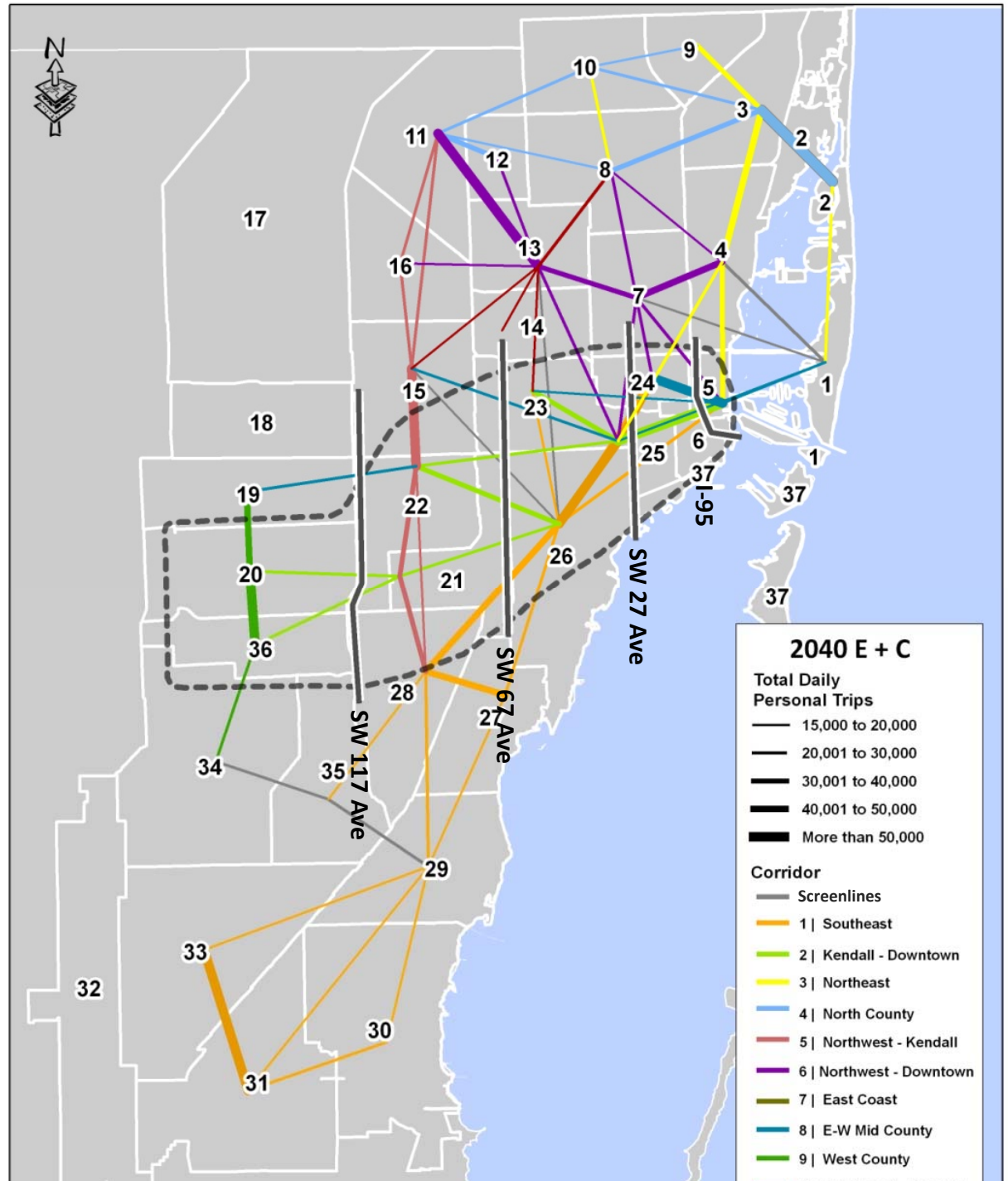
- ❖ Daily Person Trips: 1,388,500 (19% of total trips)
- ❖ Length: 33 Miles
- ❖ Width: 9 Miles
- ❖ No. of Screenlines: 3



## Corridor 2 | Kendall - Downtown

### Corridor Snapshot

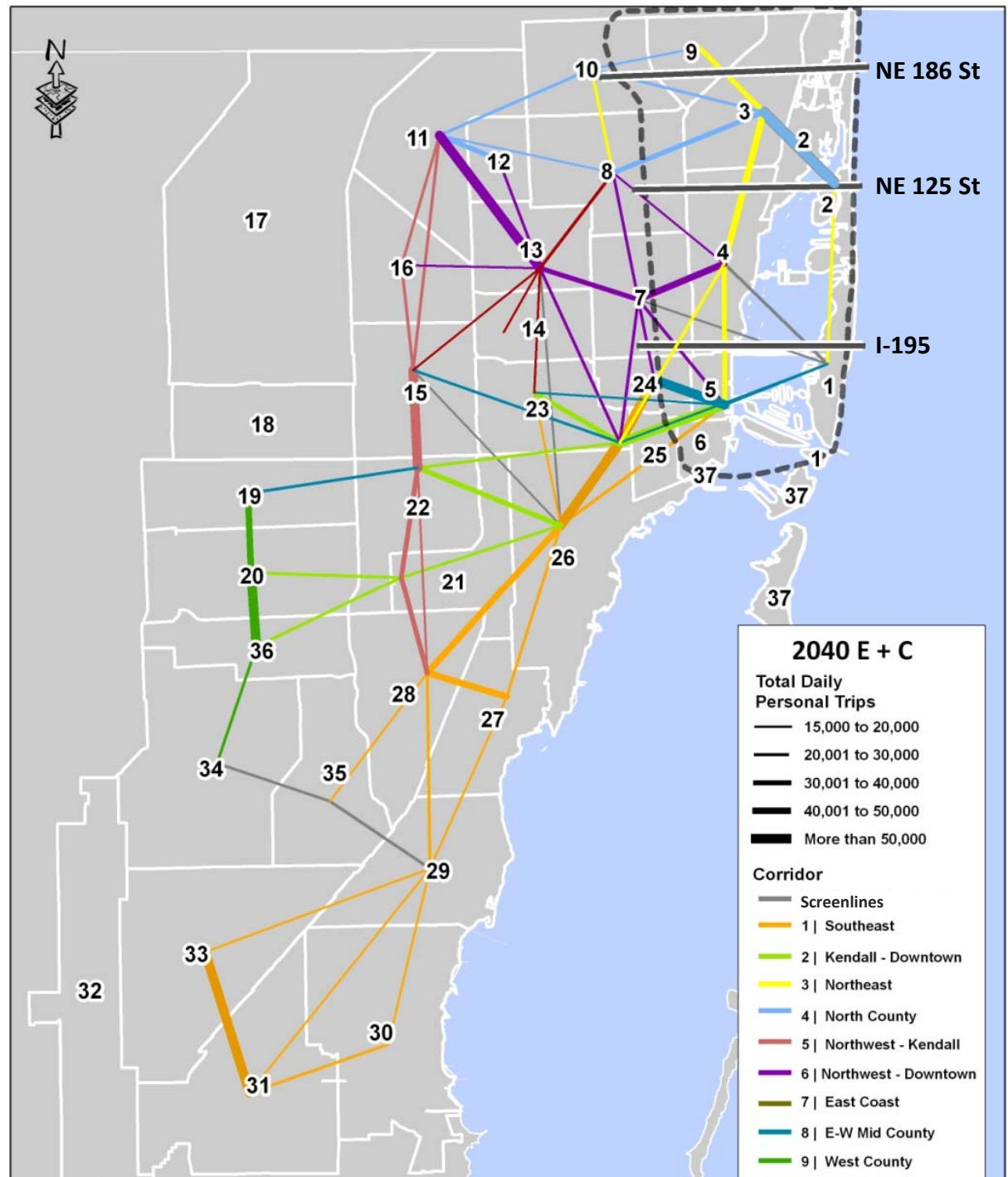
- ❖ Daily Person Trips  
692,500  
(9% of total trips)
- ❖ Length: 18 Miles
- ❖ Width: 8 Miles
- ❖ No. of Screenlines: 4



## Corridor 3 | Northeast

### Corridor Snapshot

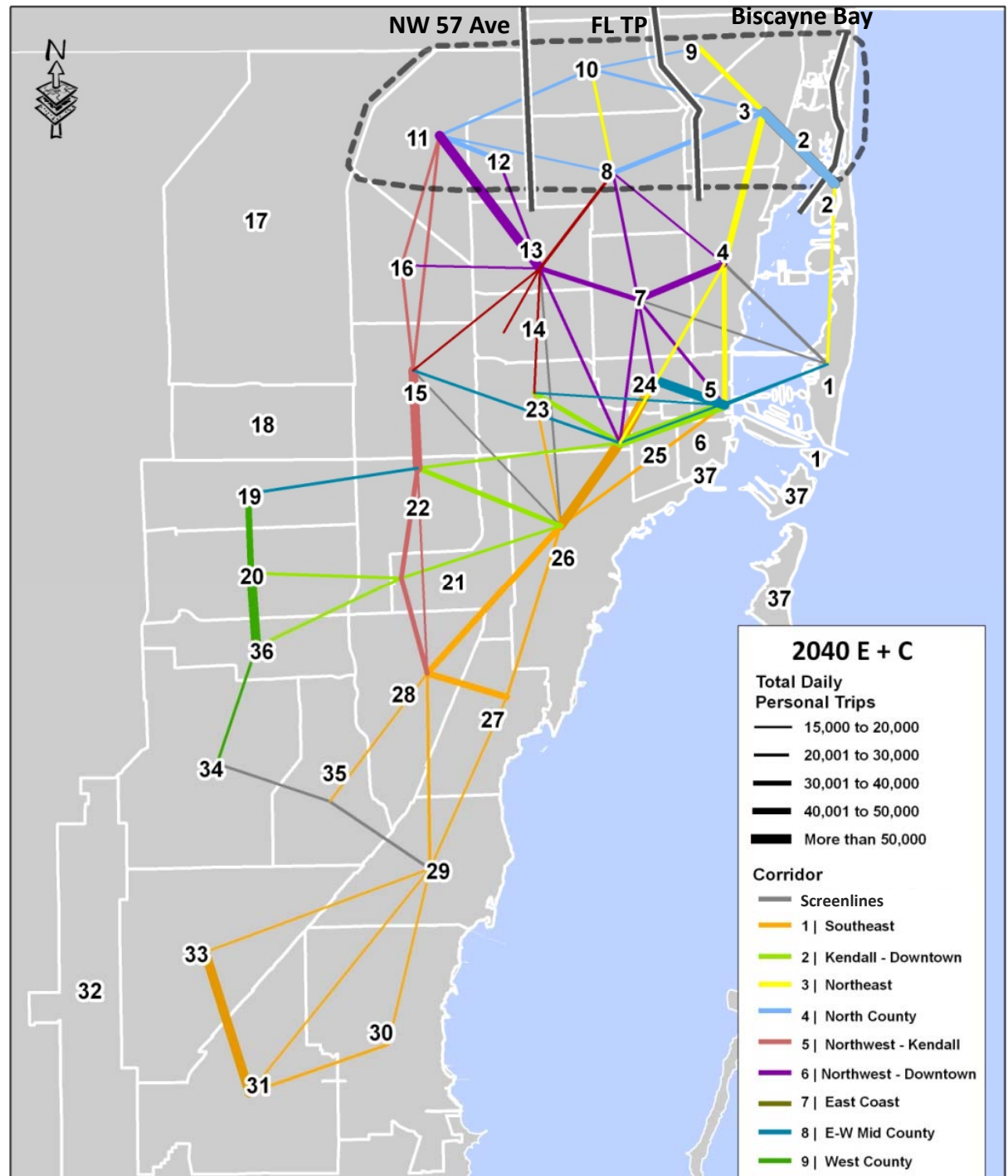
- ❖ Daily Person Trips  
442,700  
(6% of total trips)
- ❖ Length: 16 Miles
- ❖ Width: 7 Miles
- ❖ No. of Screenlines: 3



# Corridor 4 | North County

## Corridor Snapshot

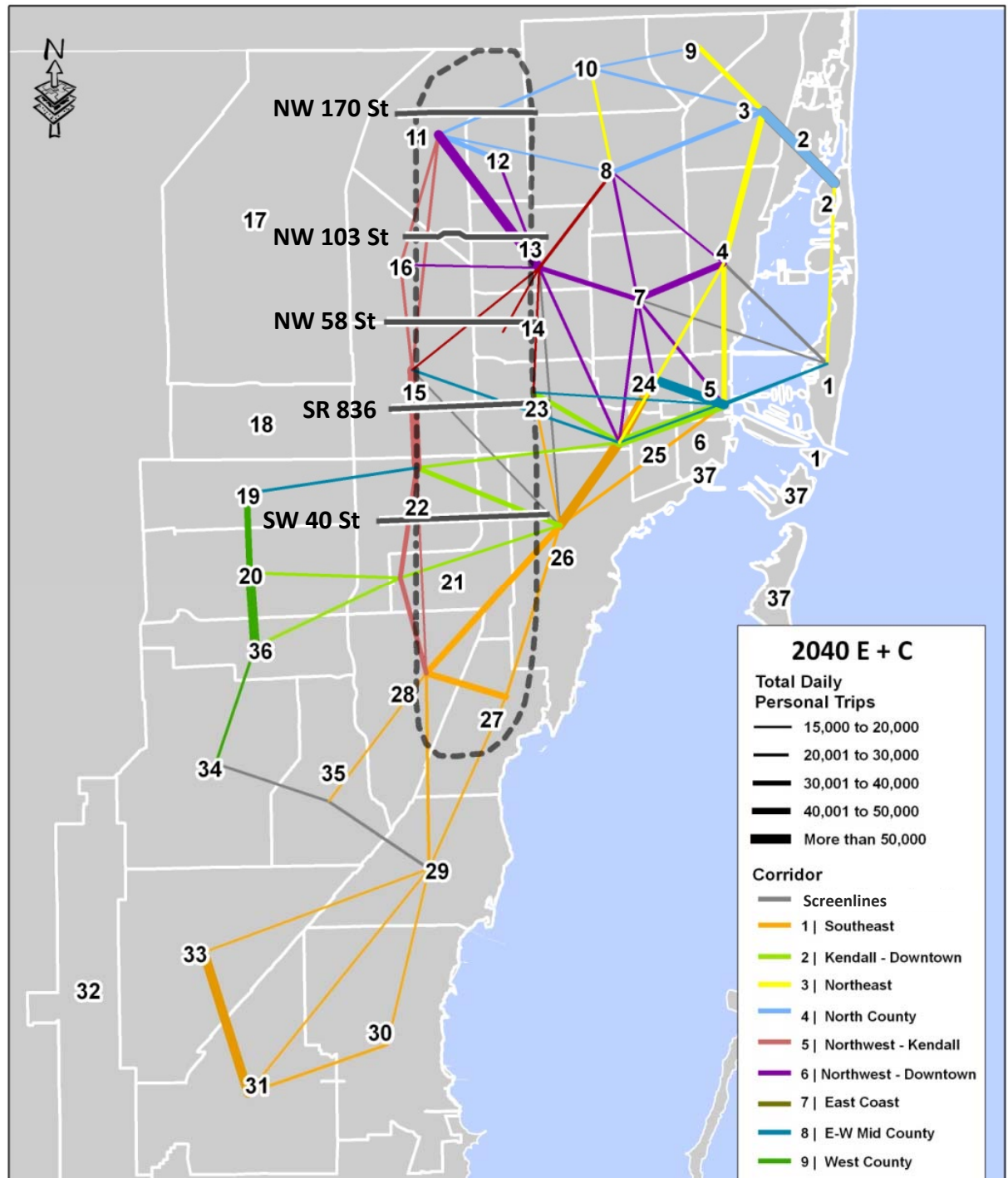
- ❖ Daily Person Trips  
519,700  
(7% of total trips)
- ❖ Length: 17 Miles
- ❖ Width: 5 Miles
- ❖ No. of Screenlines: 3



## Corridor 5 | Northwest - Kendall

### Corridor Snapshot

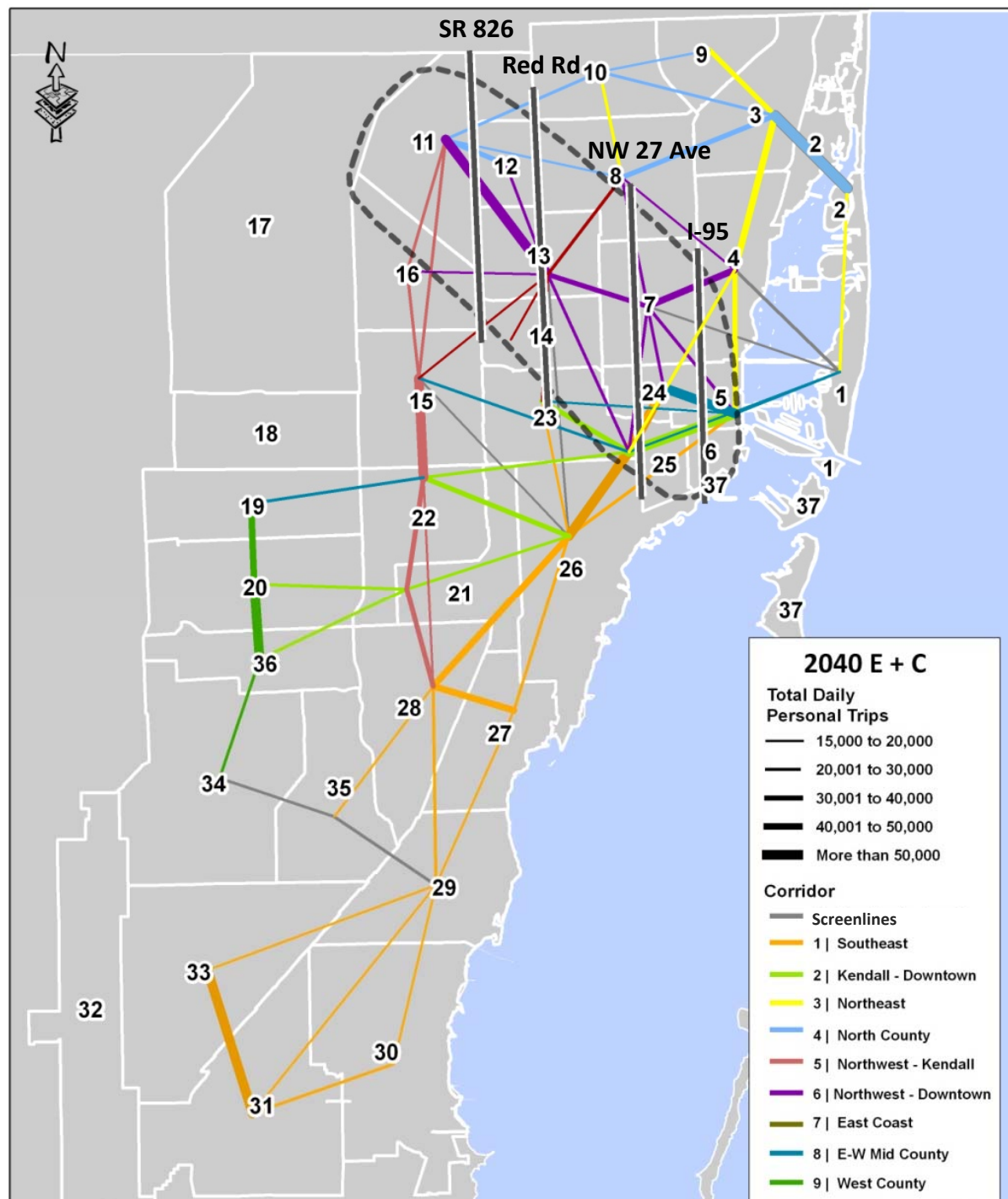
- ❖ Daily Person Trips  
501,100  
(7% of total trips)
- ❖ Length: 24 Miles
- ❖ Width: 5 Miles
- ❖ No. of Screenlines: 5



## Corridor 6 | Northwest - Downtown

### Corridor Snapshot

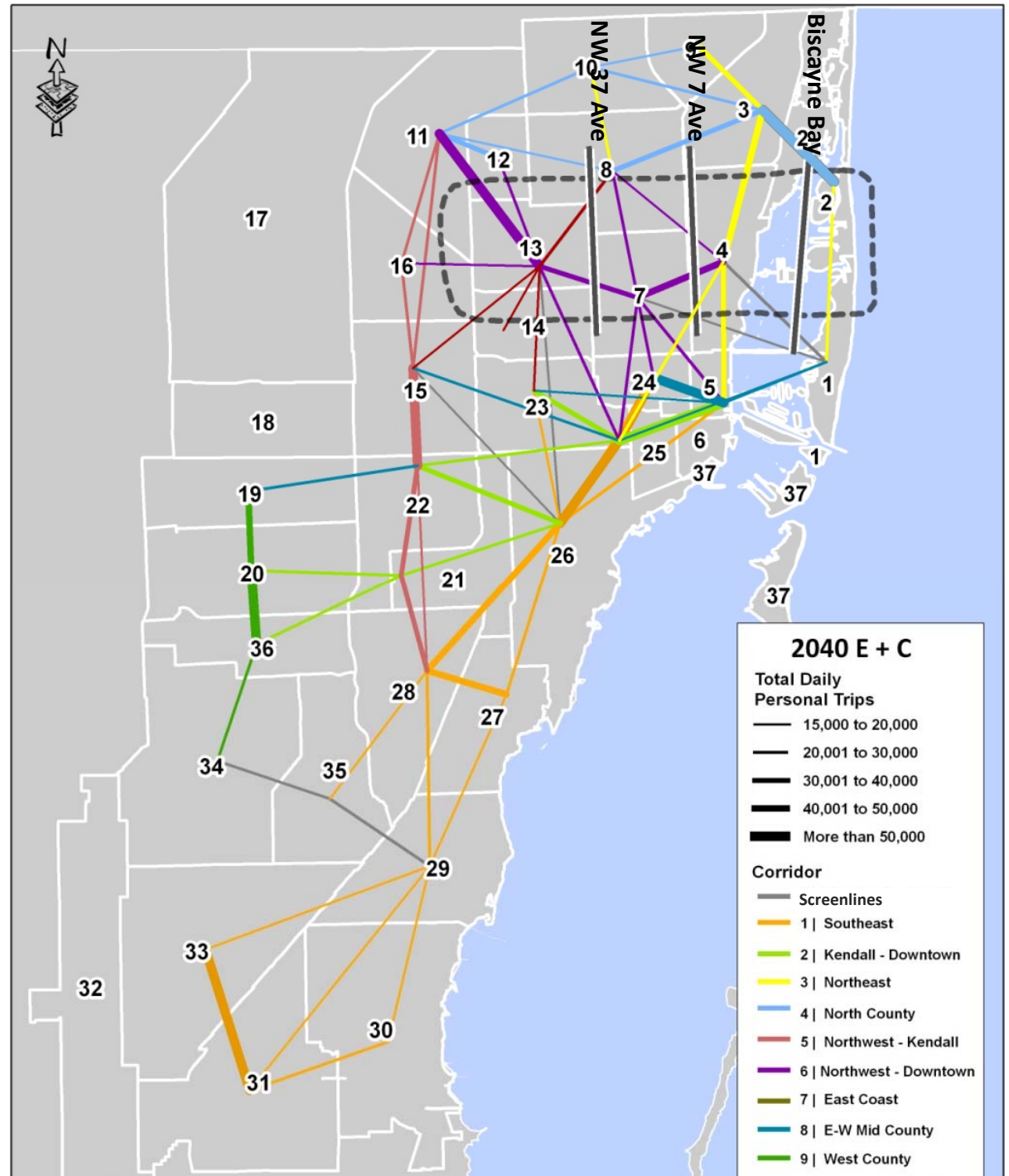
- ❖ Daily Person Trips  
883,900  
(12% of total trips)
- ❖ Length: 17 Miles
- ❖ Width: 7 Miles
- ❖ No. of Screenlines: 3



## Corridor 7 | East Coast

### Corridor Snapshot

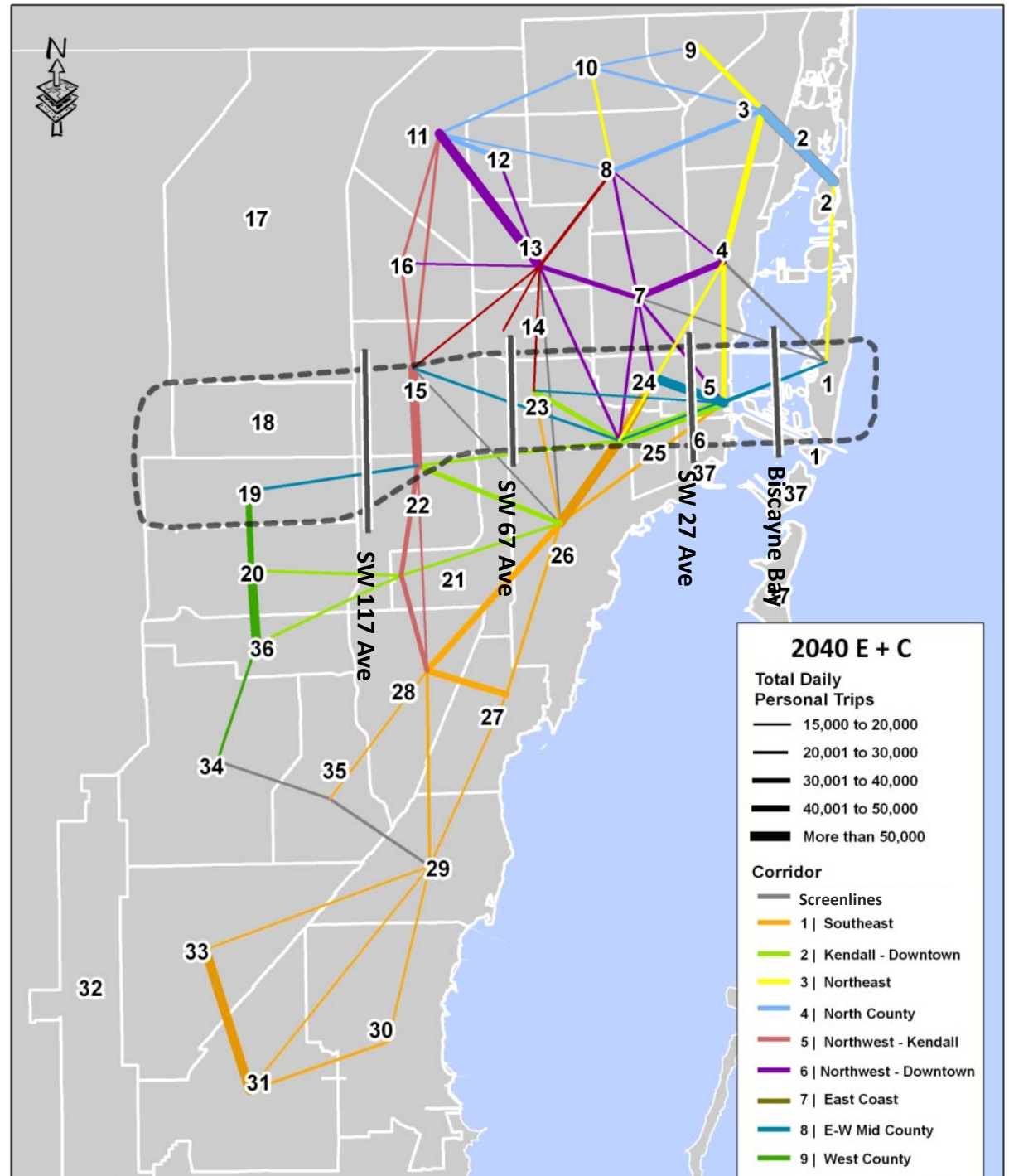
- ❖ Daily Person Trips  
76,600  
(1% of total trips)
- ❖ Length: 14 Miles
- ❖ Width: 4 Miles
- ❖ No. of Screenlines: 3



## Corridor 8 | E-W Mid County

### Corridor Snapshot

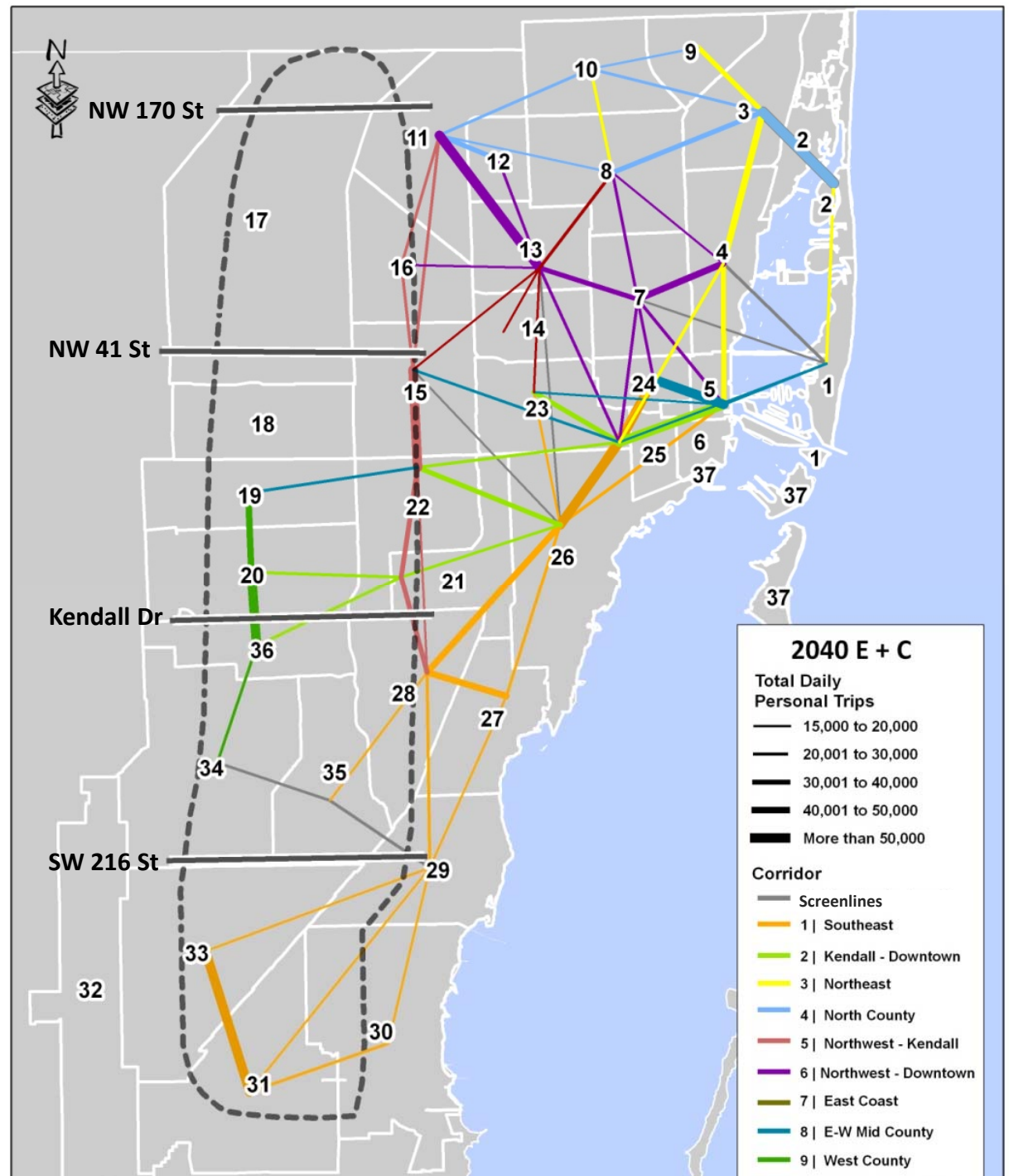
- ❖ Daily Person Trips  
571,000  
(8% of total trips)
- ❖ Length: 23 Miles
- ❖ Width: 4 Miles
- ❖ No. of Screenlines: 4



# Corridor 9 | West County

## Corridor Snapshot

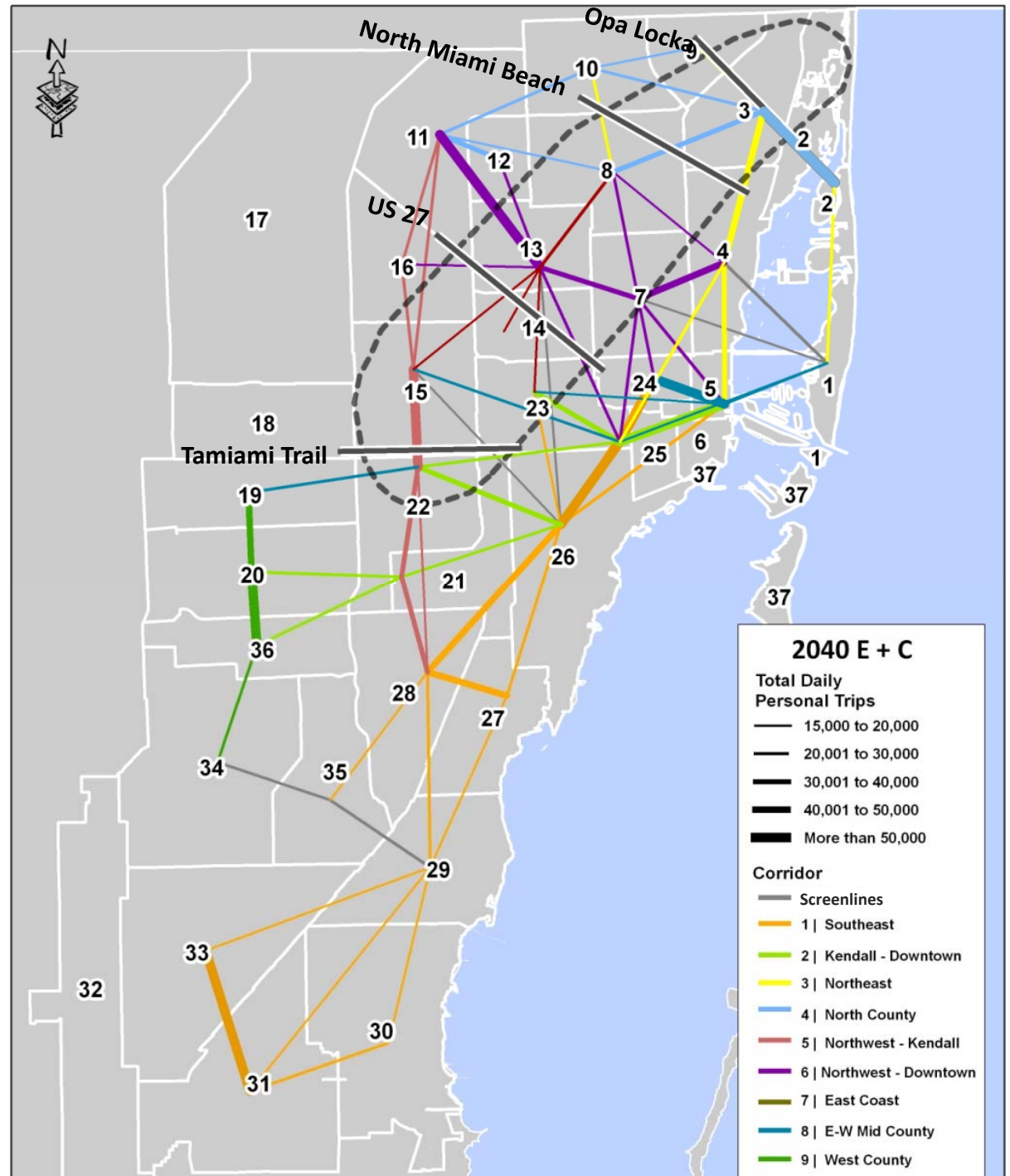
- ❖ Daily Person Trips  
427,900  
(6% of total trips)
- ❖ Length: 35 Miles
- ❖ Width: 7 Miles
- ❖ No. of Screenlines: 4



## Corridor 10 | Northeast - Kendall

### Corridor Snapshot

- ❖ Daily Person Trips  
406,600  
(6% of total trips)
- ❖ Length: 21 Miles
- ❖ Width: 6 Miles
- ❖ No. of Screenlines: 4



# Summary of Corridor Trips

Corridor	Total Daily Person Trips	Percent of Interdistrict Person Trips	Transit Mode Share
1 - Southeast	1,388,500	19%	1.4%
2 - Kendall-Downtown	692,500	9%	1.8%
3 - Northeast	442,700	6%	1.7%
4 - North County	519,700	7%	0.6%
5 - Northwest-Kendall	501,100	7%	0.3%
6 - Northwest-Downtown	883,900	12%	2.3%
7 - East Coast	76,600	1%	1.6%
8 - E-W Mid County	571,000	8%	1.6%
9 - West County	427,900	6%	0.2%
10 - Northeast-Kendall	406,600	6%	0.6%
Total Corridor Trips	5,910,400	81%	1.3%
Total Interdistrict Trips	7,330,100	100%	1.1%

# Agency Master Plans Review

- Agency specific Needs Plan projects
  - Master Plan projects where available
  - 2035 Needs Plan projects not advanced into TIP
- Represents Needs Plan starting point
- Two possible sources of project details for model coding
  - Steering Committee input
  - 2035 Needs Plan model network



# Next Steps

- Needs Assessment
- Needs Plan Evaluation
- Public Involvement
- Development of Cost Feasible Plan



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# Miami-Dade 2040 LRTP

## Questions / Comments

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