MIAMI-DADE MPO
Metropolitan Planning Organization

January 17, 2014

2040 LRTP

Agenda

- Introductions
- LRTP Update Process
- SERPM7 Status Report
- Needs Assessment Process
- Preliminary Corridor/Screenline Results
- Next Steps
- Meeting Adjournment

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2040 Miami-Dade Transportation Plan
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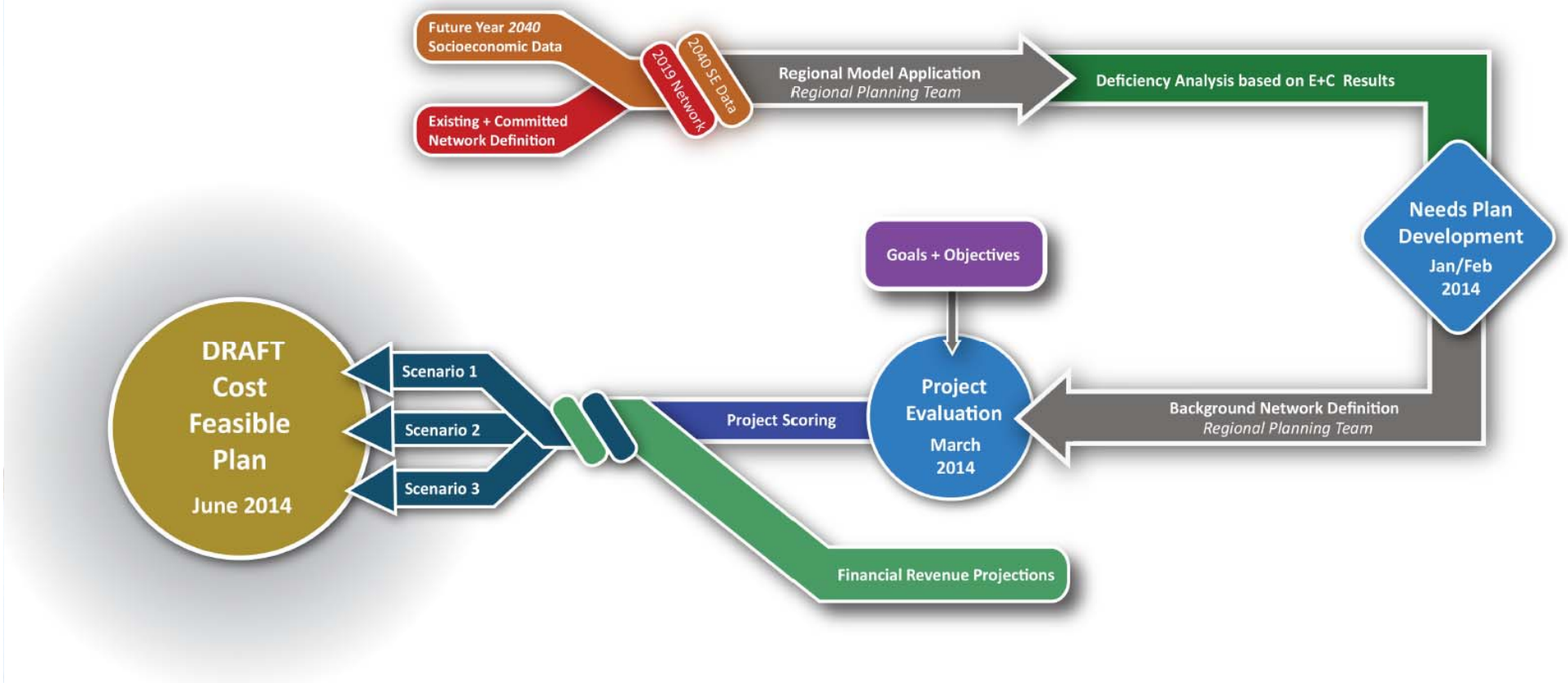
LRTP Update Process



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Needs/Cost Feasible Plan Milestones

- Assess Needs – January/February 2014
- Evaluate/Prioritize Needs – March 2014
- Present Needs to Public – April 2014
- Test Cost Feasible Plan scenarios – May 2014
- Review/Revise/Finalize DRAFT Cost Feasible Plan – June 2014

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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

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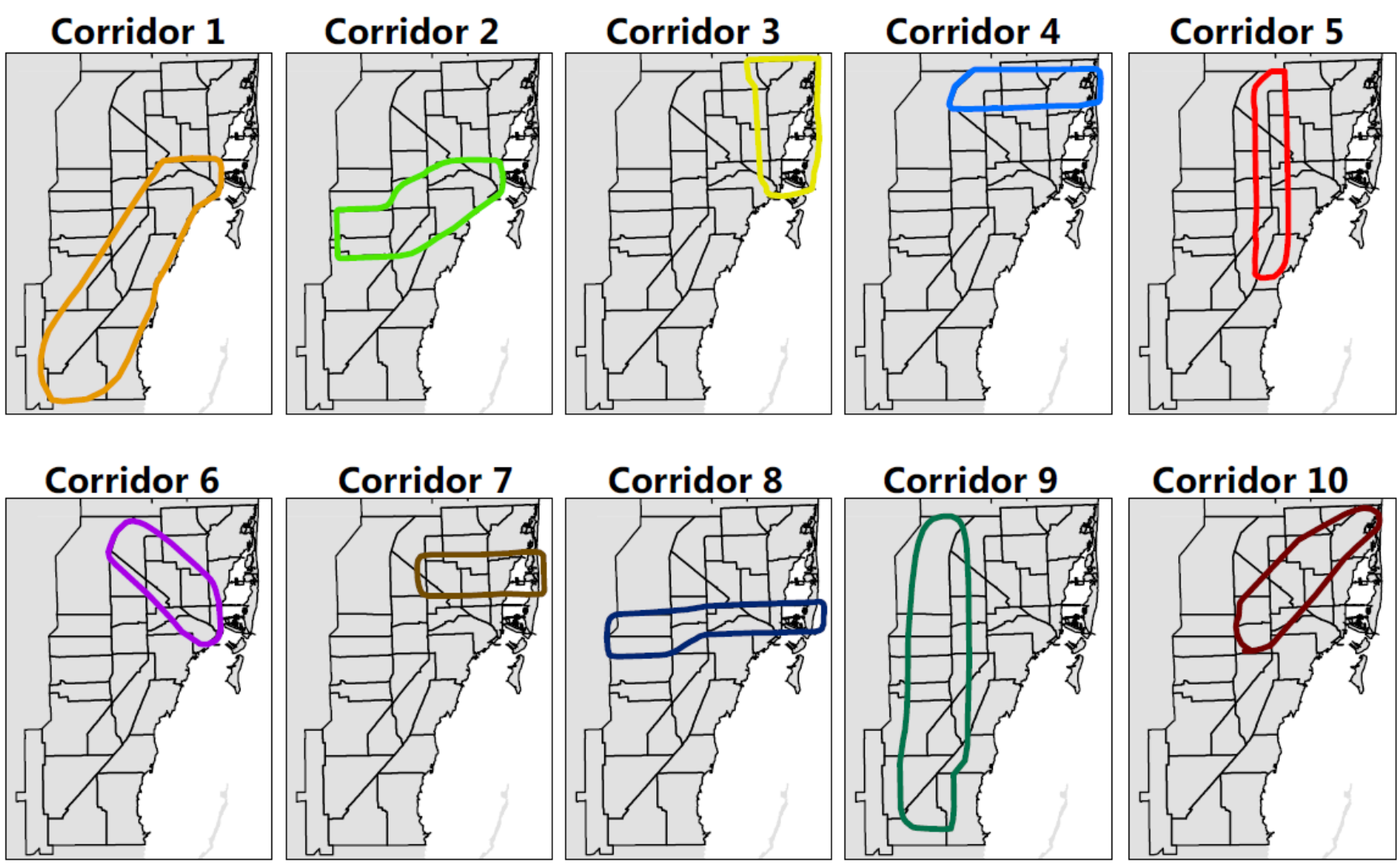
2040 Needs Assessment Corridors



Mobility Needs Assessment Tool (MNAT application)

Highway Inventory

Screen Line	Link	E+C Lanes	Add Lanes	Grade Sep.	Div. Road	Left Turn Lanes	Changed Screen Line
Yes	Florida Turnpike	6	0	Yes	N/A	N/A	
Yes	I-95	6	2	Yes	N/A	N/A	,31,32,33
Yes	I-95 Managed Lanes	4	0	Yes	N/A	N/A	
Yes	SR 41A	6	0	No	Yes	Yes	
				No	Yes	Yes	
Yes	NW 27th Ave.	6	0	No	Yes	Yes	
Yes	NW 2nd Ave.	6	0	No	Yes	Yes	,32
Yes	NE 1[illegible]th Ave.	4	0	No	Yes	Yes	
Yes	NE 2nd Ave.						
Yes	NW 12th Ave.	2	0	No	No	No	
Yes	NW 7th Ave.	2	0	No	No	No	
Yes	W. Dixie Hwy.	2	0	No	Yes	Yes	,32
No	NW 22nd Ave.	0	2	No	No	No	
No	NW 22nd Ave.	0	2	No	No	No	

Transit Inventory

Route Name	Current Vehicle Type	New Vehicle Type	Current Headway	New Headway	Changed Screen
Rte 2BCT: Broward to Miami Breeze via University Dr.	Regular	BRT	30	5	,31
Rte 3: Aventura Mall to CBD via Biscayne Blvd	Regular	Regular	18	18	
Rte 7BCT: Broward to Miami Breeze via NW 7 Ave	Regular	BRT	30	10	,31,32,33
Rte 9: Aventura Mall to CBD via W. Dixie Hwy/NW 2 Ave	Regular	Regular	12	12	
Rte 17: Vizcaya Station to Opa-Locka via NW 17 Ave/NW 22 Ave	Regular	Regular	30	30	
Rte 18: Broward to Golden Glades via NW 2 Ave	Regular	Regular	15	10	,31
Rte 27: Calder Race Track to Coco Grove MR via 27 Ave	Regular	Regular	30	30	
Rte 75: Miami Lakes to FIU Biscayne Bay 175 St/NW 151 St SR441 to CBD 7 Ave	Regular	Regular	30	30	
				20	
Rte 91: NW 67th Ave to 16[illegible] via NW 215 St/NE 19 Ave				30	
Rte 93: MAX Aventura Mall to CBD via Biscayne Blvd	Regular	Regular	15	15	
Rte 97: MAX NW 207 St to NW 62 St via NW 27 Ave	Regular	Regular			
Rte 183: Aventura Mall to Palm Springs via Miami Gardens Dr	Regular	Regular	30	30	
Rte 441BC[illegible] via US 441			30	5	,31
Rte 95X: N[illegible] via I-95			3	3	
Rte E: Bro[illegible] via Collins Ave/163 St	Regular	Regular	30	30	
Rte K: Diplomat to CBD via Collins Ave/MacArthur Cswy	Regular	Regular	20	20	
Rte S: CBD to Aventura Mall via Collins Ave/Biscayne Blvd	Regular	Regular	12	12	
Tri-Rail	Tri-Rail	Tri-Rail	20	20	
FEC Corridor		Metrorail	0	15	,31,32,33
North Corridor		Metrorail	0	6	,31
New					
New					
New					

Summary

Volume	59,426
E+C Capacity	56,940
2035 Needs Capacity	77,015
E+C V/C	1.04
2035 Needs V/C	0.77
Added Capacity	20,075
Required Capacity	2,220
New V/C	0.77
Δ V/C Required	0.02

Value Changed
Value Changed in another screenline
Input Values

Project exists on facility

Highway improvement types

Transit improvement type 1

Transit improvement type 2

Project exists on facility in other screenline/corridor

Screenlines affected by projects on given facility

Summary statistics

Facility does not cross screenline

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 at this point
- Two possible sources of project details for model coding
  - Steering Committee input
  - 2035 Needs Plan model network

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Preliminary Corridor/Screenline Results

- Comparison of E+C Volume/Capacity ratios to estimated reductions in V/C by needs projects
- Enables the project team to focus on deficient corridors
- Preliminary results indicate all corridors reduced to below 1.0 V/C with needs projects (9 of 10 corridors have V/C>1 in E+C)

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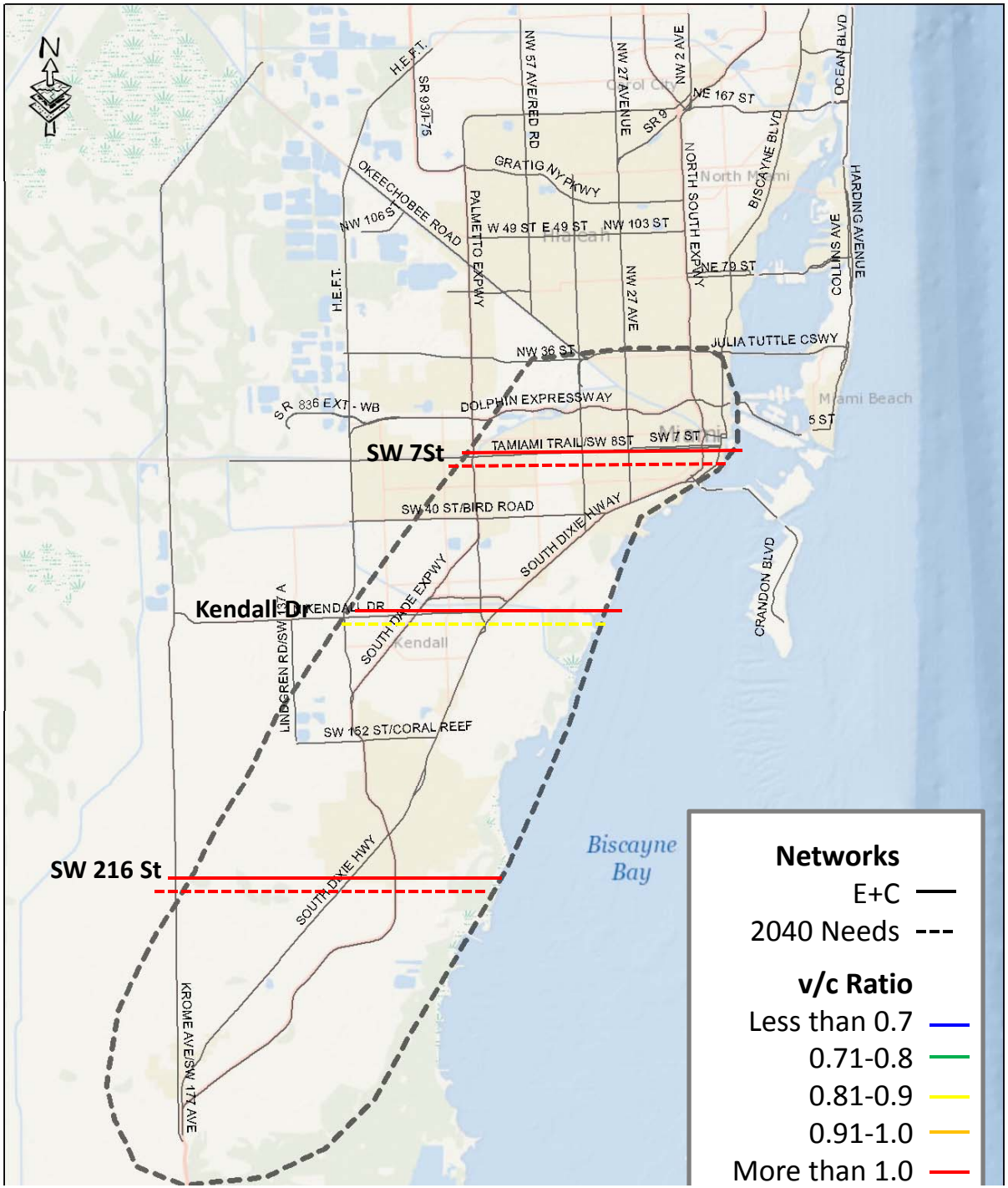
Corridor 1 | Southwest US 1

2040 Needs Projects (some of)

- PW127 – SE 1st Ave extension
- MDT168 – Douglas Rd light rail US1 to MIC
- MDT155 – HEFT express bus transit service US1 to FIU
- MDX119/116 – US1 managed lanes SW 344th St to I-95
- TP102 – HEFT widening Speedway Blvd to SW 216th St

Corridor Snapshot

- **Daily Person Trips: 1,388,500 (19% of total trips)**
- **E+C V/C: 1.22**
- **Needs V/C: 0.95**



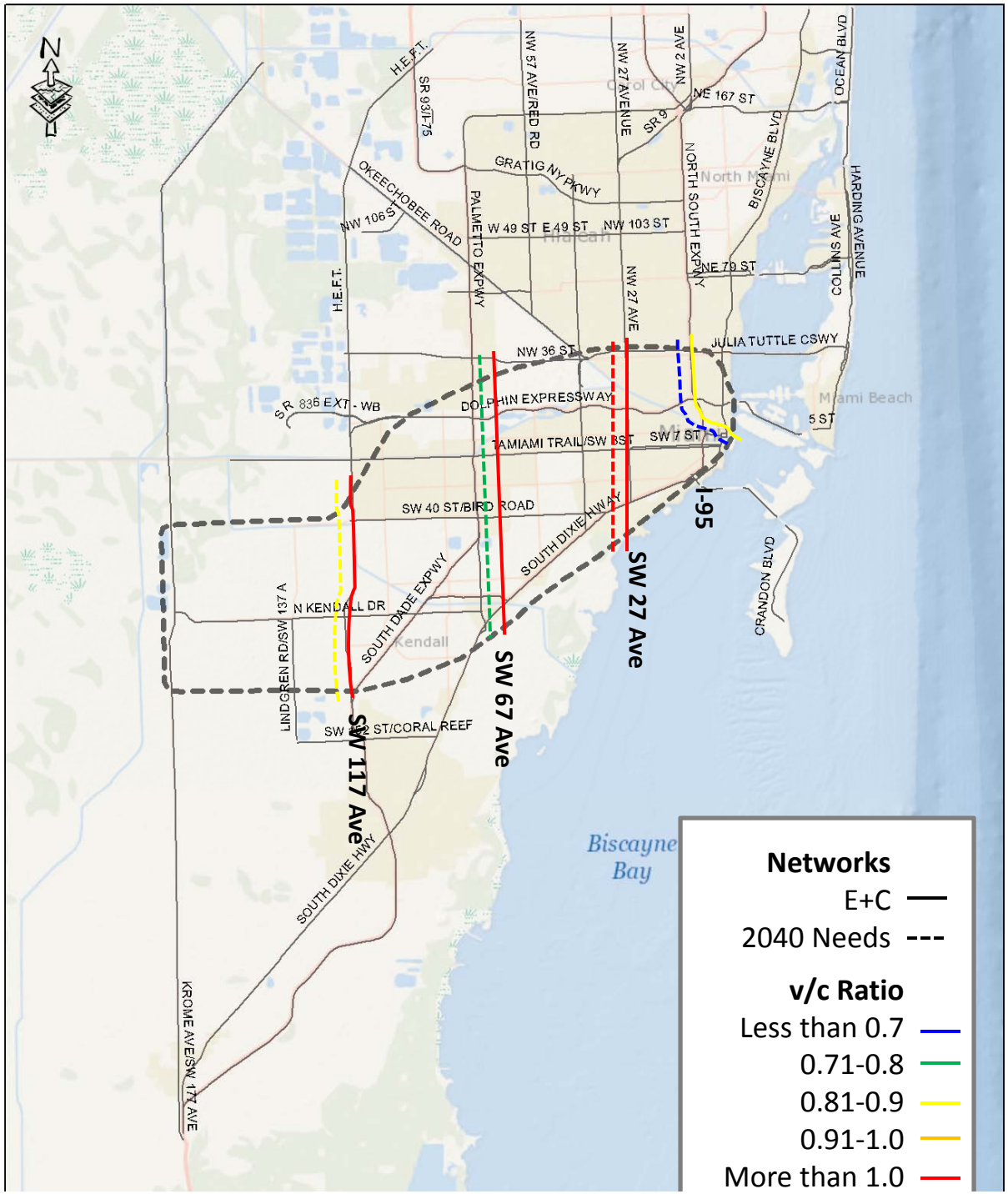
Corridor 2 | Kendall - Downtown

2040 Needs Projects (some of)

- MDX110 – SR836 managed lanes HEFT to SR826
- MDX102 – SR836 managed lanes SR826 to I-95
- PW150 – SW 80th St 2 to 5 lanes SW 72nd Ave to US1
- MDT175 – E/W Corridor heavy rail SW 147th Ave to MIC
- SFRTA119 – MIC to Port of Miami commuter rail connection

Corridor Snapshot

- **Daily Person Trips 692,500 (9% of total trips)**
- **E+C V/C: 1.09**
- **Needs V/C: 0.84**



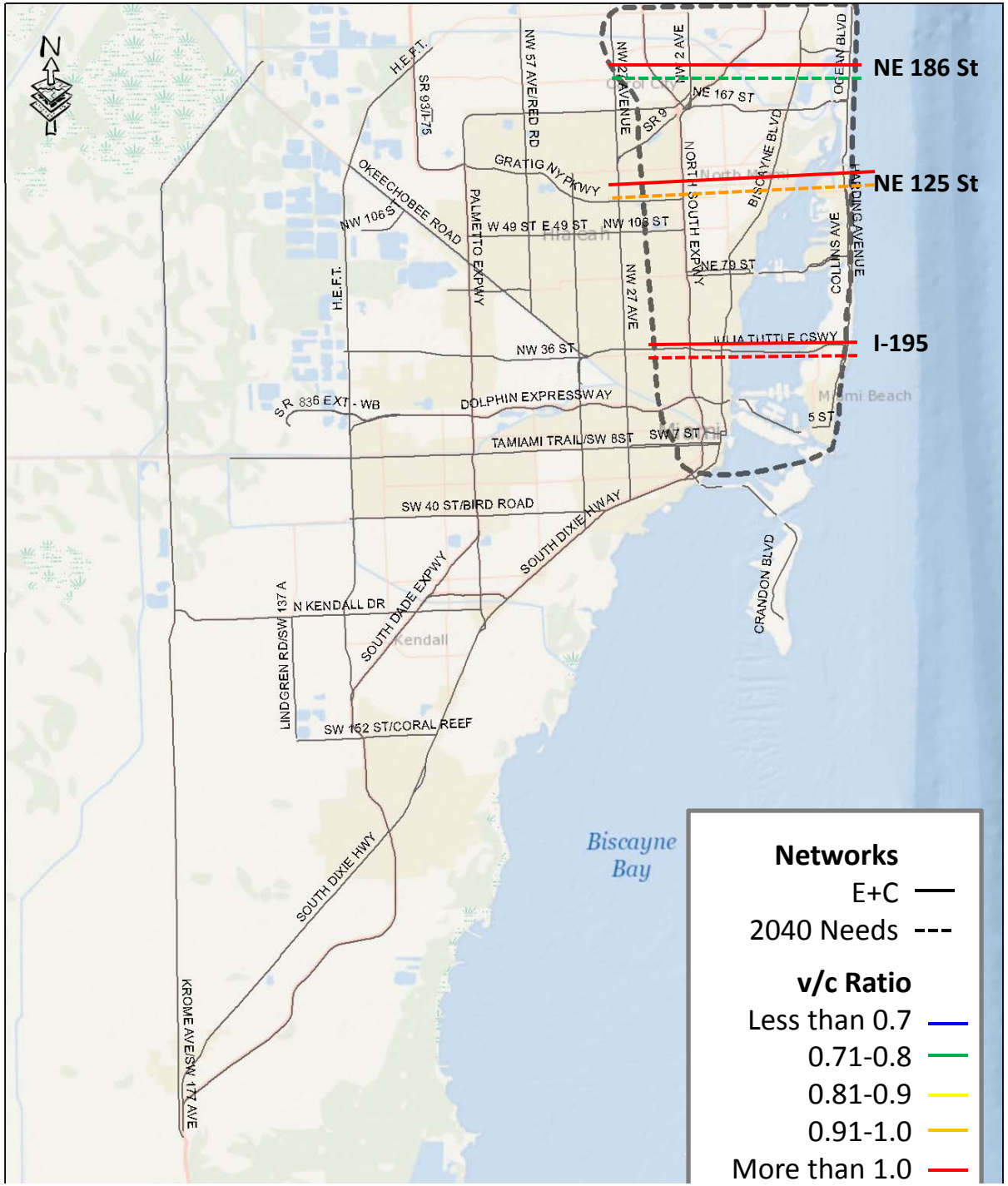
Corridor 3 | Northeast

2040 Needs Projects (some of)

- FDOT126 – SR9A/I-95 capacity imp. I-395 to Broward Co. line
- MDT174 – NW 27th Ave Metrorail extension MIC to NW 215th St
- SFRTA102 – Coastal Link rail transit Dntn Miami to Broward Co. line
- CoM101 – Miami Streetcar light rail Design District to Dntn Miami

Corridor Snapshot

- **Daily Person Trips 442,700 (6% of total trips)**
- **E+C V/C: 1.25**
- **Needs V/C: 0.95**



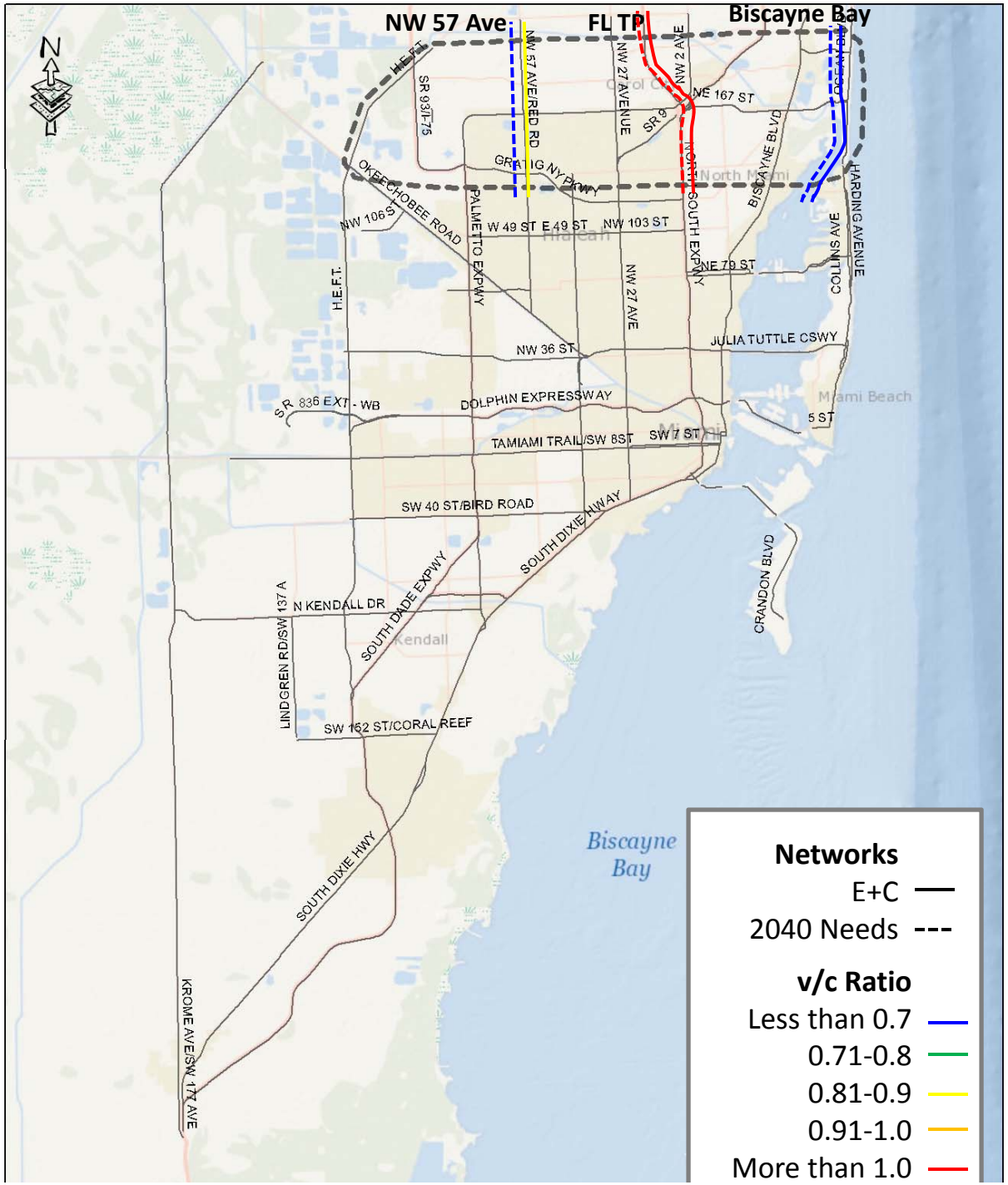
Corridor 4 | North County

2040 Needs Projects (some of)

- SIS121 – SR826 managed lanes NW 154th St to NW 17th Ave
- MDT225 – 183rd St BRT I-75 to Aventura
- MDT153 – I-75/Gratigny express bus County Line Rd to MDC
- FDOT126 – SR9A/I-95 capacity imp. I-395 to Broward Co. line
- PW114 - NW 215th/203rd elevated expwy TP to MacArthur Cswy

Corridor Snapshot

- **Daily Person Trips 519,700 (7% of total trips)**
- **E+C V/C: 0.95**
- **Needs V/C: 0.80**



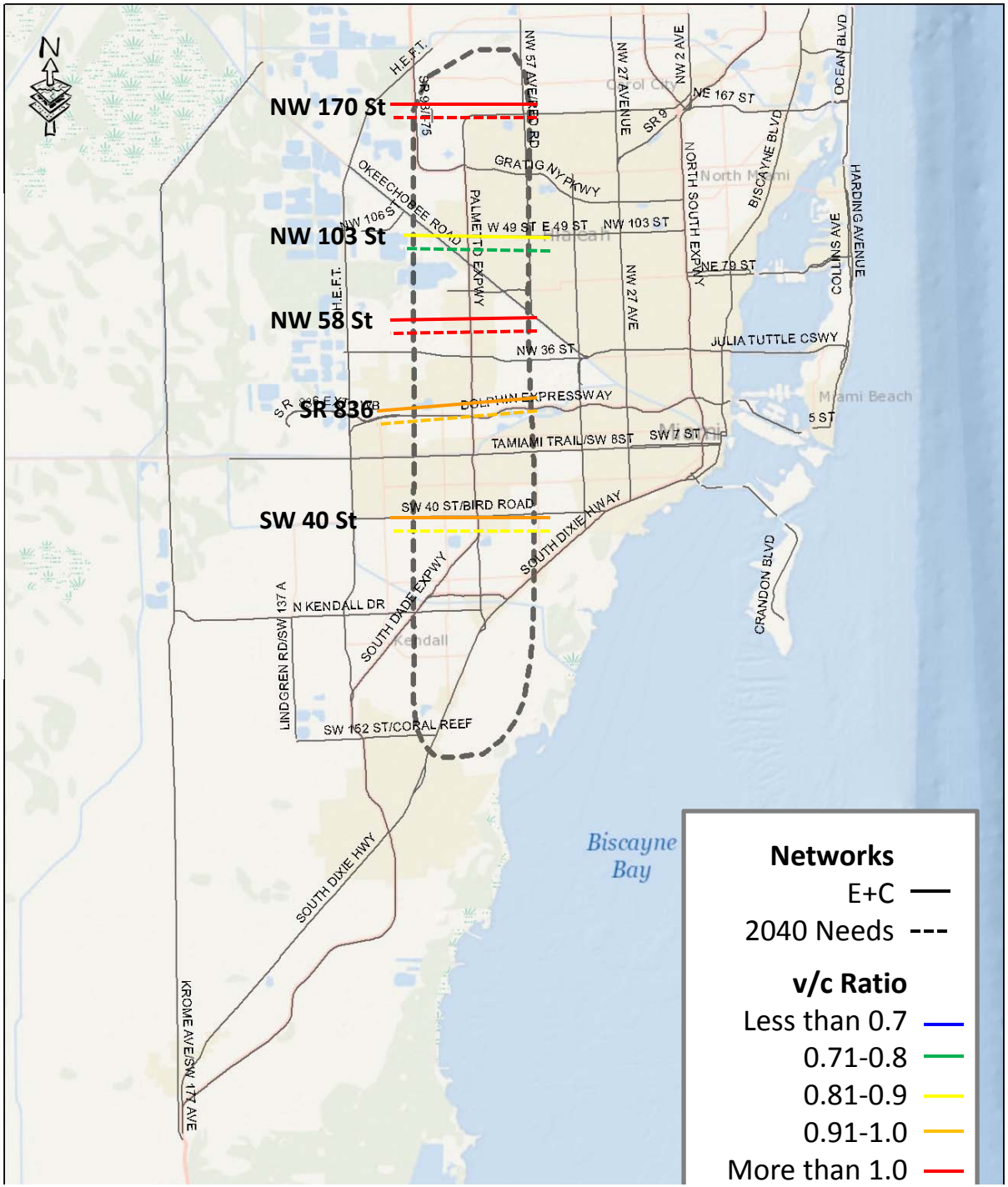
Corridor 5 | Northwest - Kendall

2040 Needs Projects (some of)

- MDT153 – I-75/Gratigny express bus County Line Rd to MDC
- MDX117 – US27 managed lanes SR826 to Krome Ave
- PW122 – NW 87th Ave extension NW 58th St to NW 95th St
- MDT232 – FEC BRT Kendall to MIC

Corridor Snapshot

- Daily Person Trips 501,100 (7% of total trips)
- E+C V/C: 1.05
- Needs V/C: 0.97



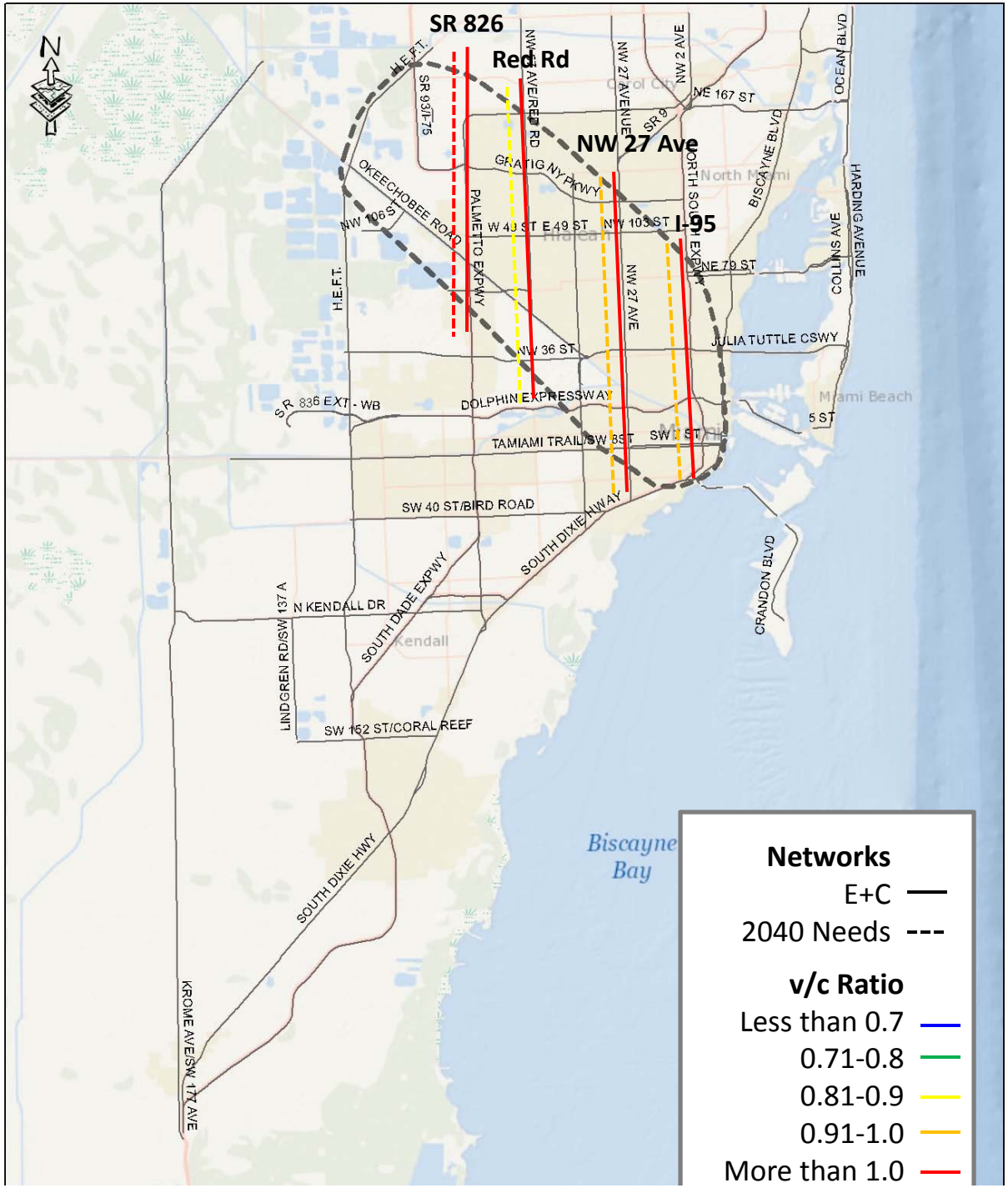
Corridor 6 | Northwest - Downtown

2040 Needs Projects (some of)

- MDX109 – SR924 west extension SR826 to HEFT
- MDX108 – SR924 east extension NW 32nd Ave to I-95
- SIS121 – SR826 managed lanes NW 154th St to NW 17th Ave
- SFRTA103 – FEC E/W connection South FL Rail to FEC mainline
- SFRTA119 – MIC to Port of Miami commuter rail connection

Corridor Snapshot

- **Daily Person Trips 883,900 (12% of total trips)**
- **E+C V/C: 1.16**
- **Needs V/C: 0.94**



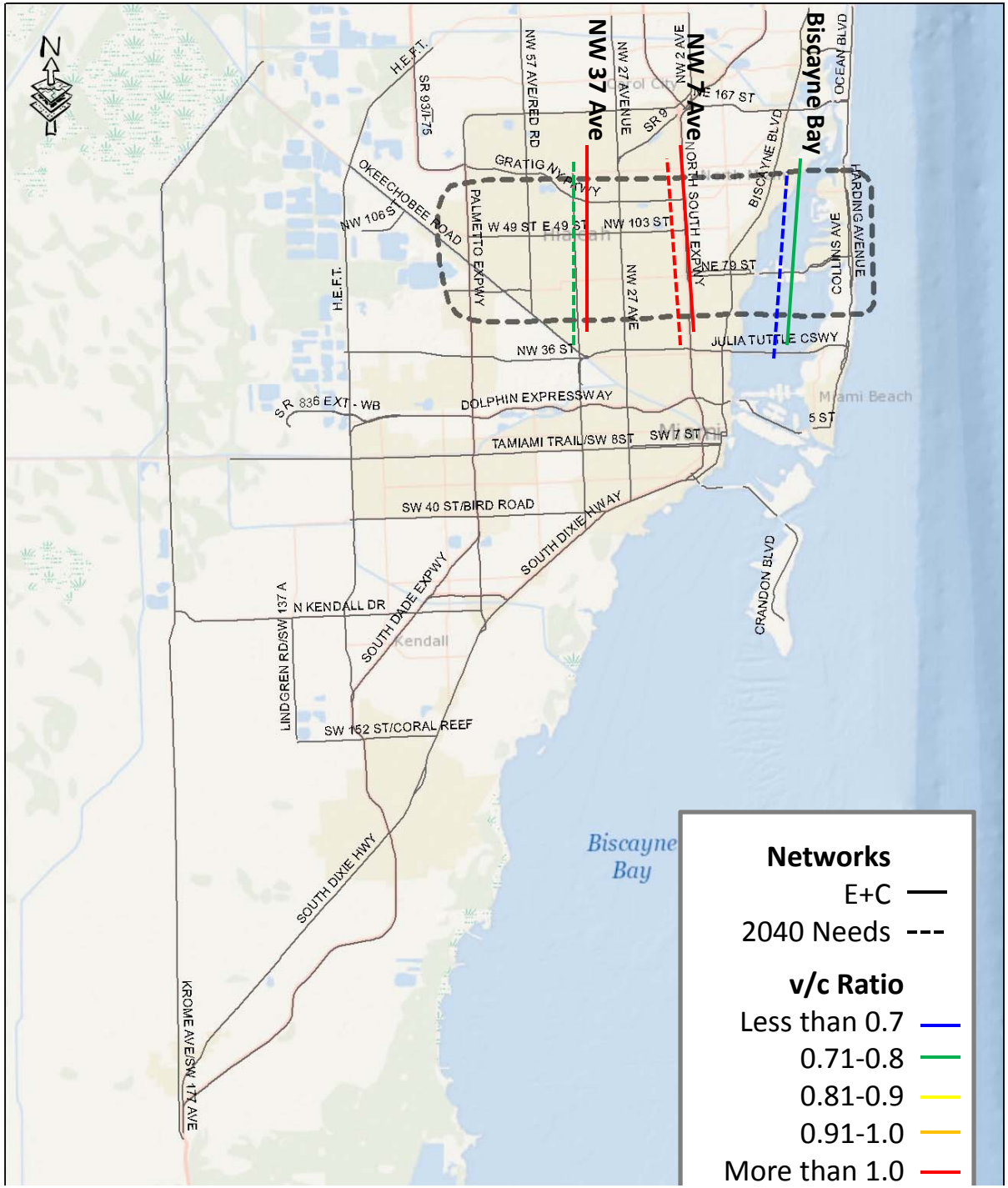
Corridor 7 | East Coast

2040 Needs Projects (some of)

- MDT200 – NW 62nd St BRT Okeechobee MR to Biscayne
- CoM105 – SR934 capacity imp. NW 13th Ave to Biscayne Bay
- MDT150 – 79th St Cswy BRT NE 10th Ave to Collins Ave
- MDX108 – SR924 east extension NW 32nd Ave to I-95

Corridor Snapshot

- **Daily Person Trips 76,600 (1% of total trips)**
- **E+C V/C: 1.16**
- **Needs V/C: 0.91**



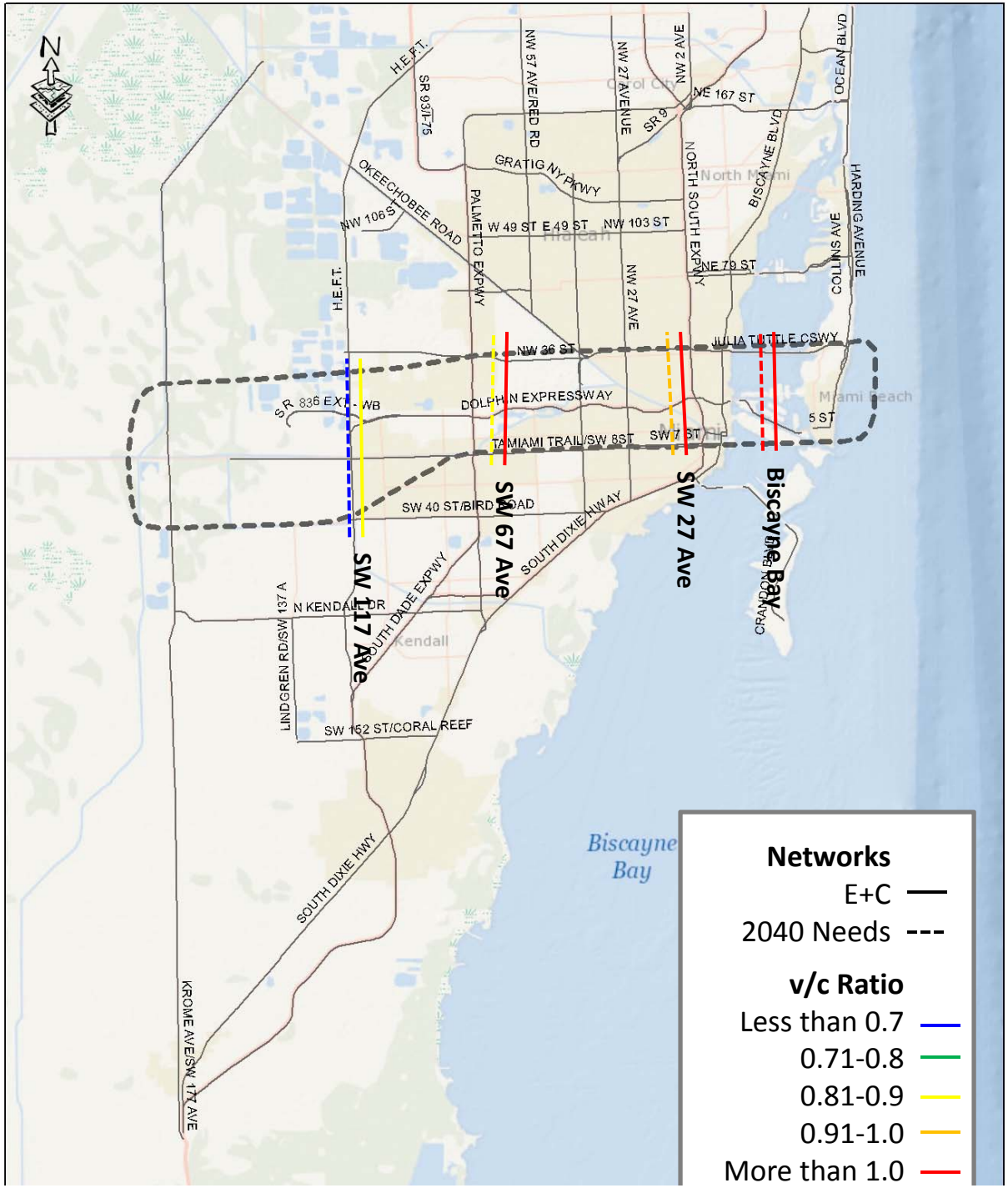
Corridor 8 | E-W Mid County

2040 Needs Projects (some of)

- MDT175 – E/W Corridor heavy rail transit SW 147th Ave to MIC
- MDX102/110 – SR836 managed lanes HEFT to I-95
- MDX101 – SR112 managed lanes I-95 to Lejeune Rd
- PoM104 – New Cargo Rd
- MDT135 – Beach Corridor light rail Dntn Miami to Miami Beach

Corridor Snapshot

- Daily Person Trips 571,000 (8% of total trips)
- E+C V/C: 1.13
- Needs V/C: 0.84



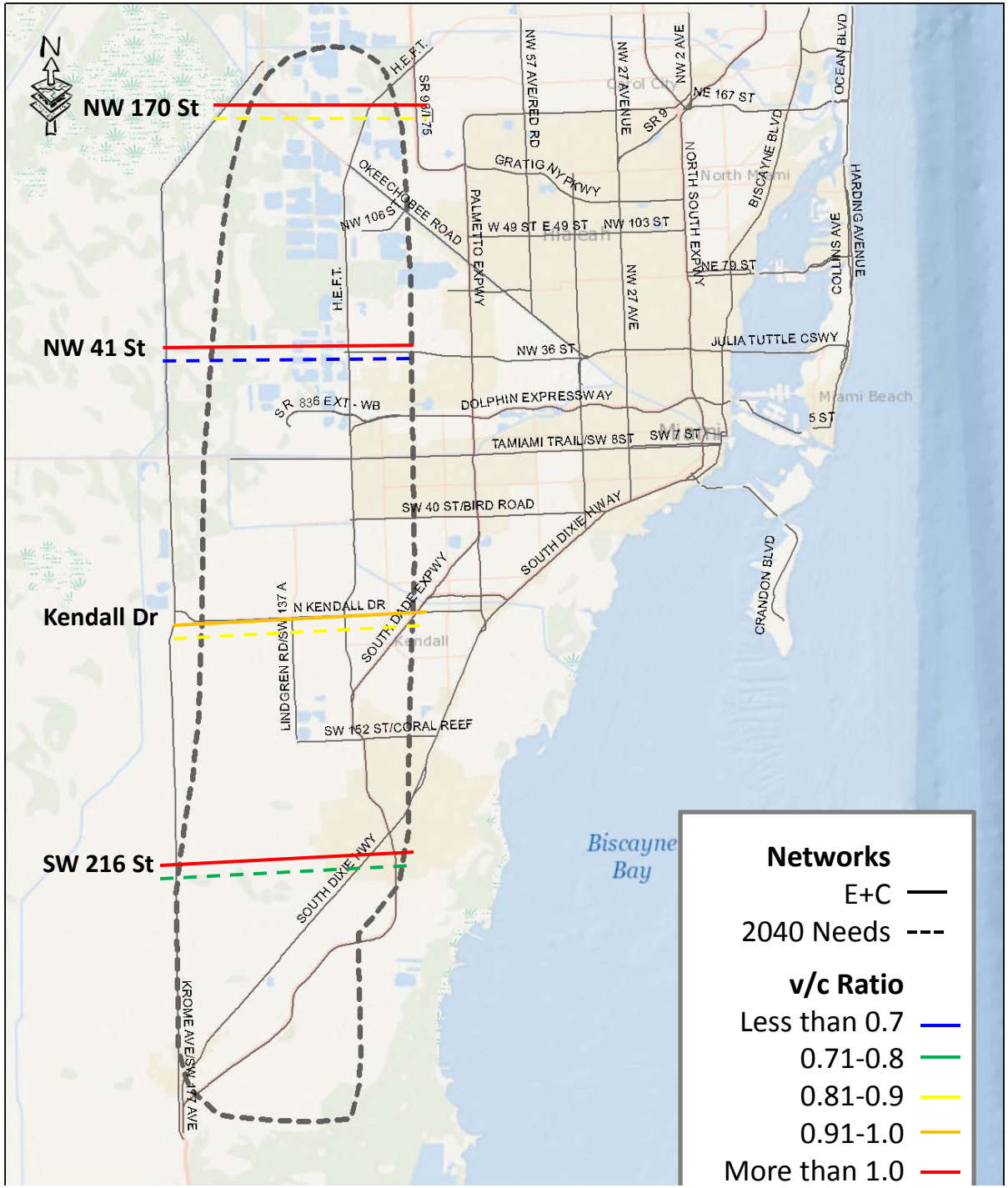
Corridor 9 | West County

2040 Needs Projects (some of)

- TP104 – HEFT widening/express lanes NW 106th St to I-75
- TP109 – HEFT widening NW 12th St to NW 74th St
- MDX105 – SR836 sw extension NW 137th Ave to SW 136th St
- MDX119 – US1 managed lanes SW 344th St to Dadeland South
- MDT161 – Metrorail extension SW 104th St to FL City

Corridor Snapshot

- Daily Person Trips 427,900 (6% of total trips)
- E+C V/C: 1.05
- Needs V/C: 0.79



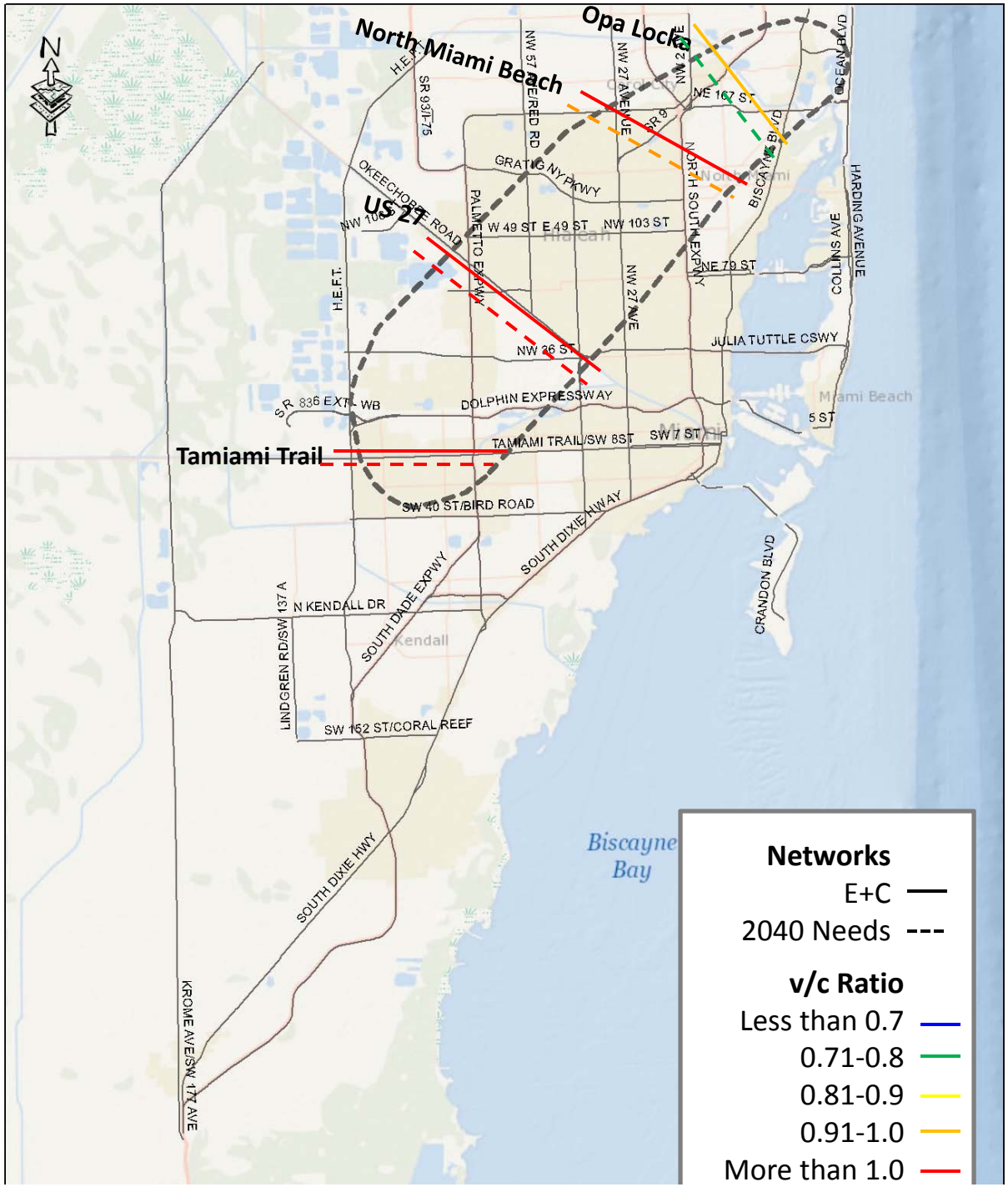
Corridor 10 | Northeast - Kendall

2040 Needs Projects (some of)

- MDX103 – Connect 4 Express Central to North M-D County
- SIS121 – SR826 managed lanes NW 154th St to NW 17th Ave
- FDOT126 – SR9A/I-95 capacity imp. I-395 to Broward Co. line
- MDT174 – NW 27th Ave Metrorail extension MIC to NW 215th St
- SFRTA102 – Coastal Link rail transit Dntn Miami to Broward Co. line

Corridor Snapshot

- **Daily Person Trips 406,600 (6% of total trips)**
- **E+C V/C: 1.18**
- **Needs V/C: 0.99**



Next Steps

- Needs Assessment Workshop
- Project Evaluation
- Project Costs
- Revenue Scenarios
- Public Meetings

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Questions / Comments

Carlos Roa
rcf@miamidade.gov
305.375.1833

Franco Saraceno
fsaraceno@gfnet.com
813.882.4366

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