



seven
counties

50
years

Modeling Seven50

Southeast Florida FSUTMS Users Group Meeting, FDOT D4 Auditorium
September 6, 2013
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It All Starts with a VISION



Driverless Cars - Nevada, California and Florida passed law to allow testing



Colonizing Space - SpaceX wants to build a colony for 80,000 people on Mars



'Hyperloop' Tube Transport – Very High Speed Transit - LA to NY in 21 min

Disclaimer!

SEVEN Counties – 50 Year Vision Plan



- Study funded by HUD Grant
- Regional partnership – SFRPC, FDOT, MPOs, Counties, etc.
- Comprehensive approach – multidisciplinary consultant team



Reality Check
First Coast

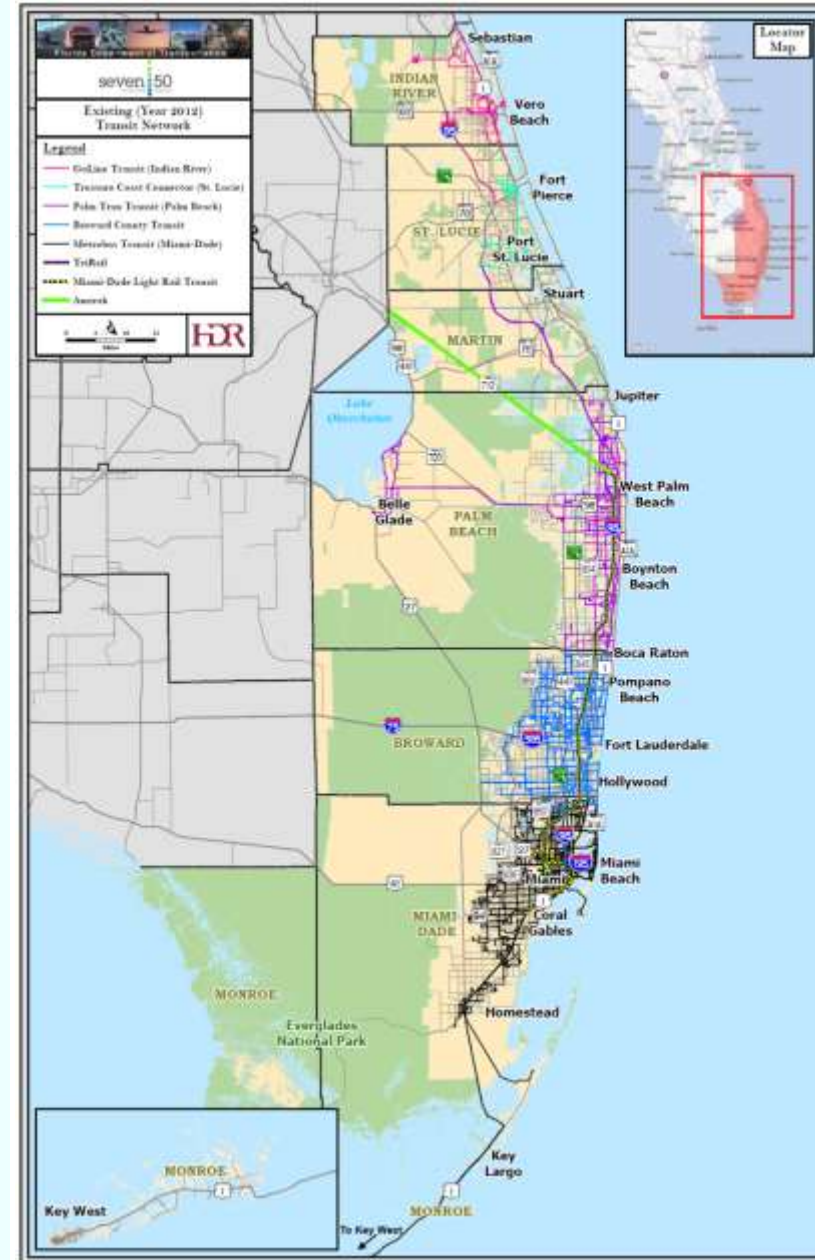


seven 50
counties years

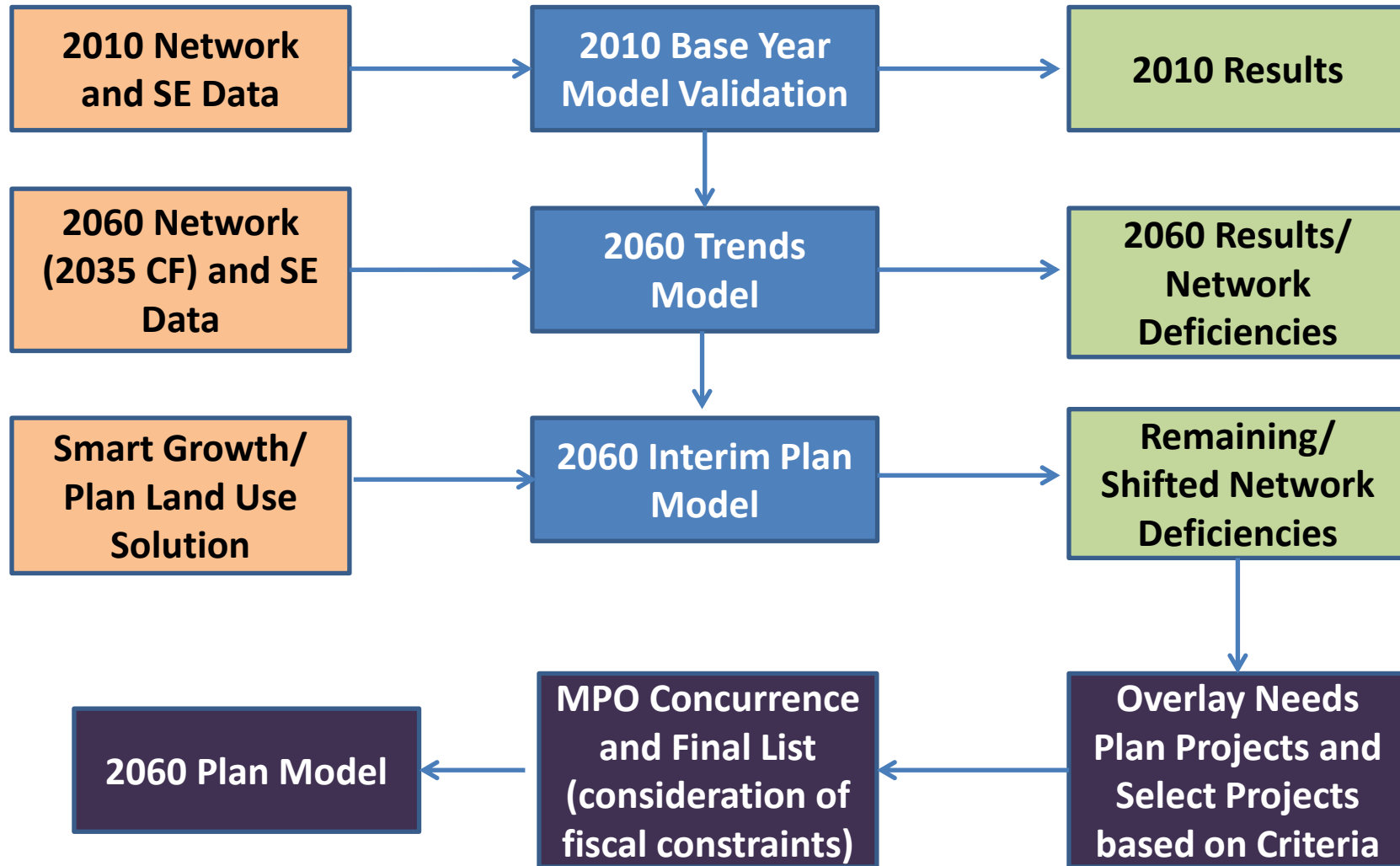
- Region hosts 33% population and 40% jobs of the State
- More population than 35 states
- World class tourist destination
- Global gateway to and from the US



Existing Transportation System



Modeling Process



Modeling Objectives and Challenges



Objectives

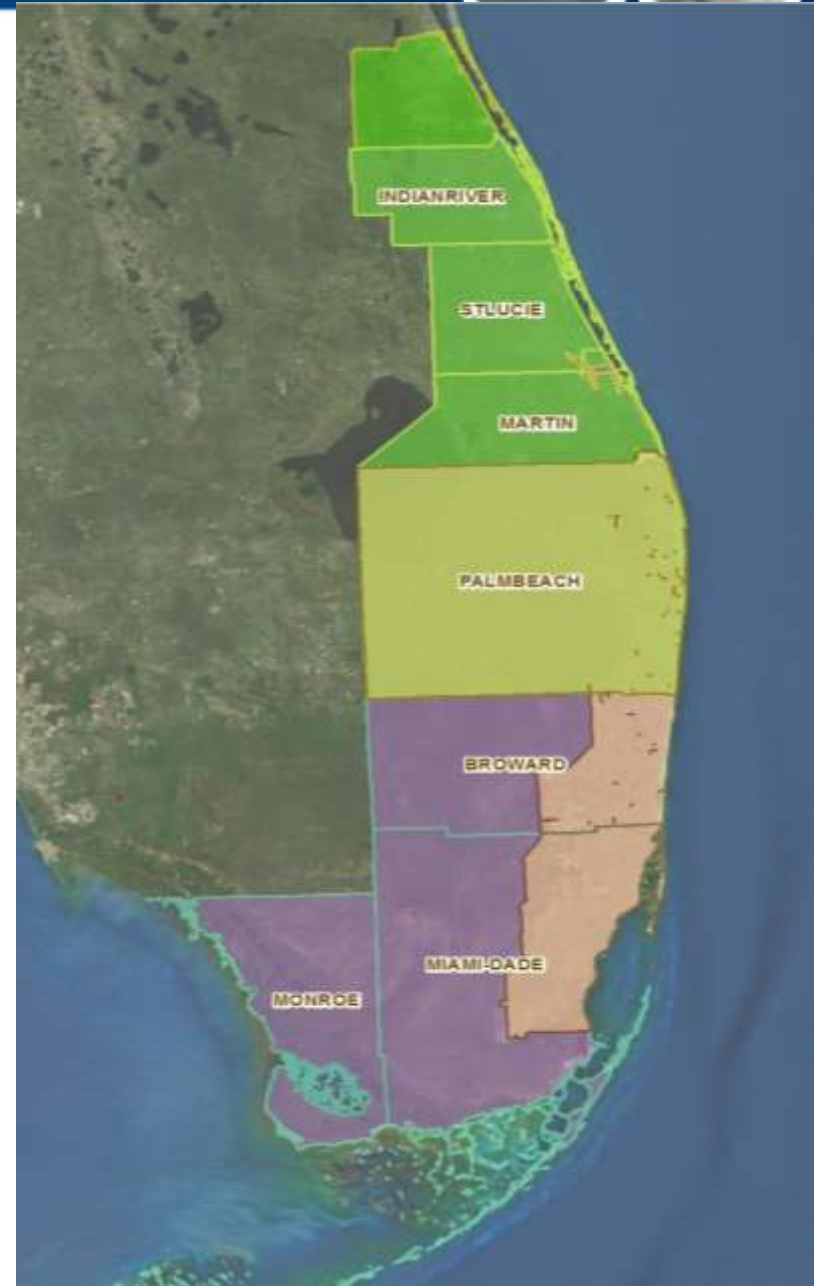
- Network performance (V/C, VMT, VHT, etc.)
- Mode shifts
- Develop the high-level regional solution

Challenges

- Model coverage – Monroe County added to SERPM
- Process limitations – added simplified transit module to GTCRPM, offline analysis
- Defining projects beyond 2035/ 2040 LRTP – consensus building
- Model procedures (concern with high volumes)
- Schedule – interagency coordination

Technical Guidance

- RTTAC



Today's Problems



1

Growing congestion

Longer commute times, lost productivity, increased pollution

2

Aging infrastructure

More maintenance needs, lost vitality

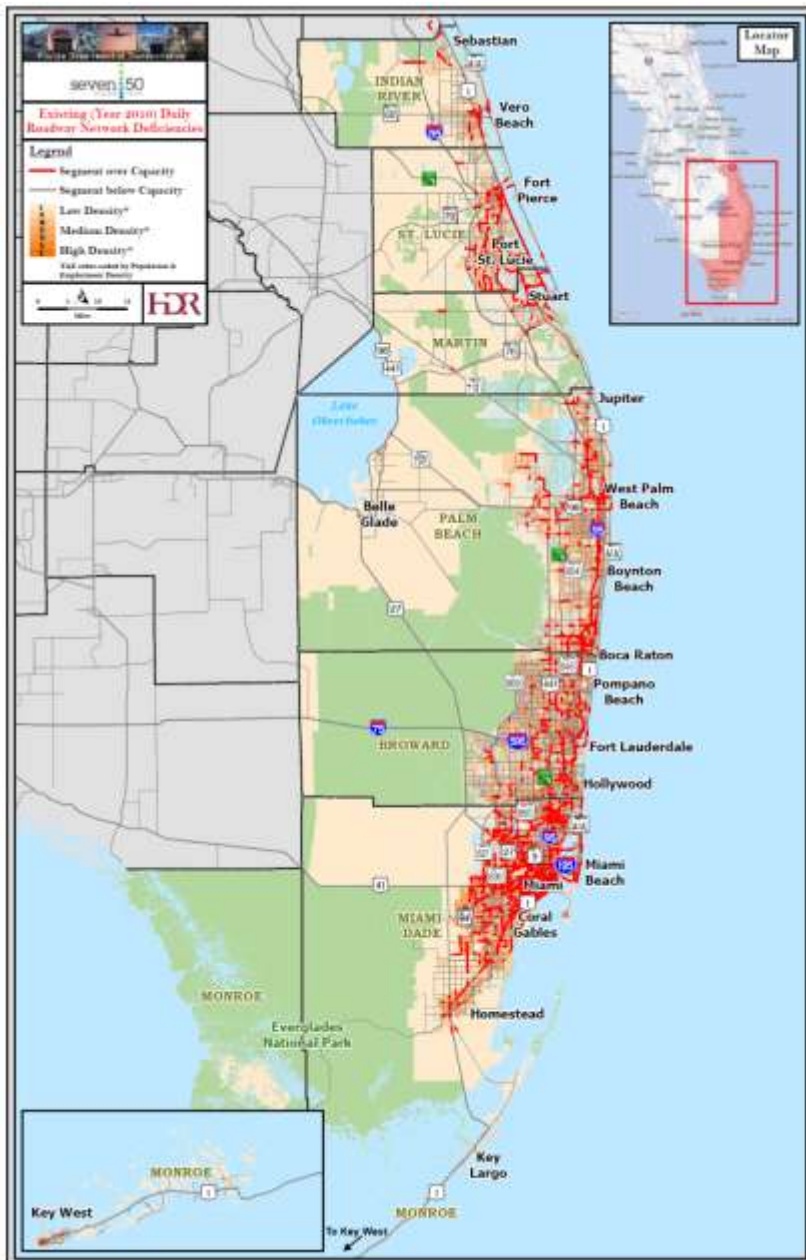
3

Limited funding

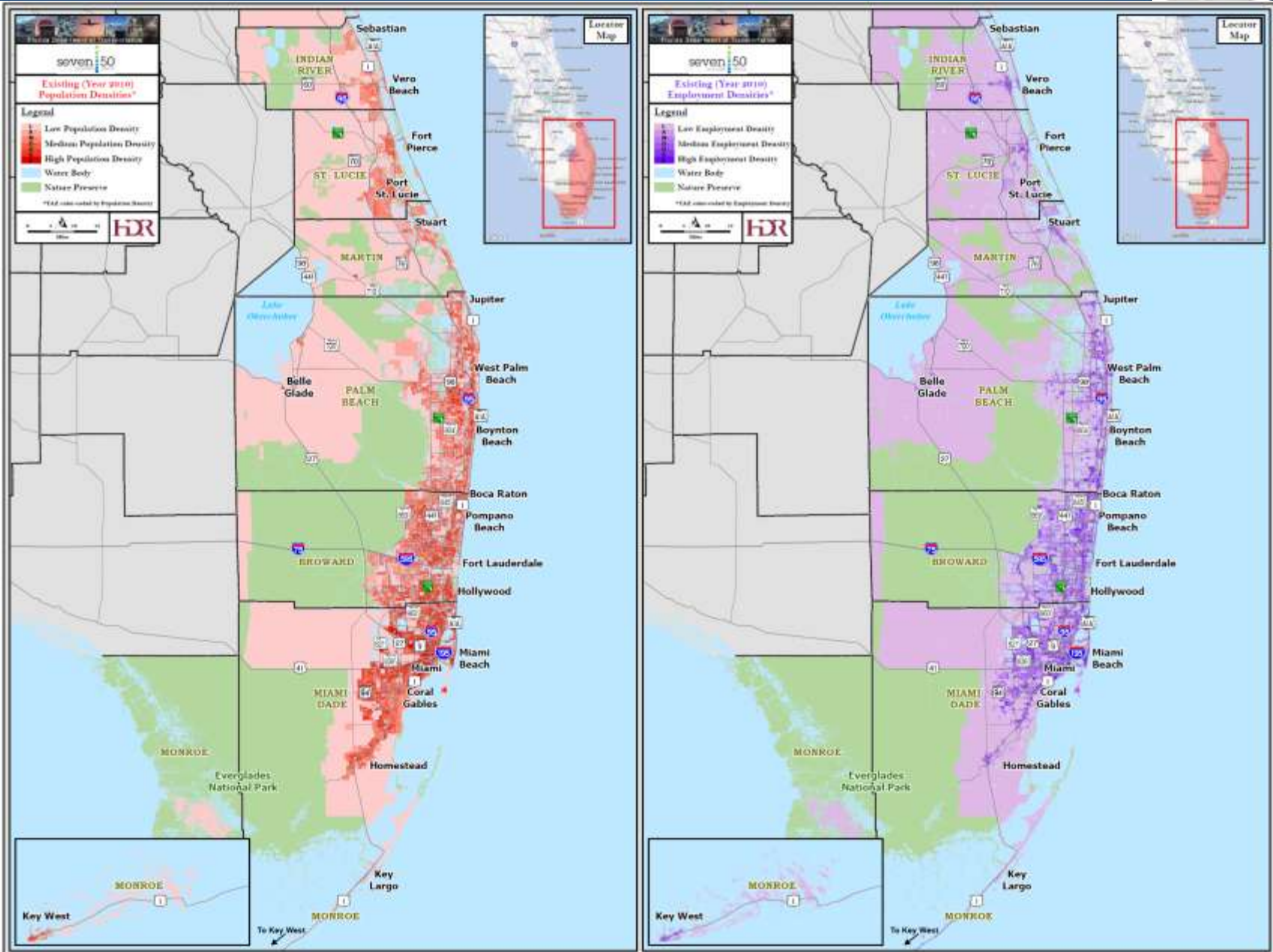
Do more with less, identify new funding sources

The problems are expected to get worse...

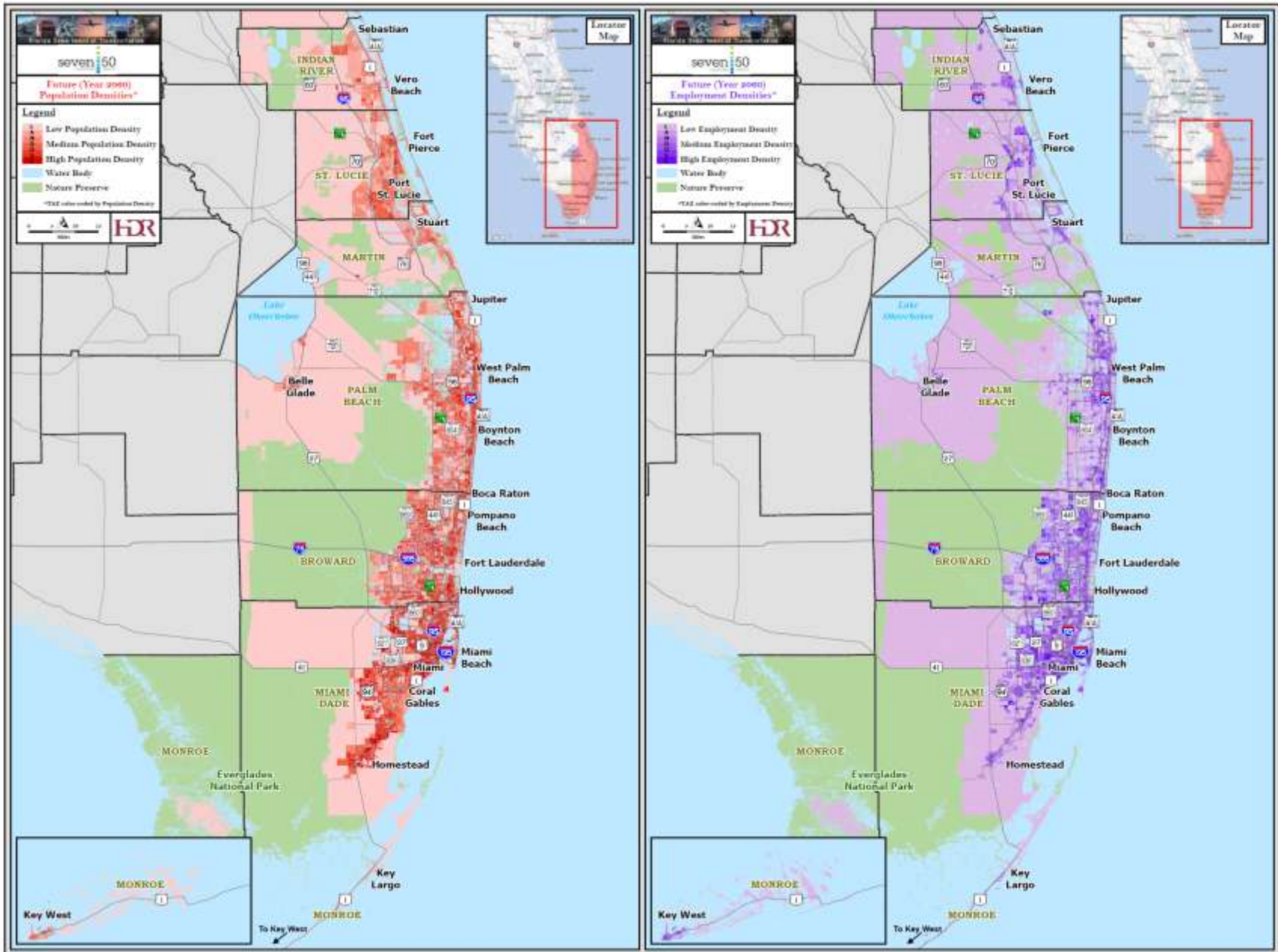
- Population is projected to grow from 6.2M in 2010 to 9.1M by the year 2060
- Employment is projected to grow from 2.9M in 2010 to 5.1M by the year 2060



2010 Pop. and Emp. Densities

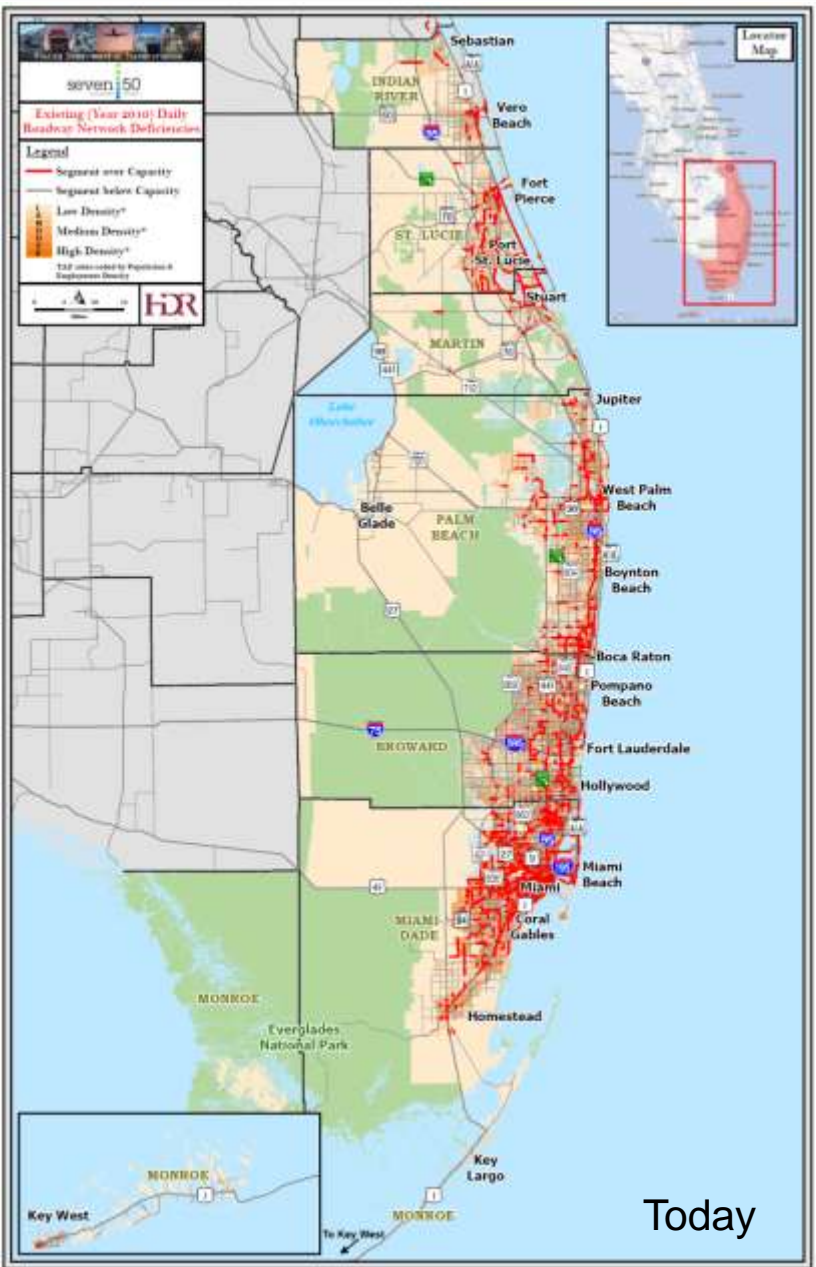


2060 Pop. and Emp. Densities

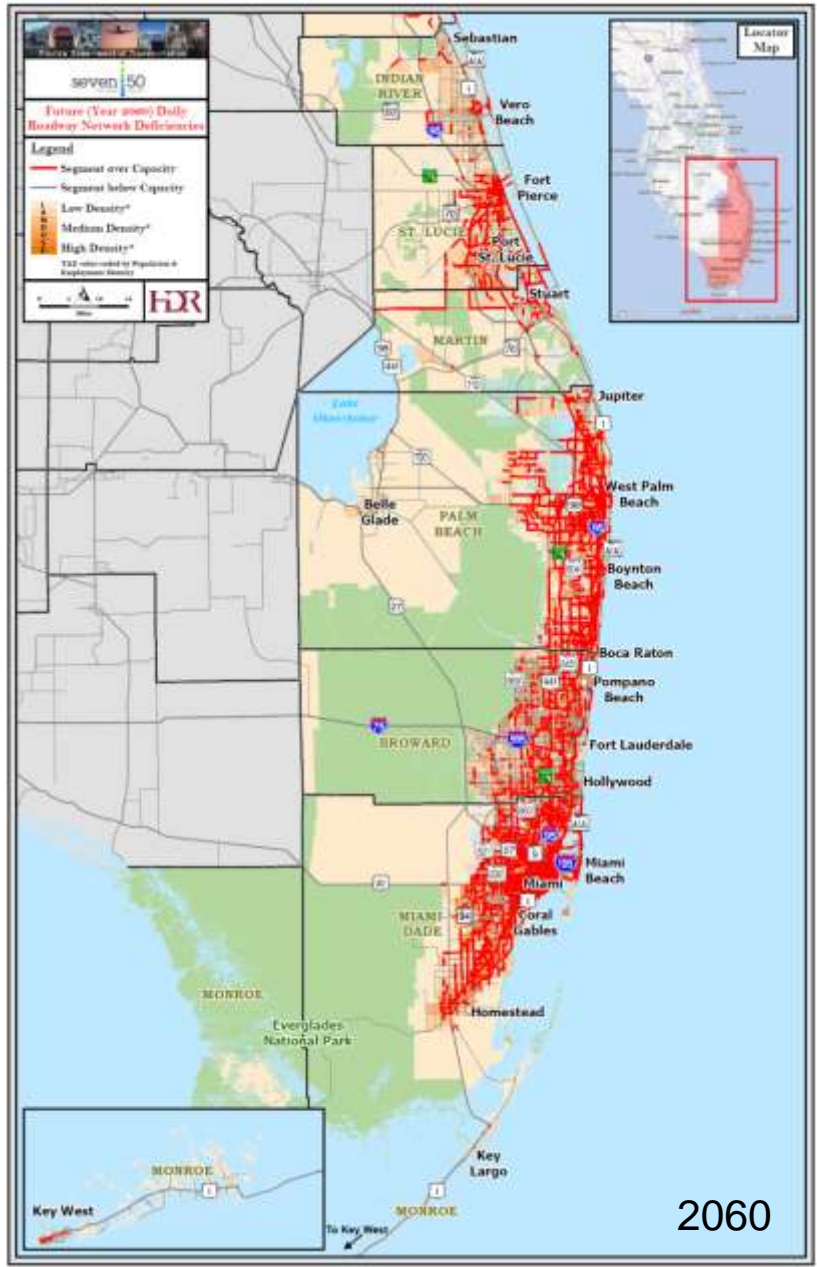


... if current trends continue

Anticipated Future Roadway Deficiencies



Today



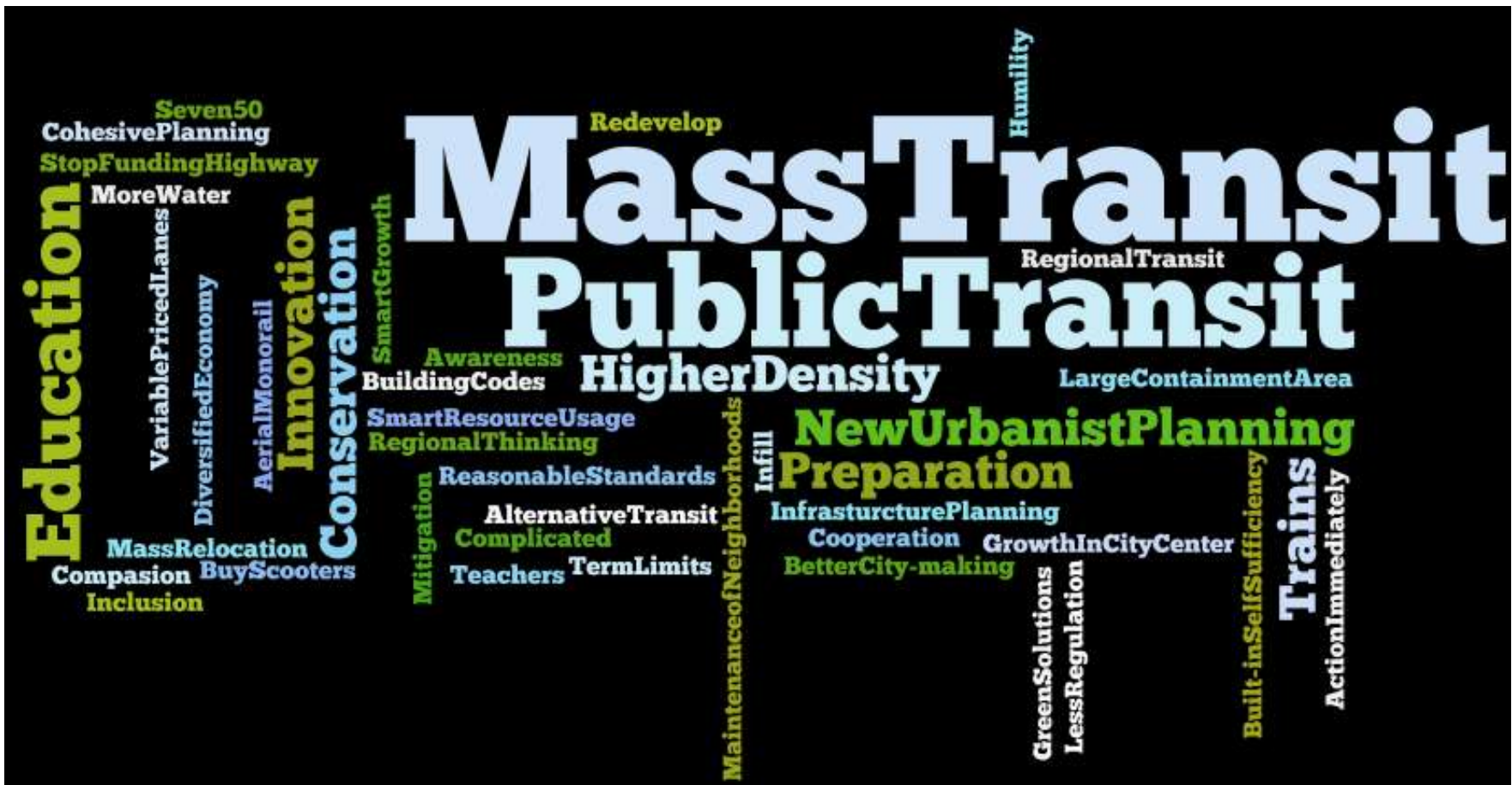
2060

... if current trends continue

Move Cars or People?



Scenario Planning



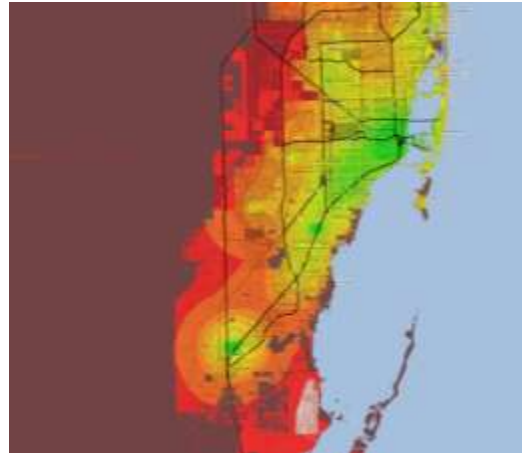
- Trend: Staying the Course
- Plan 1: Suburban Expansion
- Plan 2: Strategic Upgrades
- Plan 3: Region in Motion

How to give what people WANT

Change Agents – Examples



TOD – people expressed desire to live near transit

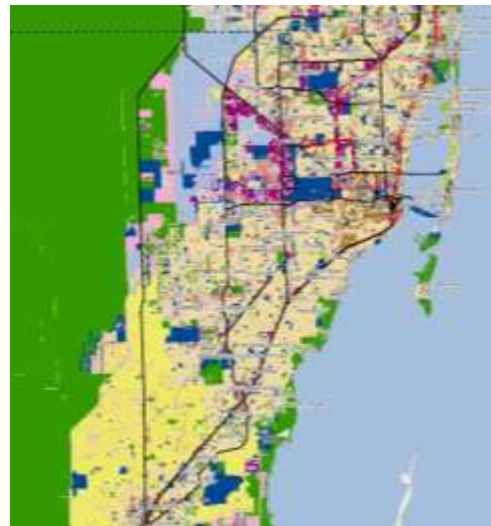


Walkability



Aging population

Land use – built out areas, potential loss of agricultural lands



Sea level rise –15% of Miami-Dade & 59% Monroe County inundated by 2' sea level rise

Online Scenario Builder



Seven50

Progress:



★ Compare Yourself



INTRODUCTION

Introduction Online Scenario Modeler

seven
counties



50
years



Slide 1 of 5

Welcome!

The Seven50 Online Modeler provides an opportunity to explore different scenarios for growth and development in the seven counties of Southeast Florida for the next fifty years and beyond. We encourage you to explore the various options and communicate your priorities to the Seven50 team. When you reach the final tab you'll be asked to select your preferred scenario.



BEGIN

2

PICK YOUR PRIORITIES

3

CHOICES

4

SCENARIOS

5

STAY ENGAGED

Working Towards a Sustainable Solution



- Project will be completed by December 2014
- Visit <http://seven50.org/> for more information

The screenshot shows the homepage of the seven50.org website. The header features the 'seven50' logo with the tagline 'SOLUTIONS 199-11'. Below the logo is a navigation bar with links: Overview, Partnership, Plan, Engage, Resources, Media, and Contact. The main content area is titled 'Seven50 Third Summit: The Future In Focus' and includes a map of the South Florida region. A sidebar on the right contains a 'REGISTER' section with a 'Join us, now!' button and a 'Join us, later' button. The footer mentions 'The South Florida Regional Partnership cordially invites you to the Third Seven50 Summit on June 19 to June 21' and includes a 'Sustainable Future' logo.