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

Think Big!!!
SEVEN Counties – 50 Year Vision Plan

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

- 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

- Port of Palm Beach
- Palm Beach International Airport
- Port of Miami
- Miami International Airport
- Miami Intermodal Center
- Miami Port
Modeling Process

2010 Network and SE Data → 2010 Base Year Model Validation → 2010 Results

2060 Network (2035 CF) and SE Data → 2060 Trends Model → 2060 Results/Network Deficiencies

Smart Growth/Plan Land Use Solution → 2060 Interim Plan Model → Remaining/Shifted Network Deficiencies

2060 Plan Model → MPO Concurrence and Final List (consideration of fiscal constraints) → Overlay Needs Plan Projects and Select Projects based on Criteria

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
- 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

Anticipated Future Roadway Deficiencies

... if current trends continue
Move Cars or People?

Scenario Planning

• Trend: Business as Usual
• Plan 1: Exurban Expansion
• Plan 2: Strategic Interventions
• Plan 3: Next Gen Region

How to give what people WANT
Change Agents - Examples

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

TOD – people expressed desire to live near transit

Walkability

Aging population

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

Working Towards a Sustainable Solution

Project will be completed by December 2014
Upcoming Third Seven50 Summit
June 19 through June 21
Palm Beach Convention Center
Register at http://seven50.org/