Indian River County
Long Range Transportation Plan

A Public Workshop to Explore Future Land Uses and How They Will Affect the 2035 Long Range Plan

March 14, 2009
Treasure Coast Regional Planning Council

A Multi-Agency Process...

... that includes the Community!
The joy and pain of urban existence, the comfort or hardship of it, its efficiency or failure are influenced by the wisdom or the thoughtfulness with which streets are platted.

Charles Mulford Robinson, 1911
Regionalism is Important to Indian River County

- Transit
  (FEC/Tri-Rail/Amtrak)
- St Lucie and Martin Counties
  (Coordinated LRTP’s)
- The “Research Coast”
  (Orlando = Burnham Inst.,
   St Lucie = Torrey Pines,
   Palm Beach = Scripps and
   Max Planck)
- Federal Funding
  EPA, EDA, FHWA

Behave Like a Region, and You Will Be Rewarded as a Region

The Long Range Transportation Plan (LRTP)

- MPO Guide for Roadway Expenditures
- Sets Roadway Improvement Priorities
- Update Required Every 5 Years
- Opportunity to Adjust Future Growth Patterns
- We are at the Very Beginning of the 2035 Process

Future Land Use Patterns (How We Grow) Are Directly Related to How Much the County Will Spend on its Transportation Systems
Indian River County 2030 LRTP

Extension of Existing Trends Plan

Village Plan

Developed in 2004-2005 during the visioning process for the 2030 LRTP

Alternative Plans

Indian River County 2030 LRTP

Consensus Plan to “Drive” Road Improvement Priorities

Preferred Land Use Plan
Indian River County 2030 LRTP

Highlights Include:

• 66th Avenue to 4-lane divided
• 512 to 6-lane divided
• 82nd to 2-lane undivided (paved)
• Oslo to 4-lane divided (58th to I-95)
• Interchange at Oslo and I-95

2030 Adopted C/A Plan
(MPO Road Work Program)

Indian River County 2030 LRTP

2030 LRTP Vision Statement:

“To maintain and promote the ‘Small Town Character’ of Indian River County as a low density, low rise and ‘green’ county, while providing for a variety of housing and transportation choices”

So, How Is It Going?
Our Goal Today

Discuss and Consider…

Current and Future Land Use Patterns
Any Necessary “Corrections” in Land Use
What is/is not Working?
Has the Vision Changed?
Is the Vision Being Implemented?

Land Use and Connectivity

Trip Assignments in Two Patterns of Development

"Newer" Convention

"Older" Convention

Limited Network

Dense Network
A Little Test: The Power of Connected Streets

Beaufort, SC

The Power of Connected Streets

Beaufort, S.C.

12,870 Routes
A Cross-Section Through Recent Planning History

More Than 6 Times the Distance with 1/5th of the Connectivity

The Less Connected, The Bigger The Streets.
The More Connected, the Smaller the Streets.
This is 58th Avenue North of Olso Road
(how do you want to continue to grow?)

Community Character

Beautiful Neighborhood Streets

Rural Areas

Amazing Waterfront

Authentic Character
**Community Character**

The Increment of Connectivity Exponentially Impacts Community Character…
For Better or Worse

A Study by the American Society of Engineers (ASCE) Points Out a Few Things:

“More Connectal Street Networks Tend to Reduce Speed”

“Even a Small Reduction in Speed reduces … the Severity of Accidents”

“Street Networks Containing Many Cul-de-Sacs Increases Travel Demand on Arterial Roadways by 75% and on Collector (more-local) Roads by 80%”

“Speed Kills”
**Existing Developed Lands (acres)**

- Existing Residential: 72%
- Existing Commercial: 11%
- Existing Agricultural: 17%

**Undeveloped (Future) Land Uses (acres)**

- Undeveloped Residential: 51%
- Undeveloped Agricultural: 47%

**Indian River County: Development Status by Traffic Analysis Zone (October 2008)**

Source: Indian River County – Development Status by Traffic Analysis Zone (October 2008)
**Indian River County:**
Projected Total Land Uses (acres)
(Existing plus Undeveloped)

**Areas for Growth**

- **Existing Residential:** 54%
- **Existing Agricultural:** 43%
- **Commercial:** 3%

**Source:** Indian River County – Development Status by Traffic Analysis Zone (October 2008)

**Indian River County:**
Population Trend

**Areas for Growth**

- BEBR estimates (moderate)
- Population growth from 1950 to 2030
**Indian River County**
Projected Population vs. Projected Residential Capacity

SOURCES: BEBR (Feb 2009); IRC - Development Status by Traffic Analysis Zone (Oct 2008)
NOTE: Assumes 2.1 people/household per Comprehensive Plan

Areas for Growth
Areas for Growth

Does There Need To Be More Balance in the FLUM? What Factor Does the Urban Service Boundary Play?

Jobs/Housing Balance

FLU Map

2030 LRIP Vision Statement:
“To maintain and promote the ‘Small Town Character’ of Indian River County as a low density, low rise and ‘green’ county, while providing for a variety of housing and transportation choices”

Workplace (In-Town Jobs)

What’s Missing?
Jobs/Housing Balance

Are there opportunities for appropriate workplace/non-residential uses within Residential Areas?

The Citrus Industry
1999 = 43 Packing Houses in Region
Today = 21 Packing Houses
35% Reduction in Grove Acres
Industry Moving West of I-95 (aerial spraying)

Reinventing the Local Economy
Jobs/Housing Balance

Should we strive for a better balance?
Should we provide more opportunities for in-town employment?

Type and Location of New Workplace

VMT/Trip Capture/Energy/“Green”
Helps Road Network Saves on Infrastructure

Detailing of the Roadways

Landscaping Buildings
Lighting Parking Wide Sidewalks

Bus Stops
Individual lanes on two-lane streets are most efficient; therefore, two 2-lane streets have more total capacity than one 4-lane street.
Traffic Components

Engage Military 2 Times in 2 Directions
Make 2 U-Turns
Travel Nearly 1.25 Miles
To Go 150 Yards

A “Local” Trip

The Forgotten Modes of Mobility
Why Should I Care about Transit?
Transit Likes Density

But it doesn’t have to be TOO much
(psst, And it can Look Great!)
15 to 20 Units to the Acre

A Paradigm Shift
Indian River County 2035 LRTP

- It Starts TODAY
- Your Input Counts
- The Result Will Be:

An Updated MPO Roadway Plan That:
1. Recognizes Change
2. Locates Future Residents and Workplace in The Right Areas
3. Plans for Future Transportation Infrastructure That Enhances the Quality of Life in Indian River County
What to Expect Today…

Controlled Chaos

The Public Process: Planning for the Future
8:30 am – 1:00 pm
The Citizens’ Ideas

Kids have some of the best ideas
Charrette Rules

• Sign Your Name
• No Speeches
• Argue With Your Pencils
• No Idea is a Bad Idea
• Assign a Presenter
• Do Not Think About Money (just for today!)
• HAVE FUN!!!

SO....
Let’s GO!!!