Planning for Immobility

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Population Rank vs. Congestion Rank for Largest U.S. Metro Areas

From Forbes.com
Population Forecasts for the State of Texas
Population Density 2005
Population Density 2035

+ 3.5 Million
For Houston 2035 to equal where Chicago is today, we would need to:

- Increase road network by 13%
- Increase transit share to 16%
This would result in our congestion worsening by “only” 41%
TxDOT Construction Funding: Past vs. Future

- **2035 RTP = $11.7 B**
- **SHORTFALL = $7.3 B**
- **Average of 2001-10 Lettings = $653 M**
- **2010-20 UTP = $4.4 B**

- **Actual Lettings**
- **ARRA Fundings**
- **Estimated Lettings**
Additional Costs

• **System Users**
  – Gas
  – Tolls
  – Time

• **Environment**
  – Pollution
  – Loss of natural areas

• **Quality of Life**
  – Public health
  – Livability
Is this still the right path?
Centers, Connectivity, Context Sensitive Solutions
Livable Centers
more choices, great places

designed to be walkable

connected & accessible

compact & mixed use
Another path…
Greater East End Management District
City of Waller
City of Tomball
Midtown
Connectivity
Source: Duany Plater-Zyberk
Activity/Roadway Density
Redevelopment: Site
Redevelopment: District
Connectivity Tool
Through-Street Spacing Needs: Montrose/Hyde Park Areas of Houston, TX

- **2000 Gross Density**
- **Potential Gross Density With 8,000 More Net Units**

**Axes:**
- **Gross Residential Density (DU/Acre)**
- **Through-Street Spacing (Miles)**
- **Through-Street Spacing (Feet)**

**Key Points:**
- **Actual Avg. Spacing (0.3 mi.)**
- **2000 Need (0.185 mi.)**
- **Potential Future Need (0.138 mi.)**

**Legend:**
- **Two way streets**
- **One way streets**
Context is Everything
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Source: Dan Burden, Walkable Communities, Inc.
Putting it All Together:
Subregional Planning
First SPI Plan: East Port Area