

Livable Centers: a Strategy for Sustainable Mobility

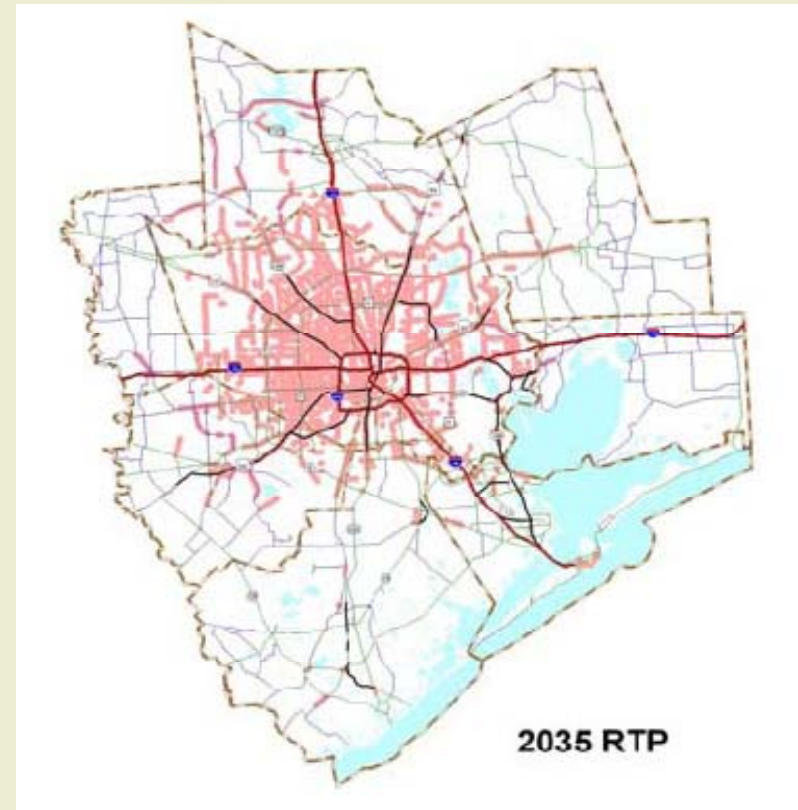
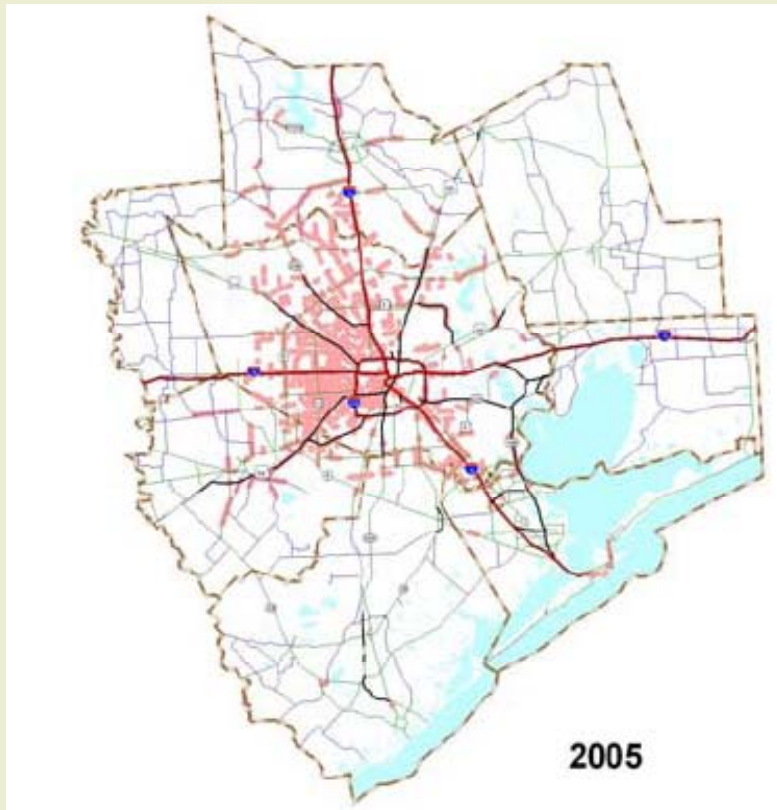


**Regional Air Quality Planning Committee
May 29, 2008**

Sustainable Mobility?



Sustainable Mobility?



\$157 billion investment in 2035 RTP

Sustainable Mobility?

- High Gas Prices
- Environmental Impacts
 - Air quality
 - Carbon emissions
 - Stormwater runoff
- Funding Shortfalls
 - State
 - Federal



Bridging 2035 OUR COMMUNITIES

Improved access

Coordinated planning



More transit



Healthier environment

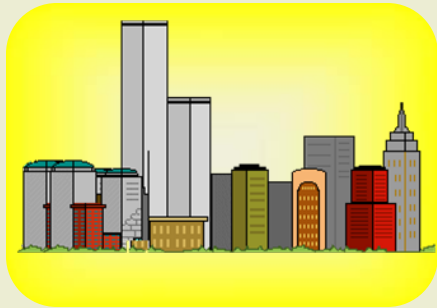
Paradigm Shift

- Reduced Congestion
- Reduced Vehicle Miles Traveled (VMT)
- Reduced Single-Occupant Vehicle (SOV) Trips

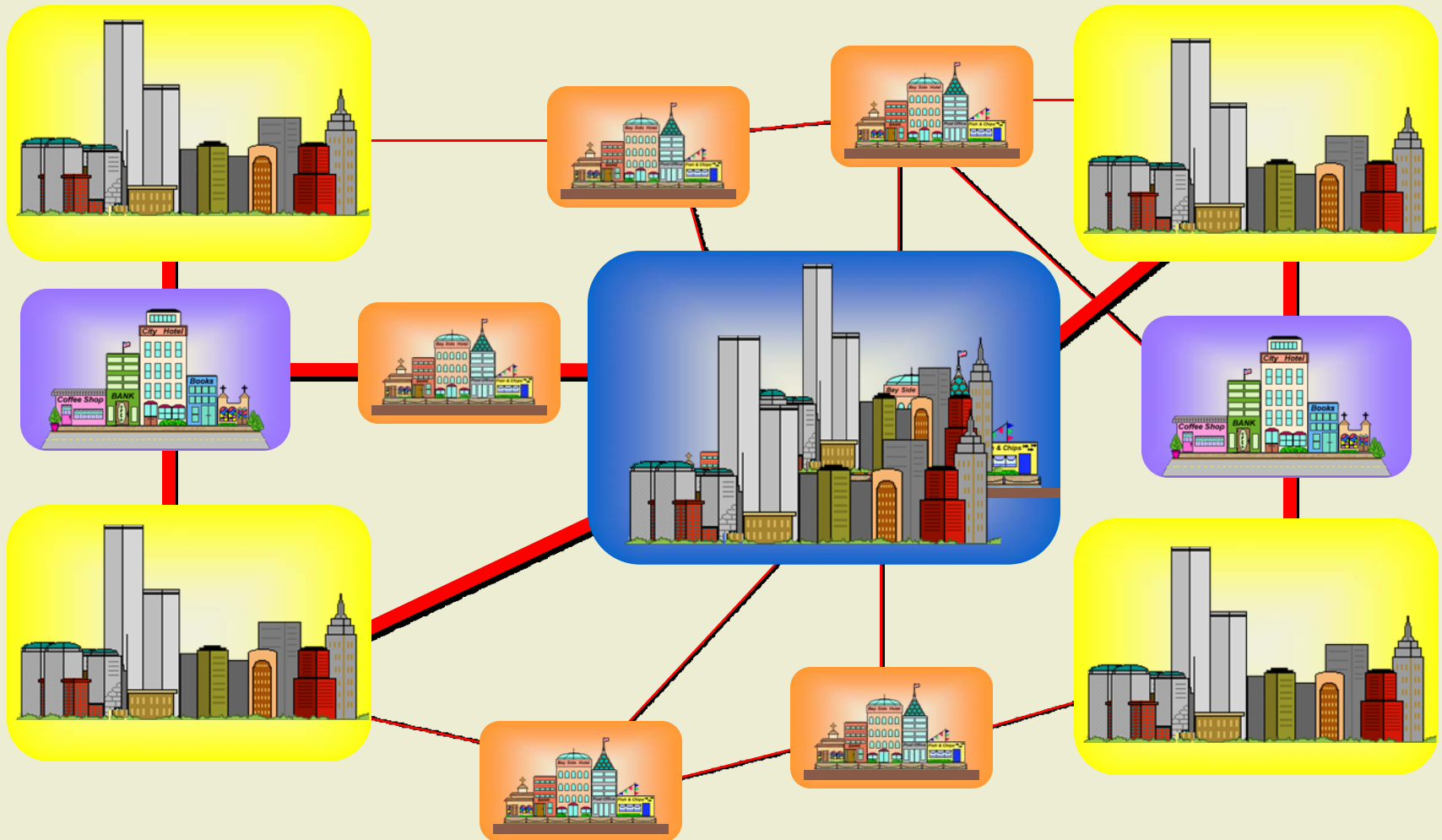
Centers and Connections

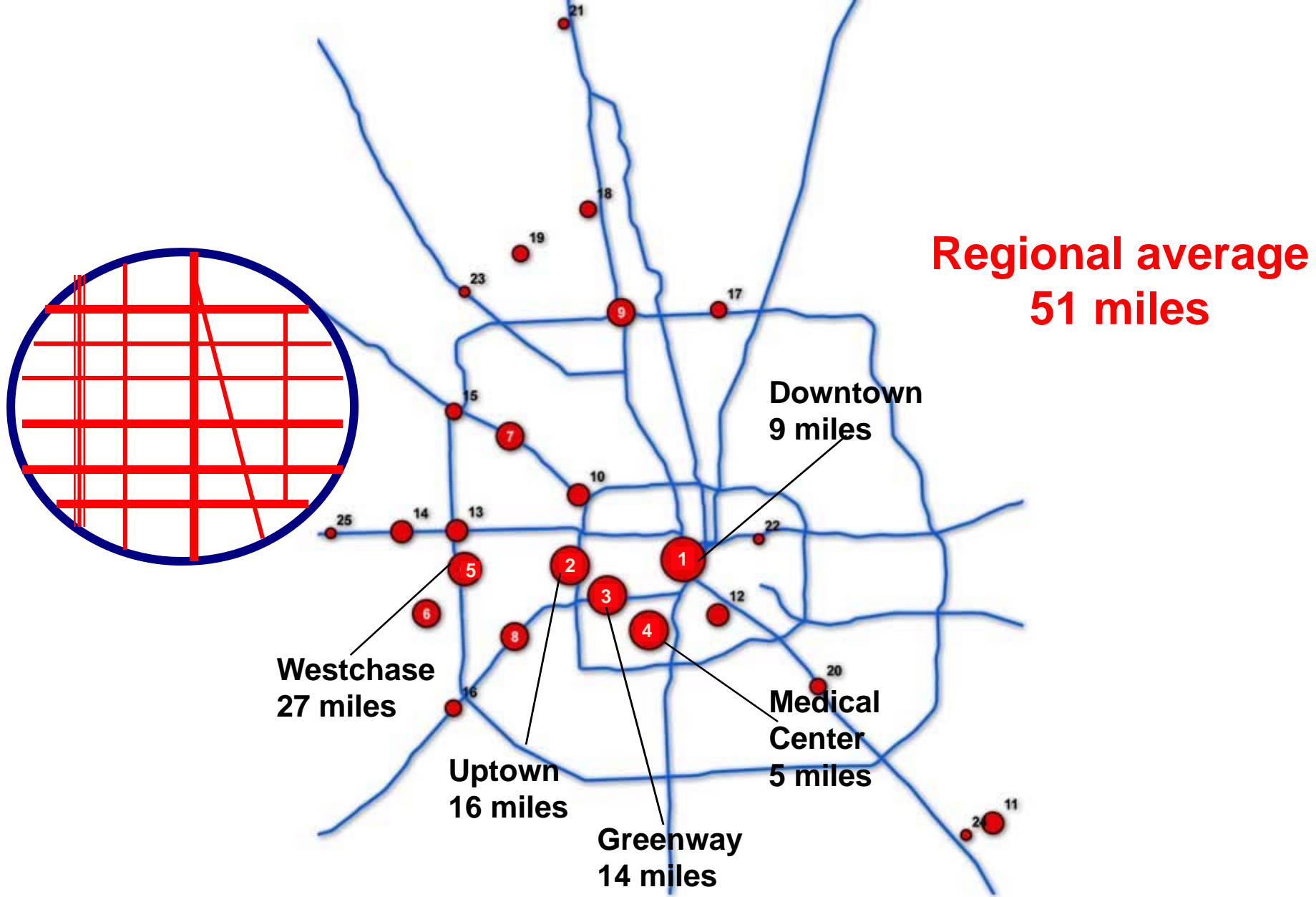


Centers and Connections



Centers and Connections





Daily Vehicle Miles Traveled per Employee

Centers and Transit



Downtown: 36% work trips via transit



TMC: 8% work trips via transit

Types of Centers

Pop + jobs range:
3,000 – 10,000

82

Neighborhood
Center



Museum District

10,000 – 50,000

23

Town Center



Galveston

50,000 – 100,000

3

Regional Center



Uptown

100,000+

1

Urban Core



Downtown

Measuring Impacts

SOV Trip Reduction:

10%

10% =

250 Neighborhood Centers

OR

85 Town Centers

OR

18 Regional Centers

OR

10 Urban Cores

10% =

50 Neighborhood Centers

AND

25 Town Centers

AND

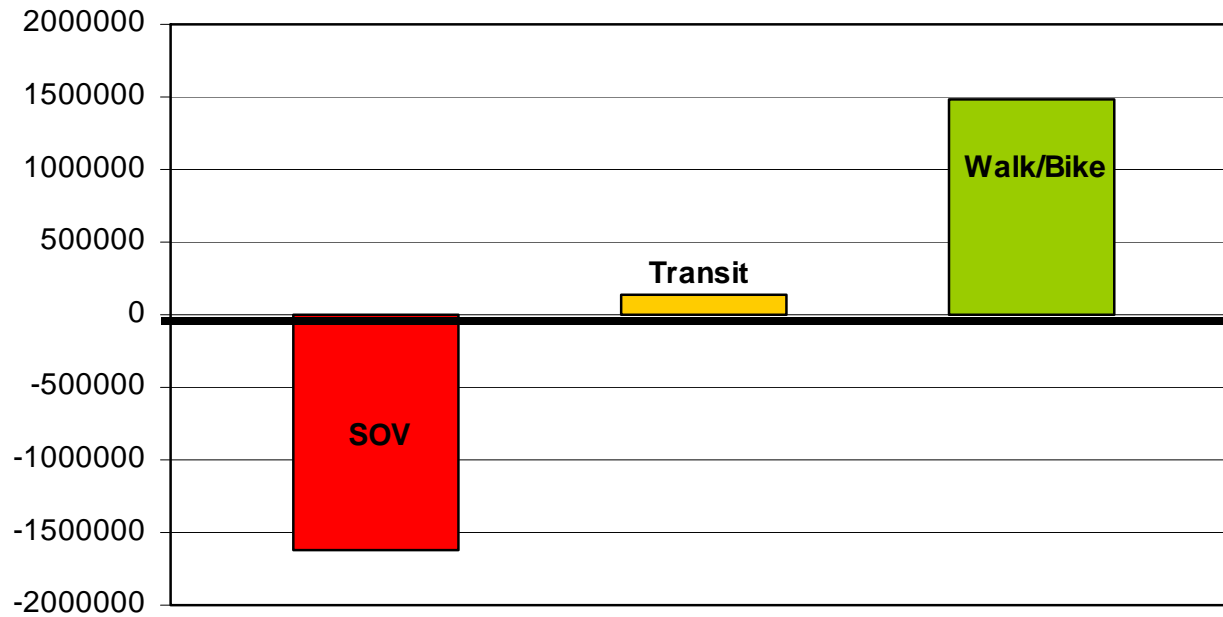
7 Regional Centers

AND

1 Urban Core

Trip Changes

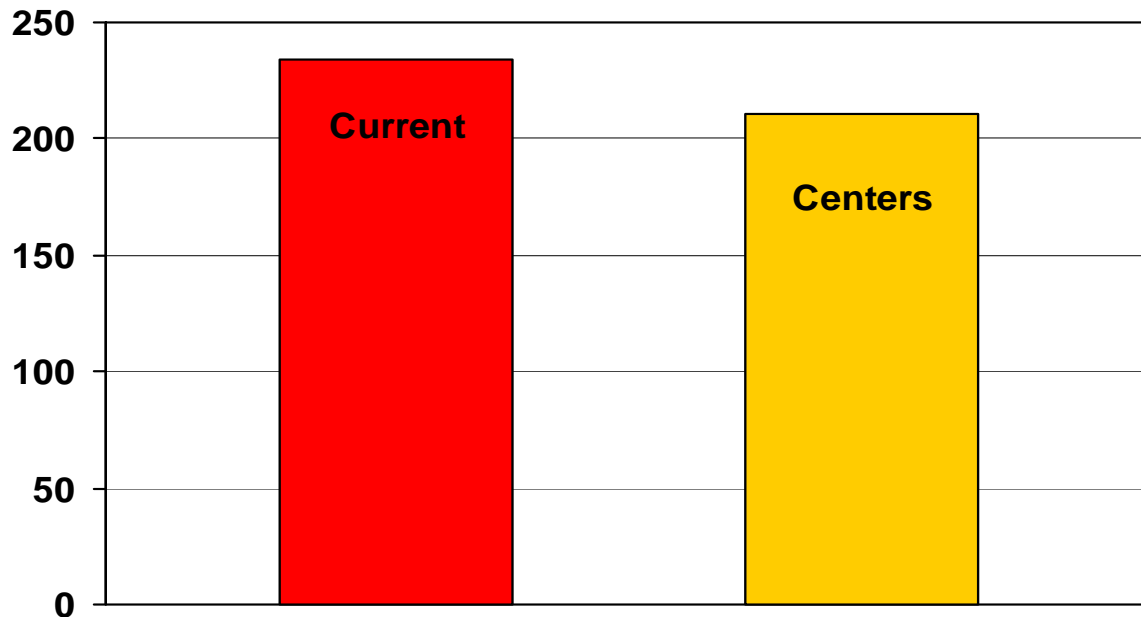
Changes in Trips by Mode with Centers (in trips/day)



VMT Reductions

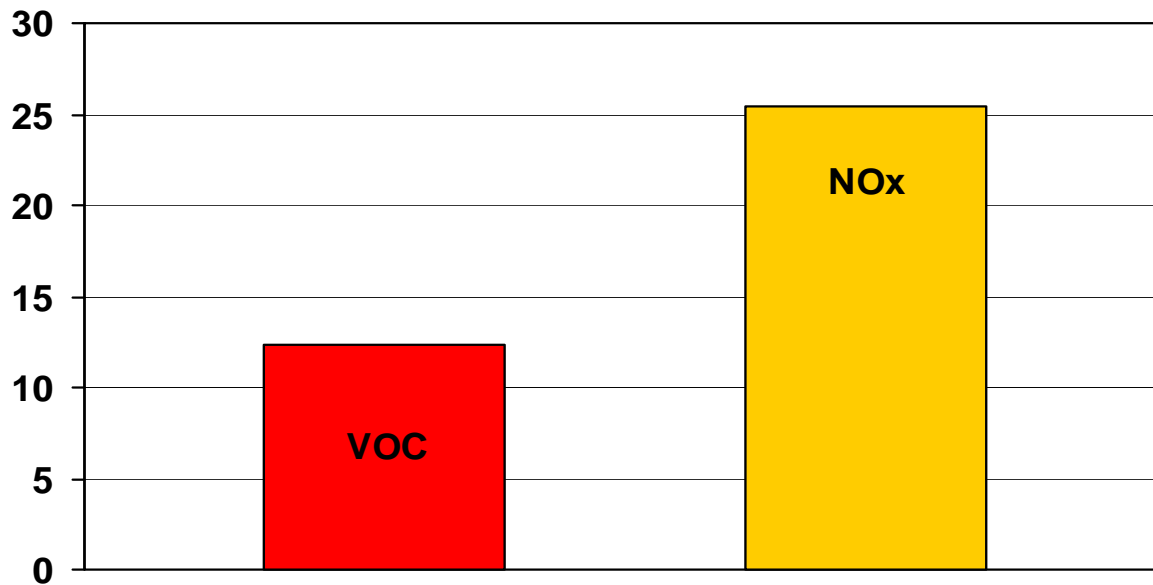
10% Reduction

Total Daily VMT (in Millions)



Emissions Reductions

Emmissions Reduced (in Tons/Day)



H-GAC Livable Centers Projects: 2008-2011 TIP

Planning

- East End Mgmt Dist: Navigation/S. Jensen
- Houston: Code Enforcement Building
- Houston: Midtown TOD
- Houston: Urban Corridors Implementation
- Tomball: Downtown Urban Design Plan
- Waller: Town Square

Implementation

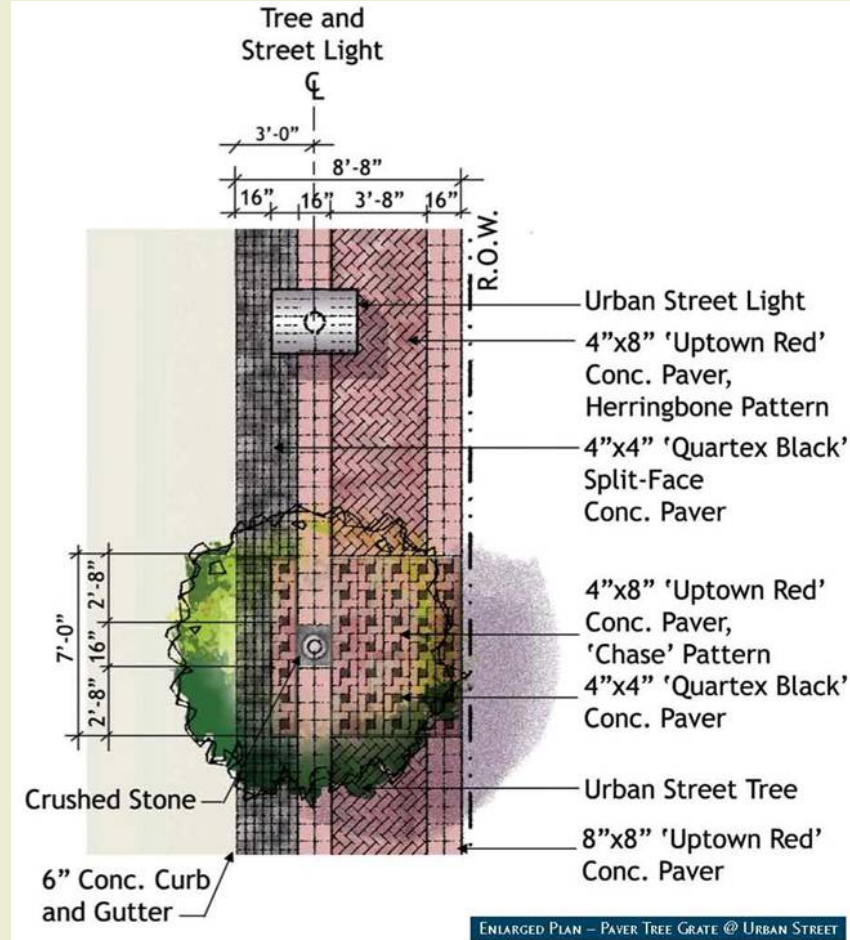
- Woodlands Town Center
- McGowen Improvements
- Midtown Phase V
- Galveston Seawall Ped/Transit Connections*
- Uptown Street Improvements*

* Currently on contingency list

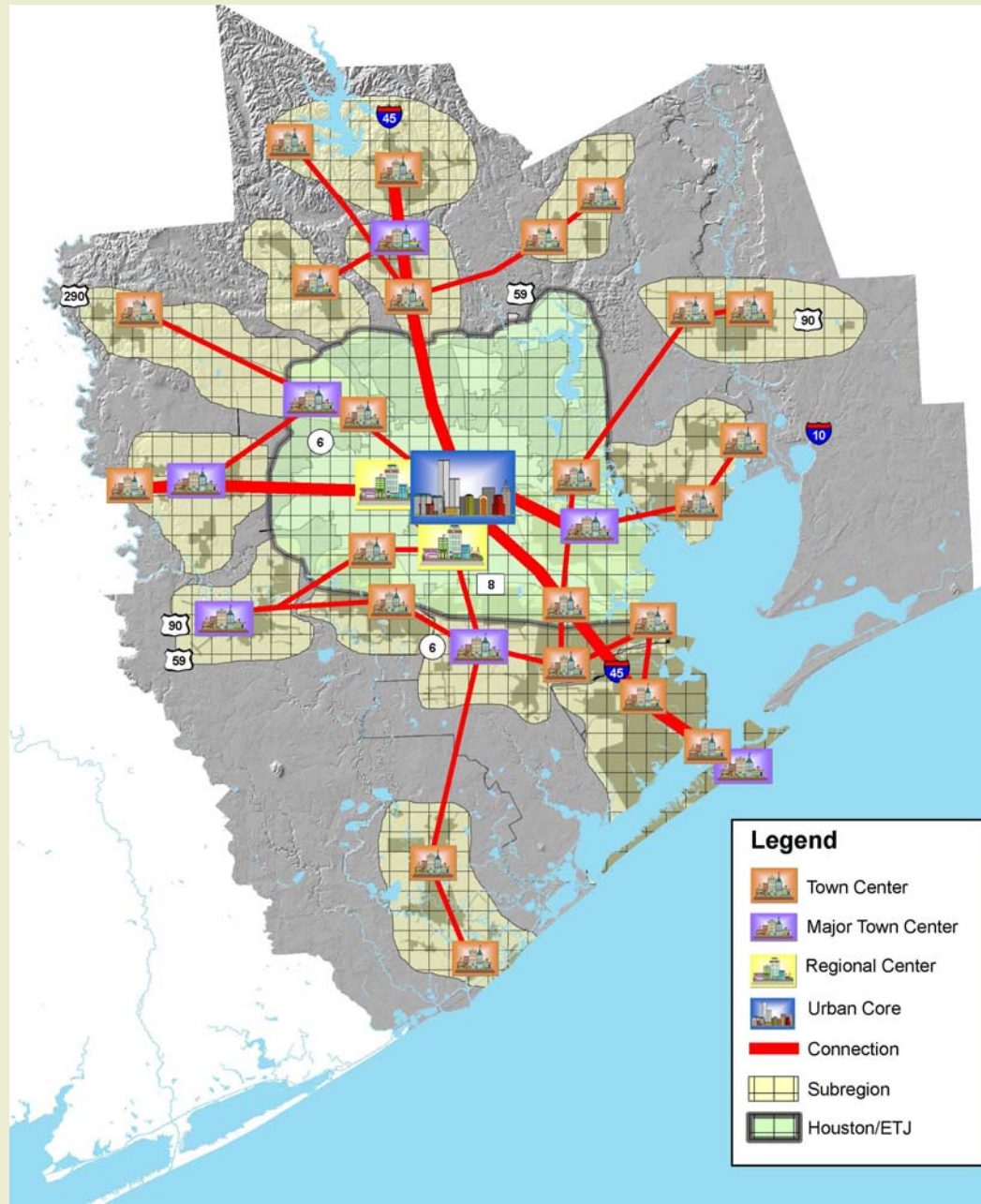
Livable Centers: Uptown



Boulevard Pedestrian Light



Sustainable Mobility



Sustainable Mobility



Questions?

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