

City Mobility Planning

Phase 2

Planning Commission

March 15, 2012



Partners



Houston-Galveston Area Council

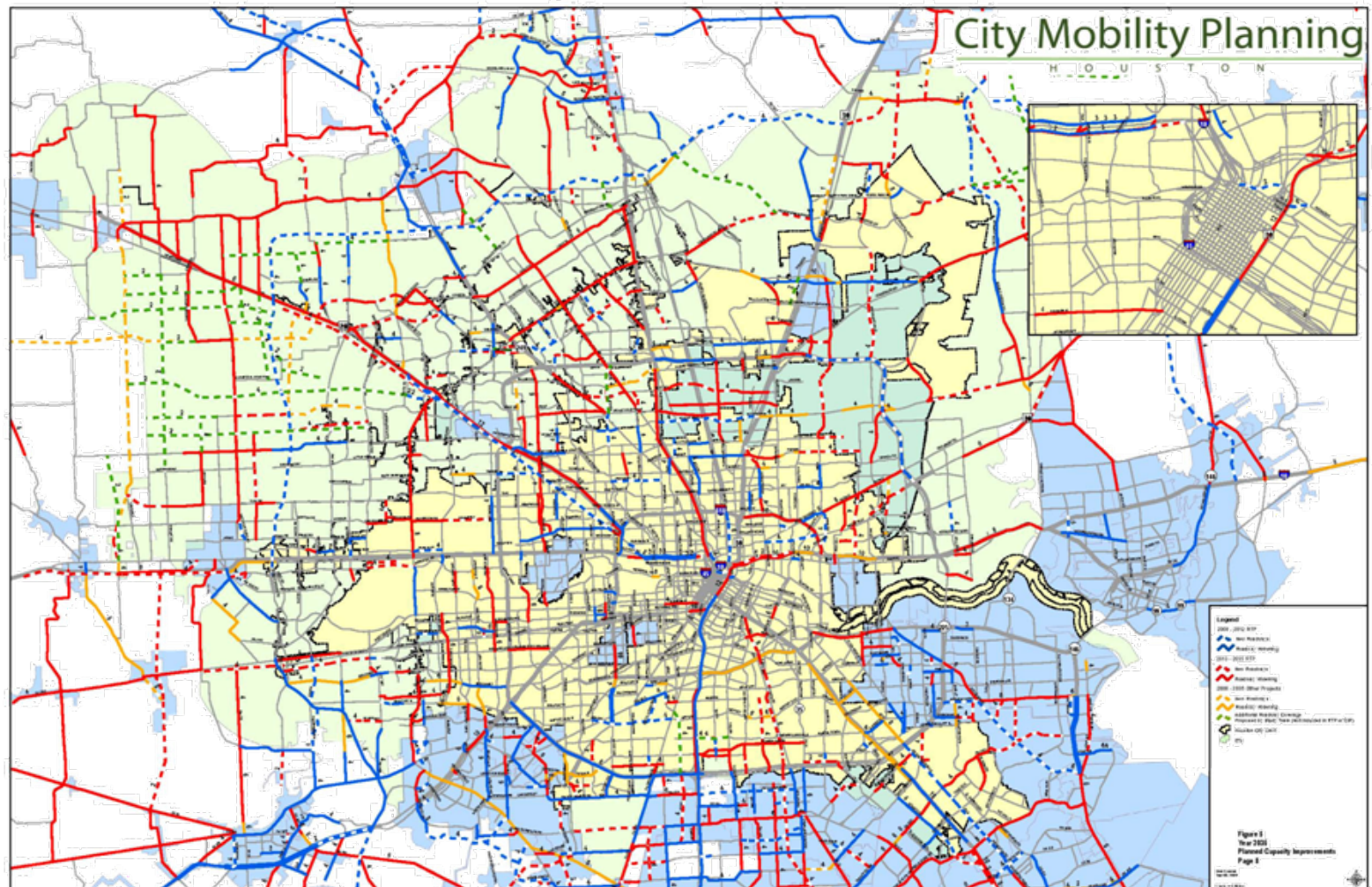
Consultant Team



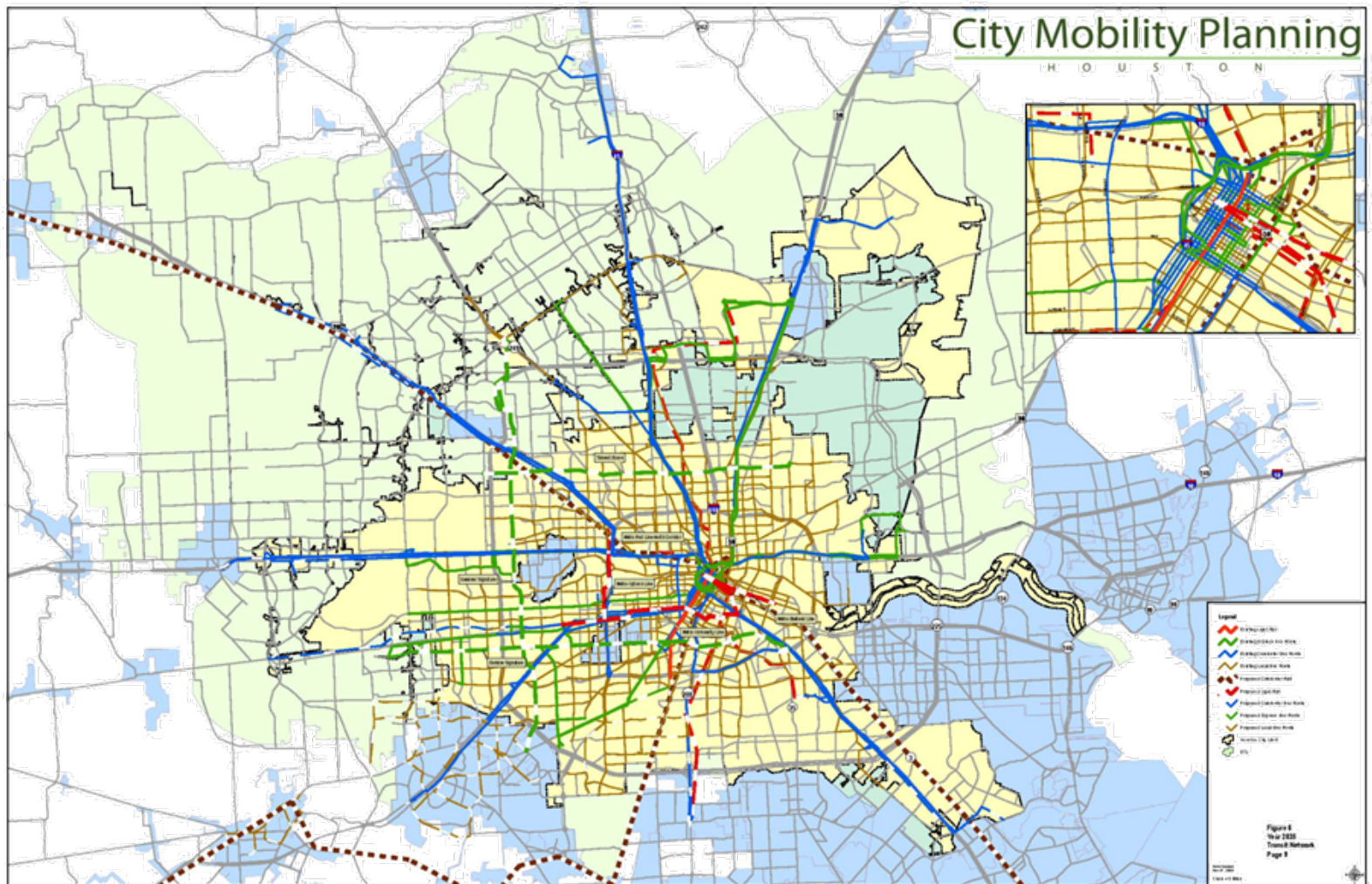
**Kimley-Horn
and Associates, Inc.**



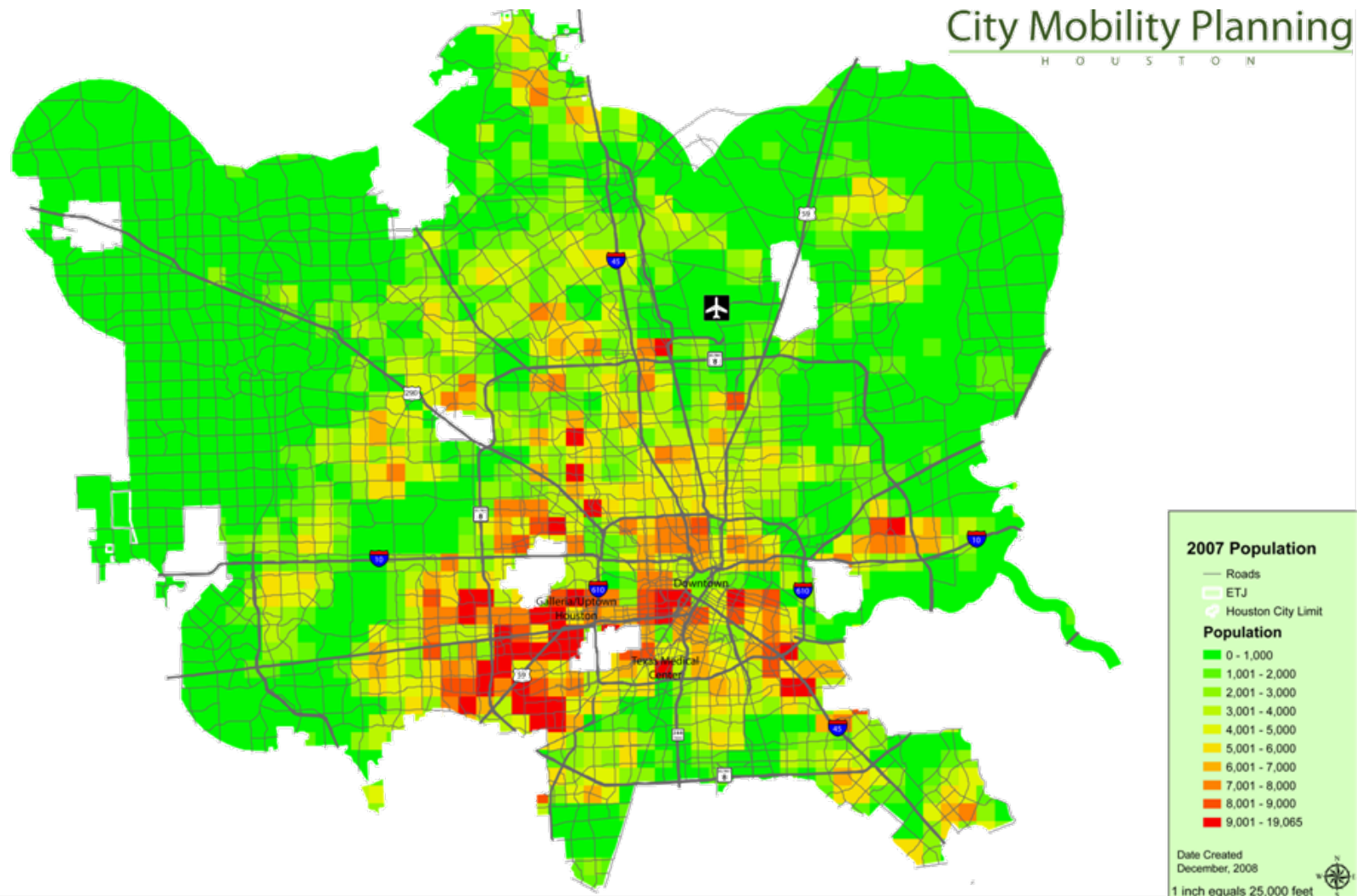
2035 Street Network as in the Current Travel Demand Model



2035 Transit Network as in the Current Travel Demand Model



2007 Population Density



City Mobility Planning
HOUSTON

2035 Population

— Roads
□ ETJ
○ Houston City Limit

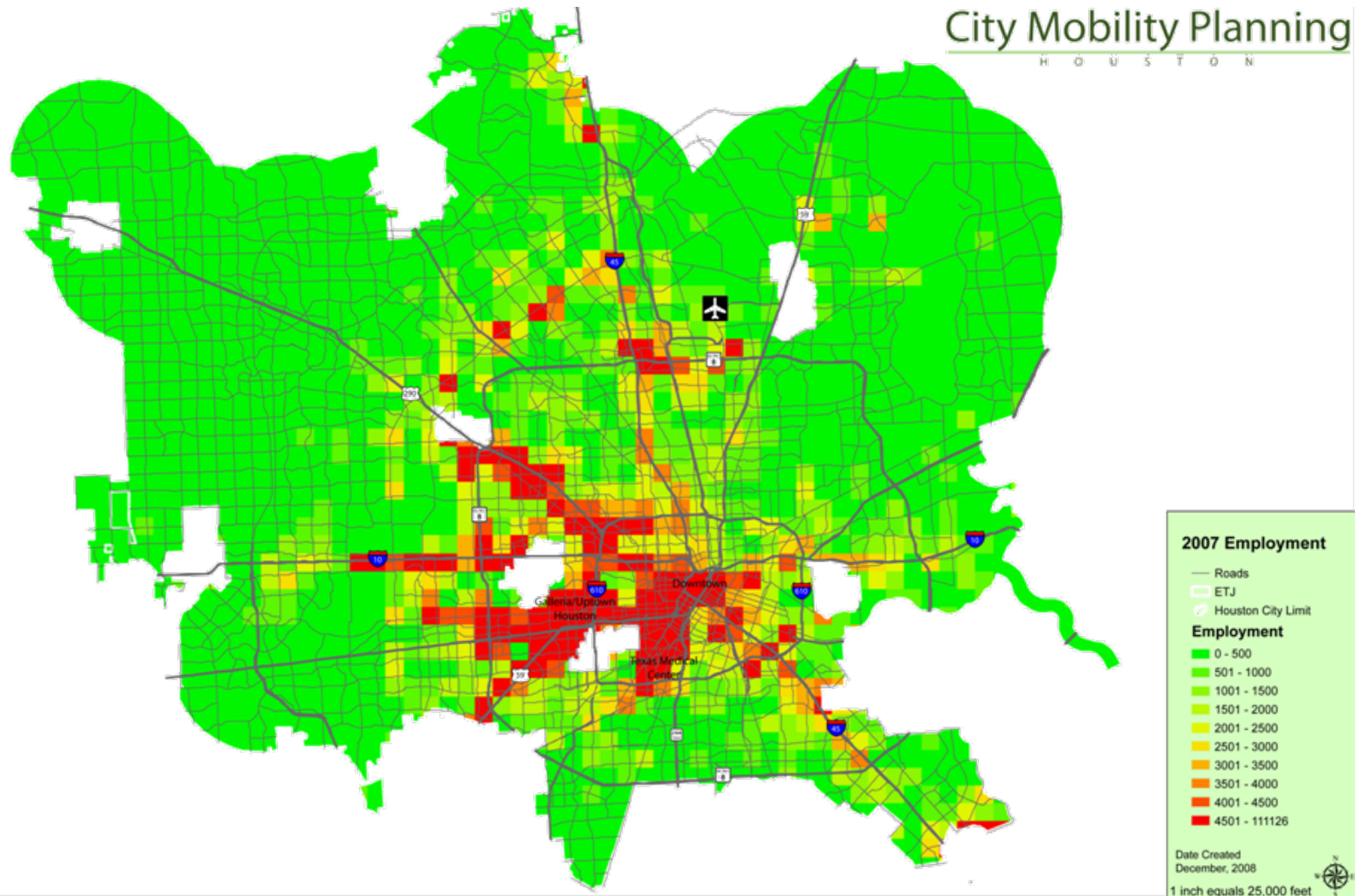
Population

- 0 - 1,000
- 1,001 - 2,000
- 2,001 - 3,000
- 3,001 - 4,000
- 4,001 - 5,000
- 5,001 - 6,000
- 6,001 - 7,000
- 7,001 - 8,000
- 8,001 - 9,000
- 9,001 - 19,065

Date Created
December, 2008

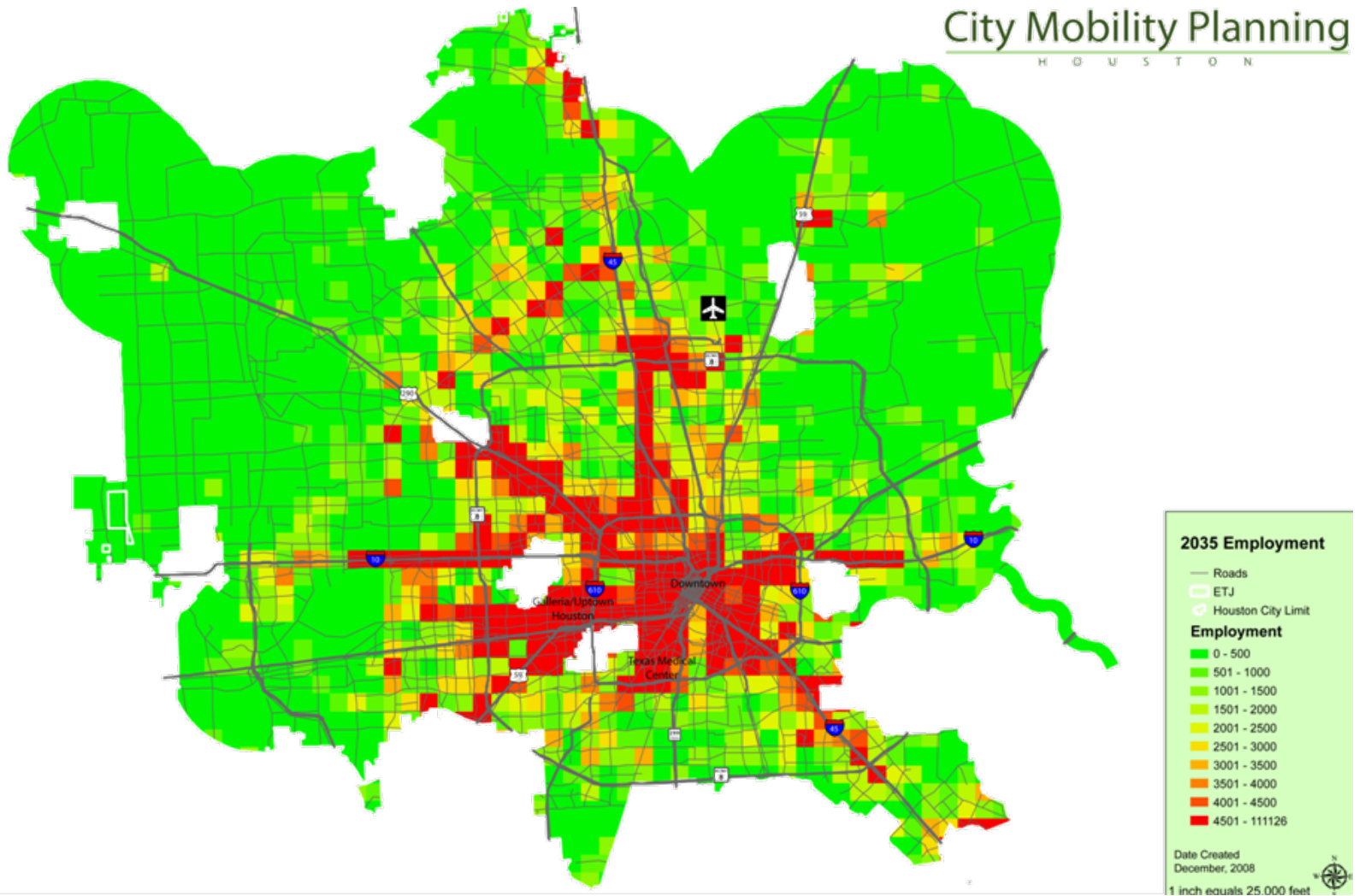
1 inch equals 25,000 feet

2007 Employment Density

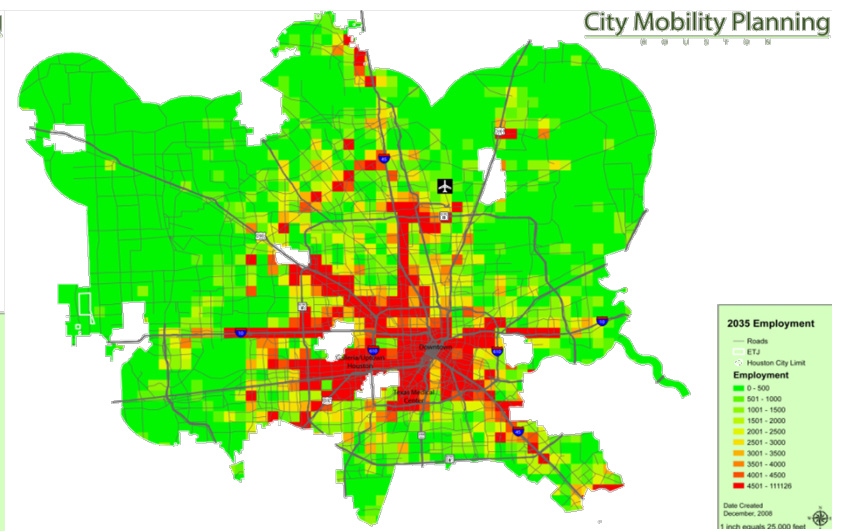
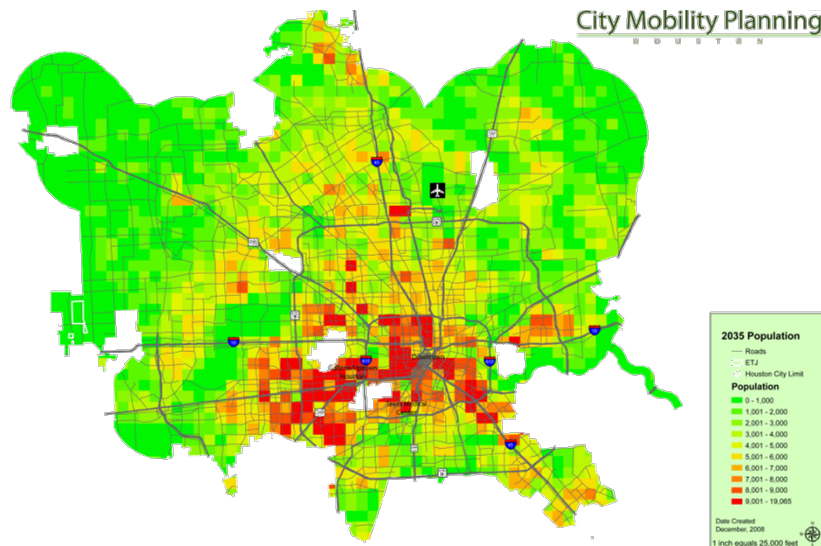


2035 Employment Density

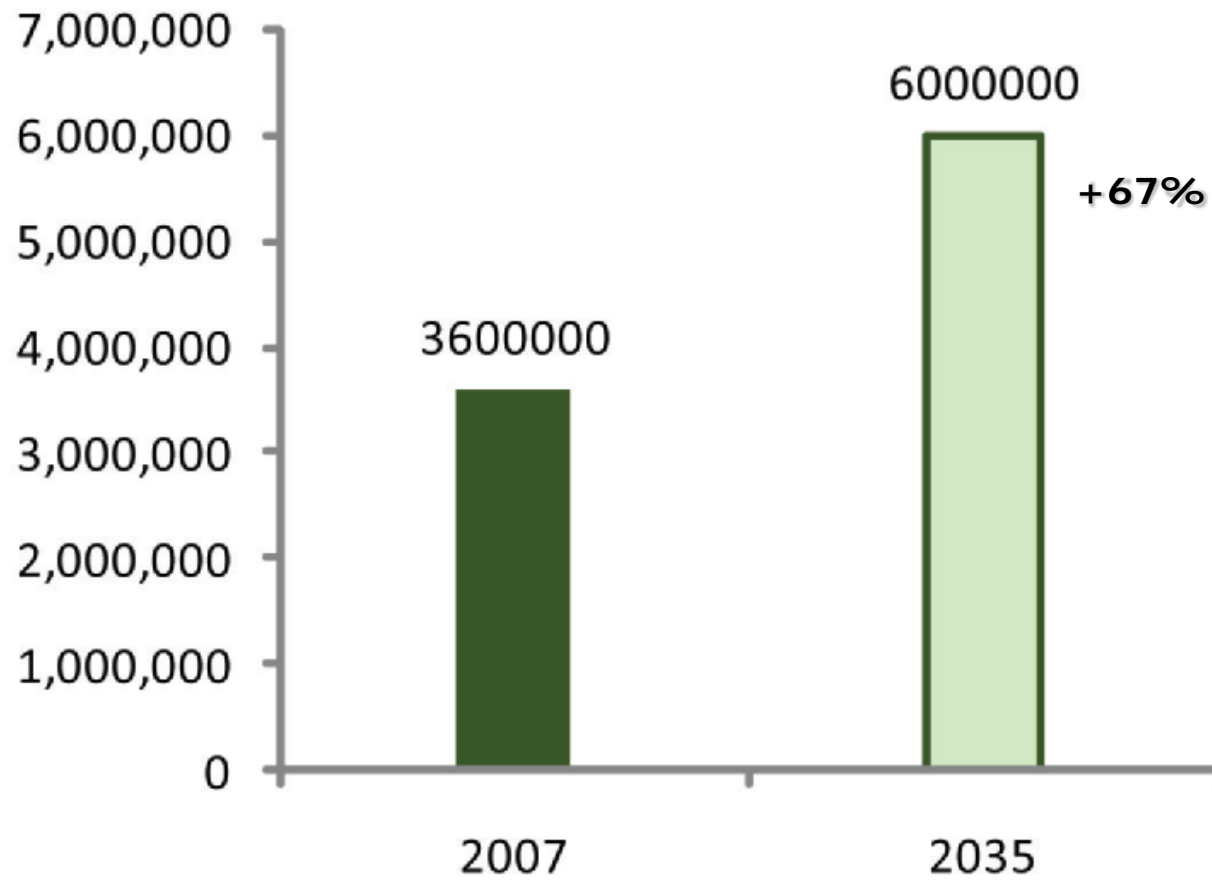
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2035 Population Density vs. Employment



Work Trips



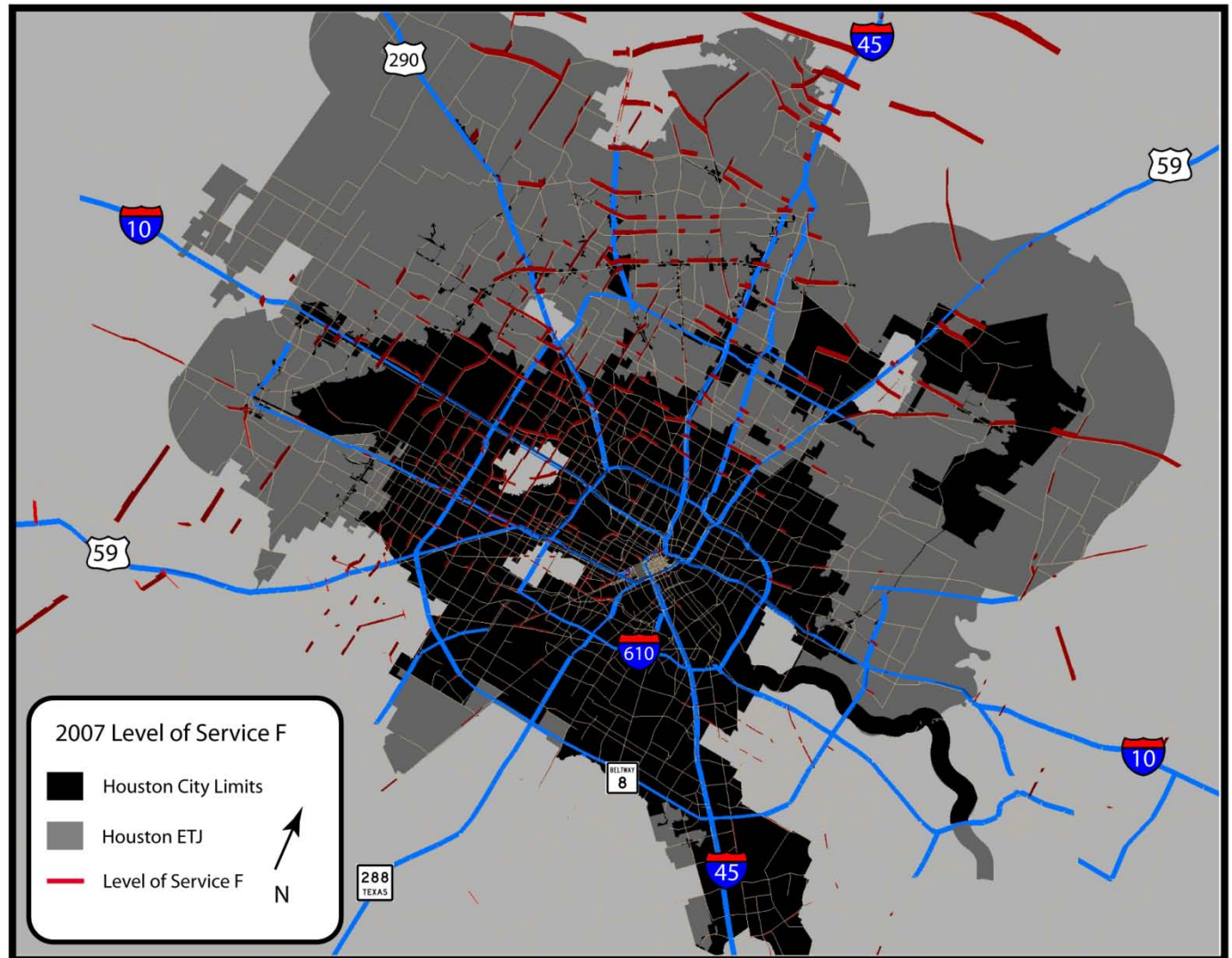
Modal Split

2007			2035		
Total Daily Trips	Transit Trips	Transit Share (%)	Total Daily Trips	Transit Trips	Transit Share (%)
3,566,651	135,338	3.8%	5,970,666	195,689	3.3%

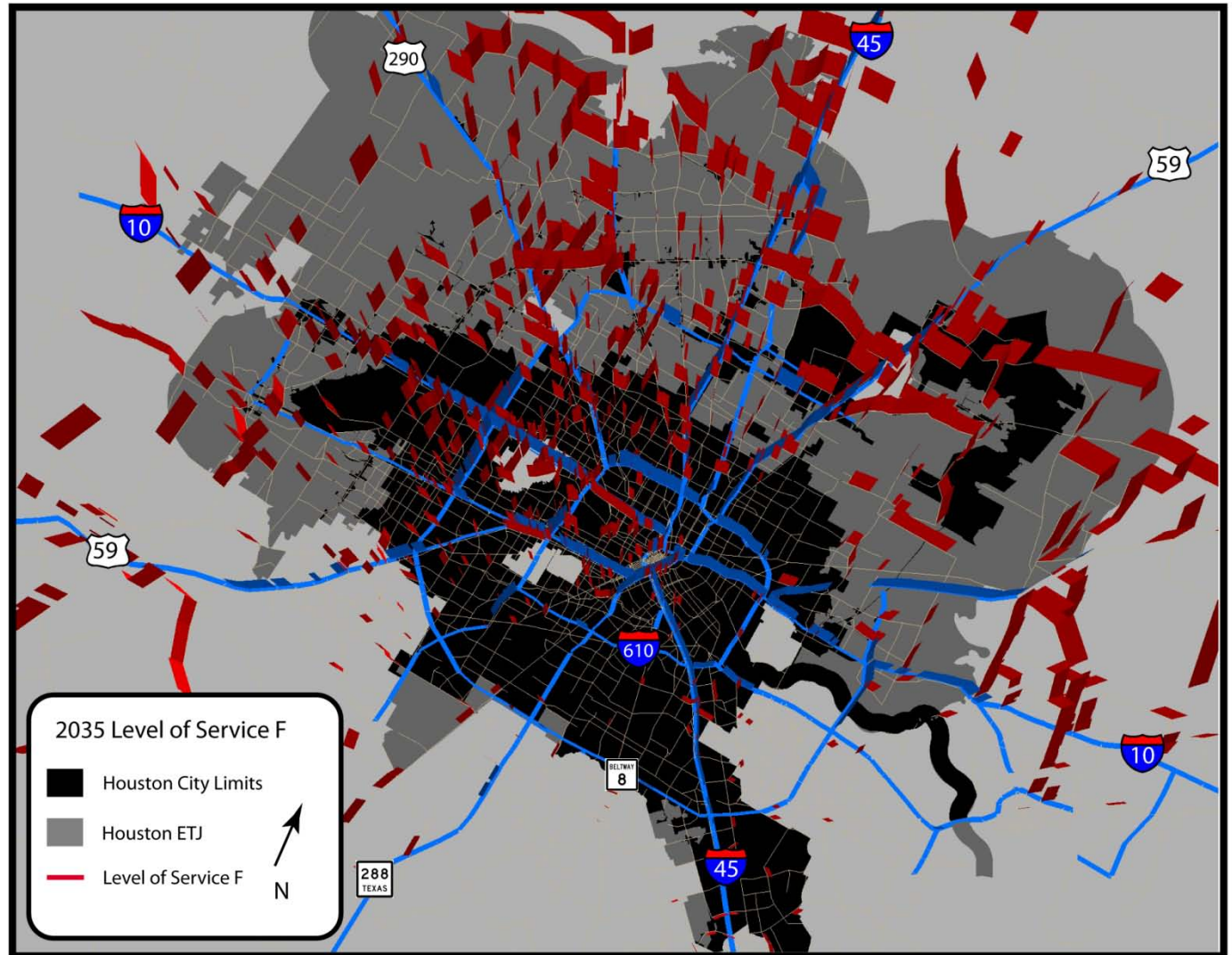
LOM / (v/c) / LOS

Level of Mobility (LOM)	Volume-to-Capacity (v/c) Ratio	Level of Service (LOS)
Good	<0.85	A, B, C, or D
Moderate	=0.85 but <1.00	E
Poor	=1.00 but <1.25	F
Severe	≥1.25	F

2007 LOS F



2035 LOS F



Worst Congested City Streets

STREET	BOUNDING CROSS STREETS		v/c
JFK Blvd./Will Clayton Pkwy.	Greens Rd.	Lee Rd.	3.66
FM 1960	Lake Houston Pkwy.	FM 2100	2.51
Kingwood Dr.	US-59	Woodland Hills Dr.	2.34
Northpark Dr.	US-59	W. Lake Houston Pkwy.	2.27
SH-6	I-10	Westpark Tollway	2.13
FM 1960	Aldine Westfield Rd.	US-59	1.75
Westheimer Rd.	Montrose Blvd.	Beltway 8	1.61
Richmond Ave.	Downtown	I-610 (West Loop)	1.53
Voss Rd./Hillcroft St.	Westheimer Rd.	Bellaire Blvd.	1.53
Bellaire Blvd.	Wilcrest Dr.	US-59	1.31
Galveston Rd.	Fuqua St.	Scarsdale Blvd.	1.27

Next Steps (CMP Phase 2)

- Mobility Studies
 - West Inner Loop Mobility Study
 - East End Mobility Study
 - West Houston Sub-Area Planning Initiative
 - Texas Medical Center Mobility Study
- MTFP Update
 - Use the data collected in the Mobility Studies to evaluate the current Major Thoroughfare Plan.
 - The Planning and Development and Public Works and Engineering Departments will use this information to recommend changes to the Major Thoroughfare Plan.

Mobility Studies

- Establish a Steering Committee
- Establish a Stakeholder Group
- Collect Existing Data
- Consider Various Land Use Scenarios
- Model the Selected Land Use Scenarios
- Identify Mobility Issues
- Using the Mobility Toolbox, Select Tools to Address Each Mobility Issue as a Potential Project
- Where Possible, Model Potential Projects
- Prepare Planning Level Costs Associated with Potential Projects
- Prepare Benefit/Cost Analysis and Prioritize Potential Projects
- Potential Projects Will be Sent to PWE Planning Group for Further Study and Incorporation into Rebuild Houston

Steering Committees

In all Cases, the Committee will include:

- City of Houston Planning and Development Department
- City of Houston Public Works and Engineering Department
- Metropolitan Transit Authority of Harris County

In addition, representatives from the following groups will be included as appropriate:

- Houston-Galveston Area Council
- Texas Department of Transportation
- Harris, Fort Bend and Montgomery Counties
- Management Districts

Stakeholder Committees

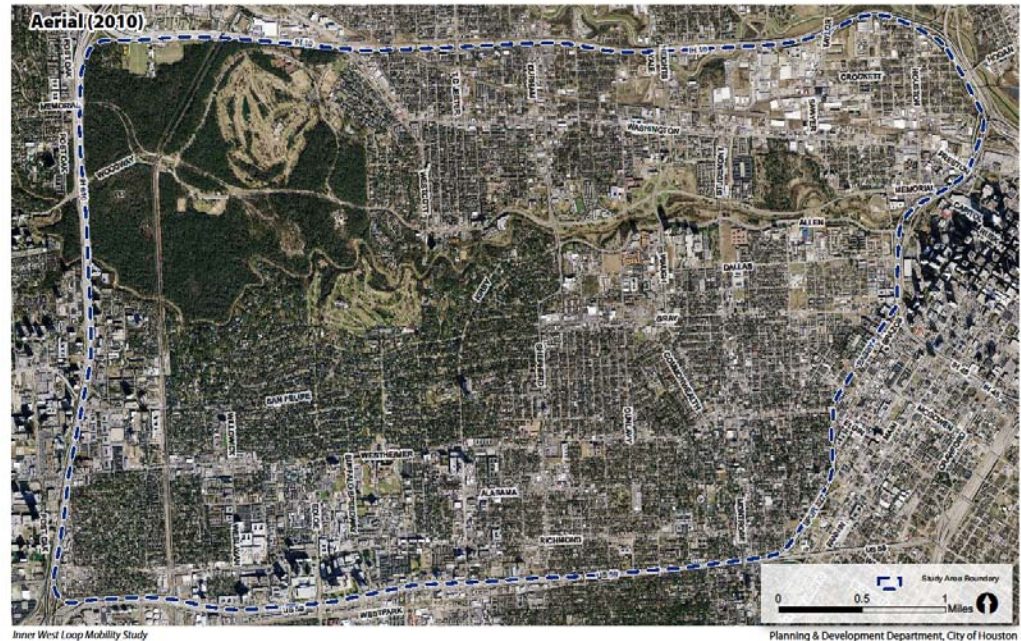
- Steering Committee Members
- Civic Clubs/Homeowner's Associations
- School Districts
- Management Districts
- Super Neighborhoods
- Special Interest groups (as Appropriate)

West Inner Loop Mobility Study

- Currently Underway As a Part of CMP Phase 2

<http://www.houstontx.gov/planning/DevelopRegs/mobility/InnerWestLoop.html>

- **Project Limits**
 - North – IH-10
 - West – IH-610
 - East – Downtown
 - South – US-59



East End Mobility Study

- Funded by H-GAC and Greater East End Management District
- Project Limits
 - North – IH-10
 - West – US-59
 - East – Lockwood
 - South - Polk

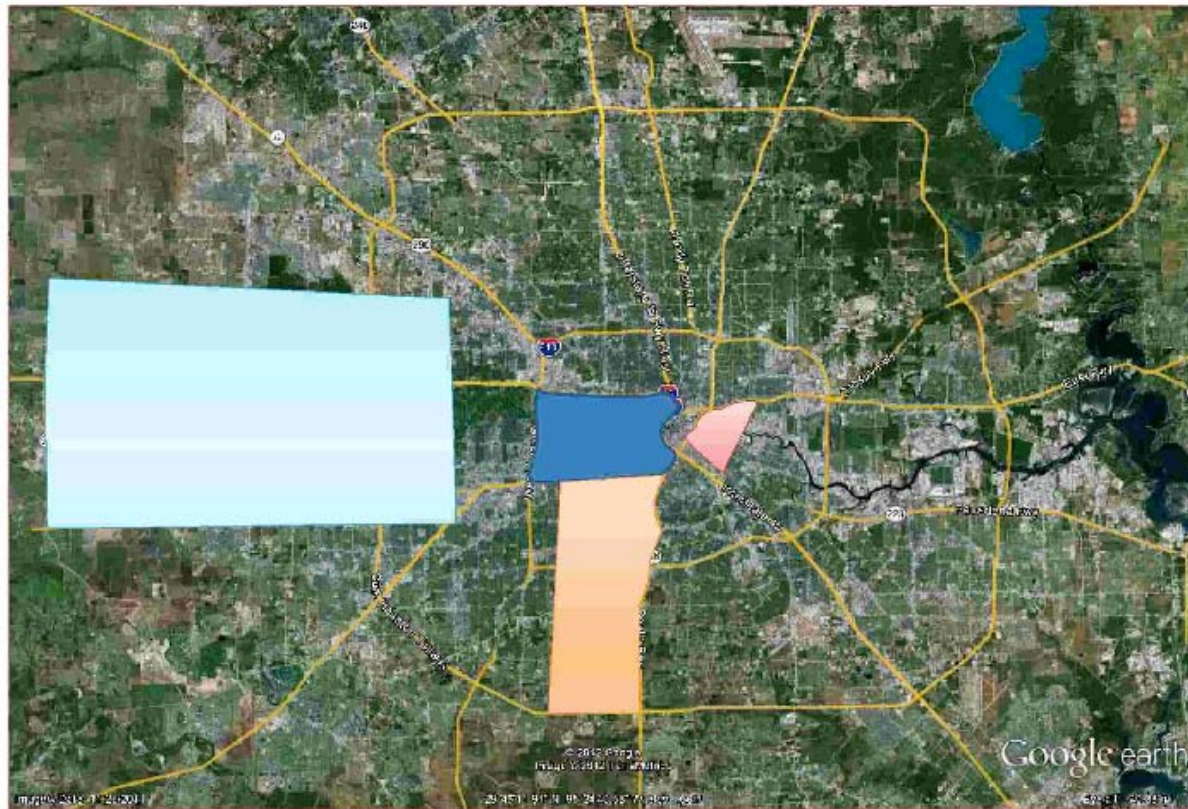
West Houston Sub-Area Planning Initiative

- Upcoming Project funded by H-GAC, the City of Houston, Westchase Management District, Memorial City Management District, and the Energy Corridor Management District
- Project Limits
 - North – To Be Determined (At Least Clay Road)
 - West – SH-99
 - East – Blaylock
 - South - Bellaire

Texas Medical Center Mobility Study

- FTA Funded Project Through a Congressional Earmark
- Matching Funds from City of Houston and Texas Medical Center Member Institutions
- Project Limits
 - North – US-59
 - West – Kirby Drive
 - East – To Be Determined (At Least SH-288)
 - South – Beltway 8

Study Areas



Questions?

