

<b>DATE</b>	November 26, 2013
<b>SUBJECT</b>	Texas Medical Center Mobility Study TMC Staff Briefing
<b>LOCATION</b>	TMC Board Room

<b>NAME</b>	<b>FIRM</b>	<b>PHONE NO.</b>	<b>EMAIL</b>
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<b>GENERAL INFORMATION</b>
<p>Gabe Johnson presented an overview of the project explaining project goals, sponsorship and current status. A handout summarizing study information was given to attendees, a copy is attached.</p>
<p>Gabe provided details on progress to date describing the data collection activities including description of the building and parking information provided by TMC. TMC staff requested a list of data delivered by the TMC and the member institutions. This data had been used by the Houston Galveston Area Council (HGAC) to revise and refine the regional travel demand model for the Texas Medical Center region.</p> <p>Results of the travel model are being used in the study to document current and future conditions. These forecasts will be used to study current and future operations of area major thoroughfares and intersections. Recommendations for roadway and intersections improvements will be made based on these analyses.</p> <p>TxDOT studies for proposed connectors into the medical center area from SH 288 and IH 610 were also described by Mr. Johnson. Preliminary results of the studies were discussed including preliminary findings indicating options for connections from SH 288 to Holcomb, Ardmore and/or Alameda. A connection at Cambridge is also being considered with the outcome contingent upon decisions regarding improvements to IH 610.</p>

Studies are also being conducted on operation of METRO's Red Line, the light rail train operating in Fannin Street. Traffic operations along Fannin are also being studied and will be the focus of the next Steering Committee meeting scheduled for December 9<sup>th</sup>.

Gabe briefed TMC staff on status of the TMC Mobility Study explaining the report is scheduled for completion in April with a draft of the final report due in early February. A public meeting was held last March and the next public meeting presenting draft study findings is tentatively scheduled for February 2014. Presentation, discussion and refinement of alternatives are scheduled for December 2013 and January 2014.

Rescheduling of the Parking Workshop that had been postponed was discussed. The purpose of the meeting will be to convene parking facility owners and operators and City of Houston staff to evaluate current and proposed future parking supply and operations. Bob Sutton will contact Brian Favela to coordinate the meeting for early January.

Brian Favela and Tosha Mayo have been added as members of the TMC Mobility Study Steering Committee.

Action Items:

1. Supply list of data delivered by TMC and member institutions for study use.
2. Schedule parking workshop

Attachments:

1. Copy of project overview is attached
2. Copy of data resources is attached.

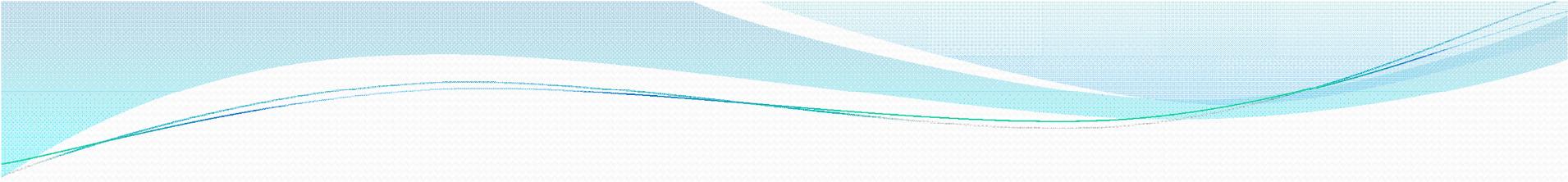
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# TMC Transportation Study

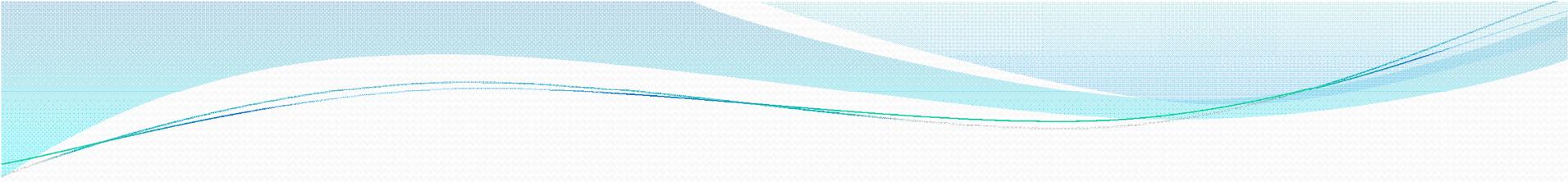
## TEXAS MEDICAL CENTER TRANSPORTATION MASTER PLAN

*Gabe Johnson, P.E.  
Vice President  
Parsons Brinckerhoff, Inc.  
November 26, 2013*



# Purpose

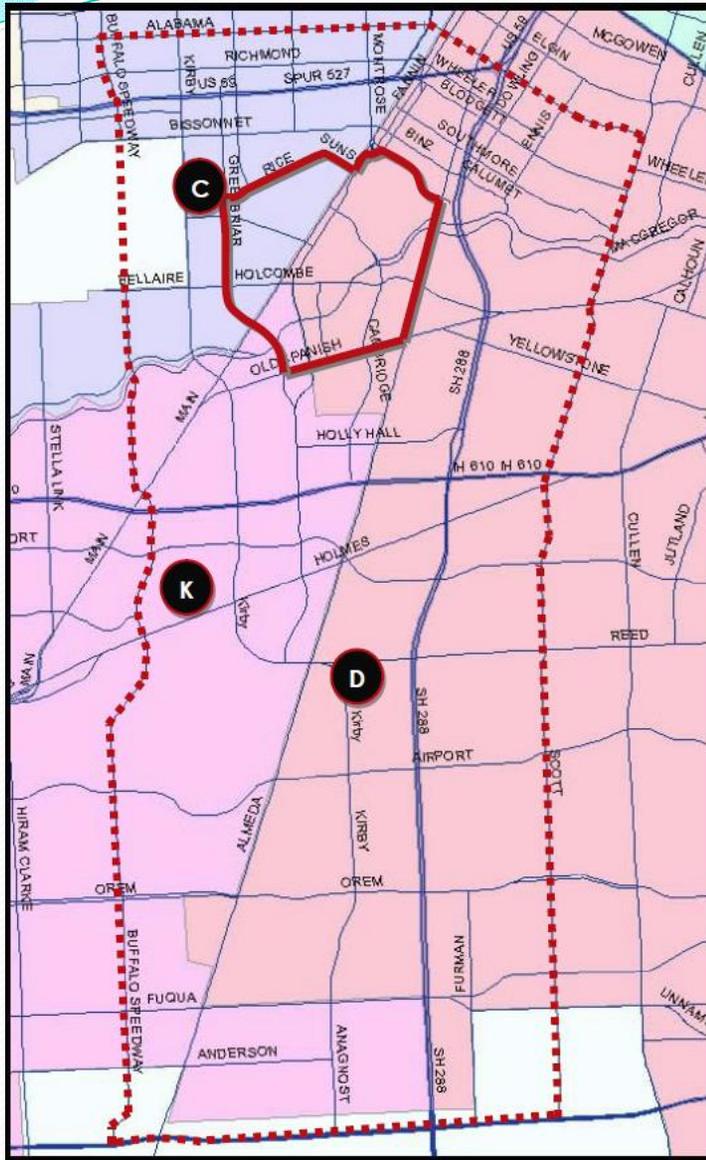
Study Purpose: “Study examines vehicular access & circulation in the TMC area. Private automobiles and transit vehicle access & circulation will be studied & recommendations made for improvement.”



# Parsons Brinckerhoff Team

- Gabe Johnson, P.E.: *Project Manager; Parsons Brinckerhoff, Inc.*
- Gunda Corporation, LLC: *Traffic and Parking Analysis*
- Knudson, LP: *Public Participation and Logistics*
- Traffic Engineers, Inc. (TEI): *Senior Advisor Role*
- CJ Hensch & Associates, Inc.: *Data Collection*

# Study Boundaries & Council Districts



**Primary Study Area**  
N: Rice Blvd  
S: OST Blvd.  
E: Almeda  
W: Greenbriar

**General Study Area**  
N: Alabama  
S: Sam Houston Tlwy  
E: Scott St.  
W: Buffalo Spdwy

Council District C  
*Council Member Ellen Cohen*  
Council District D  
*Council Member Wanda Adams*  
Council District K  
*Council Member Larry Green*

# Study Objectives: Analyses/Assessment

- Street Network
- Intersection/bottleneck
- Parking Access
- Emergency Vehicle Access
- Transit
  - Bus Service
  - LRT Assessment
  - Internal TMC People Mover
- Intelligent Transportation Systems
- Pedestrian/Bicycle Connectivity
- Travel Demand Management
- Transportation System Management Strategy

Note: These will result in projects



# TMC Steering Committee

- COH, TMC, HGAC, METRO, TxDOT
  - At least one individual from each organization
- Steering Committee will be involved in approving progress and some aspects of the budget

# TMC Steering Committee

- Texas Medical Center
- METRO - Kurt Luhrsen
- TxDOT
- H-GAC – Hans-Michael Ruthe
- TMC
  - Rice University - Kevin Kirby
  - MD Anderson - Spencer Moore
  - Methodist Hospital - Sid Sanders
  - Texas Children's Hospital - Pete Dawson
- City of Houston –
  - PWE - Shelli Carter
  - PWE – Khang Nguyen
  - Planning - Amar Mohite
  - PWE - Jeffrey Weatherford
- Parsons Brinckerhoff
  - Gabriel Johnson – Project Manager
  - Robert Sutton - DPM

# Public Meetings

- Two general public meetings
  - First Meeting March 28 2013: During alternatives development stage with existing conditions analysis:
  - Second Meeting Planned For February 2014: Review of Draft Master Plan

# TMC Scope of Work

1. Data Collection: *Complete*
2. Steering Committee Coordination & Review: 80% Complete
3. Stakeholder & Public Involvement:
  - Stakeholder Meetings & Interviews: *Complete*
  - General Public Meetings: 50% Complete
4. Planning Process
  - Mobility Objectives & Performance Measures: 90% Complete
  - Model Development: *75% Complete*
5. Modeling, Operations, & Planning Analysis
  - Steering Committee Review: 90% Complete
  - Network Analysis: 50% Complete
6. Evaluating Alternatives
  - Alternatives Development: 75% Complete
  - Alternatives Evaluation: 75% Complete
7. List study project recommendations
8. Identify possible funding sources
9. Study Documentation: 75% Complete

Data	Data Type/Format	Date	Original Source
Capital Improvement Projects (CIP)	GIS	Oct 2012	City of Houston
Texas Medical Center Master Transportation Plan Issues and Strategies	Report	Jun 2010	City of Houston
Texas Medical Center Master Transportation Plan: Alternative Mobility Improvement Strategies (Technical Memorandum 4)	Report	Aug 2002	City of Houston
Texas Medical Center Master Transportation Plan: Analyze and Evaluate Options (Technical Memorandum 5)	Report	Oct 2002	City of Houston
Texas Medical Center Master Transportation Plan: Existing Conditions (Technical Memorandum 1)	Report	May 2002	City of Houston
Texas Medical Center Master Transportation Plan: Goals, Objectives, and Guiding Principles (Technical Memorandum 3)	Report	May 2002	City of Houston
Texas Medical Center Master Transportation Plan: Needs Assessment (Technical Memorandum 2)	Report	May 2002	City of Houston
Texas Medical Center Master Transportation Plan: Summary Report	Report	Oct 2002	City of Houston
Traffic Counts	GIS	Oct 2012	City of Houston
Traffic Signals	GIS	Oct 2012	City of Houston
TIA 4100 Greenbriar	Report	Dec 2011	City of Houston
TIA W Alabama at Dunlavy	Report	Feb 2012	City of Houston
TIA Carnegie Vanguard High School	Report	Jan 2011	City of Houston
TIA Hanover West Apartments	Report	Aug 2012	City of Houston
TIA Harris County Hospital District	Report	2007	City of Houston
TIA Staffordshire Development	Report	Nov 2011	City of Houston
TIA Supermarket Alabama at Dunlavy	Report	Nov 2010	City of Houston
TIA Post Richmond	Report	Nov 2011	City of Houston
2005 Traffic Analysis Zones (TAZ) for H-GAC region	GIS	Sep 2005	H-GAC
2012 Traffic Analysis Zones (TAZ) for H-GAC region	GIS	Apr 2012	H-GAC
Zayed Traffic Impact Study	Report	Apr 2012	MD Anderson Cancer Center
Proposed 5-Year Transit Service Plan	Map		METRO
Quickline Bellaire Rider Report	Report	Jul 2009	METRO
Survey Data	Database	Year 2011	METRO
TMC SwiftLine Report	Report	Oct 2009	METRO
Transit Ridership for TMC Routes	Matrix	Apr 2011	METRO
Texas Medical Center Pedestrian Circulation Master Plan 2002	Report	Dec 2002	Texas Medical Center
Texas Medical Center Pedestrian Circulation Master Plan: Skywalk and Utility Integration Guidelines	Report	Aug 2005	Texas Medical Center
Mid and South Campus Conceptual Development Plan	Report	2009	Texas Medical Center
A 50 year Master Plan	Report	1999	Texas Medical Center
A 50 year Master Plan - 2006 Update	Report	2006	Texas Medical Center
TMC Parking Lots and TMC Garage Building Footprints	GIS data		Texas Medical Center
Internal Shuttle Coordination Study for the Texas Medical Center	Report	Nov 2007	Texas Transportation Institute
MD Anderson Master Site Plan and TIS	Report	Jul 2011	TMC
TMC Sub-Regional Transportation and Mobility Strategy	Brochure	year 2008	TMC
ZipCode Study 2009	Map and Tables	year 2009	TMC
TMC Mobility Management Plan	Report	Sep 2007	TMC and HGAC - TTI