

## **Grand Parkway Feasibility Study**

### **For Discussion on Data Needs from H-GAC – February 25, 2008**

- Historical socio-economic forecasts data from previous Mobility Plans dating back as far as possible for input in the risk analysis
- Latest information on Grand Parkway Project Alignments and interchange locations
- Latest H-GAC Region Transportation Improvement Program
  - Highway Improvement Plans
  - Transit Improvement Plans
- All Available Traffic Counts taken in last three years by / for H-GAC
  - Understand these are available at 15 minute increments
- Any available community development and thoroughfare plans, or contacts at local governments as to where these can be obtained
- Any available data on historical operating speeds on regional freeways for use in network calibration
- Any prior studies of Grand Parkway done by / for H-GAC
- Latest H-GAC Regional Travel Demand Model:
  - GIS layer/shapefile for TAZ
  - GIS layer/shapefile for 1000x1000 grid used for land use forecasting
  - Networks at base year (2007?), 2015,2025, 2035 levels
  - Vehicle trip tables (using baseline economic data) at base year (2007?), 2015,2025,2035 levels
    - By time of day (am, pm, midday, night periods)
    - By type/occupancy (SOV, HOV2, HOV3, trucks)
    - By trips purpose (work, nonwork, etc.)
  - Base case socioeconomic forecasts
- Alternative socioeconomic forecasts based on Grand Parkway construction
  - Up to six (base + five alternative) project phasing sequences
  - With land use changes to be developed by H-GAC
  - 2015,2025,2035
- Alternative trip tables with build condition and modified socioeconomic data
  - Up to six (base + five alternative) project phasing sequences
  - 2015, 2025, 2035