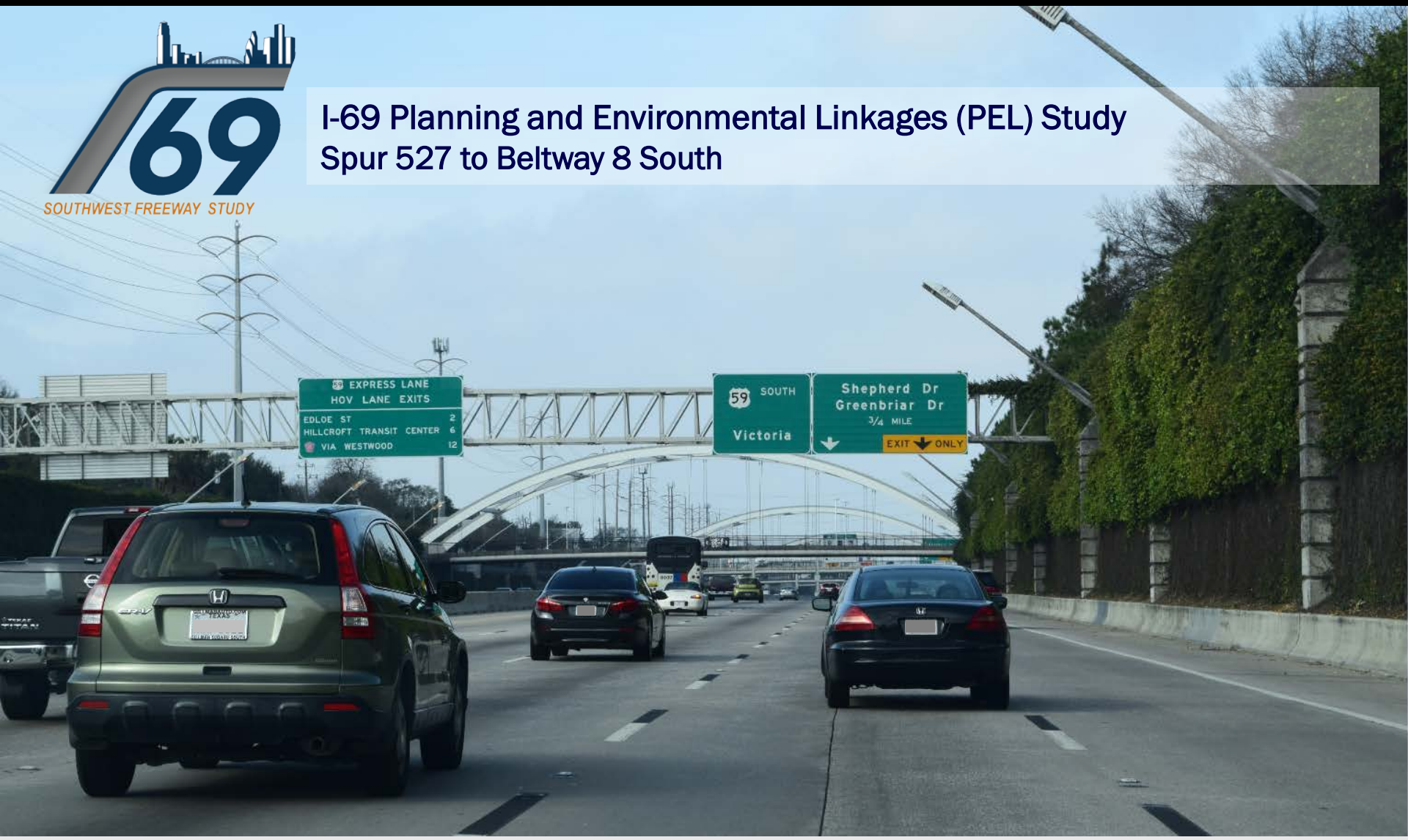
TEXAS DEPARTMENT OF TRANSPORTATION

SOUTHWEST FREEWAY STUDY

I-69 Planning and Environmental Linkages (PEL) Study
Spur 527 to Beltway 8 South



Project Ambassadors Committee — Meeting #1 December 5, 2017

MEETING AGENDA

1. WELCOME & INTRODUCTIONS

2. STUDY OVERVIEW

- ✓ Study Limits
- ✓ Purpose of this Study

3. AGENCY, STAKEHOLDERS AND PUBLIC MEETINGS

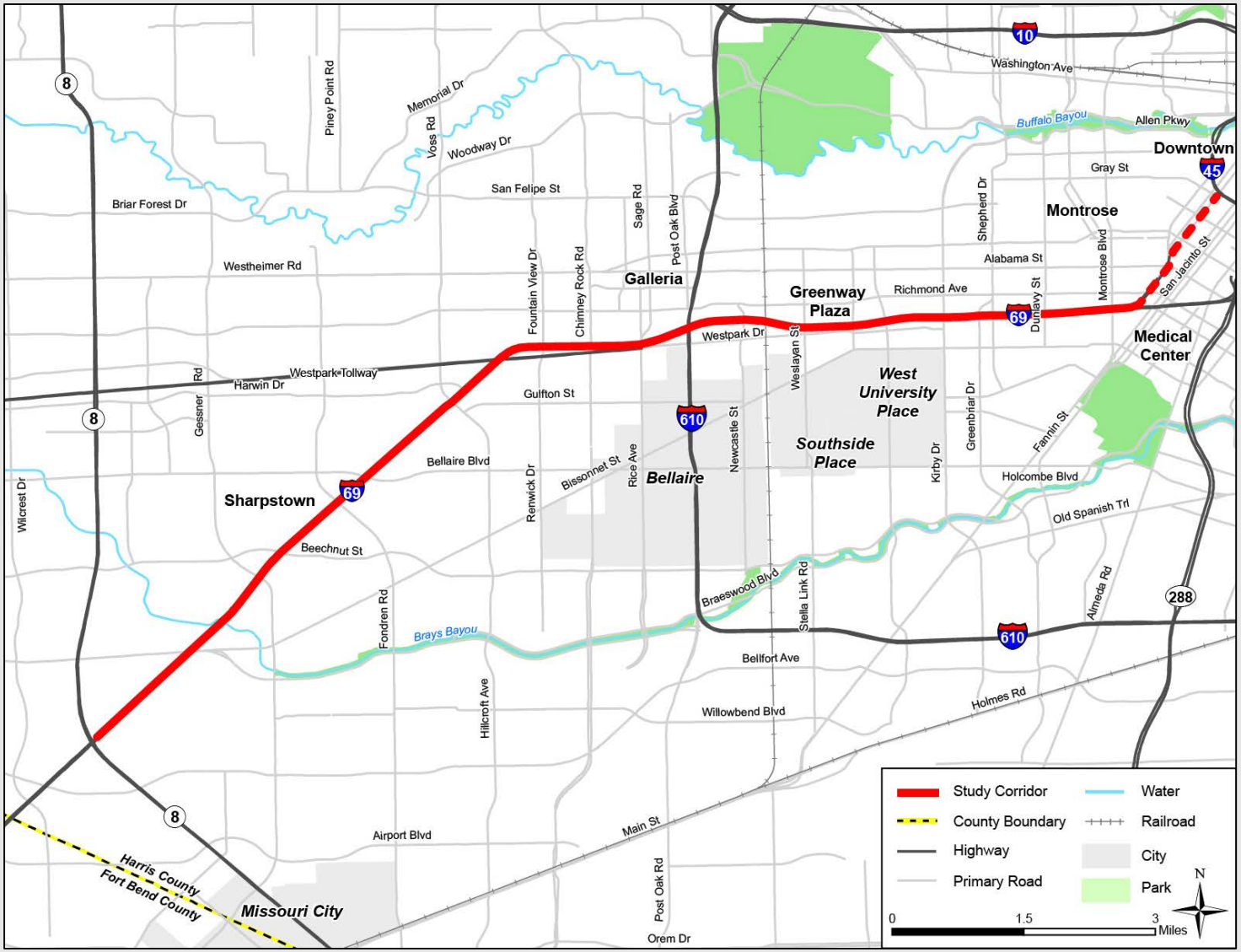
- ✓ Who is Involved
- ✓ What they are expected to do

4. EXISTING CORRIDOR AND FUTURE DEMAND

- ✓ Summary of Previous Studies
- ✓ Data Collection
- ✓ Existing Corridor Analysis Results
- ✓ Corridor Demand Projections

5. NEXT STEPS

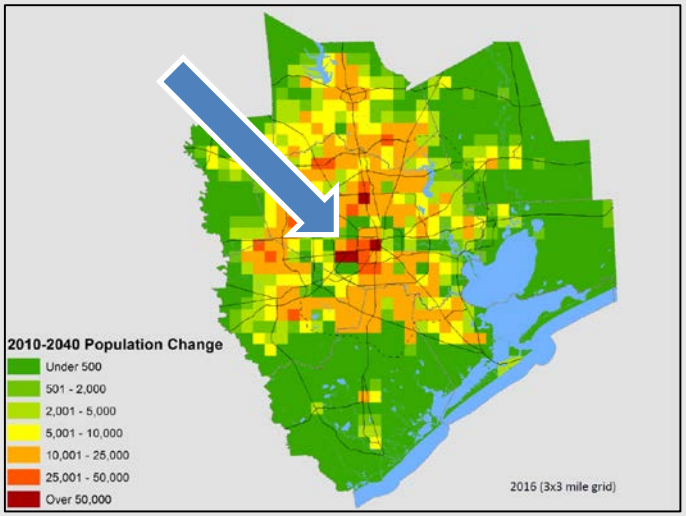
STUDY LIMITS – SPUR 527 TO BELTWAY 8



WHY THIS CORRIDOR ?

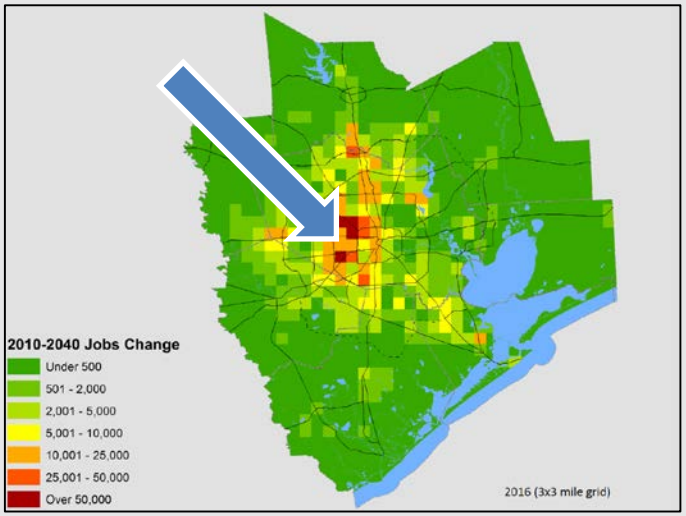
Increased Travel Demand

- #3 Most Congested Freeway in Texas
- Increasing Population and Employment
- Strain on Transportation Networks
- High Crash Rates
- Technological Changes to Transportation

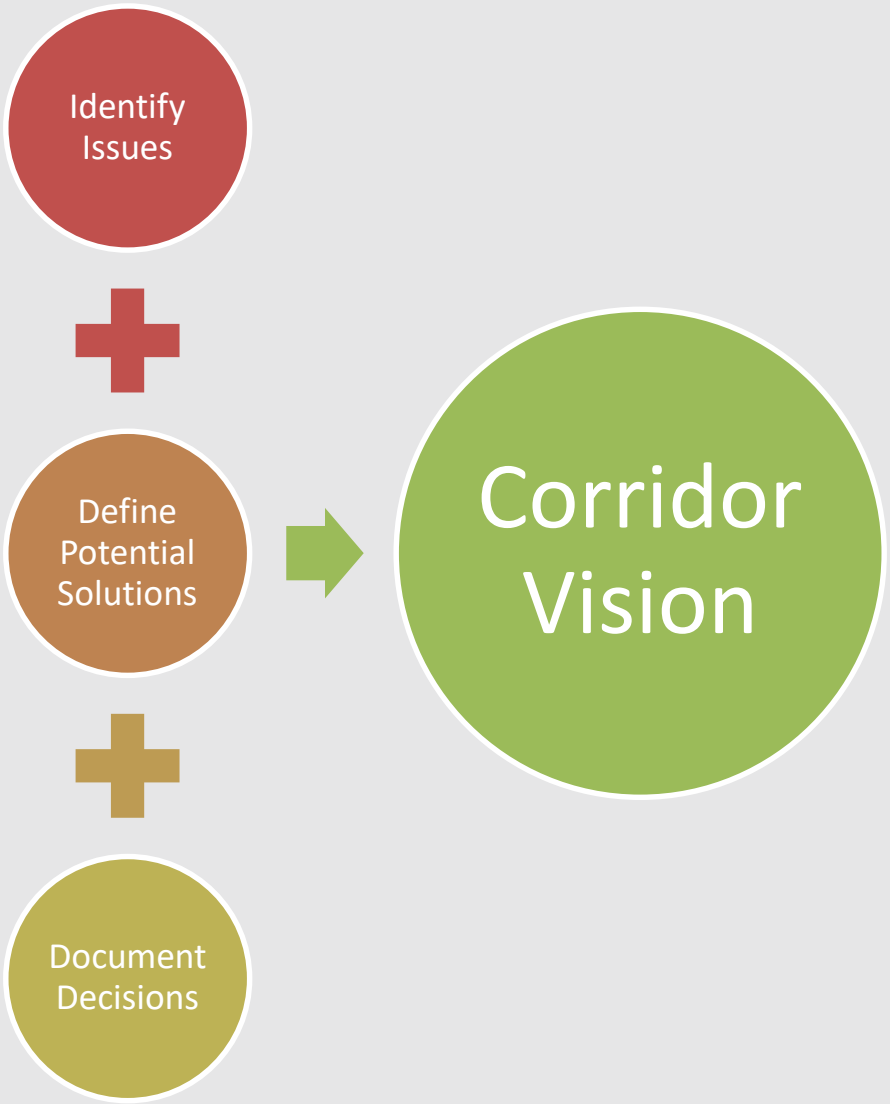


We want to Improve:

- Safety
- Mobility
- Transit Accessibility
- Multimodal Facilities



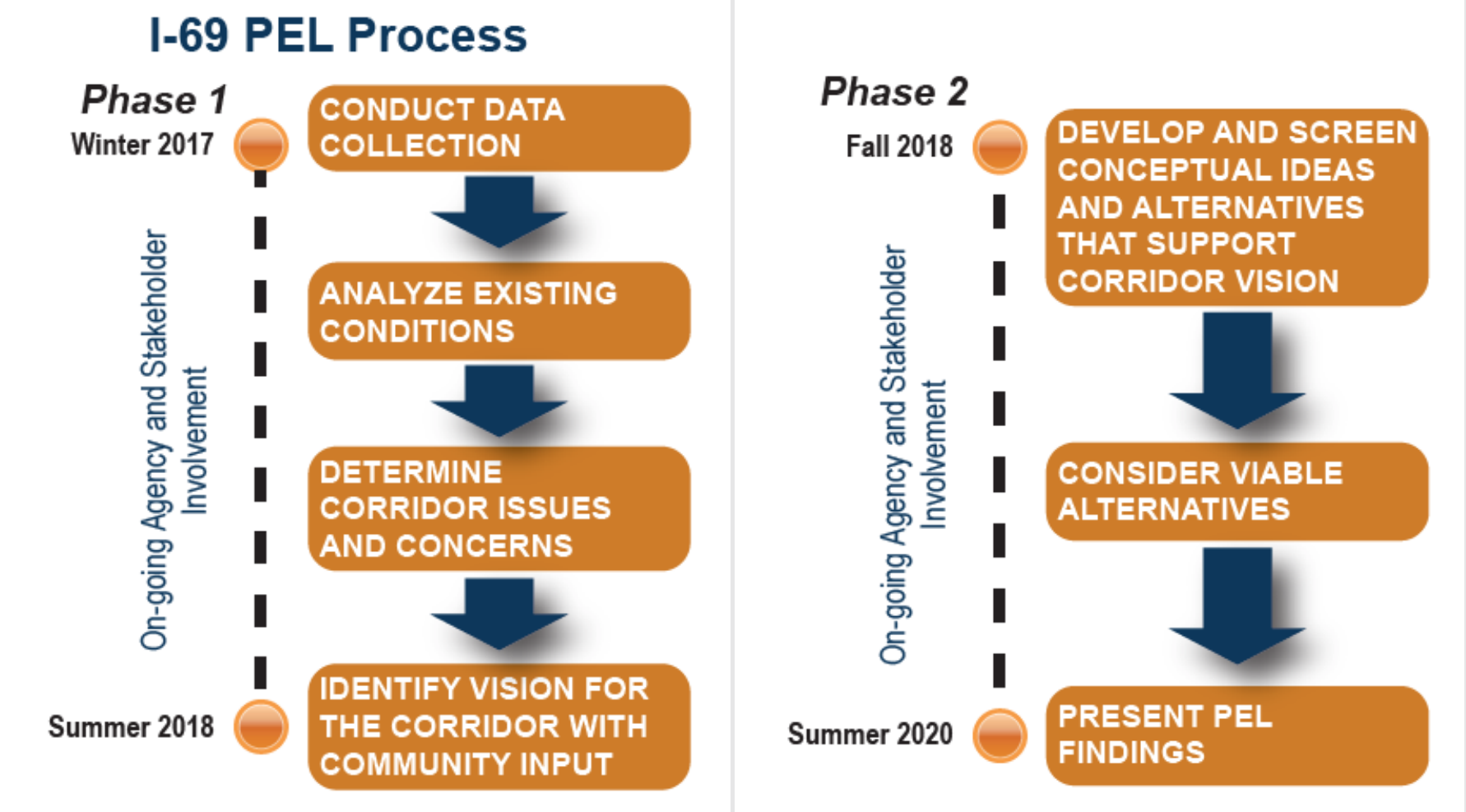
STUDY OVERVIEW



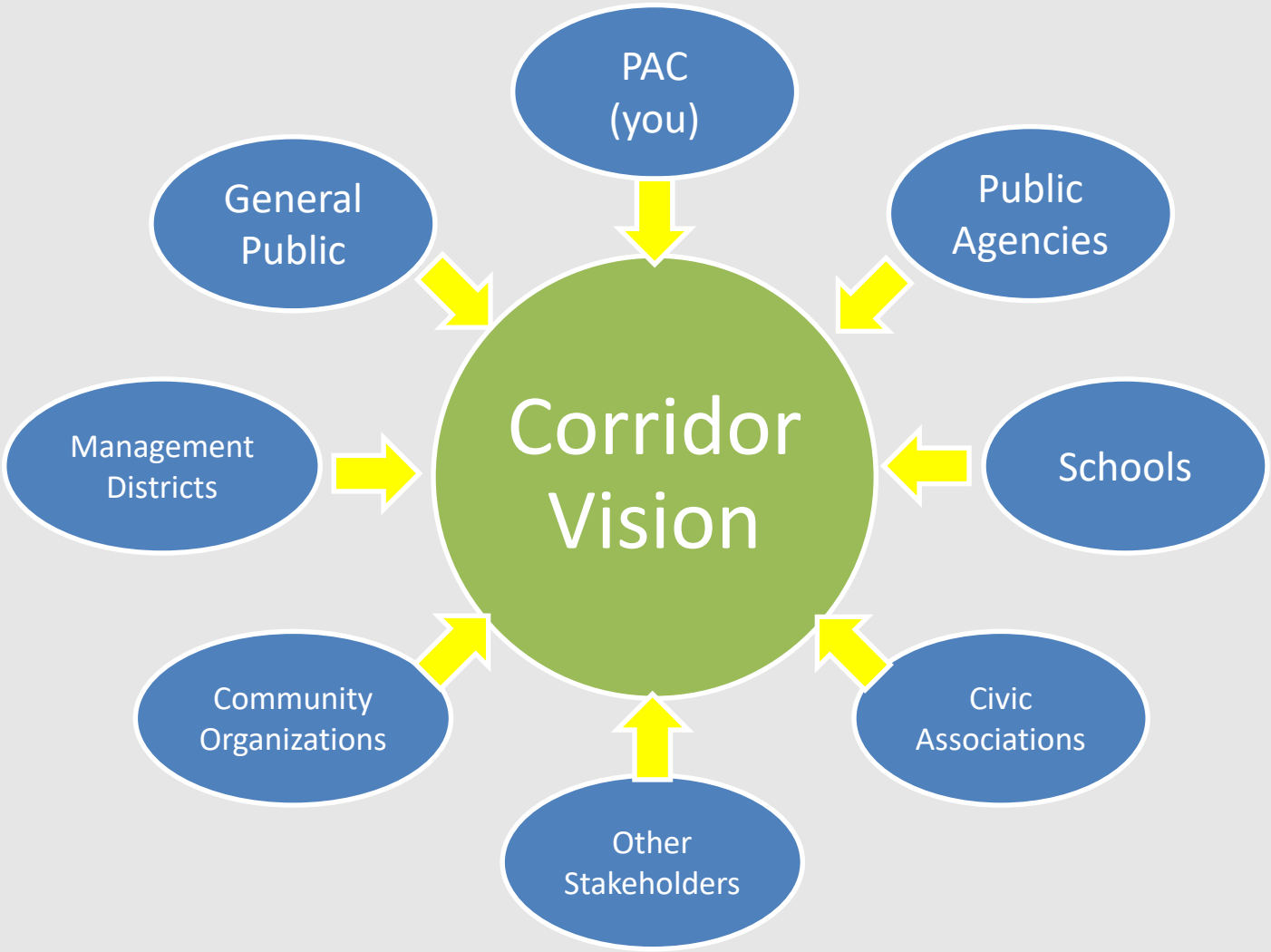
What is a PEL?

- ✓ "Planning and Environmental Linkages"
- ✓ A higher level approach to transportation decision-making
- ✓ Considers environmental issues early in the transportation planning process
- ✓ Utilizes planning decisions and analyses in later Environmental studies

STUDY OVERVIEW



AGENCY, STAKEHOLDERS AND PUBLIC MEETINGS



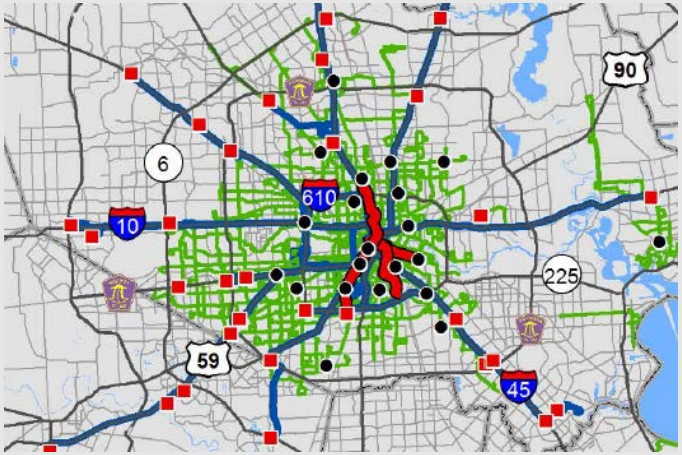
WHAT WILL THE PAC DO ?

- **Provide Input on the Corridor**
  - What issues should we cover ?
  - What locations should we pay particular attention to ?
  - What programs or projects should we be aware of ?
- **Assist with Public Outreach and Champion the Project**
- **Review Public Meeting Materials**
- **Provide Input on the Corridor Vision**

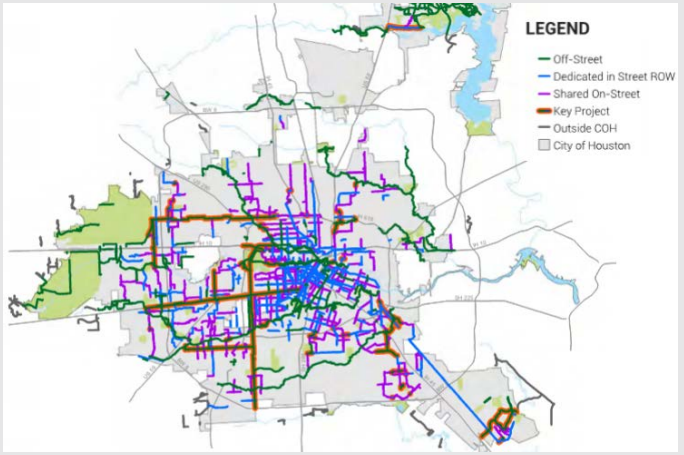
EXISTING CORRIDOR AND FUTURE DEMAND

- ✓Summary of Previous Studies
- ✓Data Collection – Engineering, Traffic, Environmental, Community
- ✓Corridor Demand Projections
- ✓Analysis Results

SUMMARY OF PREVIOUS STUDIES



Metro 2040

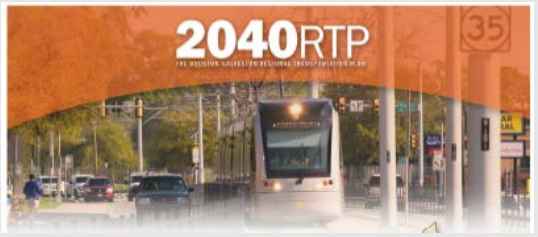


Houston Bike Plan

Improvement Summary	Benefits
• 32 ATM sign bridges • 4 full color matrix DMS • 36 detour DMS • 12 ramp meters • Staff for operations and maintenance	• Maximizes efficiency and capacity • Reduces impact of incidents and daily congestion • Increases safety by providing traveler information • 13% reduction in travel time during peak periods • 14-22% reduction in travel time during incidents

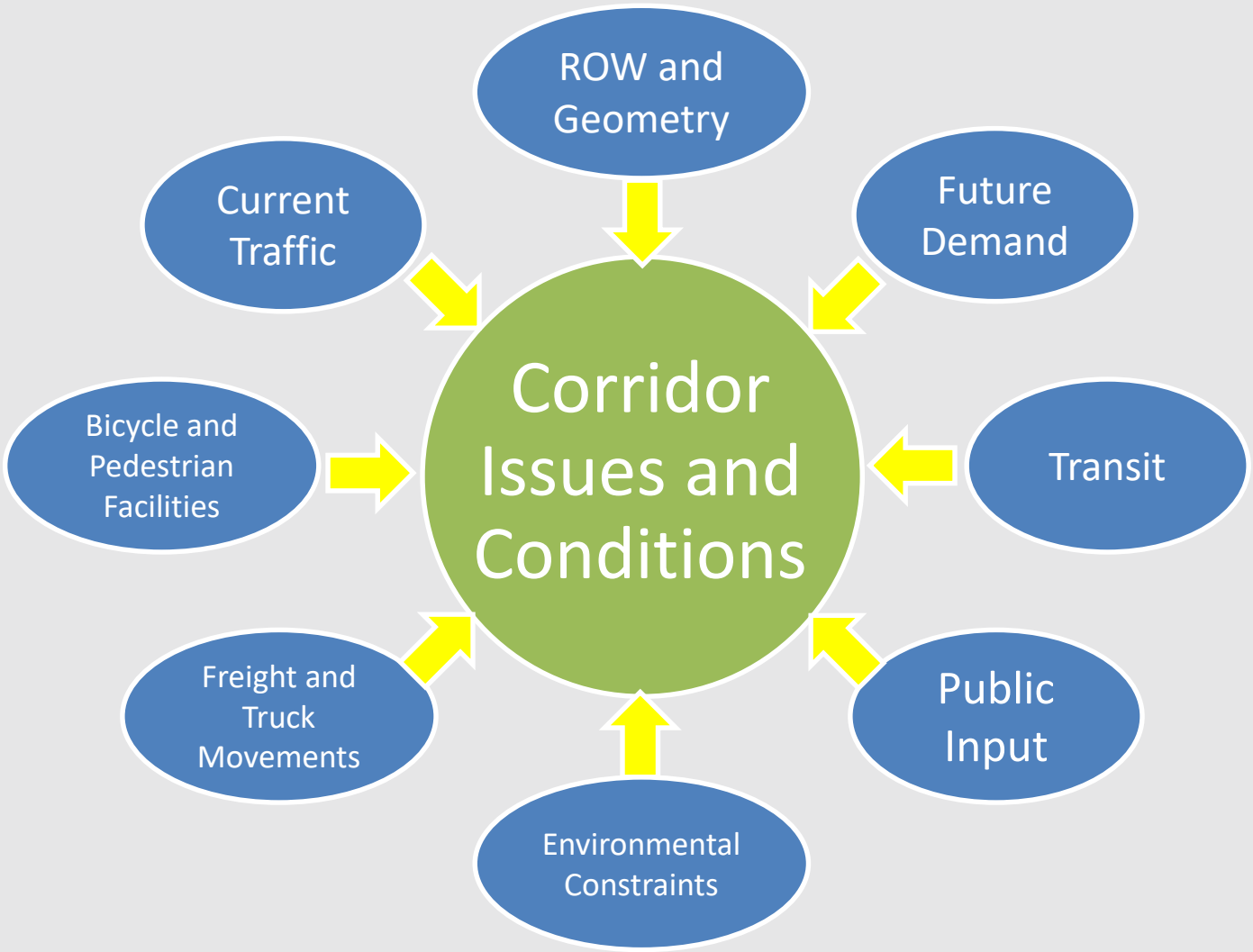
US 59/I-69 HGAC CONGESTION MITIGATION

NHHIP



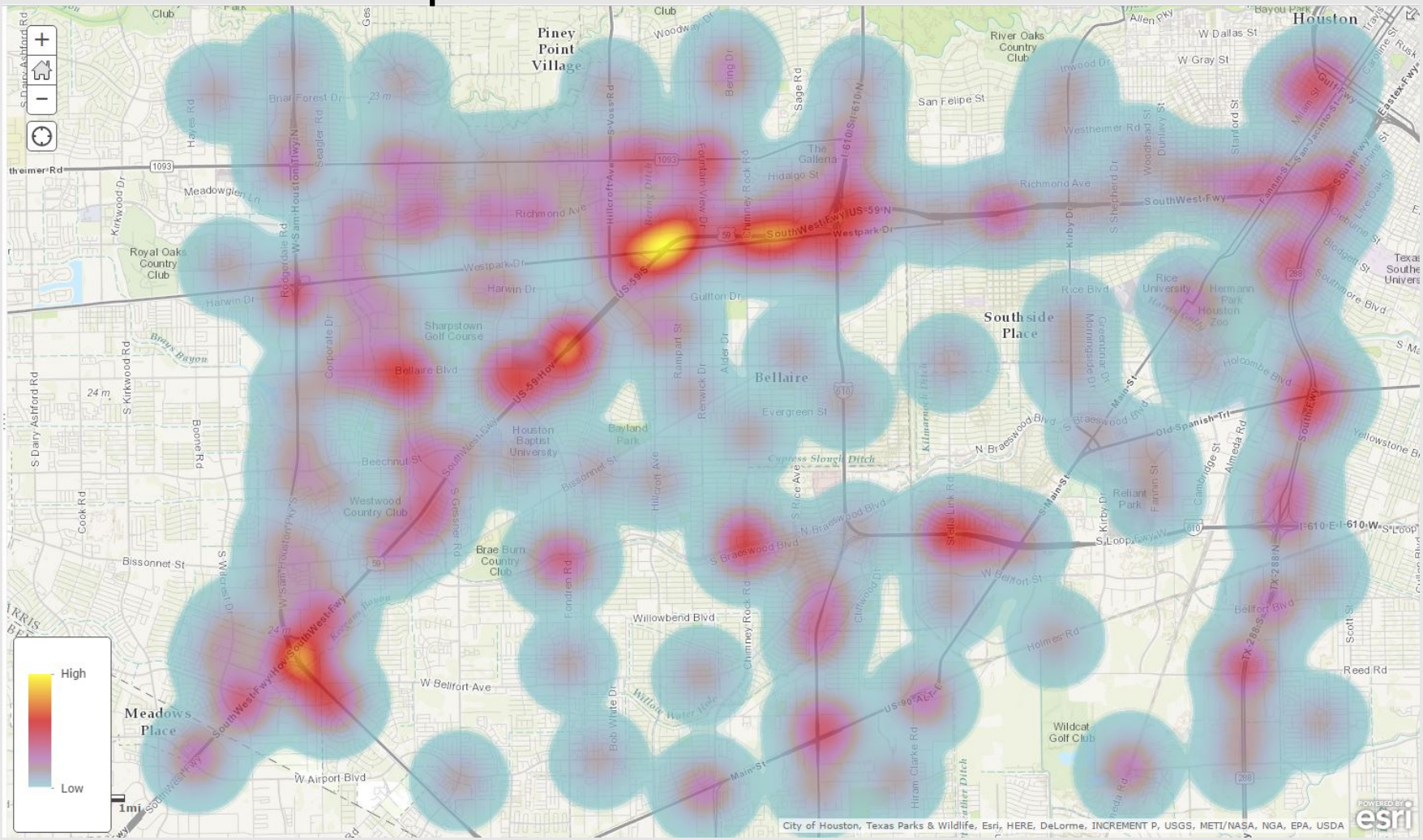
H-GAC 2040 RTP

DATA COLLECTION



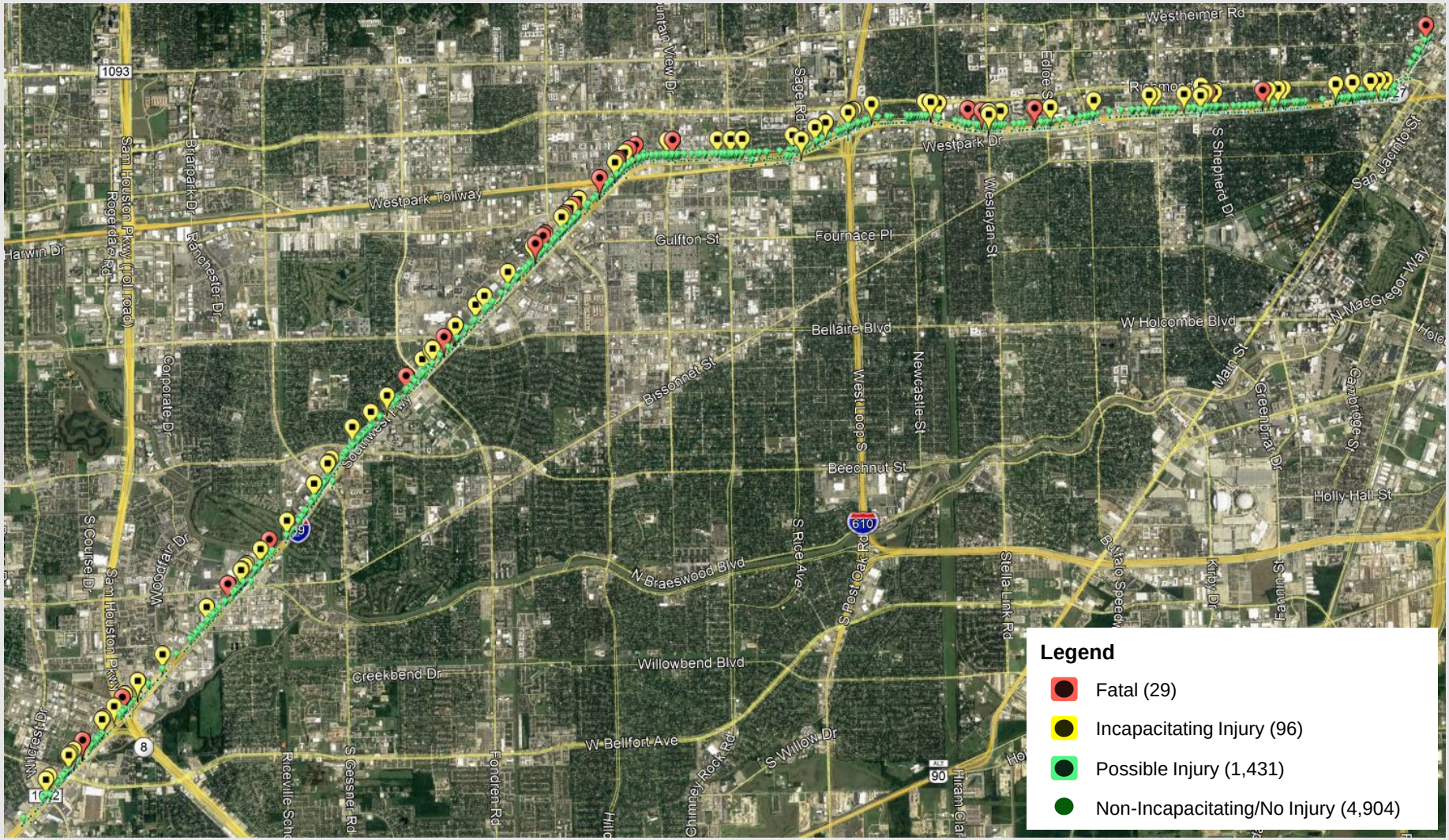
ROADWAY DATA COLLECTION- Crashes

Corridor Crash Hot Spots – 2015-2017



ROADWAY DATA COLLECTION- Crashes

Corridor Crash Data – 2015-2017



EXISTING TRAFFIC ANALYSIS RESULTS

Avg. Daily Traffic Counts

(151 locations – 24 Hours)

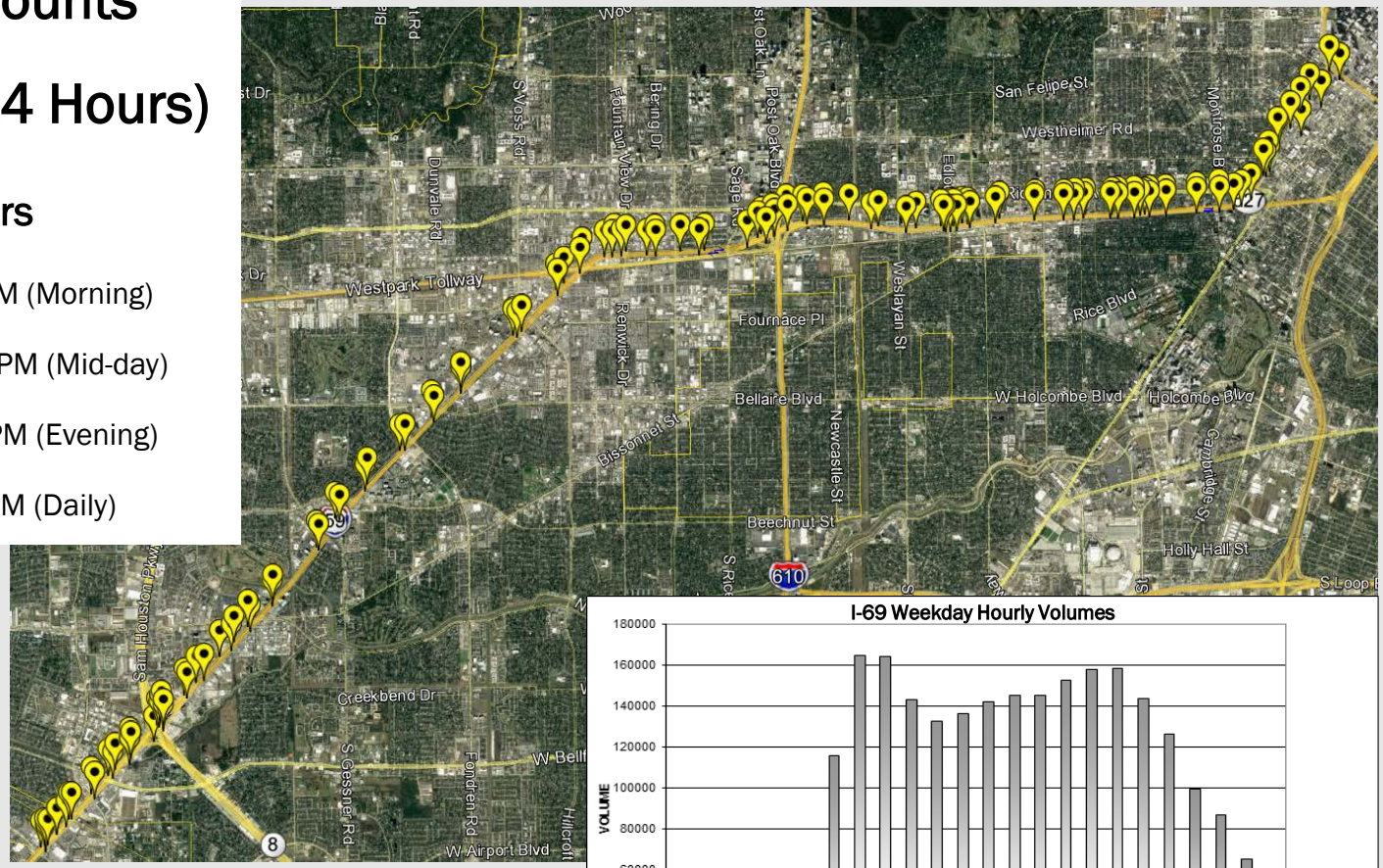
→ Study Area Peak Hours

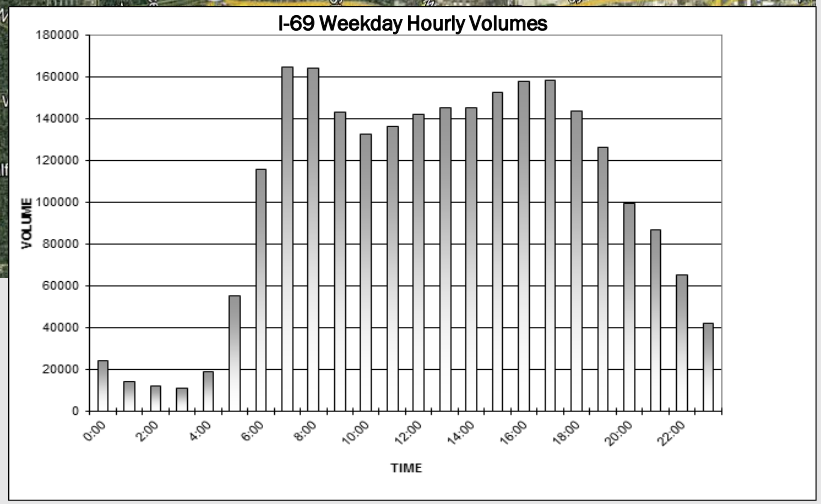
- Weekday: 7:30 – 8:30 AM (Morning)

  12:00 – 1:00 PM (Mid-day)

  4:30 – 5:30 PM (Evening)

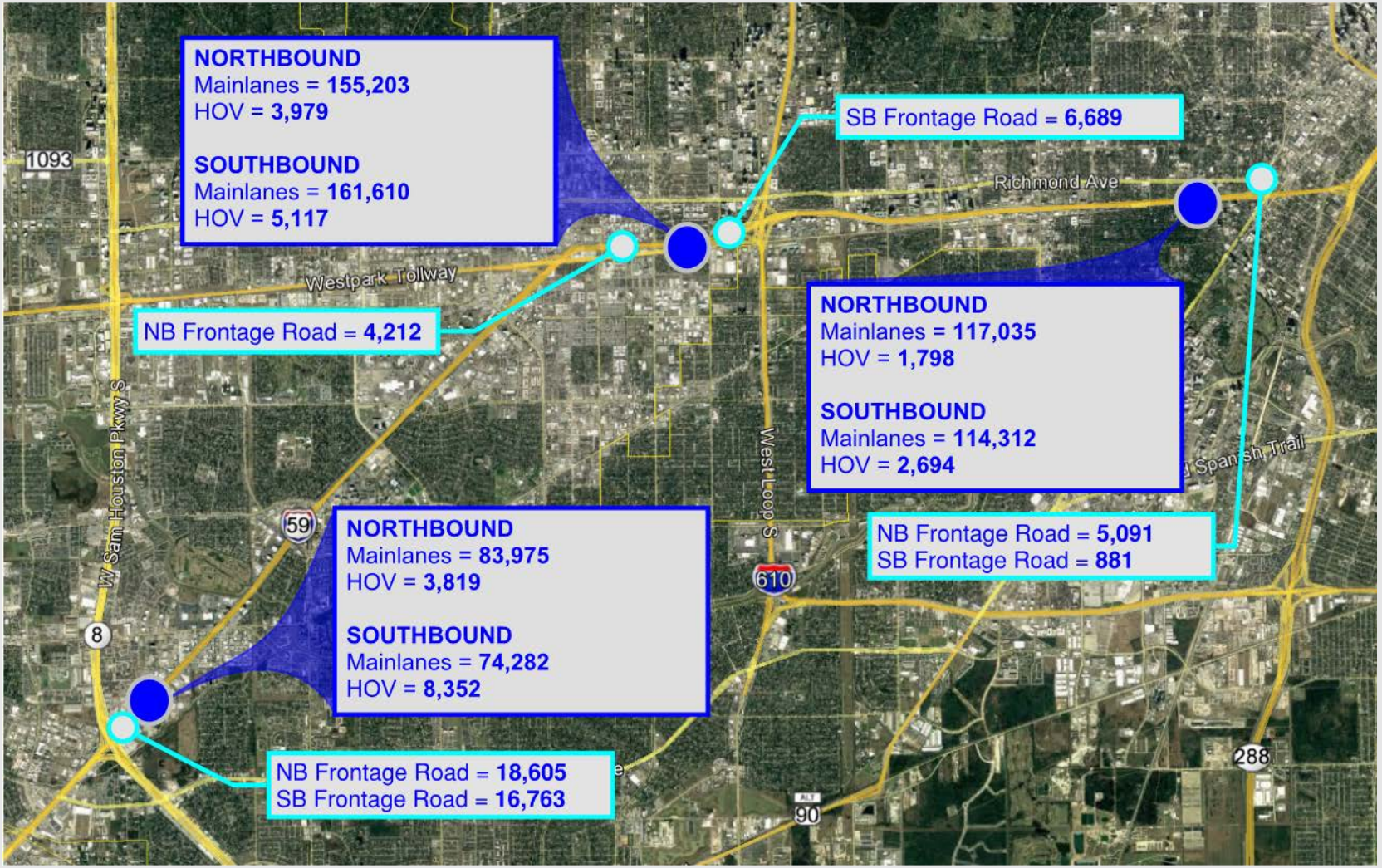
- Weekend: 2:00 – 3:00 PM (Daily)





EXISTING TRAFFIC ANALYSIS RESULTS

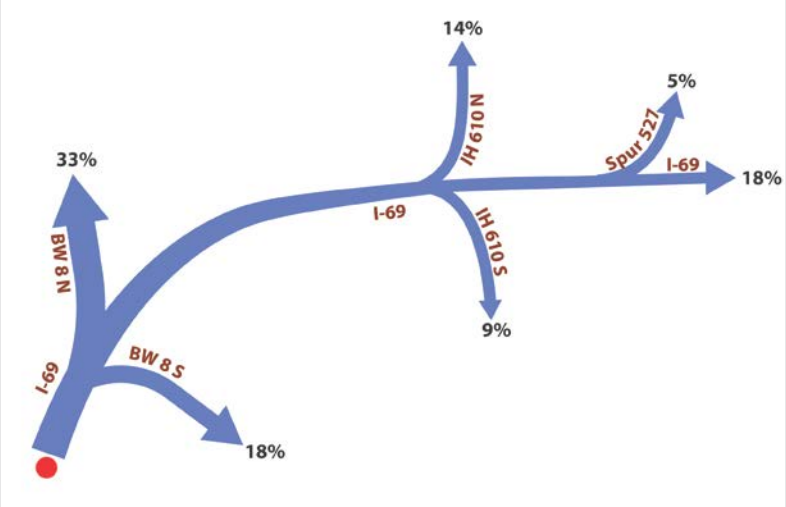
Avg. Daily Traffic Counts (I-69 Weekday Daily Volumes)



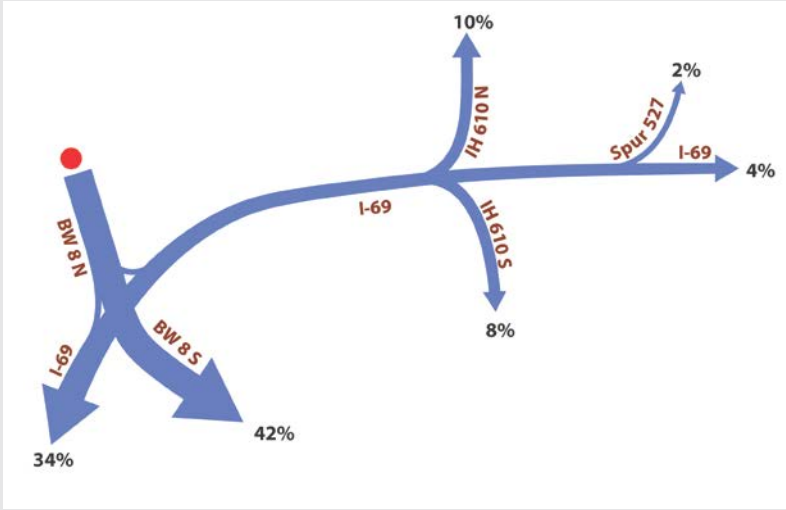
EXISTING TRAFFIC ANALYSIS RESULTS

Bluetooth Origin-Destinations

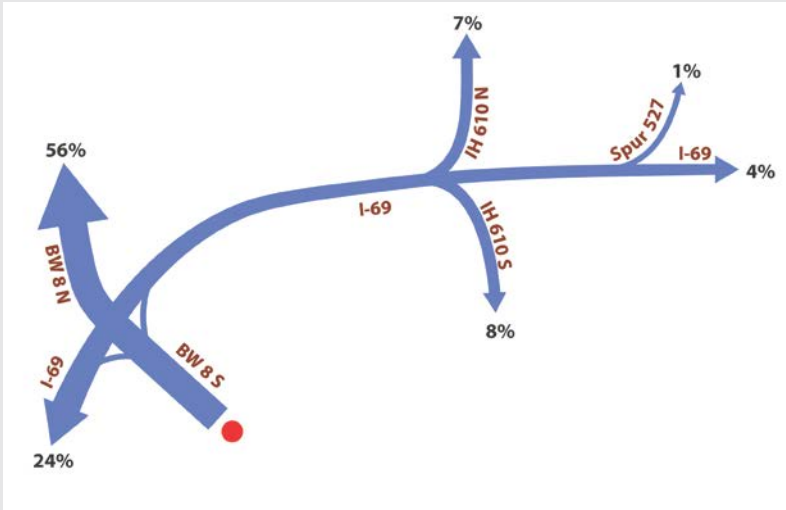
Destination from I-69 (South of BW 8)



Destination from BW 8 (North of I-69)



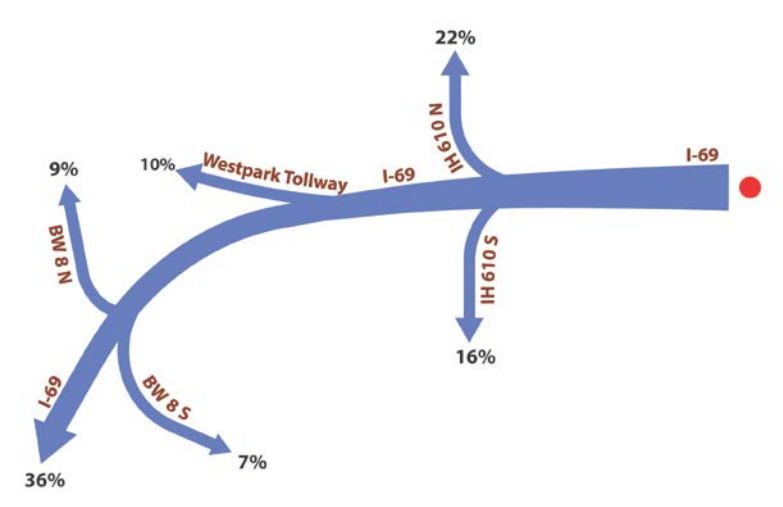
Destination from BW 8 (East of I-69)



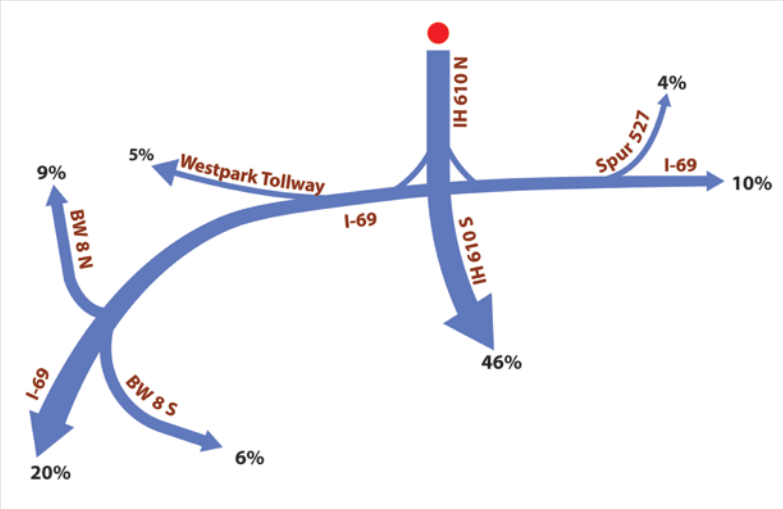
EXISTING TRAFFIC ANALYSIS RESULTS

Bluetooth Origin-Destinations

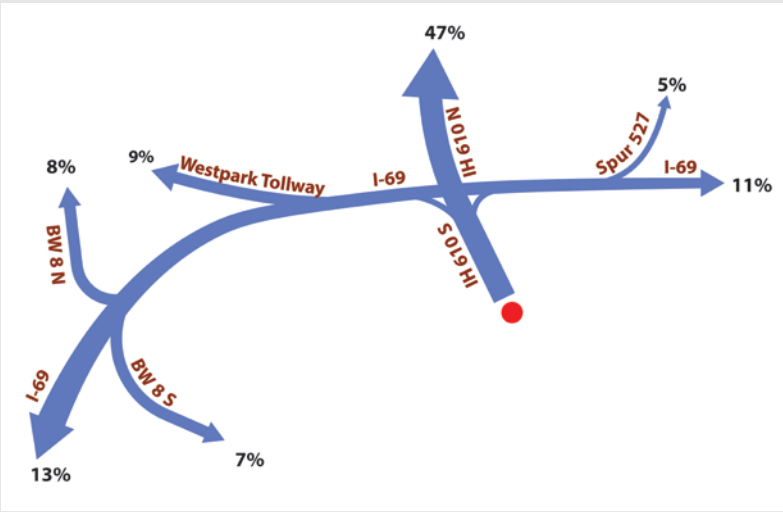
Destination from SH 288 (East of Spur 527)



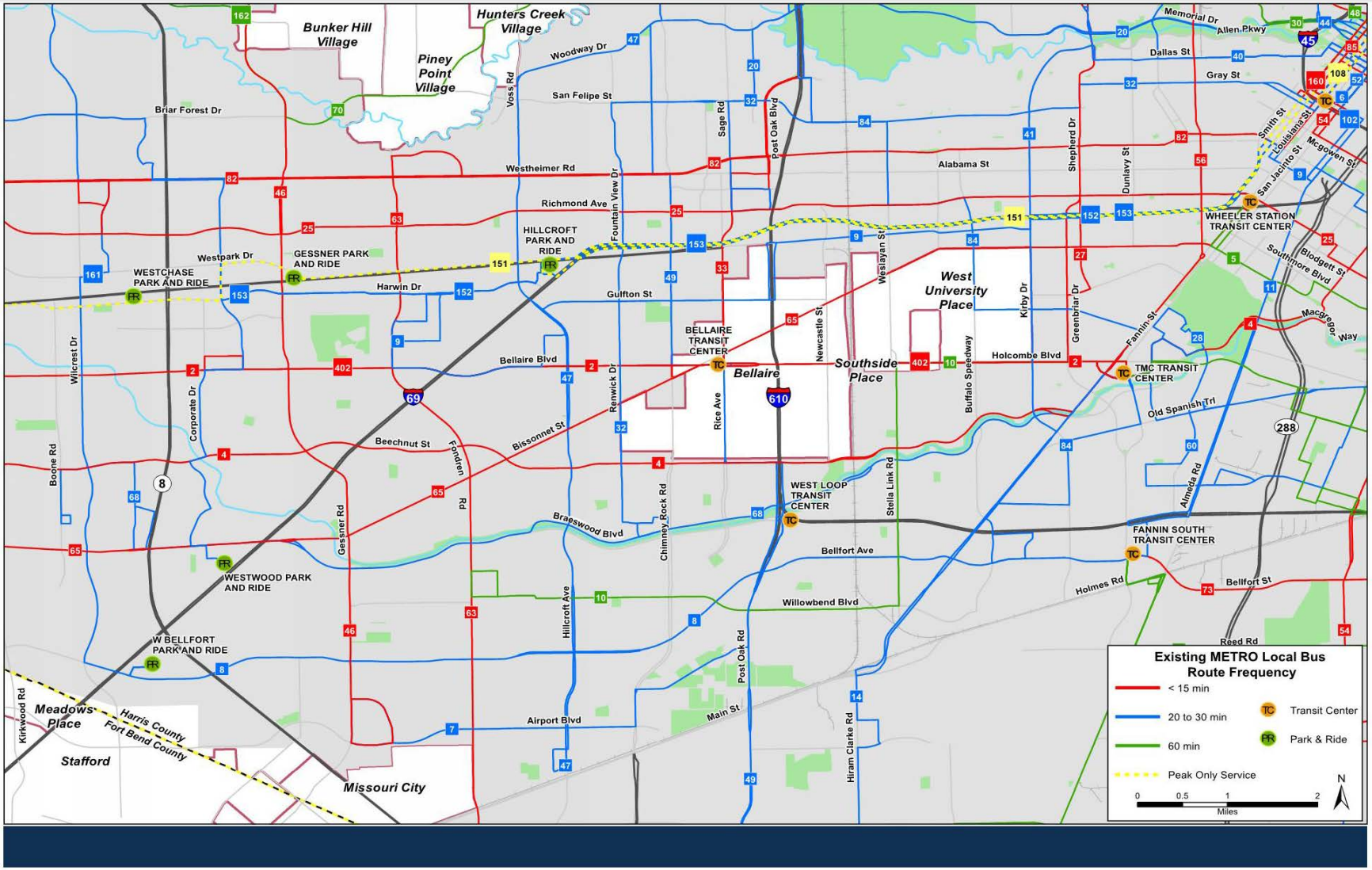
Destination from IH 610 (North of I-69)



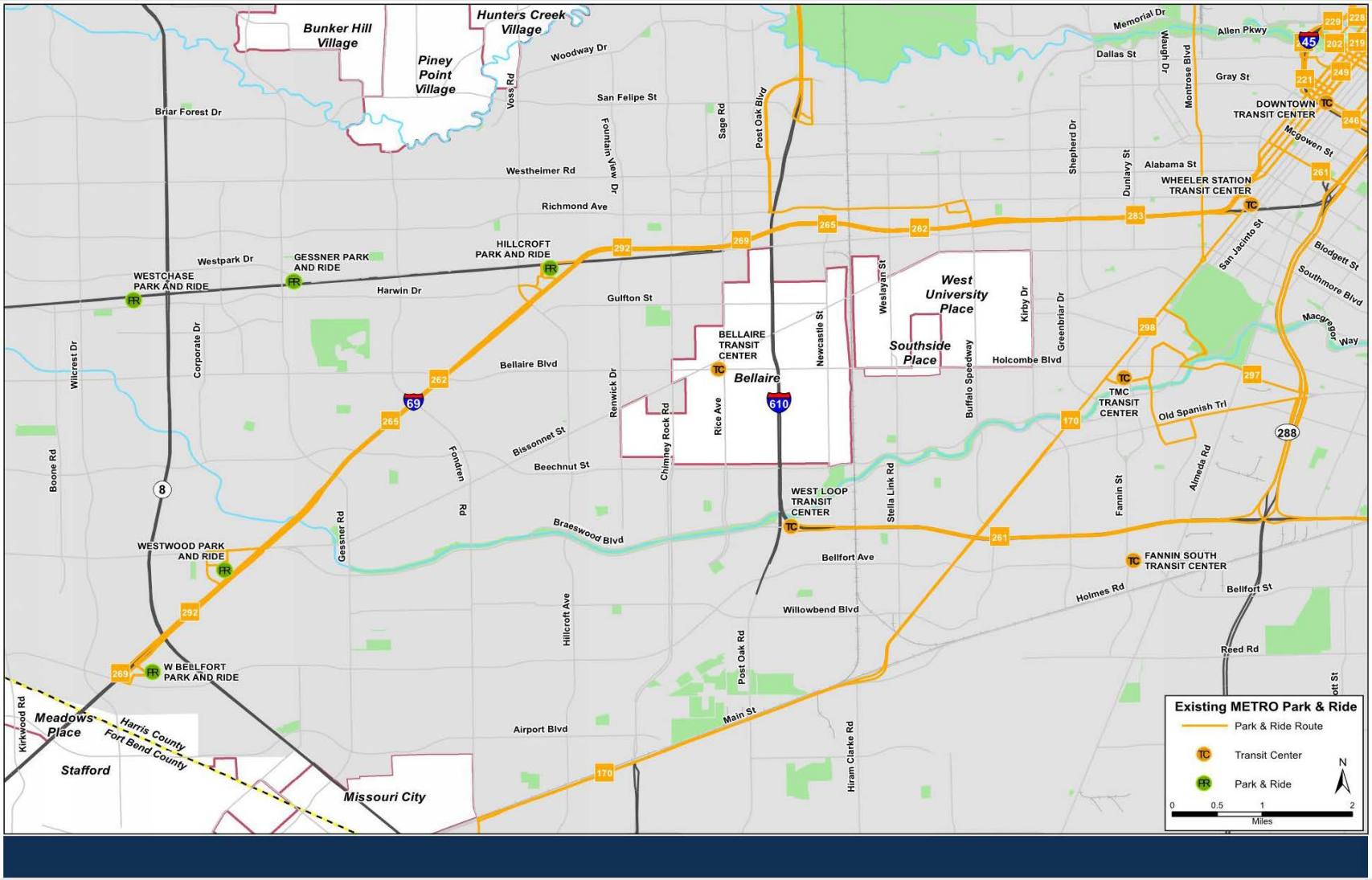
Destination from IH 610 (South of I-69)



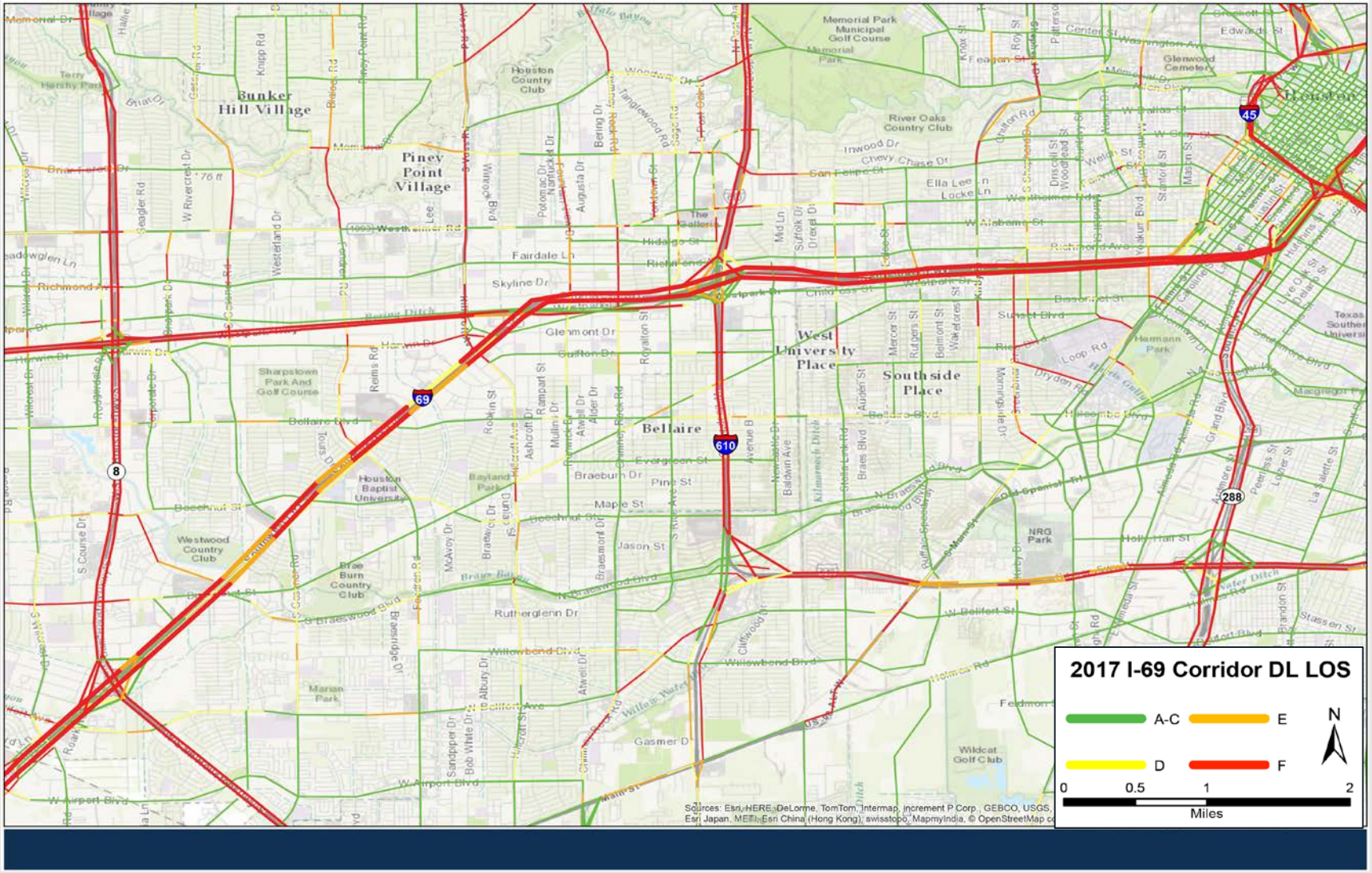
EXISTING TRANSIT – LOCAL ROUTES



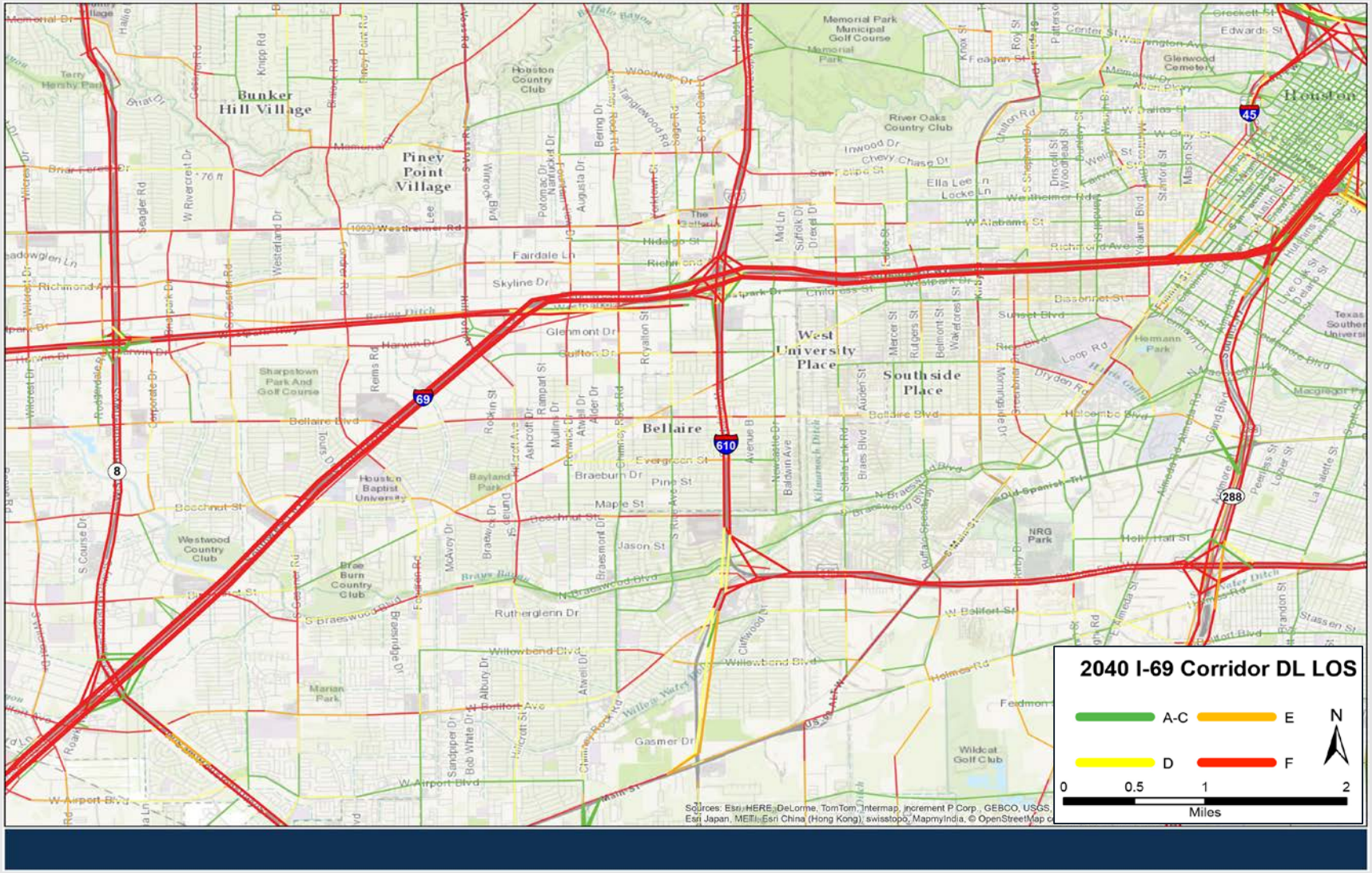
EXISTING TRANSIT – PARK & RIDE ROUTES



TRAVEL DEMAND MODELING - 2017



TRAVEL DEMAND MODELING - 2040



WHAT HAPPENS NEXT ?

Data Collection and Analysis

Input from PAC, Agencies, and Stakeholders

WE ARE HERE

Public Meeting #1

1st Qtr 2018

Input from PAC, Agencies, and Stakeholders

Public Meeting #2

4th Qtr 2018

Input from PAC, Agencies, and Stakeholders

Develop Corridor Vision

PROJECT PHASE 2

QUESTIONS AND DISCUSSION

- Please Fill Out the Survey
- Questions on Study or Process ?

WHO TO CONTACT ?

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