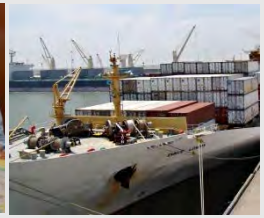
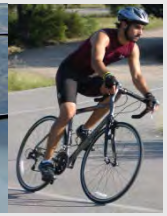
TEXAS DEPARTMENT OF TRANSPORTATION





SH 99
GRAND PARKWAY PROJECT

SEGMENTS H, I-1 AND I-2

Industry Workshop

August 21, 2014

Safety Moment

STATE HIGHWAY 99 GRAND PARKWAY H&I

Sign-in Sheet

Exit Locations

Gathering Point

Directions from Emergency Responders

Signal to Re-enter the Building or Go Home

CPR/First Aid Certified

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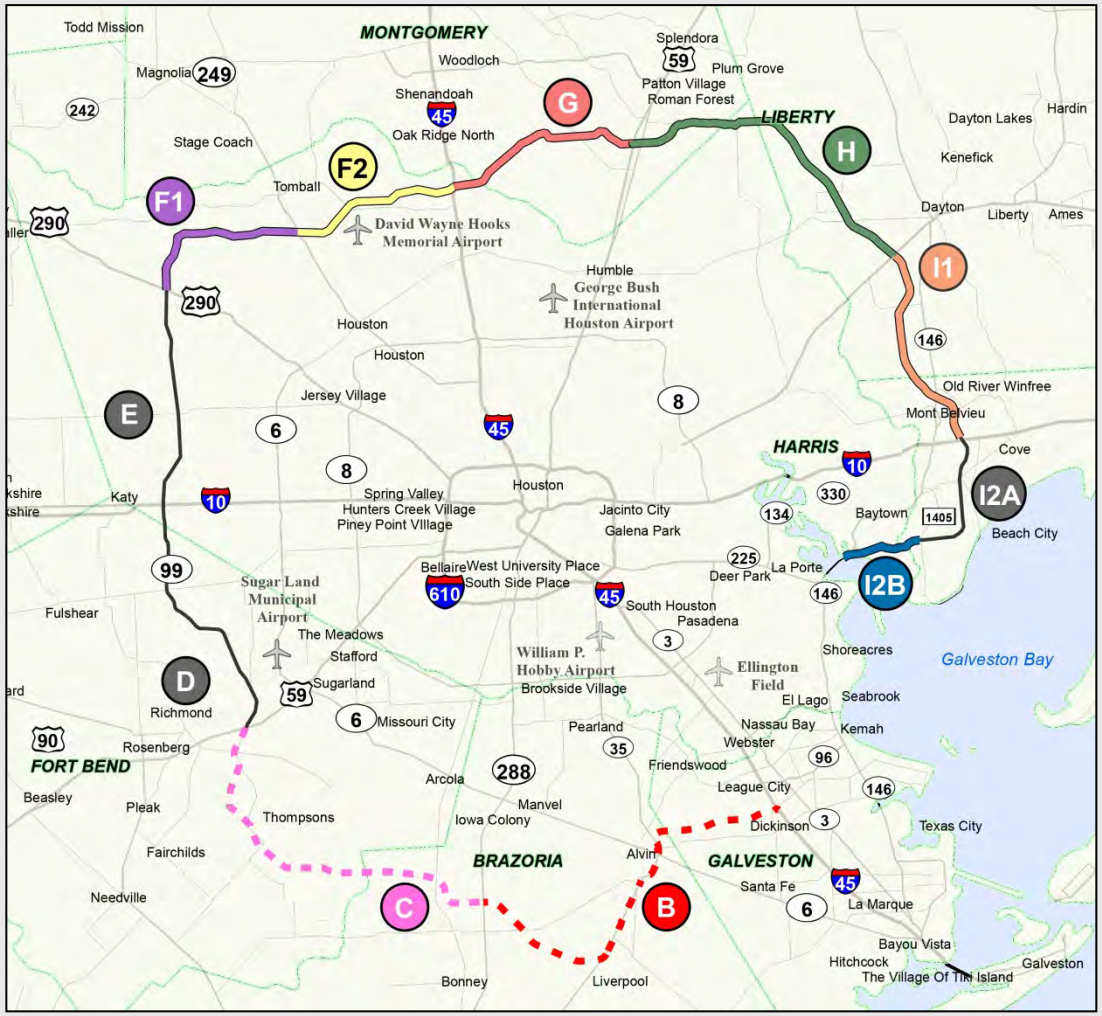
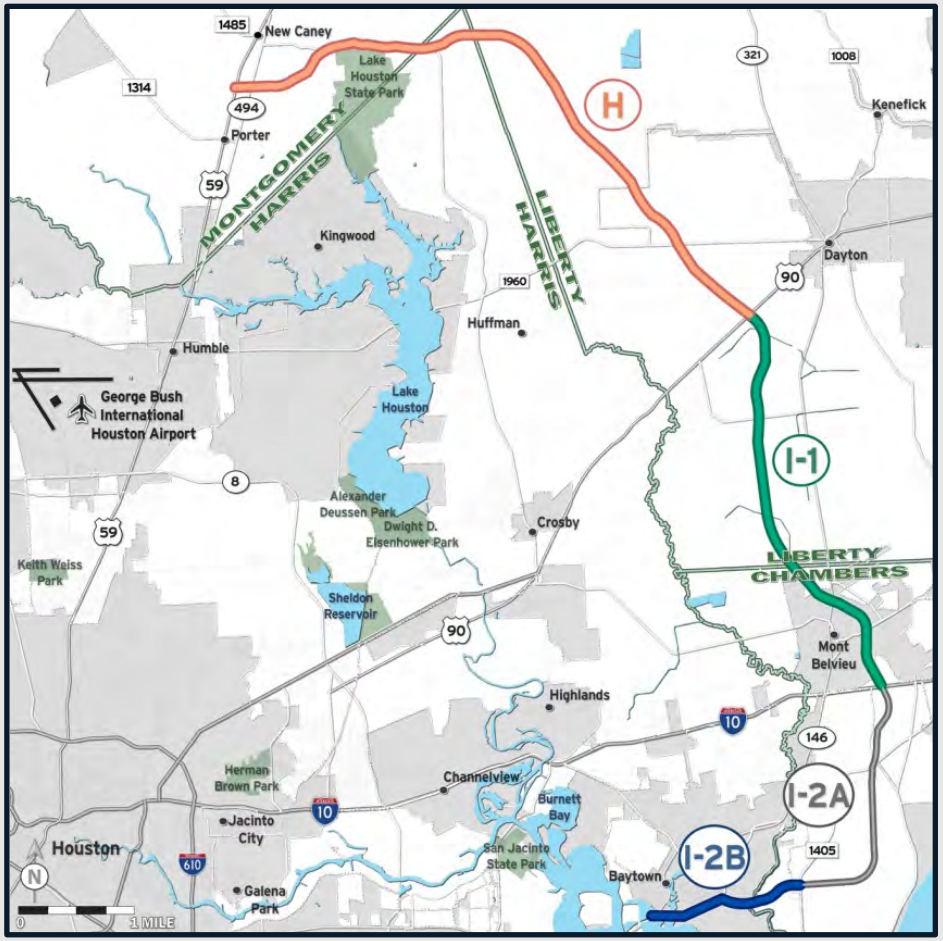
Grand Parkway - Overall



- Grand Parkway (SH 99)
  - 184 mile loop around greater Houston Area (3rd outer loop)
  - 11 segments traversing seven counties
  - Market Valuation Waiver Agreement (MVWA) with minimum scope requirements

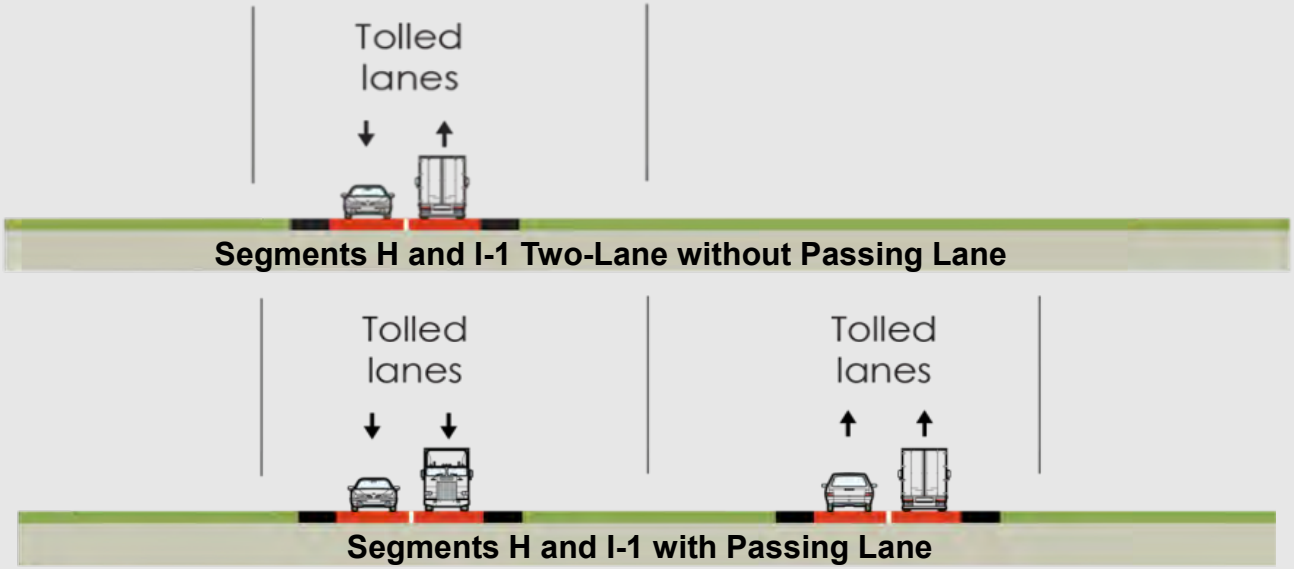
Project Description

- Grand Parkway Segments H, I-1 and I-2
  - Design- Build, New Location Tolled Facility
  - Montgomery, Harris, Liberty and Chambers Counties
  - Two TxDOT Districts
  - Construct initial project with future expansion to ultimate
  - No new Direct Connectors
  - Developer to maintain from ROW-to-ROW (COMA)
  - Limited frontage roads



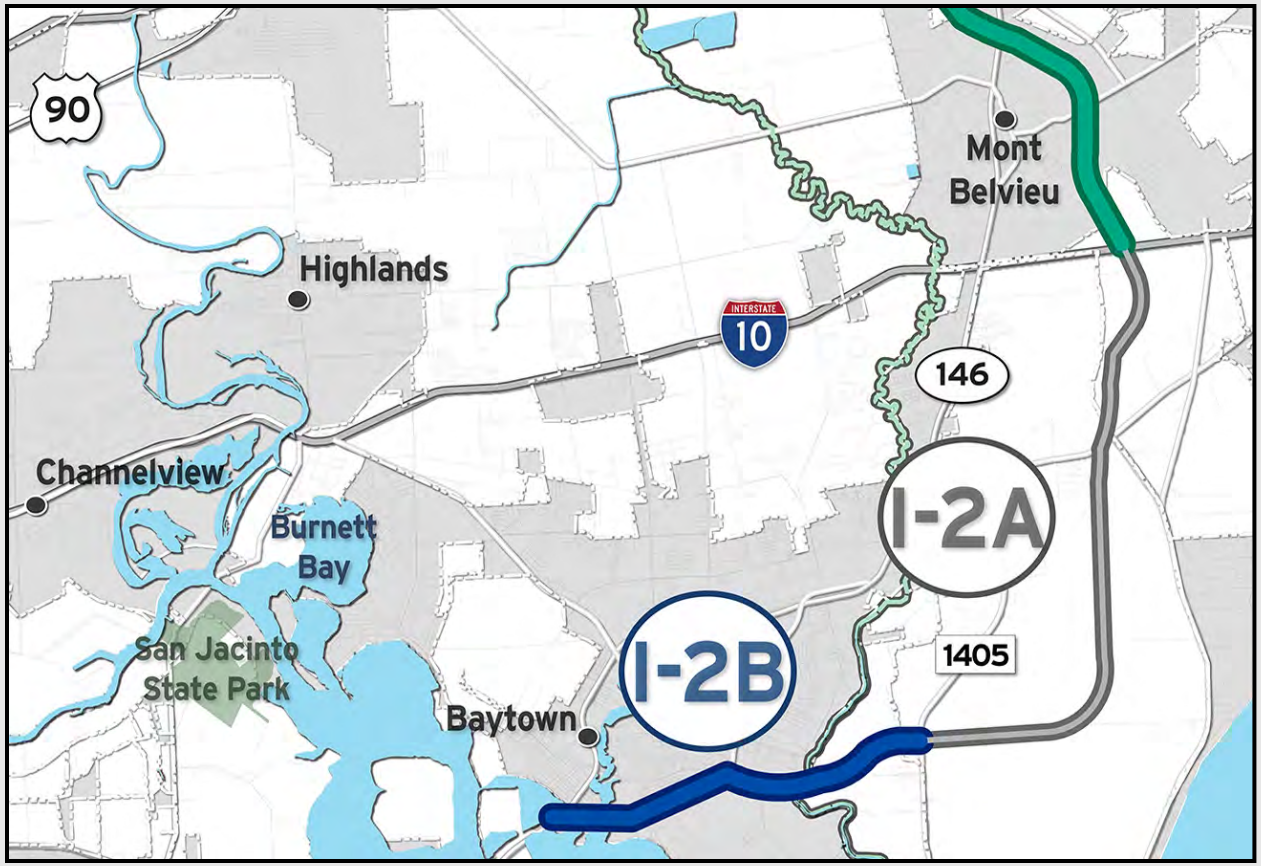
Project Description

- Segments H and I-1
  - Two lanes (one lane each way) with passing lanes areas
    - East of US 59/I-69
    - Between US 59/I-69 and US 90
    - At US 90
    - North of I-10
  - Passing lanes - minimum of 1.5 miles in length



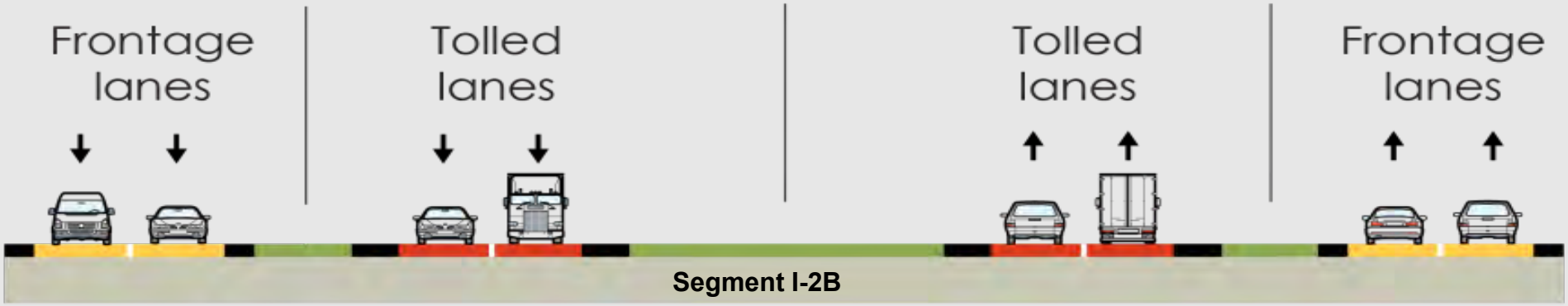
Project Description

- Segment I-2A
  - Existing four-lane tolled facility
  - No frontage Roads



Project Description

- Segment I-2B
  - Four-lane toll road
  - Existing at-grade roadway as frontage road
  - Widen existing bridge structures over Goose Creek for auxiliary lanes
  - Grade separations at:
    - Wyoming
    - Lee/Causeway
    - Wisner/UPRR
    - Bus 146
    - Tri-Cities Beach Rd
    - FM 1405



Scope of Work

- **Design-Build-Maintain Contract**
  - Design and construct initial two-lane tolled facility for Segments H and I-1
  - Limited frontage roads
  - Design and construct four-lane tolled facility for Segment I-2B
  - Grade separation at existing thoroughfares and provide for future locations
  - Design to provide for future connections to I-10 and US 59/I-69
  - TxDOT Houston District Green Ribbon Plan

STATE HIGHWAY 99 GRAND PARKWAY H&I

- **Maintenance**
  - Potential for mandatory term
  - ROW to ROW
  - Considering preventative, routine and capital
  - Incident management

Scope of Work

- **Right of Way and Utilities**
  - Design-Build contractor responsibility
  - TxDOT early acquisition of some strategic parcels

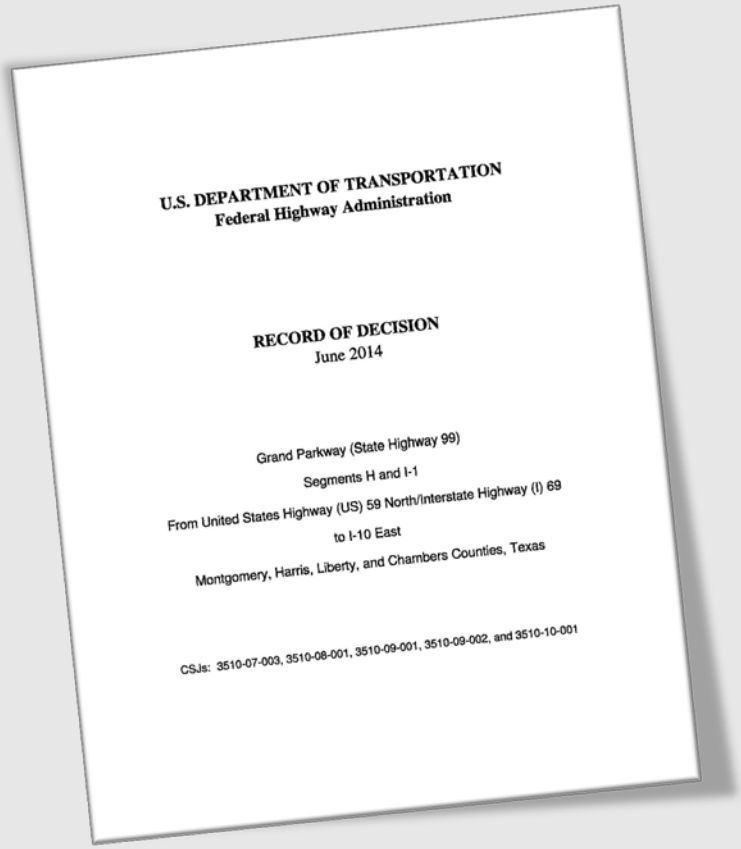
- **Environmental**
  - TxDOT to permit wetland and stream mitigation
  - Design-build contractor responsible for mitigation modifications based on final design

Toll Operations

- TxDOT to Operate facility
- Toll equipment by TxDOT Toll Systems Integrator
- Developer to install pavement at tolling zones

Environmental and Permitting

- Segments H and I-1
  - Record of Decision (ROD) signed by FHWA June 24, 2014
  - Preliminary Jurisdictional Determination (wetland and stream impacts) in review by USACE
  - TxDOT to obtain initial USACE permit for Segments H and I-1, anticipated July 2015
  - Re-evaluation underway north of Mont Belvieu



U.S. DEPARTMENT OF TRANSPORTATION
Federal Highway Administration

RECORD OF DECISION
June 2014

Grand Parkway (State Highway 99)
Segments H and I-1
From United States Highway (US) 59 North/Interstate Highway (I) 69
to I-10 East
Montgomery, Harris, Liberty, and Chambers Counties, Texas

CSJs: 3510-07-003, 3510-08-001, 3510-09-001, 3510-09-002, and 3510-10-001

Environmental and Permitting

Table 2-11: Environmental Impact Summary for the Recommended and Preferred Alternatives*

		Environmental Impact	Recommended Alternative 10	Preferred Alternative 10R
		Total Project Length (miles)	37	37
		Total Project ROW (acres)	1,813	1,933
Land Use		Commercial (acres)	6	7
		Agricultural (acres)	1,038	1,072
		Residential (acres)	138	130
		Government Building (ac)	0	2
		Churches (acres)	7	3
		Industrial (acres)	29	22
		Preliminary Platted (acres)	0	0
		Undeveloped Platted (acres)	0	0
		Managed Lands (acres)	0	11
		Other Undeveloped (acres)	535	537
		Visual and Potential Access Impacts (yes/no)	Yes	Yes
Natural Resources	Wetlands	Forested Wetlands (acres)	24	27
		Non-Forested Wetlands (acres)	17	16
		Agricultural wetlands (acres)	228	285
	Streams	Impaired Streams Impacted (number)	0	0
		Ecologically Significant Streams Crossed (number)	3	3
		Threatened and Endangered Species (number)	0	0
		Species of Concern (number)	0	0
		Wildlife Habitat (acres)	644	665
		Floodway (acres)	43	43
		100-Year Floodplain (acres)	159	158
		Prime Farmland (acres)	947	960
		Century Farms (acres)	0	0
Cultural Resources		Recorded Archaeological Sites (number)	0	0
		Archeological High Probability Areas (acres)	1,696	1,696
		Historic Resources (number)	1	1
		Cemeteries (number)	1	0
Noise		Representative Noise Impacts (number)	80	38
Socioeconomic/ EJ		Residential Displacements (number)	41	77
		Commercial Displacements (number)	5	19
		Churches Displaced (number)	2	1
		Changes in Community Cohesion (yes/no)	Yes	No
		Environmental Justice Issues (yes/no)	Yes	No
Water Wells		Public (number)	7	7
		Private (number)	3	0
HazMat		Regulated Sites (number)	10	9
		Oil Wells (number)	16	11
		Other Sites of Concern (number)	4	9

Source, Study Team, 2013

*The values within this table have been updated to reflect the analysis impacts discussed in Chapter 4

- Segment I-2
  - ROD signed by FHWA on August 12, 1998, re-evaluation approved October 9, 2012
  - TxDOT to obtain initial USACE permit for Segment I-2, anticipated about May 2015
  - TxDOT to obtain USCG permit for widening Goose Creek, anticipated about March 2015

Investigations

- Surveying
  - Aerial photographs
    - Available from Grand Parkway Association website link: http://www.grandpky.com/segments/h/
    - Aerial flight Fall 2013
    - Limited on-ground surveying
    - Rights-of-entry have been limited

- Subsurface Utility Investigations
  - Level D is complete with Level C in some areas
    - Rights-of-entry have been limited
  - Available information posted on Project Website RID

Investigations

- Geotechnical Investigations
  - Segment I-2 report posted in RID
  - Preliminary H and I-1 report posted in RID
  - No additional geotechnical investigations anticipated
- Right of Way
  - Preliminary ROW identified on diagrammatics and schematics
  - Preliminary mapping files anticipated in approximately six months

Third Party Items

- Union Pacific Railroad
  - Overpasses at six locations

- Private Railroads
  - Potential overpasses at three spurs
  - Spurs contain multiple tracks

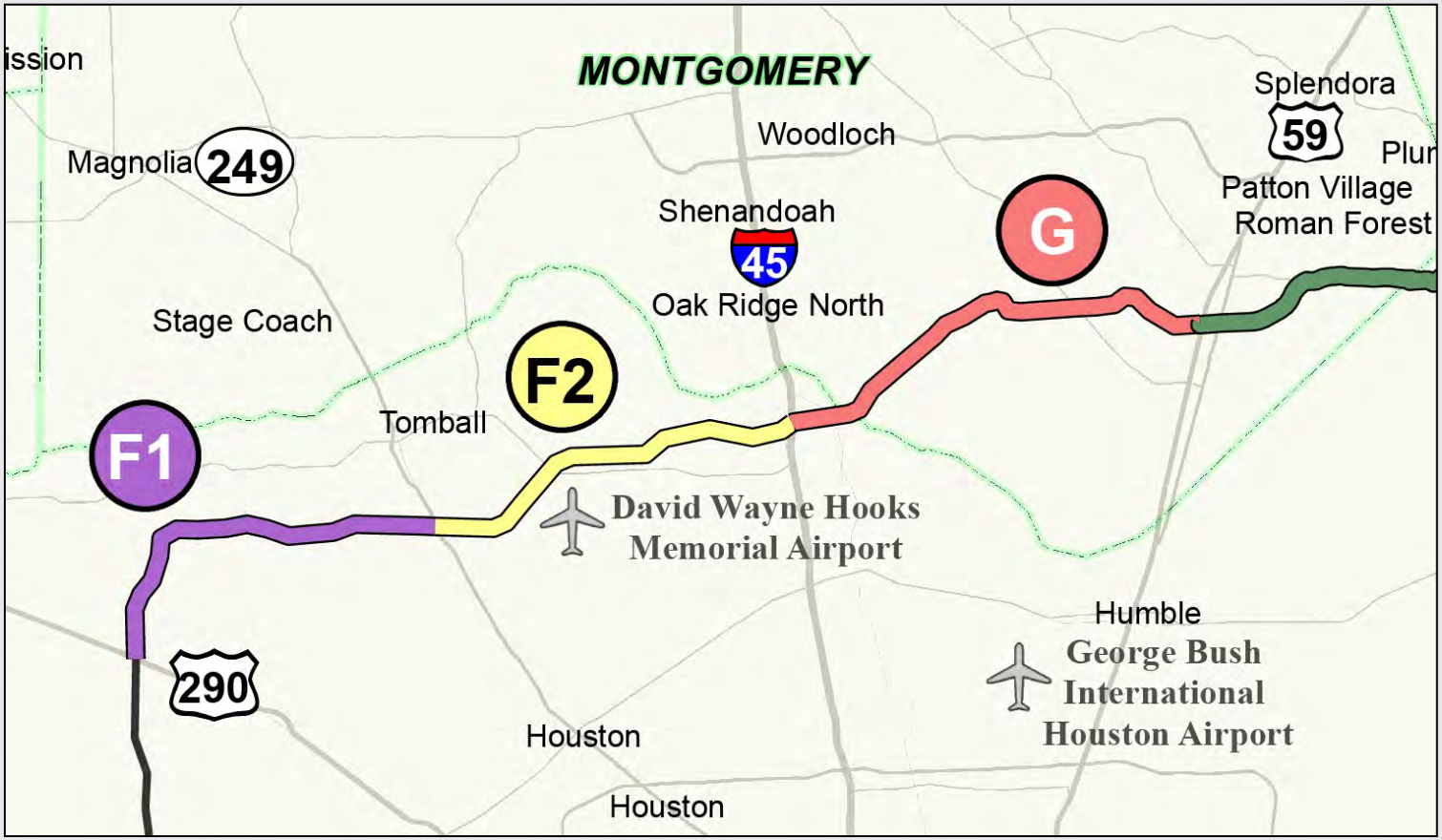
- ExxonMobil
  - Planned expansion underway

- Pipelines/Oil & Gas
  - Many pipelines, particularly around Mont Belvieu area
  - Industrial complexes with multiple oil & gas companies

- Counties
  - Four potential future thoroughfare at-grade crossings

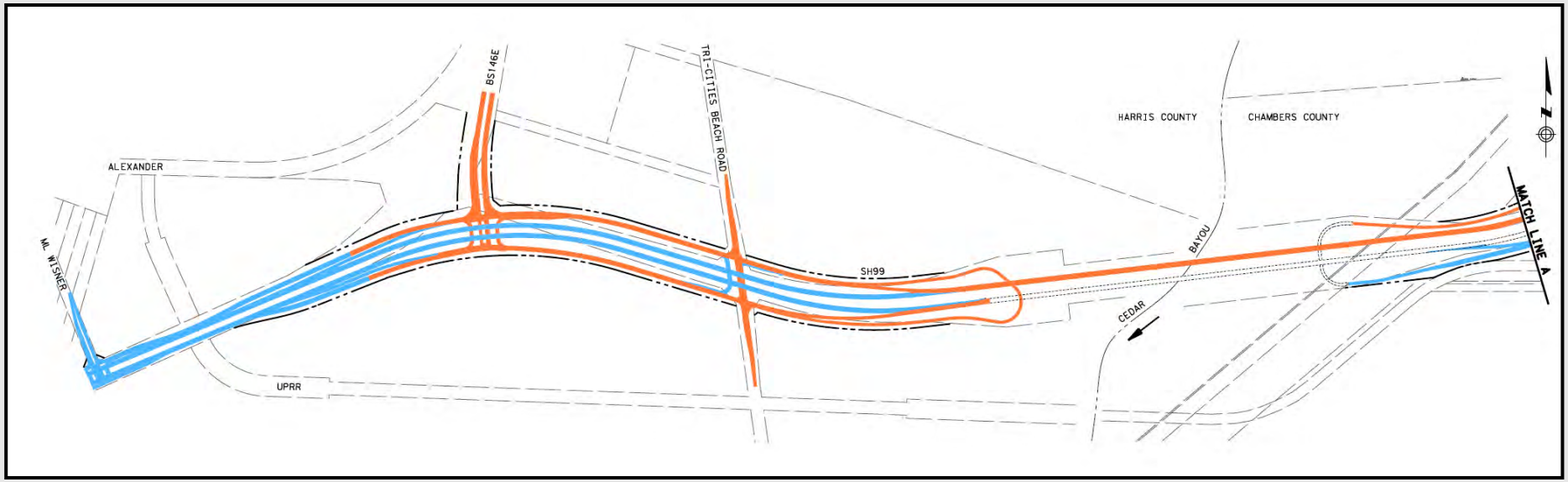
On-Going Projects

1. Segments F1, F2 and G are currently under a design-build contract with estimated completion date of December 2015



On-Going Projects

2. Project let July 2014 to:
   - Reconstruct at-grade road from BS 146E to FM 1405 to serve as frontage roads for this project
   - Provide an additional bridge at Cedar Bayou
   - Expected to be open to traffic by January 2018



Funding

- State Funds
  - Pre-development activities, including strategic right-of-way acquisition, from previous Grand Parkway bonds
- Bond Proceeds
  - TxDOT toll revenue bonds
- TIFIA Loan
  - TIFIA application process underway

Submittal

Qualifications & Experience

- Experience on Comparable Projects
- Management Team and Key Personnel
- Likelihood of Success
- DBE Participation

Technical Approach

- Understanding the Scope
- Understanding the Risk

Safety

- Fatal Injury Rate
- Incidence Rate of injury and illness cases
- Experience modifier (NCCI)

Submittal

Design- Build Contractor Responsibilities

- Monitor the Project Website
- Responses to questions posed at this workshop are considered to be on an informational basis and are not binding on TxDOT

TxDOT

- Post to Project Website
  - Addenda to RFQ
  - Responses to Questions
  - Updates to Project Documents

http://www.txdot.gov/business/partnerships/current-cda/sh99-grand-parkway/99hi-rfq.html

Submittal

Proposers are responsible for ensuring QS submittals are delivered by hand or courier by:

12:00 P.M. CDT, September 18, 2014

Any QSs received after the above date and time will be rejected.

Attn: Dieter Billek, P.E.
Texas Department of Transportation
7600 Chevy Chase Drive, Building 2, Suite 400
Austin, Texas 78752

Submittal

Months	July	August	September	October
July 31, 2014 Issue Request for Qualifications	▲			
August 21, 2014 (11 am CDT) Industry Workshop		▲		
September 5, 2014 Last Day for Proposer Questions			▲	
September 18, 2014 (12 pm CDT) QS Due Date			▲	
October 30, 2014 Short List Announced				▲

Conclusion

The process for official questions and answers remains as given in the RFQ via e-mail.

E-mail address:

TxDOT-HOU-PPP-GrandParkway-SegH&I@txdot.gov

QUESTIONS