



# SH 99 GRAND PARKWAY PROJECT SEGMENTS H, I-1 AND I-2

Industry Workshop





**Sign-in Sheet**

**Exit Locations**

**Gathering Point**

**Directions from Emergency Responders**

**Signal to Re-enter the Building or Go Home**

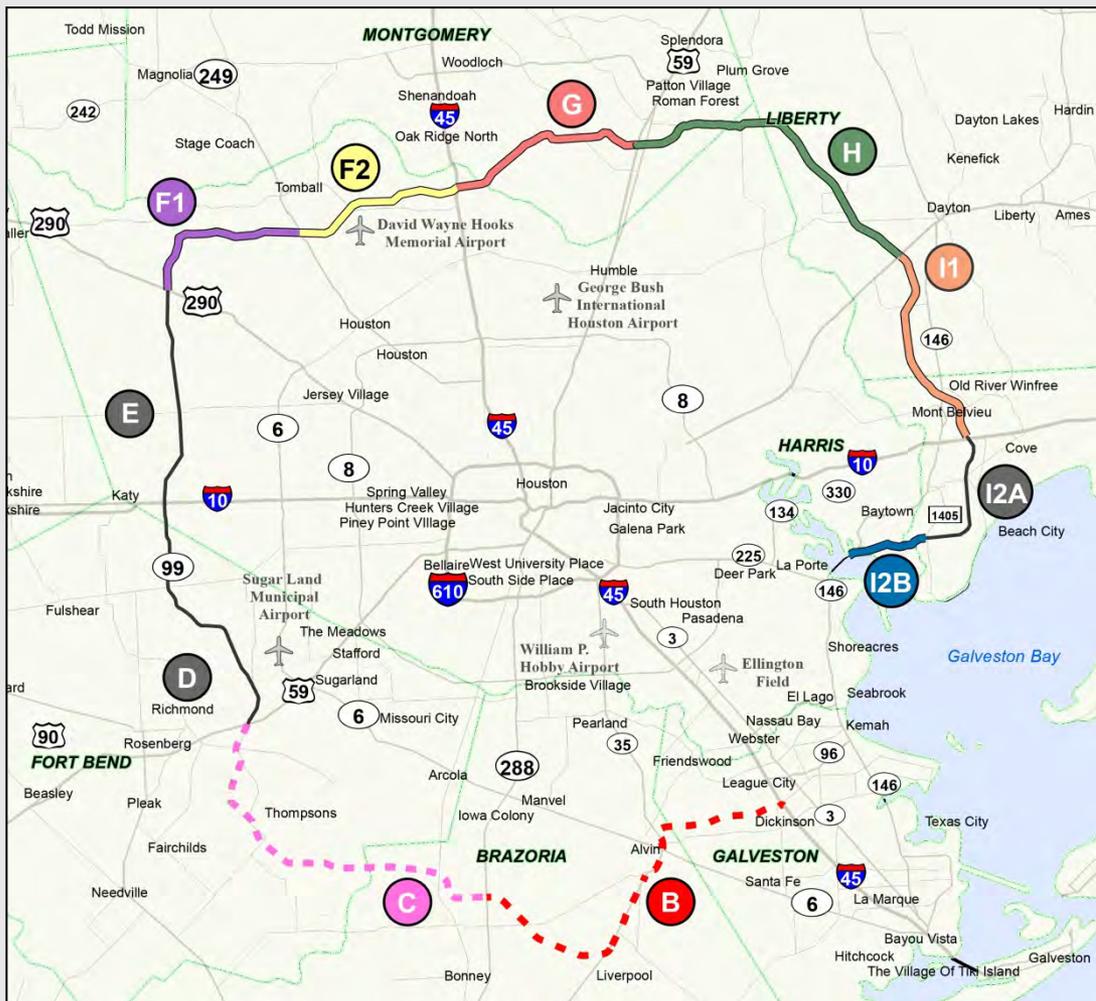
**CPR/First Aid Certified**



# Table of Contents

1	Project Description	5-8
2	Scope of Work	9-10
3	Toll Operations	11
4	Environmental and Permitting	12-13
5	Investigations	14-15
6	Third Party Items	16
7	On-Going Projects	17-18
8	Funding	19
9	Submittal	20-23
10	Conclusion	24

# Grand Parkway - Overall

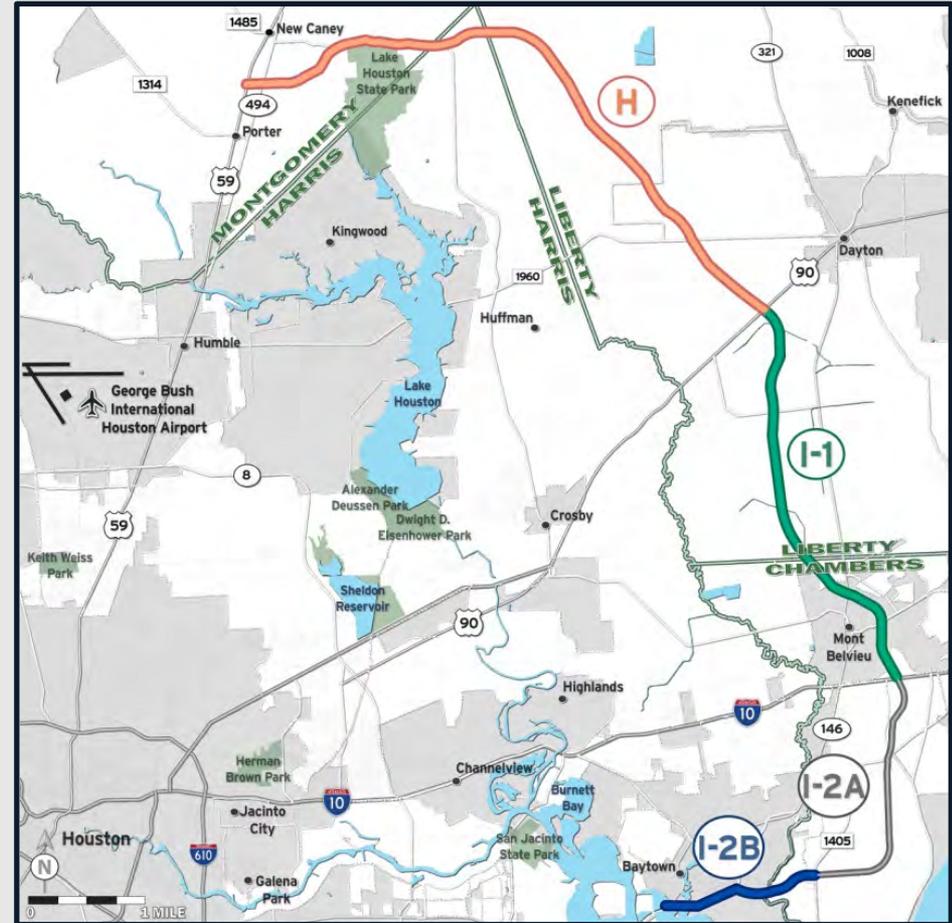


- Grand Parkway (SH 99)
  - 184 mile loop around greater Houston Area (3rd outer loop)
  - 11 segments traversing seven counties
  - Market Valuation Waiver Agreement (MVWA) with minimum scope requirements

# Project Description

## ■ Grand Parkway Segments H, I-1 and I-2

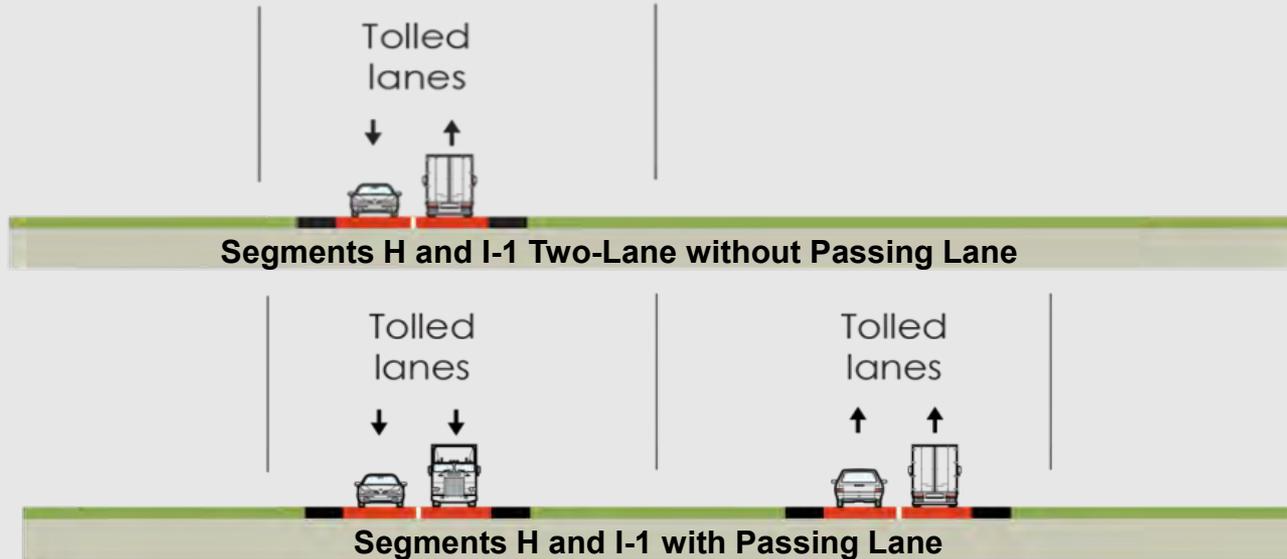
- Design- Build, New Location Tolled Facility
- Montgomery, Harris, Liberty and Chambers Counties
- Two TxDOT Districts
- Construct initial project with future expansion to ultimate
- No new Direct Connectors
- Developer to maintain from ROW-to-ROW (COMA)
- Limited frontage roads



# Project Description

## ■ Segments H and I-1

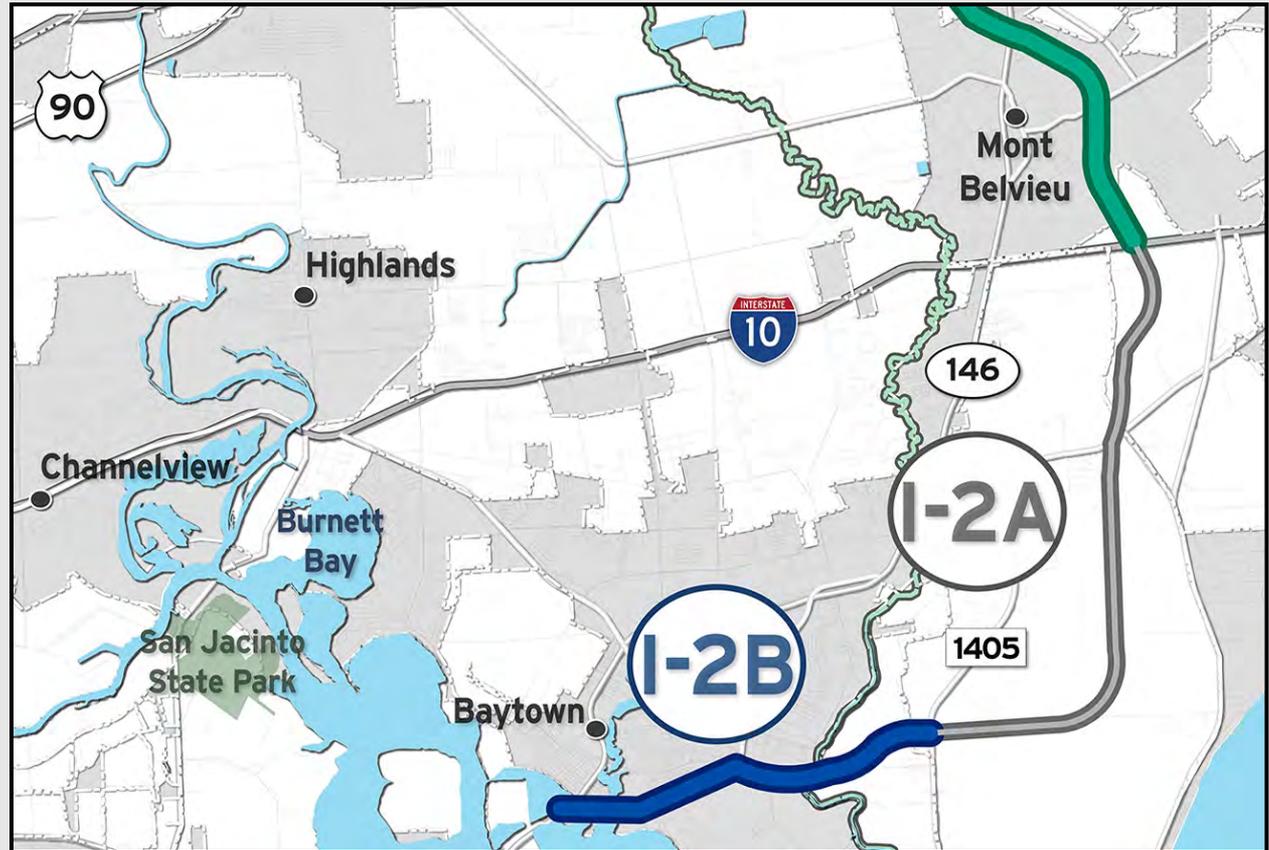
- Two lanes (one lane each way) with passing lanes areas
  - East of US 59/I-69
  - Between US 59/I-69 and US 90
  - At US 90
  - North of I-10
- Passing lanes - minimum of 1.5 miles in length



# 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



## ▪ 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



## ▪ Maintenance

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

## ▪ **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

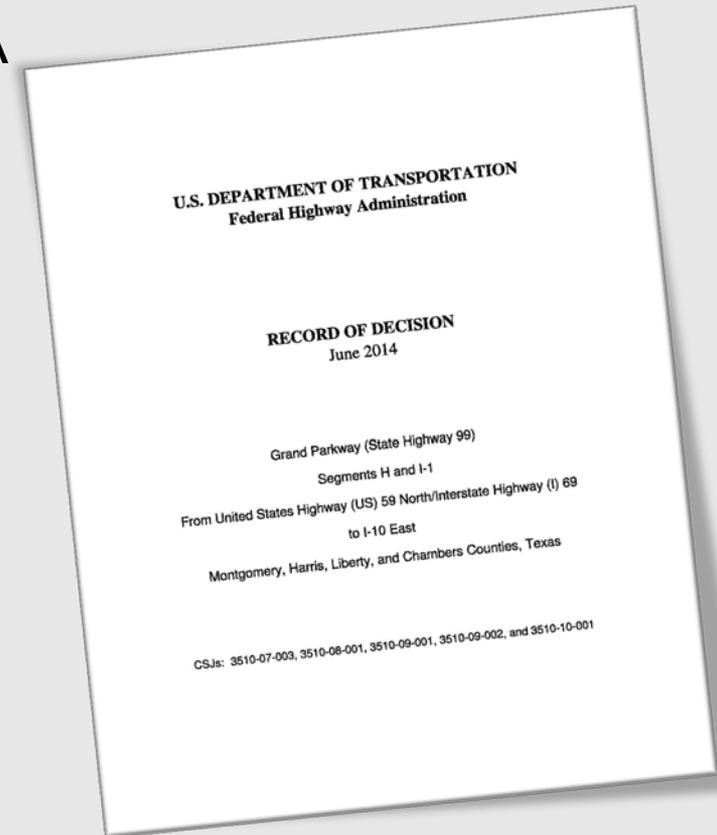
- TxDOT to Operate facility
- Toll equipment by TxDOT Toll Systems Integrator
- Developer to install pavement at tolling zones



# 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



# 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	
	Cemetenes (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	
Hazardous	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

## ■ 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

## ■ 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

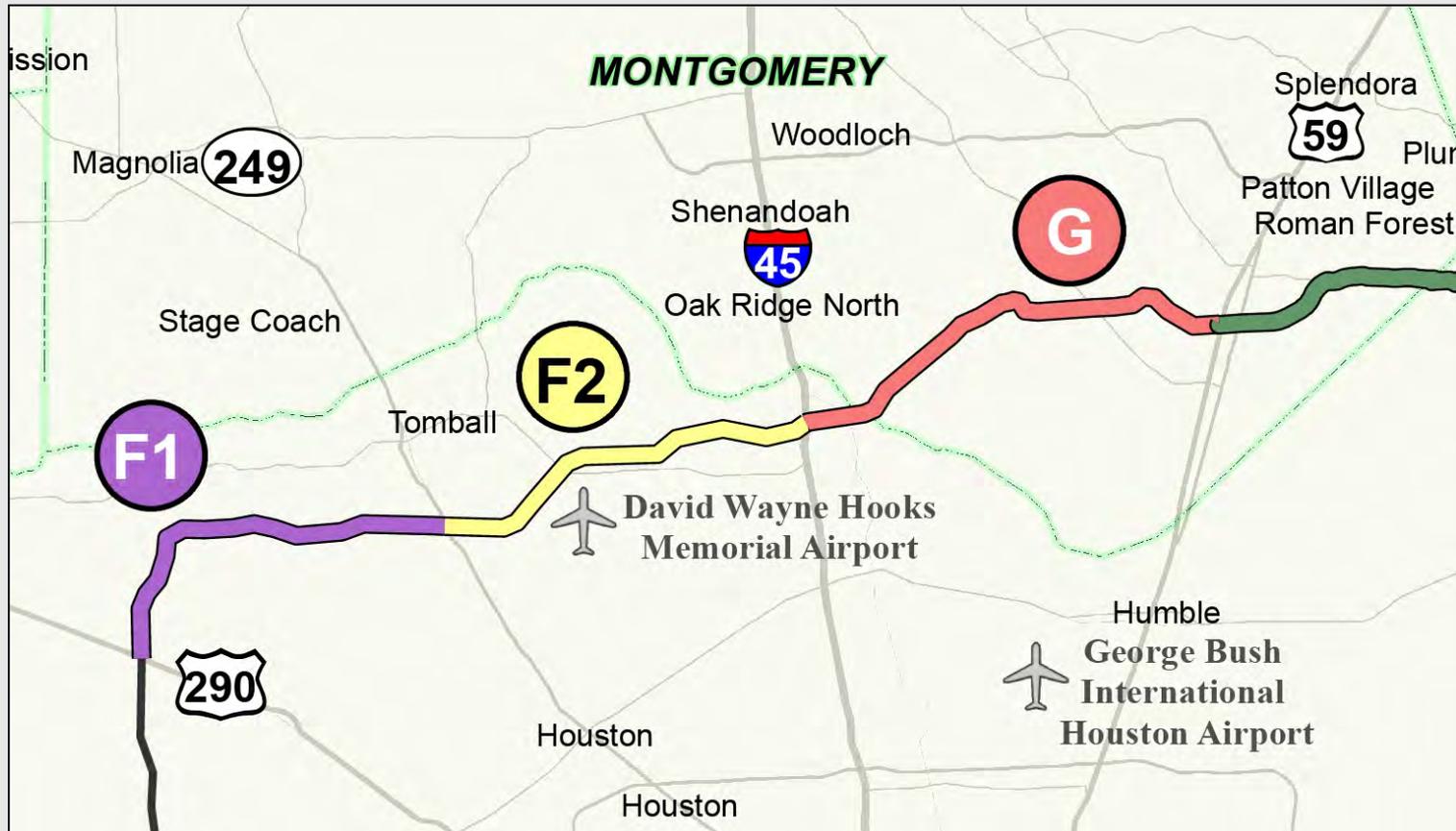
- Many pipelines, particularly around Mont Belvieu area
- Industrial complexes with multiple oil & gas companies

## ▪ Counties

- Four potential future thoroughfare at-grade crossings

# On-Going Projects

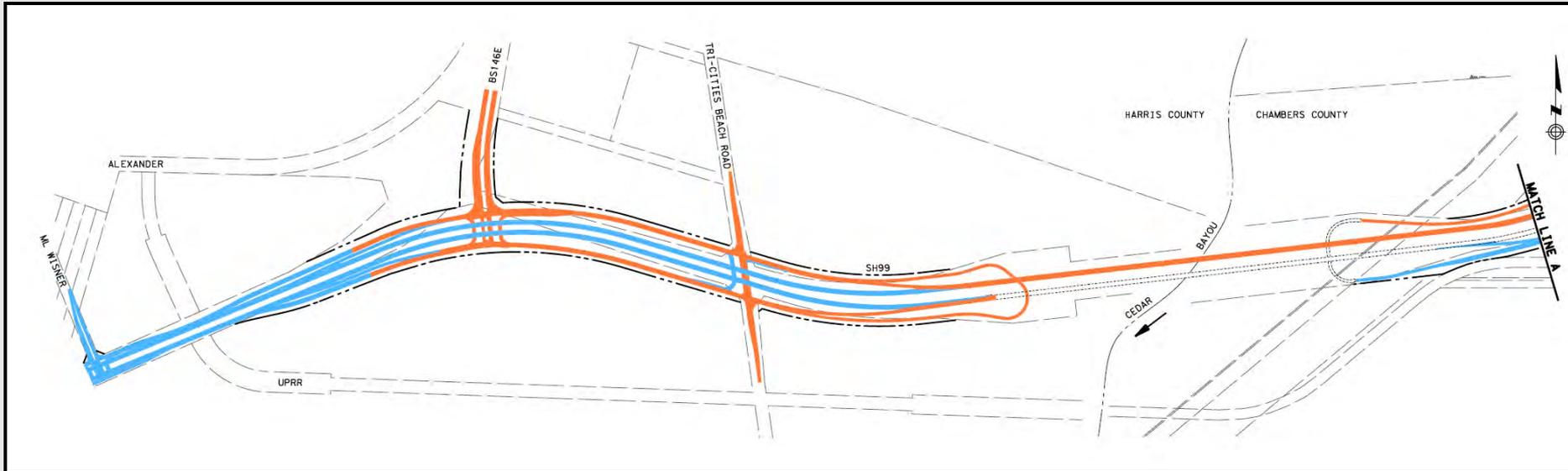
1. Segments F1, F2 and G are currently under a design-build contract with estimated completion date of December 2015



# 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



## 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)

## 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>

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				

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](mailto:TxDOT-HOU-PPP-GrandParkway-SegH&I@txdot.gov)**

STATE HIGHWAY

# QUESTIONS

GRAND PARKWAY H&I