



2040 RTP Planning Factors and Performance Measures



Technical Advisory Committee
04/18/2018

2040 RTP Amendment Requirements

- Fixing America's Surface Transportation Act (FAST Act)
- Planning Factors
 - Improve Resiliency and Reliability
 - Enhance Travel and Tourism
- Intercity Buses
- Performance Measures

Resiliency and Reliability

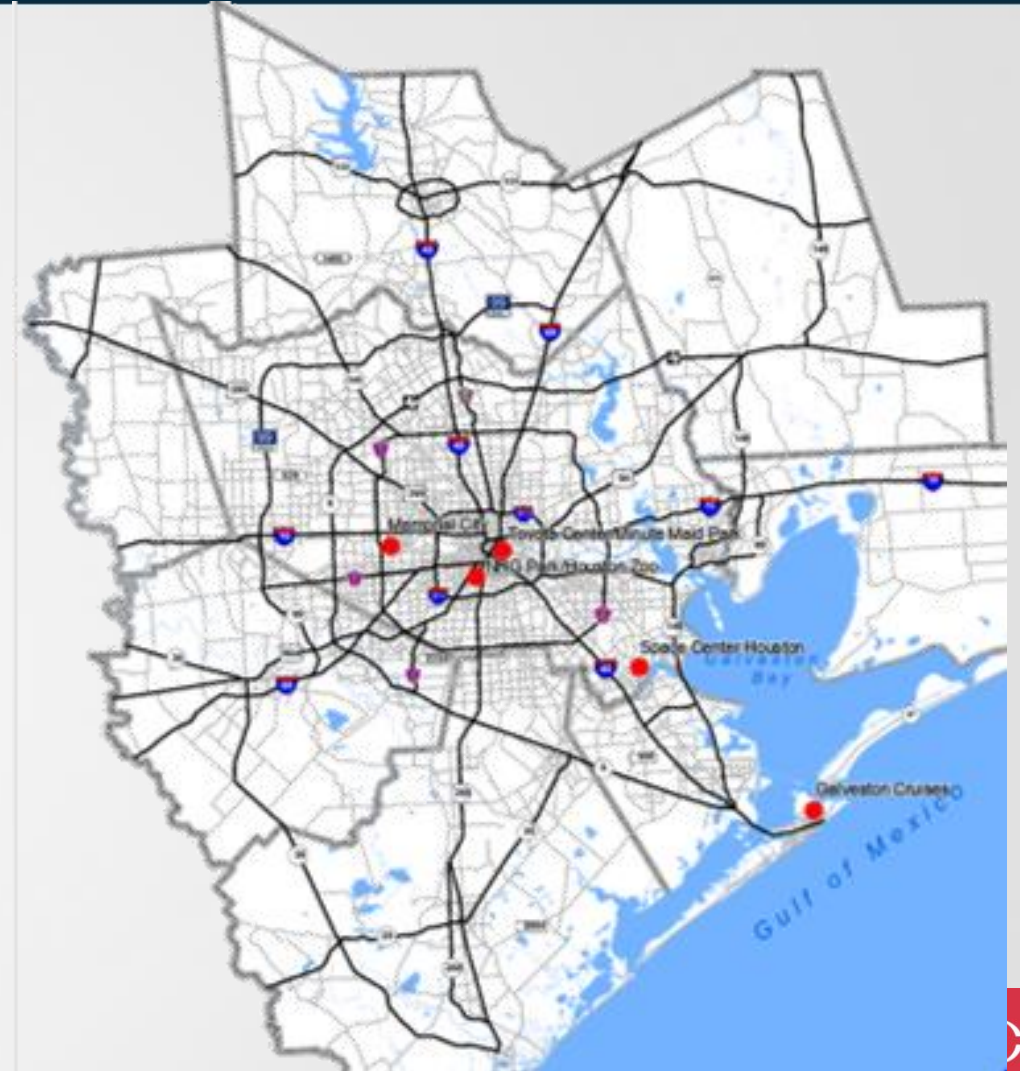
Table 1. State Roadways Identified by TxDOT as Candidates for Repair, Elevation or Other Flood Prevention Treatments					
Proj #	County	Roadway	Limits	Estimates	Description
1	Fort Bend	FM 723	Brazos River to FM 359	1,000,000	elevate pavement
2	Fort Bend	US 90 A	FM 359 to SH 99	50,000,000	elevate pavement and replace bridges
3	Fort Bend	SH 6	Fort Bend County Line to FM 1092	250,000,000	elevate pavement and replace bridges
4	Fort Bend	FM 1093	Brazos River to FM 1489	75,000,000	elevate pavement
5	Fort Bend	Spur 10	SH 36 to Cottonwood School	60,000,000	elevate pavement
6	Brazoria	SH 6	SH 35 to Fort Bend County Line	450,000,000	elevate pavement and replace bridges
7	Harris	SH 6	Addicks Dam to Clay Road	200,000,000	bridge roadway through reservoir
8	Harris	I 45 N	Cypresswood to Parramatta	250,000,000	elevating pavement and rebuild two intersections
9	Harris	US 290	Skinner Road to Telge Road	200,000,000	elevating pavement and rebuild two intersections
10	Harris	I 45 N	I 10 to BW 8		elevate pavement and replace bridges
11	Harris	I 10 E	Monmouth to Spur 330	2,000,000	elevate pavement and replace bridges
12	Waller	I 10	1000' East and West Petterson Road	75,000,000	replace and build urban intersection
13	Chambers	I 10	SH 61 to FM 1406	635,000,000	elevate pavement and replace bridges
14	Chambers	I 10	0.75 mi West of SH 146 to SH 146	32,000,000	elevate pavement
15	Liberty	US 59	SL 573 to Montgomery Co/L	180,000,000	elevate pavement and replace bridges
			Total Estimate	\$2,559,000,000	
Source: Texas Department of Transportation Houston and Beaumont Districts					

Resiliency and Reliability

- Vulnerability Assessment Framework
 - Data Collection
 - Assessment
 - Strategy Development
 - Information Dissemination
- 2045 RTP

Enhance Travel and Tourism

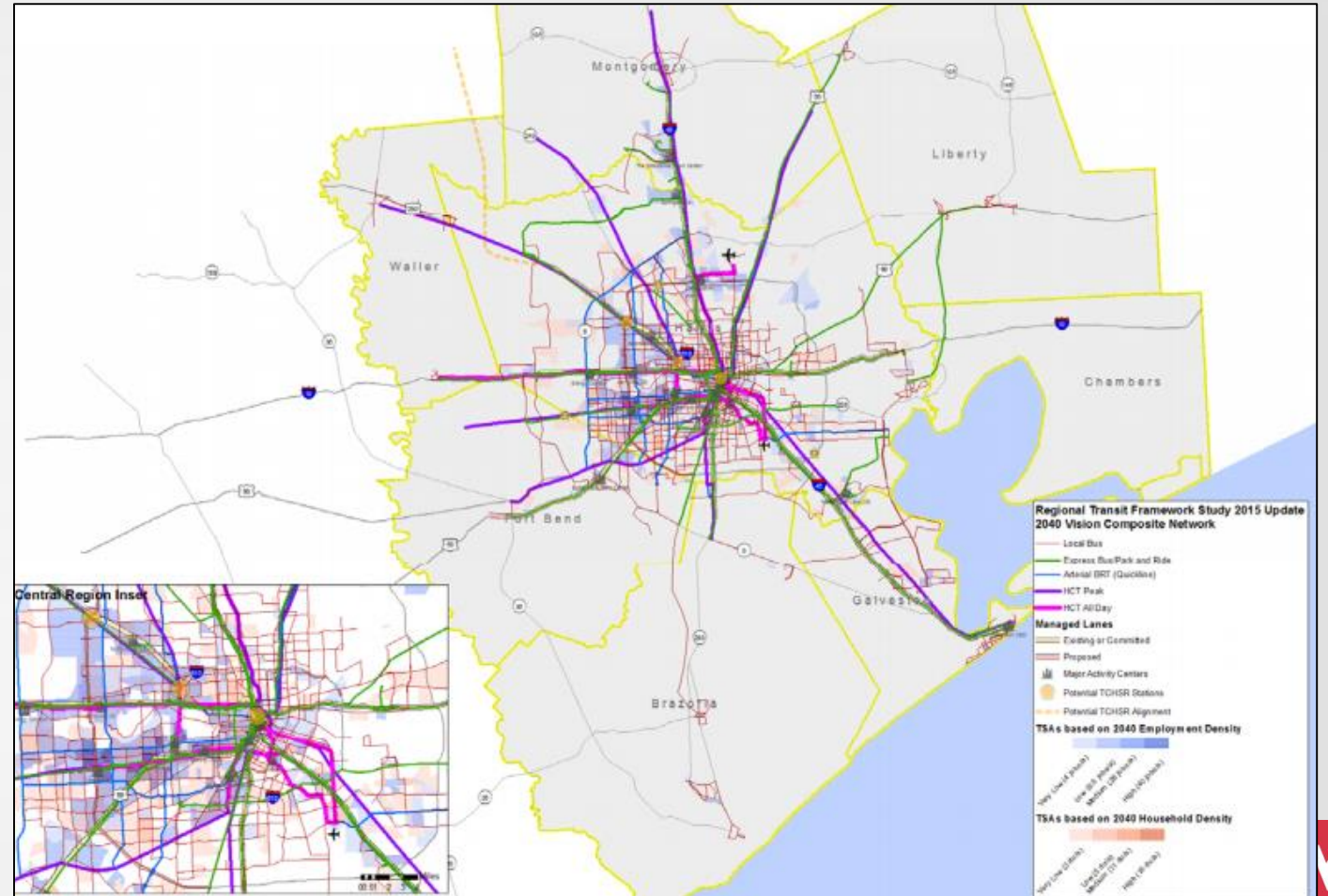
- Our Great Region 2040 Plan
- Transportation Strategies
- 129,000 Employees
- 14.8 Million Visitors to MSA
- 6.5 Million Visitors to Galveston



Intercity Buses

- 2017 RTFS
- Connections to Intercity Bus/Rail/HSR
- Short Term Goal
 - METRO
- Long Term Goal
 - Conroe, GCRD, FBCT
- High Capacity Transit Task Force

2040 RTFS Vision Map



Performance Measures

Performance Area	MPO Deadlines
Safety	Feb 27, 2018
Pavement and Bridge Measures	Nov 20, 2018
System Performance of NHS, Freight and CMAQ	Nov 20, 2018
Transit Asset Management Plans	Oct 1, 2018

Federal Safety Performance Measures

1. Number of fatalities
2. Rate of fatalities per 100 M Vehicle Miles Traveled (VMT)
3. Number of serious injuries
4. Rate of serious injuries per 100 M VMT
5. Number of non-motorized fatalities and serious injuries



Safety Performance Targets

- Achieve a 2% reduction by 2022
- Estimated target values for 2018
- Adopted in the TxDOT's Highway Safety Improvement Program annual report (August 31, 2017)

State Safety Targets – Reduction Percentages

Year	Reduction Percentage
2017	0.0%
2018	0.4%
2019	0.8%
2020	1.2%
2021	1.6%
2022	2.0%

2018 State Safety Target Summary

Safety Performance Measures	State Targets		Regional Outcome	
	2018	2014-2018 (5-Year Average)	2018	2014-2018 (5-Year Average)
Number of Fatalities	3,891	3,704	729	681
Rate of Fatalities (per 100 million VMT)	1.5	1.4	1.2	1.2
Number of Serious Injuries	18,130	17,565	3,422	3,419
Rate of Serious Injuries (per 100 million VMT)	6.6	6.7	6.6	6.7
Number of Non-motorized Fatalities & Serious Injuries	2,309	2,151	650	590

TPC Action (Jan 26, 2018)

Approved a resolution support to the State's safety targets for five performance measures as adopted in the TxDOT's Highway Safety Improvement Program annual report dated August 31, 2017

Transit Asset Management

- Tier I Providers
- Tier II Providers
- Rolling Stock – Revenue Vehicles Exceeding ULB
- Equipment – Non Revenue Vehicles Exceeding ULB
- Facilities – Facilities < 3.0 on TERM Scale
- Infrastructure – Track Segments

Transit Asset Management

- Summary of Targets for Rolling Stock

Agency	SGR Targets (Rolling Stock)	Comments
TxDOT-PTN	14% at or beyond ULB	Preliminary and subject to change. TxDOT-PTN is also considering the sponsorship of a TAM Group Plan for Tier 2 transit providers in Texas.
METRO	25% at or beyond ULB	Tier 1 provider, will develop their own TAM plan.
Fort Bend County Transit	20% at or beyond ULB	Interested in a Group TAM Plan
Harris County Transit	0.1 at or beyond ULB	Have submitted TAM Plan to FTA and received preliminary approval in November 2017.

Next Steps

- Public Comment Period – 04/10/2018 – 05/09/2018
- Joint 2019 TIP, 2040 RTP Amendment Public Meeting – 04/17/2018
 - At H-GAC from 5:30 – 7:00 PM
- TAC, TPC Information - April 18th, 27th
- TAC, TPC Request for Action – May 16th, 25th

Questions

2040 RTP Amendment - Appendix M

www.h-gac.com/taq/plan/2040/2040-rtp-amendments.aspx