

2045 RTP

REGIONAL TRANSPORTATION PLAN

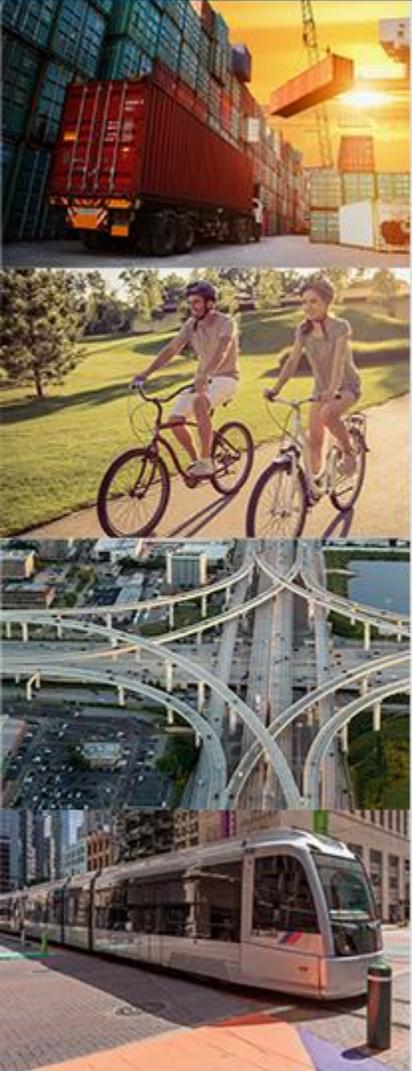


2045 REGIONAL TRANSPORTATION PLAN



2045 RTP Public Meetings
January/February 2019

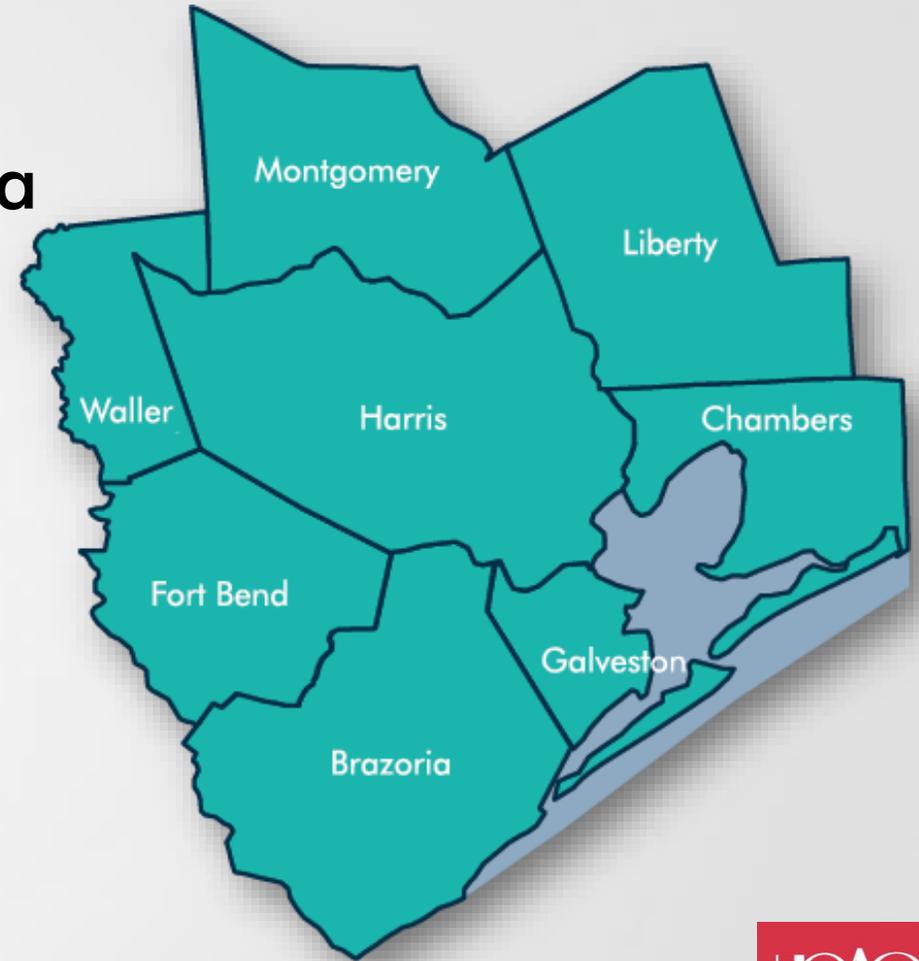
2045 RTP Overview



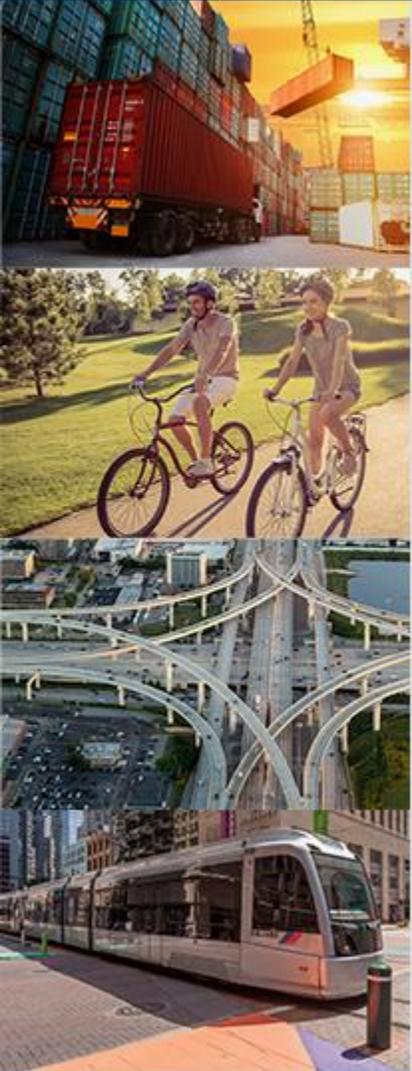
- RTP Overview – What is the RTP?
- Our Region
- Current and Future Challenges
- Air Quality & Conformity

What is the RTP?

- Transportation Investment Framework
- Eight County Metropolitan Planning Area
- Performance Based Plan
- Needs Assessment
- Financially Constrained
- Priorities and Implementation Steps
- Updated Every Four Years



RTP & Other Plans/Programs

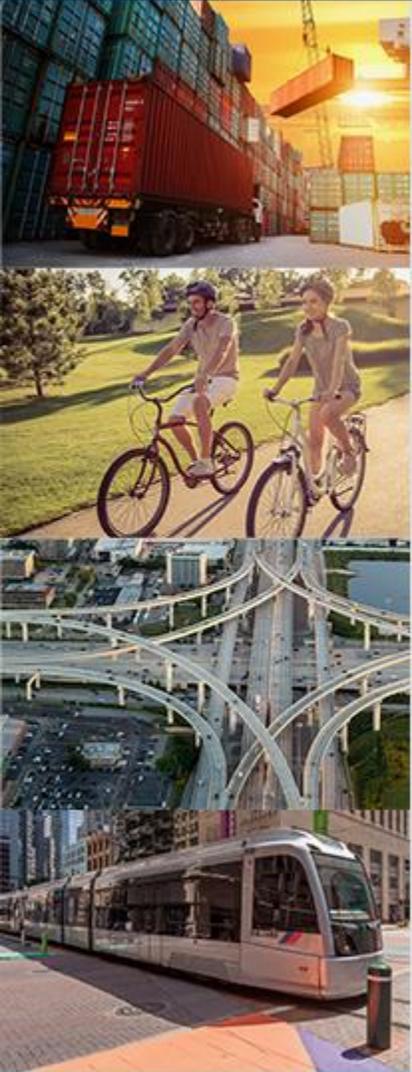


20+ Year Regional Transportation Plan
(2040 RTP)

**H-GAC Ten Year Plan /
TxDOT Unified Transportation Program**
(UTP)

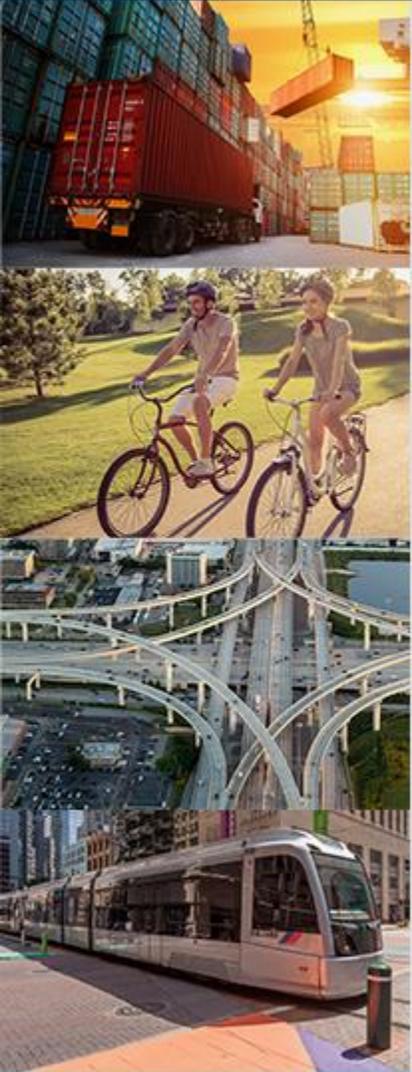
4 Year TIP
(2019-2022 TIP)

2045 RTP Vision



In the year 2045, our region will have an integrated multimodal transportation system, achieved through coordinated public and private investments, that supports a desirable quality of life, enhanced economic vitality and increased safety, access and mobility.

2045 RTP Goals

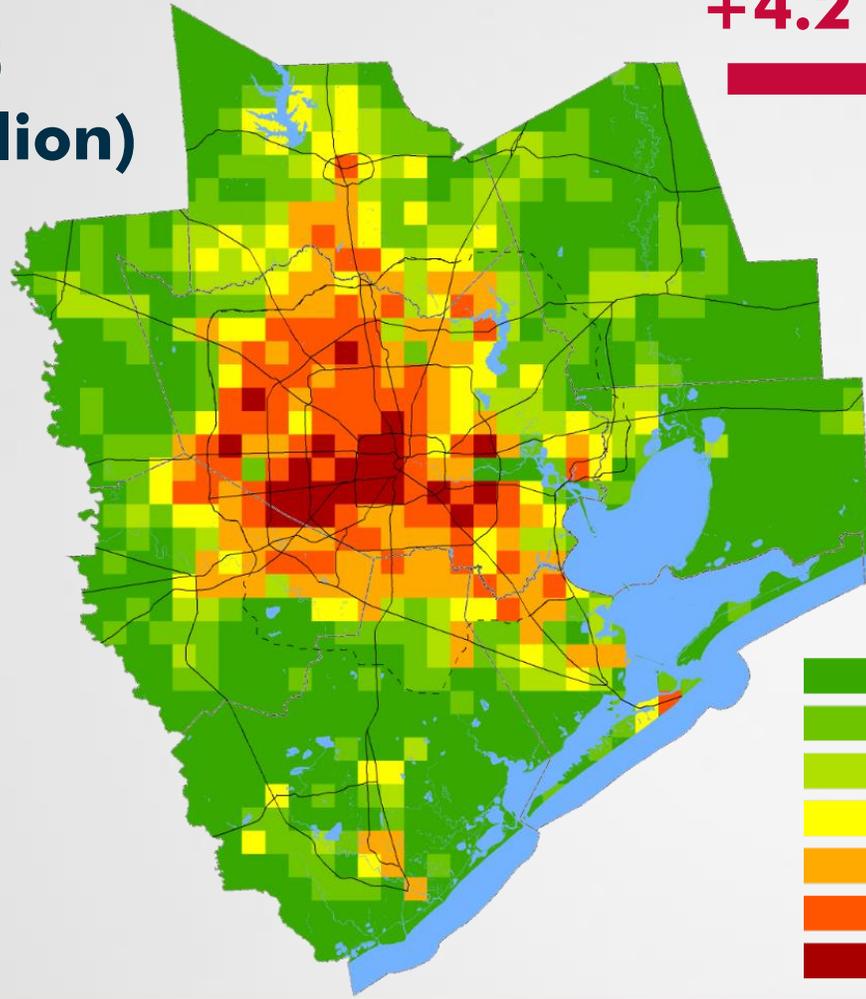


- Improve Safety
- Move People and Goods Efficiently
- Achieve/Maintain State of Good Repair
- Strengthen Regional Economic Competitiveness
- Conserve and Protect Natural and Cultural Resources

Our Region

Household Population

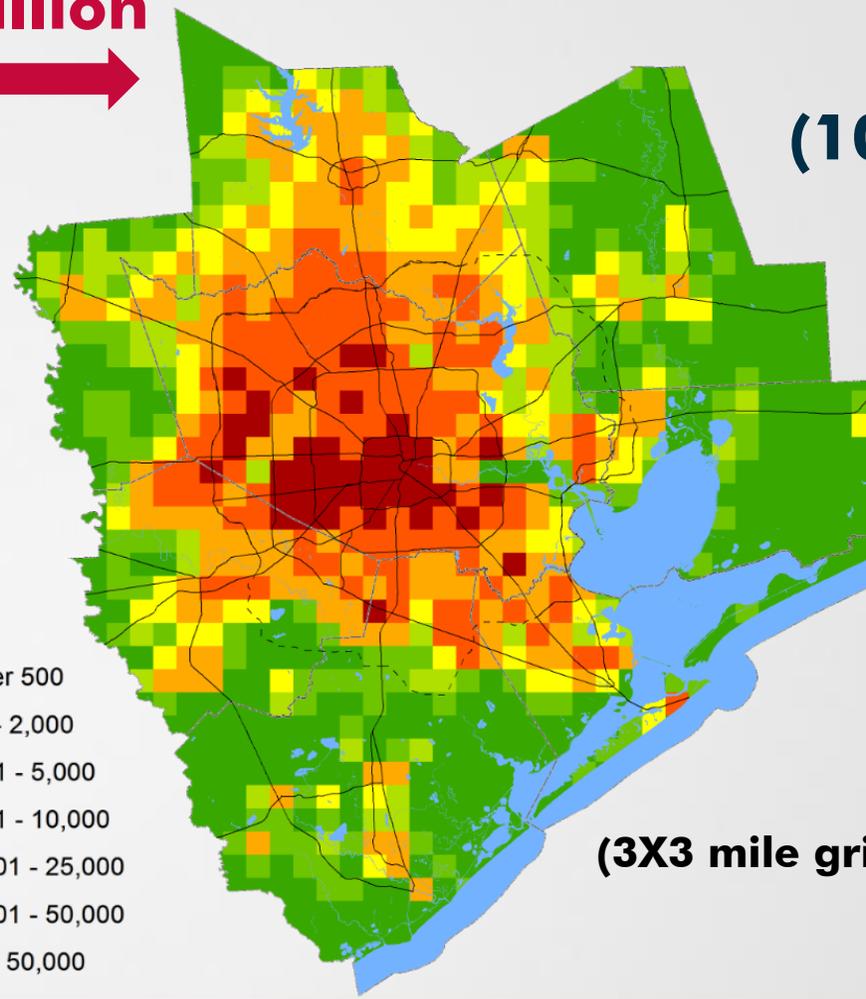
2015
(6.54 Million)



+4.2 Million



2045
(10.76 Million)

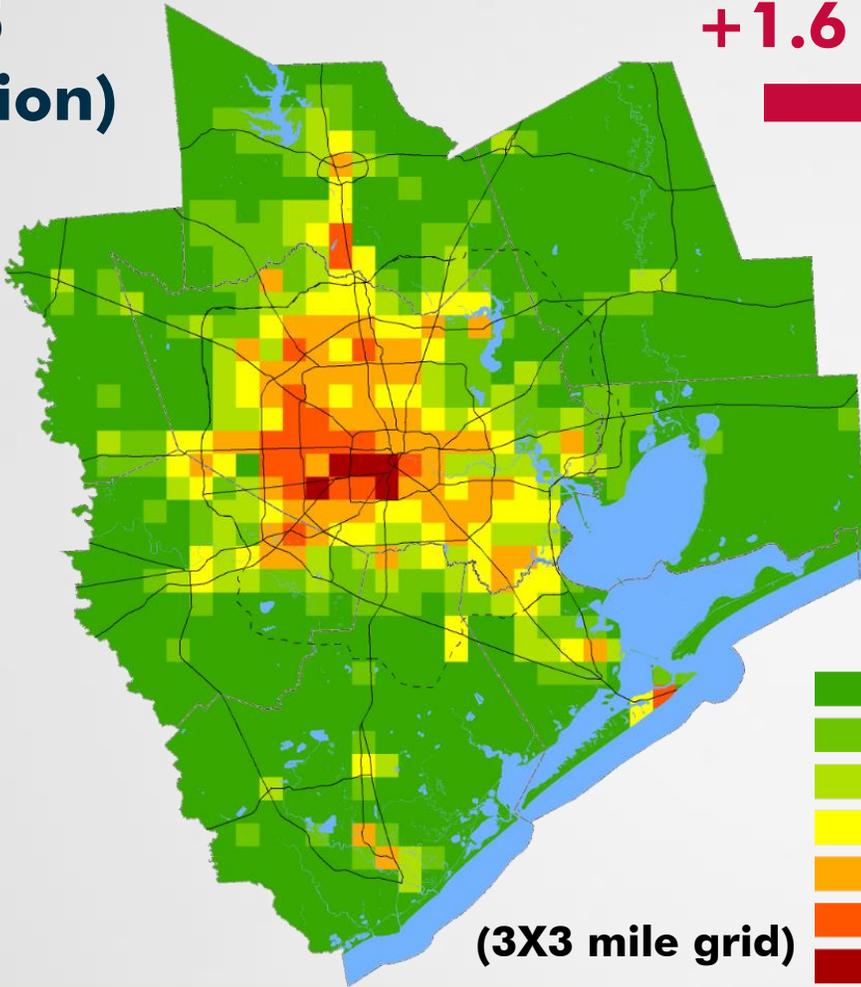


- Under 500
- 501 - 2,000
- 2,001 - 5,000
- 5,001 - 10,000
- 10,001 - 25,000
- 25,001 - 50,000
- Over 50,000

(3X3 mile grid)

Employment

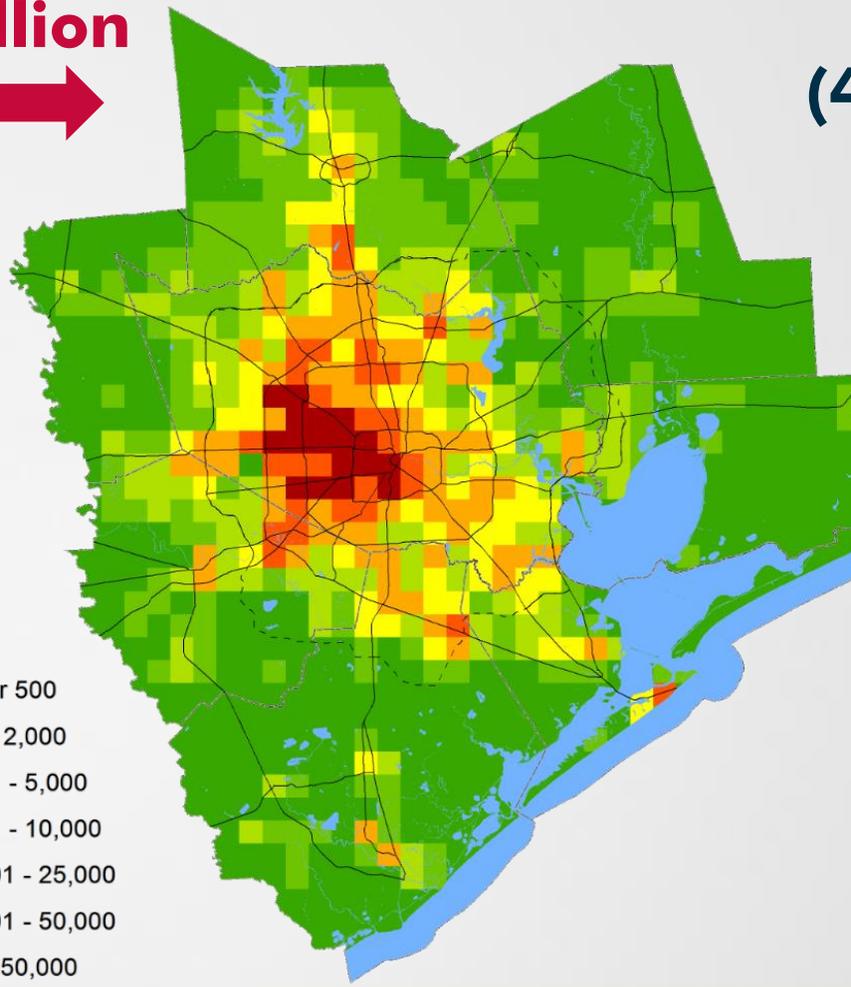
2015
(3.2 Million)



+1.6 Million



2045
(4.8 Million)



(3X3 mile grid)

Our System Today

Roadways

- More than 12,400 TxDOT lane miles
- More than 54,700 local roadway lane miles
- 707 Toll lane miles

Transit

- More than 4,300 fixed route miles
- More than 200 HOV lane miles

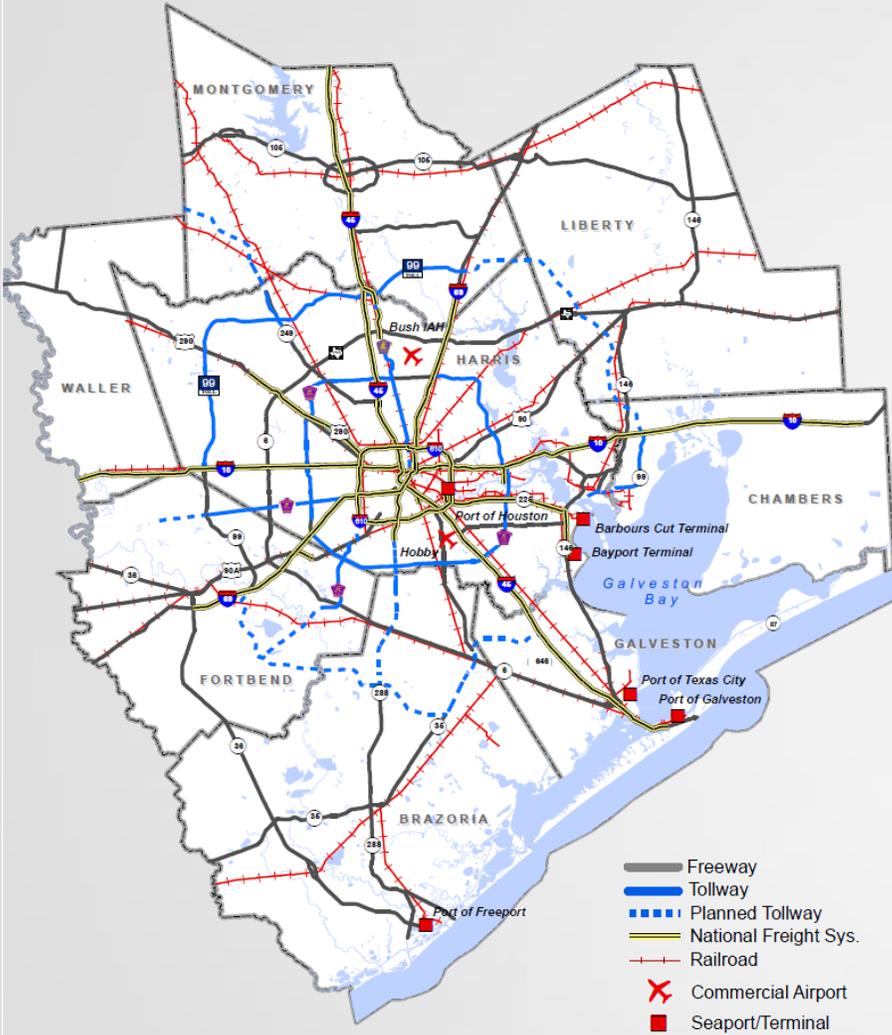
Bikeways

- 400 designated on-street miles
- 688 miles off-street trails



Current & Future Challenges

Regional Freight System



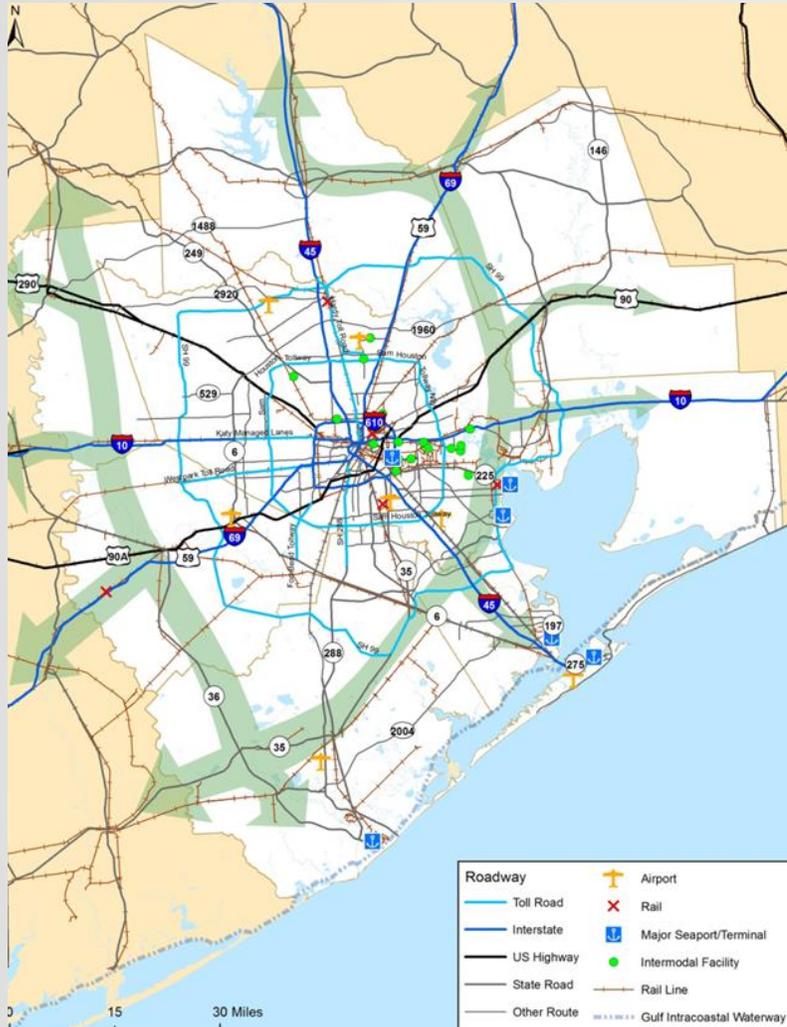
- International Hub of Port Traffic
- Port of Houston
- Port of Texas City
- Port of Freeport
- Port of Galveston
- 2 Commercial Airports
- Rail Lines

Freight Challenges

Seven of the Top 100 Truck Bottlenecks Were Located in our Region

- Several Factors will Continue to Contribute to Regional Freight Congestion:
 - Expansion of Panama Canal
 - Increase in Vessel Capacity
 - Plastic Resin Production
 - 23 Billion Pounds Produced Per Year by 2020
 - Population Increase
 - Projected 11 Million People by 2045

Freight Draft Alternatives



- Freight Congestion Relief/Bypass Routes
- Freight Shuttle Concept
- Virtual Container Yard



Regional Public Transit System

- 9 Public Transportation Providers
- Local Bus Service
- Park & Ride Commuter Service
- Demand Responsive Service
- Light Rail



LOCAL BUS



DEMAND RESPONSE



COMMUTER SERVICE



LIGHT RAIL

METRO



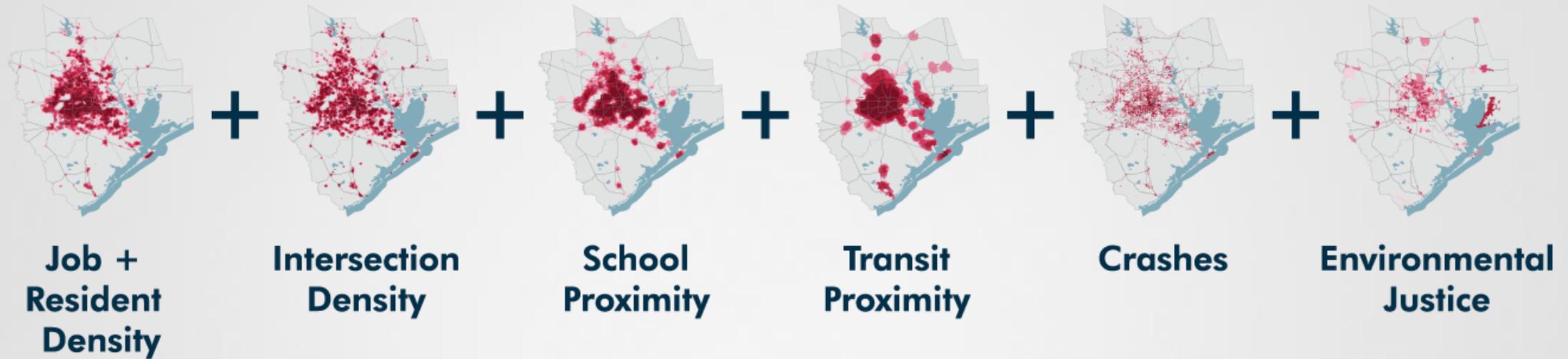
THE WOODLANDS
TOWNSHIP



Transit Draft Recommendations

- High Capacity Transit Taskforce
- METRONext Vision Plan
- Regionally Coordinated Transportation Plan
 - Public Private Partnerships and Collaborations (P3s)
 - Regional Connectivity (e.g., Fares, Services)
 - Incremental Transit Service Expansion
 - www.ridethegulfcoast.com for more details
- High Speed Rail
 - Region to Region Connectivity
 - Local Connectivity and Integration

Active Transportation Focus Areas



Regional Pedestrian and Bicycle Focus Areas

Active Transportation Draft Recommendations

PRIORITIZE SAFETY

BUILD FOR IMPACT

BUILD FOR NEED

MAINTAIN WHAT'S BUILT

ENCOURAGE MORE WALKING AND BIKING

Air Quality & Conformity

- Non-Attainment for the Pollutant Ozone
- Air Quality Programs
 - Clean Vehicles
 - AirCheck Texas
- Air Quality Conformity Analysis Results – Late March/April 2019
- Anticipate Approval in August 2019 for the 2045 RTP



Operational/Congestion

- Travel Demand Management Strategies/Programs
 - CarPool/VanPool
- Freeway Incident Management
- Access Management
- Intersection Improvements
- Intelligent Transportation Systems



Spring 2019 Public Meetings

2045RTP

REGIONAL TRANSPORTATION PLAN

PUBLIC OUTREACH ROUND II

Transportation 101: What You Need to Know

Learn what's next for the 2045 Regional Transportation Plan at one of our upcoming public meetings. We will highlight an expert panel featuring "Transportation 101: What You Need to Know."

- "2018 Call for Projects" draft selection
- Air quality and transportation conformity
- Performance measures
- Information on 2045 RTP draft plan unveiling

Participate virtually in our panel discussions in real time on our 2045RTP.com website and send questions in Twitter and Facebook @HGACmpo. Meeting materials are also on 2045RTP.com. Email francis.rodriguez@h-gac.com for more information.

The comment period for the "2018 Call for Projects" draft selection will open on January 16, 2019 and close on February 28, 2019.

The comment period for the draft plan of the 2045 RTP and transportation conformity will open on March 19, 2019 and close on April 16, 2019.

Save the Date

WEDNESDAY, APRIL 10, 2019

2045 RTP Draft Plan / Transportation Conformity

9:30 a.m. to 11:00 a.m.

5:30 p.m. to 7:00 p.m.

Houston-Galveston Area Council

3555 Timmons Lane

Second Floor, Conference Room B

Houston, TX 77027

Livestream available at 2045RTP.com

Public Meetings

THURSDAY, JANUARY 24, 2019

5:30 p.m. to 7:00 p.m.

Friendswood City Hall

910 South Friendswood Drive

Friendswood, TX 77546

TUESDAY, JANUARY 29, 2019

5:30 p.m. to 7:00 p.m.

Liberty Center - Liberty City Hall

1829 Sam Houston Street

Liberty, TX 77575

TUESDAY, FEBRUARY 5, 2019

5:30 p.m. to 7:00 p.m.

Kingdom City Houston

(formerly Ashford Community Church)

2100 Eldridge Parkway

Houston, TX 77077

THURSDAY, FEBRUARY 7, 2019

5:30 p.m. to 7:00 p.m.

Tomball City Hall

401 Market Street

Tomball, TX 77375

TUESDAY, FEBRUARY 12, 2019

5:30 p.m. to 7:00 p.m.

Houston-Galveston Area Council

3555 Timmons Lane

Second Floor, Conference Room B

Houston, TX 77027

Livestream available at 2045RTP.com

- Round 2: Jan./Feb. 2019
 - 2045 RTP
 - Call for Projects
 - Performance Measures
- Round 3: April 2019
 - 2045 RTP
 - Regional Air Quality/Conformity

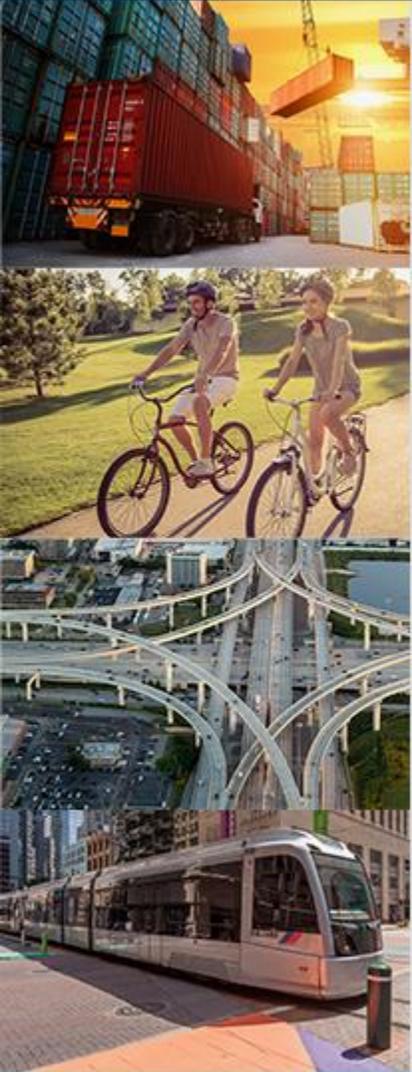


2045 Regional Transportation Plan: Moving Our Region into Tomorrow

#2045RTP



Questions?



www.2045RTP.com



2045 RTP
REGIONAL TRANSPORTATION PLAN

2018 Call for Projects Public Meetings



Vishu Lingala
January/February 2019



2018 Call for Projects

- Call opened in **September 2018**
- Approximately \$920 M (Federal + Match) Available
- State, Local Govts, Public Ports, Special District w/Local Govt Support
- \$ 2.9 B in Federal Funding Request

B/C Grouping of Investment Categories

Strategy	Investment Category	# of Projects
Major Investments (5)	Project Cost More Than \$100 M	5
Expand (64)	Added Capacity	59
	Transit Expansion	2
	Transit Passenger Facilities	3
Maintain (29)	Infrastructure Resiliency	10
	Rehabilitation/Reconstruction	16
	Transit Facility State of Good Repair	3

B/C Grouping of Investment Categories

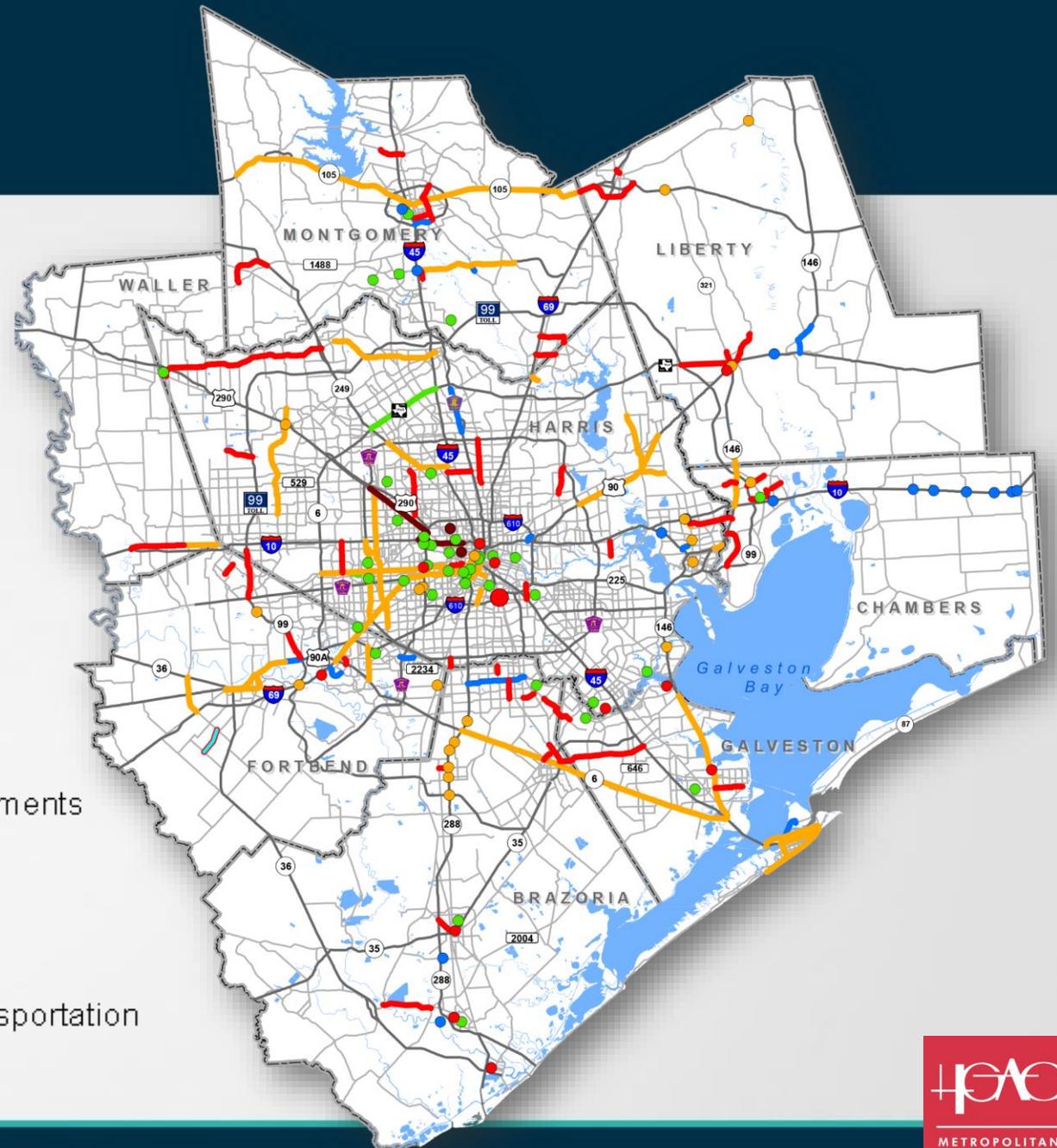
Strategy	Investment Category	# of Projects	
Manage (53)	Access Management/Grade Separations	33	
	ITS Infrastructure	17	
	Transit Priority Infrastructure	3	
Active Transportation	Bike and Pedestrian Infrastructure	42	
		Total	193

Call for Projects

- 193 Proposed Projects
- \$2.9B Federal Funding Request

Legend

- Major Investments
- Expand
- Manage
- Maintain
- Active Transportation



Call for Projects – Public Comments

- Public Comment Period Open Until Feb 28, 2019
- All Submitted Projects Information Can Be Found Online
 - <http://www.h-gac.com/2018-call-for-projects/default.aspx>
 - Interactive Map, Draft Project Ranking
- Comment on Individual Projects

2018 Call for Projects Schedule

	July	Aug	Sept	Oct	Nov	Dec	Jan 2019	Feb	March
Evaluation Criteria		+							
Evaluation Criteria Workshop	+ ● *								
Approve Project Call		● *							
Application Submission			+ [Yellow Bar]						
Application Workshop			▲						
Project Selection/Prioritization					+ [Green Bar]				
Draft Project List							+ ● *		
30 Day Public Comment								[Red Bar]	
Project Recommendation									+ ● *

+ TIP/RTP Subcommittee Meeting

● Transportation Advisory Committee Meeting

* Transportation Policy Council Meeting

▲ Application Workshop

[Yellow Bar] Application Submission

[Green Bar] Projects Selection/Prioritization

[Red Bar] Public Comment Period

2018 Call for Projects: For More Info

www.h-gac.com/2018-call-for-projects

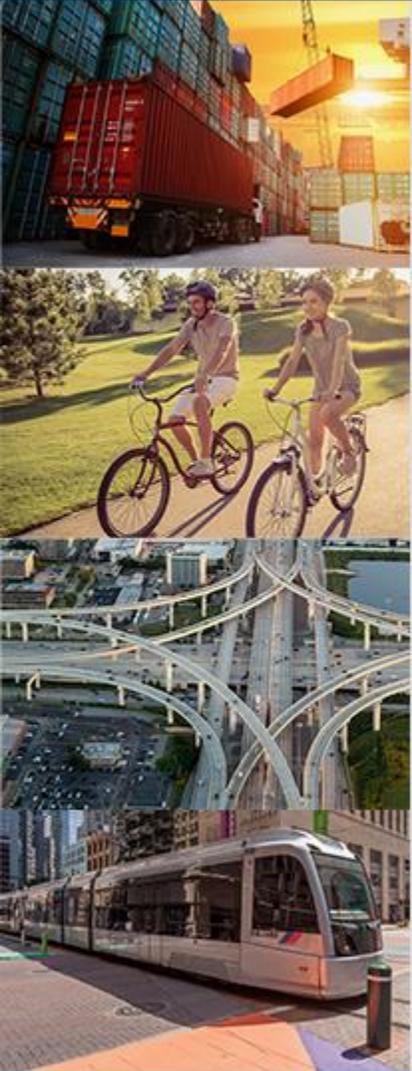


PERFORMANCE MEASURES



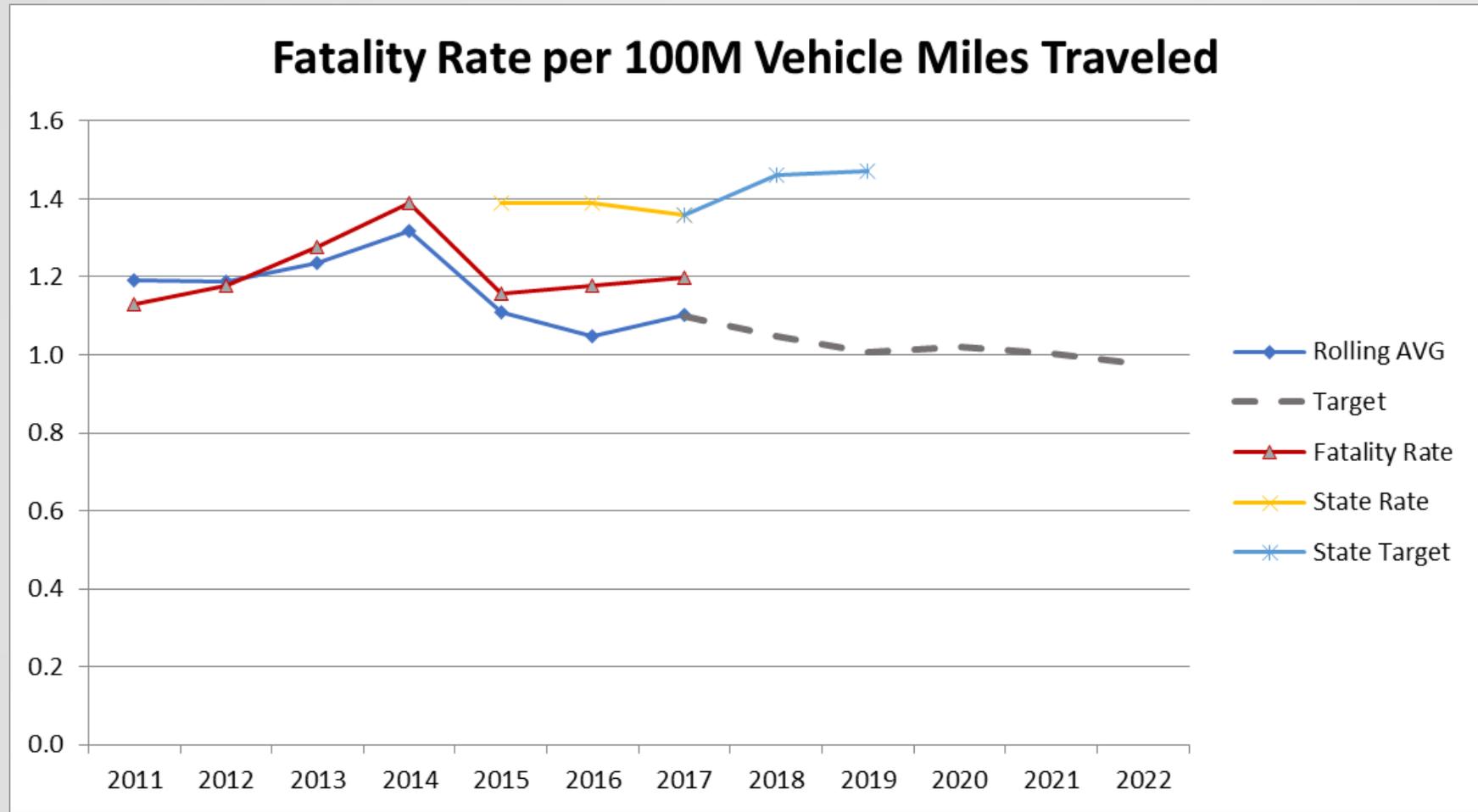
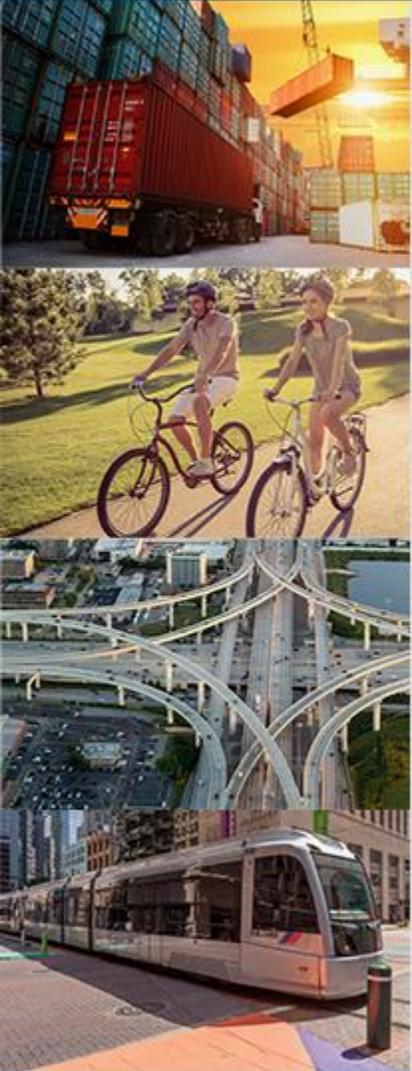
Karen Owen
January 24, 2019

Performance Areas



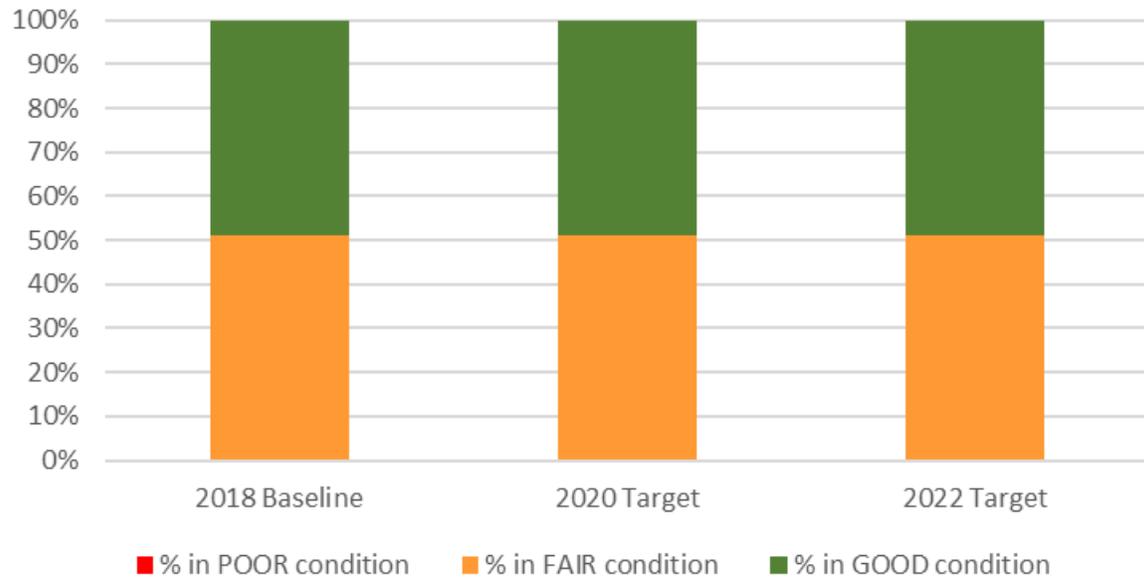
- Safety
- Pavement & Bridges
- Reliability
- Congestion
- Air Quality
- Transit

Safety Conditions & Targets

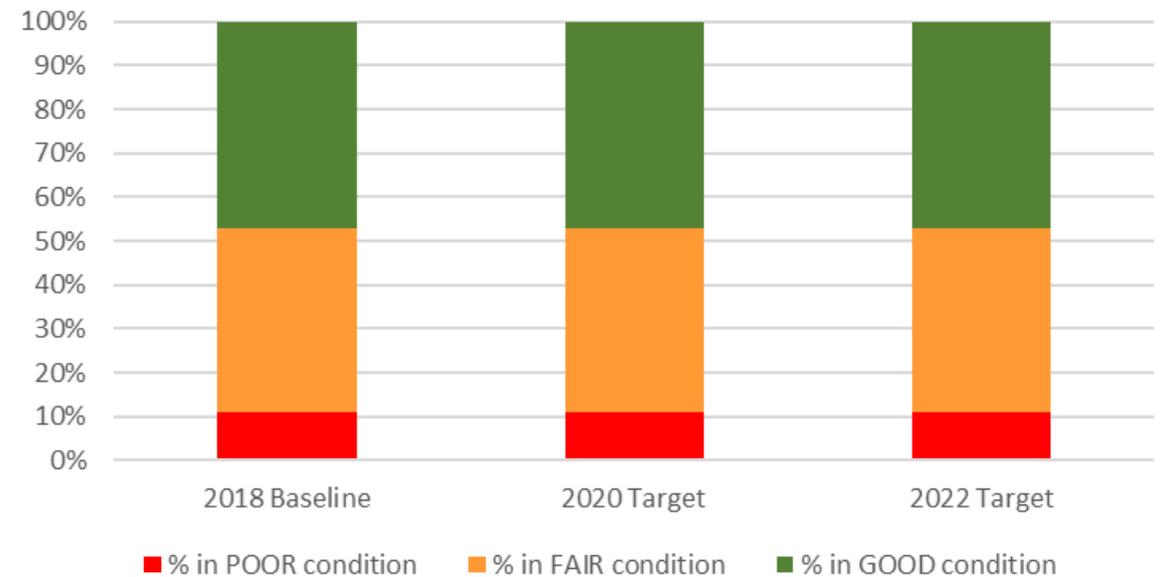


Pavement Conditions & Targets

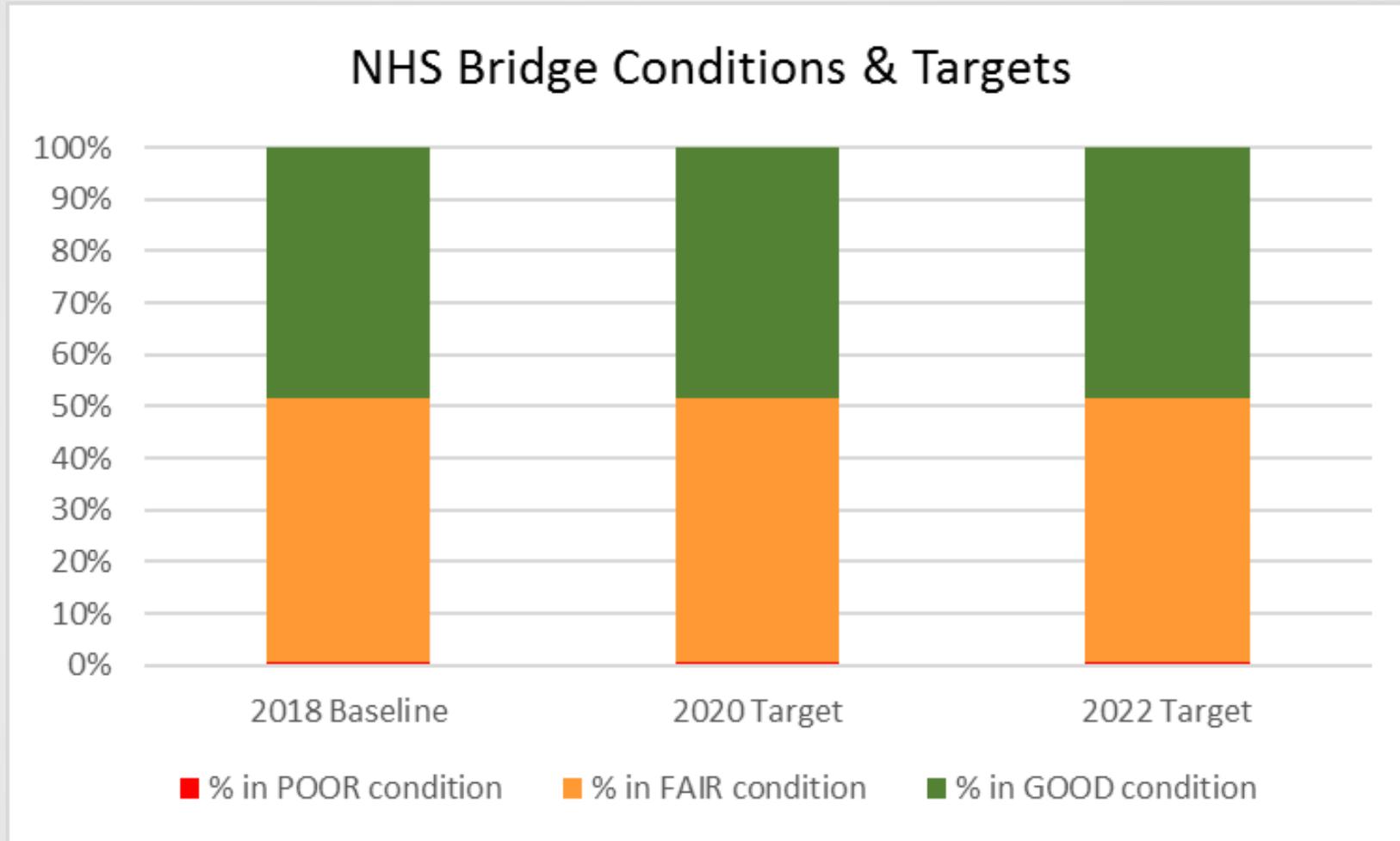
Interstate Conditions & Targets



Non-Interstate NHS Conditions & Targets



Bridge Conditions & Targets

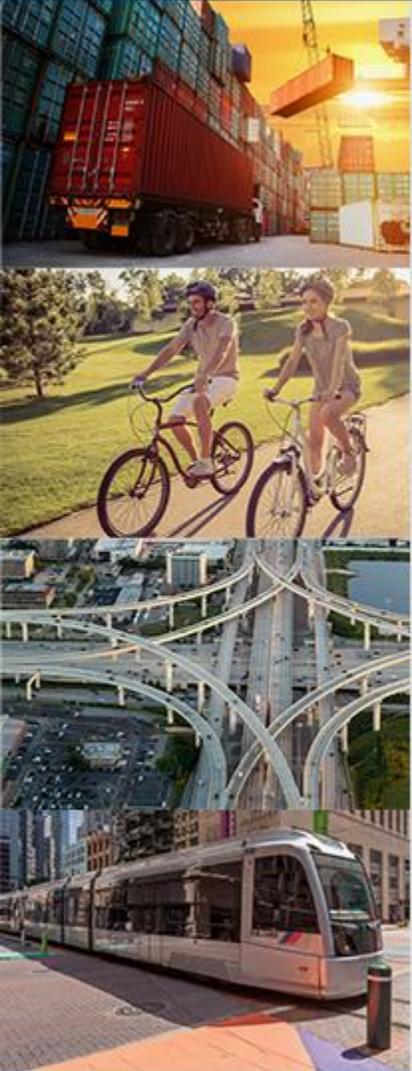


System Performance

- Reliability
- Congestion
- Air Quality



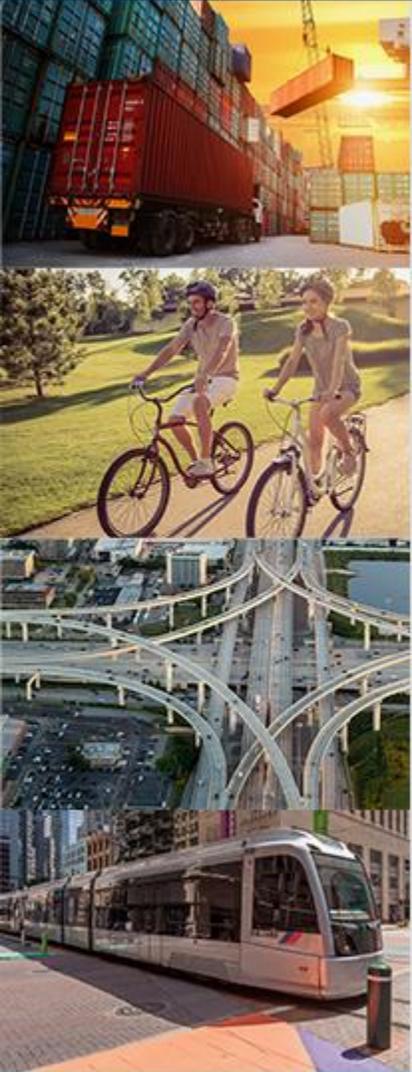
H-GAC Programs



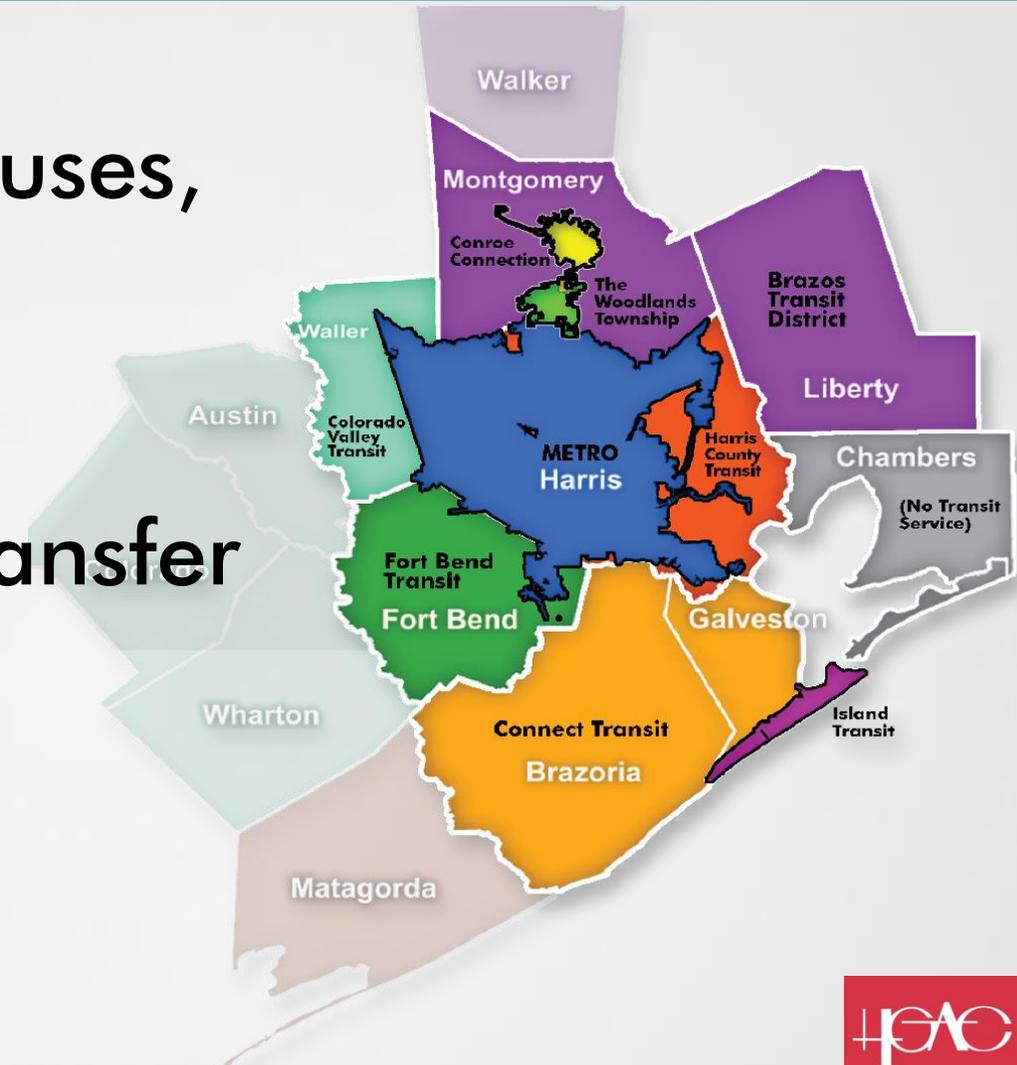
- Clean Vehicles
- Commute Solutions/Outreach
- Regional Vanpool
- Tow & Go
- Transtar message signs



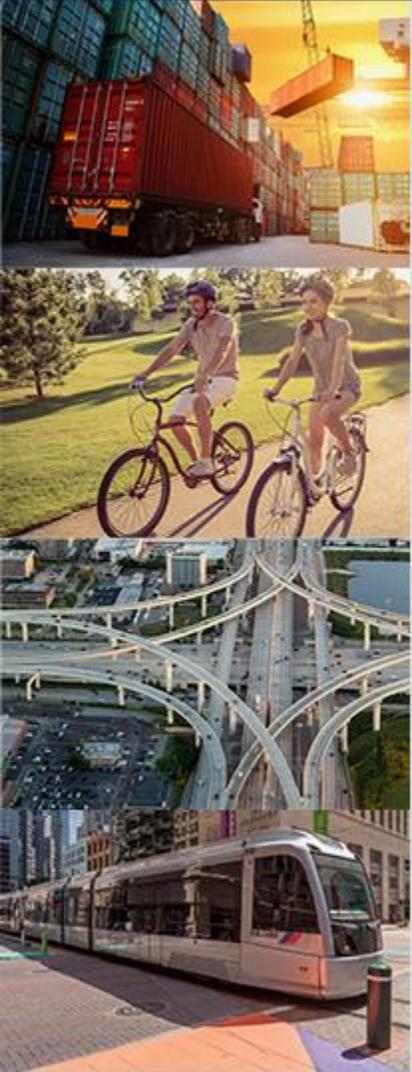
Transit Asset Management



- Rolling Stock – transit buses, vans, railcars
- Service Equipment
- Facilities – bus stops, transfer centers
- METRO Rail tracks



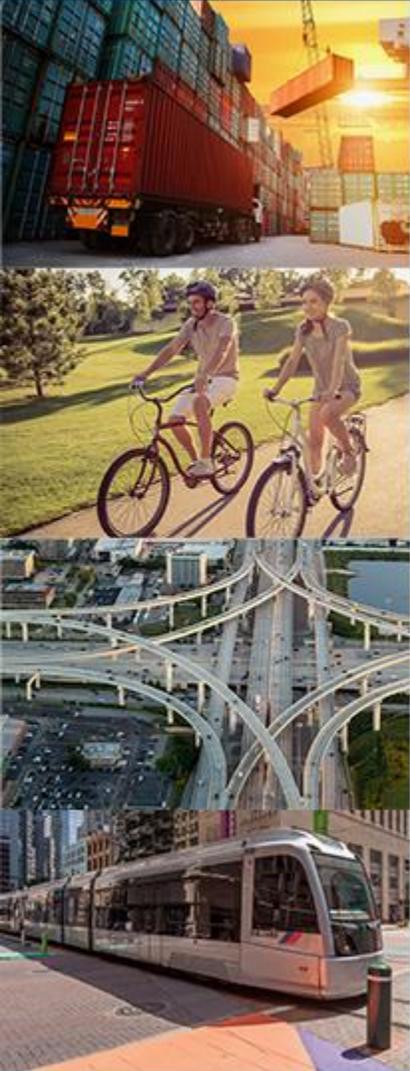
Performance Measures



FOR MORE INFORMATION

Go to www.H-GAC.com
and search for the FAST Act

Contact information



www.2045RTP.com

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