

**MEETING OF THE RTP SUBCOMMITTEE
HOUSTON-GALVESTON AREA COUNCIL**

MEMBERS PLEASE USE THE TEAMS INVITATION

TELECONFERENCE PARTICIPATION VIA MICROSOFT TEAMS

[+1 346-262-0140](tel:+13462620140) United States, Houston (Toll)

Conference ID: 641 945 004#

February 8, 2023

1:30PM

AGENDA

1. Call to Order
Roll Call Attendance
2. Acceptance of Minutes
From meeting of January 18, 2023
3. 2045 RTP Update (Mike Burns)
 - a. Review DRAFT 2045 RTP Update Elements:
 - Vision Statement, Goals, Strategies, and Investment Categories
 - Roadways
 - Public Transportation
 - Active Transportation
 - Freight
 - Aviation Facilities
 - Ferry Operations
 - Parking
 - Action Plan Recommendations
 - b. PH3 Outreach Timeline
4. Announcements
 - a. Next TAC Meeting – February 15, 2023 at 9:30AM (Hybrid)
 - b. Next TPC Meeting – February 24, 2023 at 9:30AM (Hybrid)
 - c. Next RTP Subcommittee Meeting – March 8, 2023 at 1:30PM (Conference Call)
5. Adjourn

RTP Subcommittee Roster

Nominated Position	Primary-Name	Organization	Alternate-Name	Organization
Local Government	Morad Kabiri	City of Friendswood	Jildardo Arias	City of Friendswood
Transit	Perri D'Armond	Fort Bend County	Stacy Slawinski	Fort Bend County
Active Transportation	Joe Cutrufo	Bike Houston	Nikki Knight	SE Management Dist.
Airport	Bill Zrioka	Houston Airport System	Marcel Allen	Houston Airport System
Business Interest	Elizabeth Whitton	Energy Corridor	Elijah Williams	Energy Corridor
Citizen Interest	Andrea French	Scenic Houston	Jonathan Brooks	LINK Houston
Environmental	Harrison Humphreys	Air Alliance Houston	Vacant	
Local Government	Todd Stephens	The Woodlands Township	Ruthanne Haut	The Woodlands Township
Local Government	Karen McKinnon	Brazoria County	Matt Hanks	Brazoria County
Local Government	Hon. John Bowen	City of League City	Christopher Sims	City of League City
Local Government	Robert Upton, P.E.	City of Pearland	Rajendra Shrestha	City of Pearland
Local Government	David Fields	City of Houston-P&D	Peter Eccles	City of Houston - Planning
Local Government	Loyd Smith, P.E.	Harris County	Brannan Hicks	Harris County
Local Government	Monique Johnson	City of Sugar Land	Rick Ramirez	City of Sugar Land
Local Government	Yancy Scott	Waller County	Hon. Jay Knight	Liberty County
Planning	Katherine Parker	GCRD	Carol Lewis, PhD	TSU
Port	Bruce Mann	Port of Houston	Rohit Saxena	Port of Houston
Port	Mike Wilson	Port of Freeport	Rodger Rees	Port of Galveston
State	Charles Airiohuodion	TxDOT-HOU	Jeffrey English	TxDOT-HOU
State	Lisa Collins	TxDOT-BMT	Scott Ayres	TxDOT-BMT
Toll Road	Vacant		Vacant	
Transit	Ken Fickes	Harris County	Vernon Chambers	Harris County
Transit	Taylor Marcantel	METRO	Jose Pulido	METRO

MEETING OF THE RTP SUBCOMMITTEE
HOUSTON-GALVESTON AREA COUNCIL
TELECONFERENCE PARTICIPATION VIA MICROSOFT TEAMS
January 18, 2023
1:30PM
Minutes

Member Attendance:

Primary-Name	Present	Alternate-Name	Present
Morad Kabiri	YES	Jildardo Arias	YES
Perri D'Armond	YES	Stacy Slawinski	NO
Joe Cutrufo	NO	Nikki Knight	NO
Bill Zrioka	YES	Marcel Allen	NO
Elizabeth Whitton	YES	Elijah Williams	NO
Andrea French	YES	Jonathan Brooks	NO
Harrison Humphreys	YES	VACANT	NO
Todd Stephens	YES	Ruthanne Haut	NO
Karen McKinnon	NO	Matt Hanks	NO
Hon. John Bowen	NO	Christopher Sims	NO
Robert Upton, P.E.	NO	Rajendra Shrestha	NO
David Fields	YES	Peter Eccles	NO
Loyd Smith, P.E.	NO	Brannan Hicks	NO
Monique Johnson	YES	Rick Ramirez	NO
Yancy Scott	NO	Hon. Jay Knight	NO
Katherine Parker	YES	Carol Lewis, PhD	NO
Bruce Mann	YES	Rohit Saxena	NO
Mike Wilson	YES	Rodger Rees	NO
Charles Airiohuodion	YES	Jeffrey English	YES
Lisa Collins	YES	Scott Ayres	NO
VACANT		VACANT	NO
Ken Fickes	YES	Vernon Chambers	YES
Taylor Marcantel	NO	Jose Pulido	YES

Others Present: Vishu Lingala, Veronica Waller, Megan Kennison, Carrie Evans, David Fink, Melanie Beaman, Daniel Brassil, Shixin Gao, Adam Beckom, Emanuel Andrews, Stephen Keen, Carlene Mullins, Thomas Gray, Heng Wang, Craig Raborn,

Staff Participating:

Mike Burns

1. Call to Order
 - a. Chairman Morad Kabiri calls for quorum at 1:32 PM and conducts roll call to ensure a quorum.
 - b. Chairman Morad Kabiri confirms there is a quorum.

2. Acceptance of Minutes from December 21, 2022 Meeting
 - a. Chairman Morad Kabiri asks for motion to approve
 - b. Ken Fickes motions to approve, Perri D'Armond seconds.
 - c. Motion passes unanimously

3. 2045 RTP Update (Mike Burns)
 - a. Phase 2 Public Outreach Recap
 - i. Mike reiterates what was presented to the subcommittee last month, which includes a recap of the phase 2 outreach. This outreach phase had 178 total participants. Staff heard safety was a priority, mobility options were split based on Beltway 8, congestion was a dominant concern, and proximity was appealing. Most participants in phase 2 did not participate in phase 1 outreach. Most were satisfied with the Visioning Outreach. The phase 2 meetings revolved around polling question and responses.
 - ii. Chairman Morad Kabiri states a question from that chat that asks if any responses were from RTP Subcommittee members.
 1. He said yes, from members that attended. Our public outreach is open to creative suggestions on how to better engage the community.
 2. No other comments
 - b. Draft, Vision, Goals, Strategies, and Investment Categories
 - i. Mike reveals edits to the goals and performance measures of the RTP vision. He also reveals edits to investment categories, specifically freight. He mentions that these edits are already at the TAC level. Mike discusses the summarization of project scoring via investment category.
 1. No comments
 - c. Phase 3 Outreach Timeline
 - i. Currently refining RTP Outreach and Conformity schedule. Modeling and mapping work is ongoing. There will be a preview at TAC and TPC in February. We will have notifications to publicize the public review process next month. Staff will shoot for over a month of notification. The public review will start on March 15 and will conclude on April 17th. Public meeting is tentatively scheduled for March 21st. Staff will coordinate with advocacy groups, travel demand agencies, and other stakeholders to present on the RTP participation opportunities. This phase will lean more heavily on the virtual participation. Our goal is to drive the audience to the website to provide comments. We are also trying to have the RTP approved at the same TPC meeting as air quality conformity.
 1. No comments
4. Announcements
 - a. Chairman Morad Kabiri mentions that the next TPC Meeting will be on January 27, 2023 at 9:30 AM and will be a hybrid meeting, the next RTP Subcommittee Meeting will be on February 8, 2023 at 1:30 PM, and the next TAC Meeting will be on February 15, 2023 at 9:30 AM and will be a hybrid meeting.
 - i. Chairman Morad Kabiri mentions that it looks like there the preview for TAC and TPC meetings will be February 15 and February 24.
 1. Mike confirms.
 2. No other comments
5. Adjourn
 - a. Chairman Morad Kabiri calls for adjournment at 1:55 pm
 - b. Minutes submitted by: Stephen Keen

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DRAFT 2045 RTP Update Elements



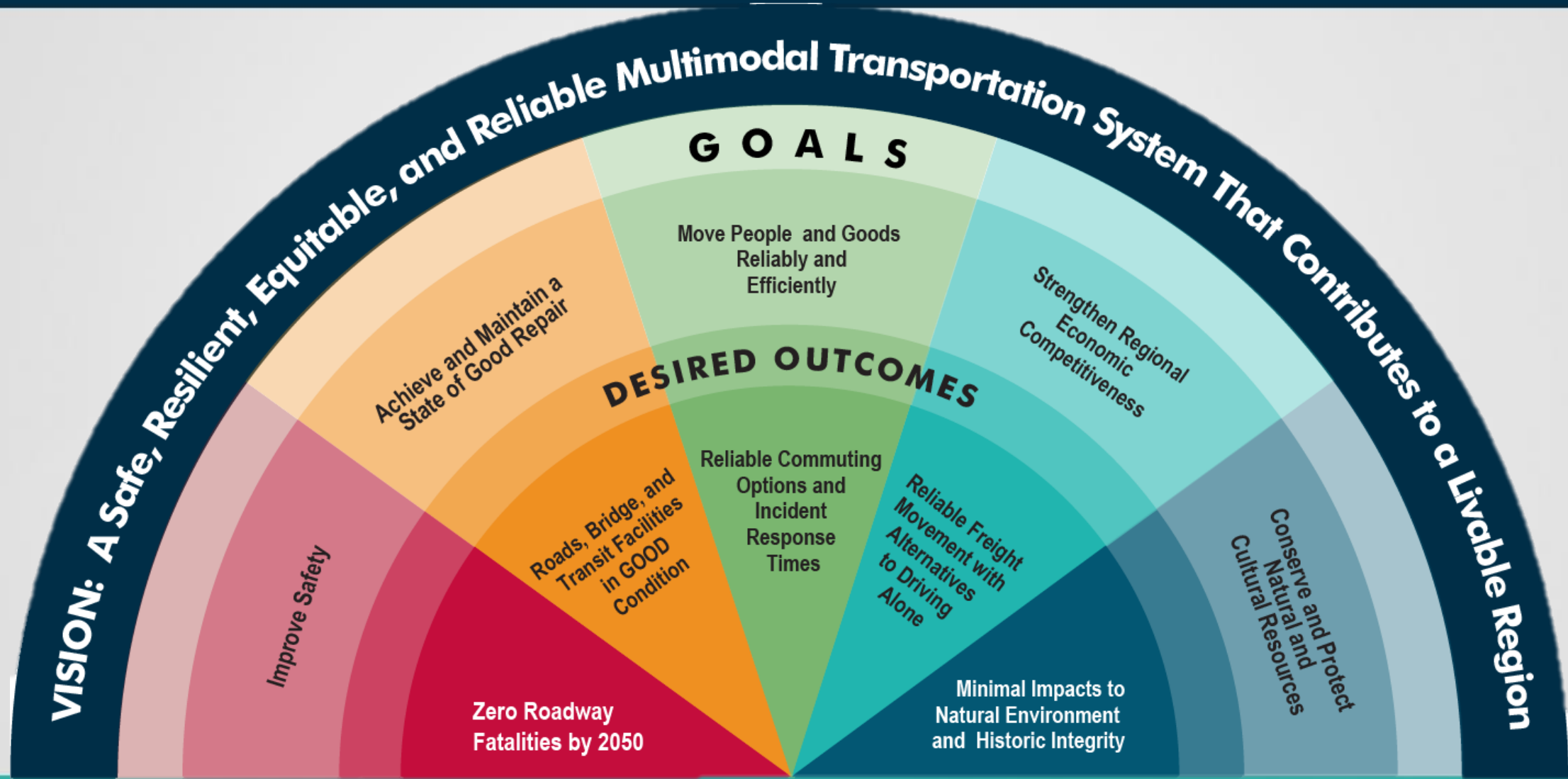
February 8, 2023
RTP Subcommittee



Vision, Goals, and Desired Outcomes

Vision	A Safe, Resilient, Equitable, and Reliable Multimodal Transportation System That Contributes to a Livable Region				
Goals	Improve Safety	Achieve and Maintain a State of Good Repair	Move People and Goods Reliably and Efficiently	Strengthen Regional Economic Competitiveness	Conserve and Protect Natural and Cultural Resources
Performance Measure Area	Reduce Fatalities and Serious Injuries for All Modes	Pavement and Bridge Condition Transit Asset Management	Increase Reliability Expand Multimodal Network Improve Incident Response	Increase Truck Travel Time Reliability Increase Non-Single Occupancy Vehicle Travel	Emission Reductions Reduce Impacts Requiring Mitigation
Desired Outcome	ZERO Roadway Fatalities by 2050	Roads, Bridge, and Transit Facilities in GOOD Condition	RELIABLE Commute Options and Incident Response Times	RELIABLE Freight Movement with Alternatives to Driving Alone	MINIMAL IMPACTS to Natural Environment and Historic Integrity

Vision, Goals, and Desired Outcomes



Current Transportation System – Roadways

■ Existing Network

- 9,000 Miles of the National Highway System
- Managed Lanes to prioritize transit, carpool, and offer tolled access for single occupancy vehicles

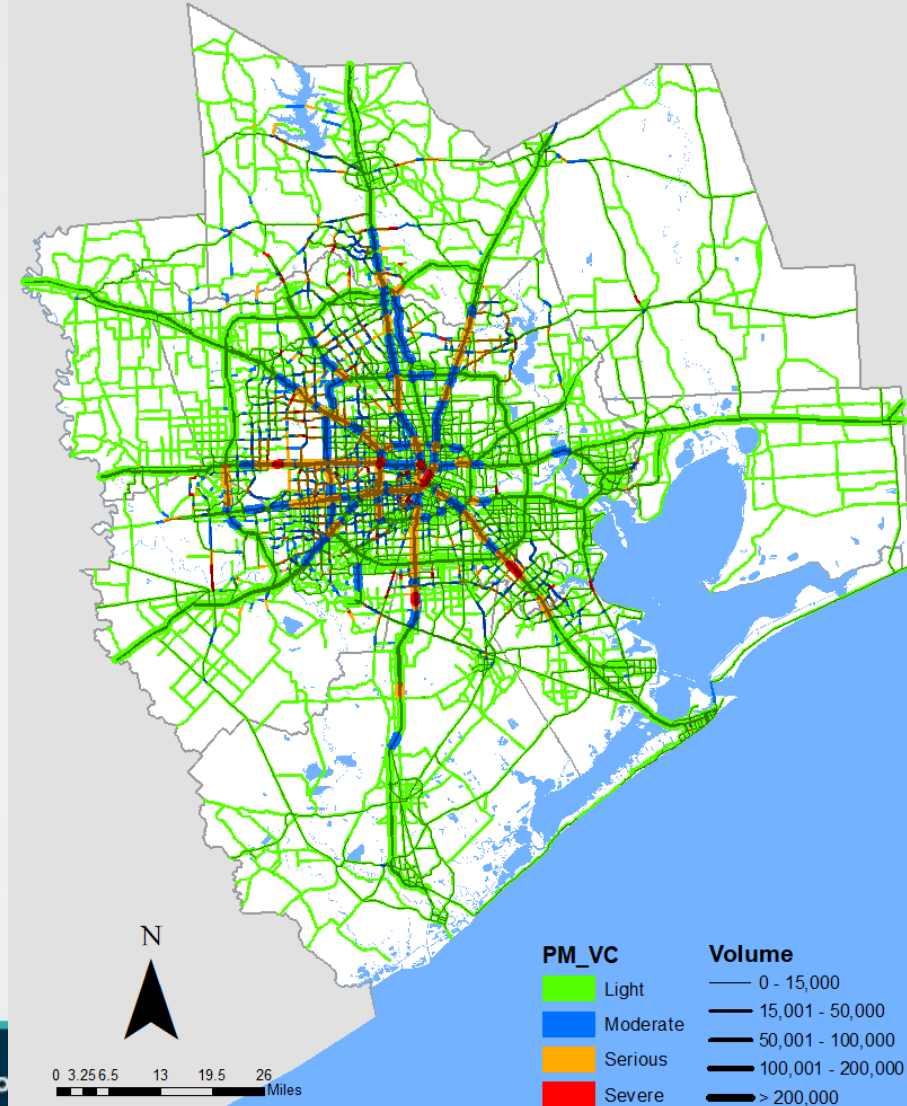
■ Disaster Preparedness

- “Zip-Zone Map” updated each spring

■ Challenges and Opportunities

- Safety
- Congestion
- Connectivity
- Condition of Pavement and Bridges

2020 Congestion Levels



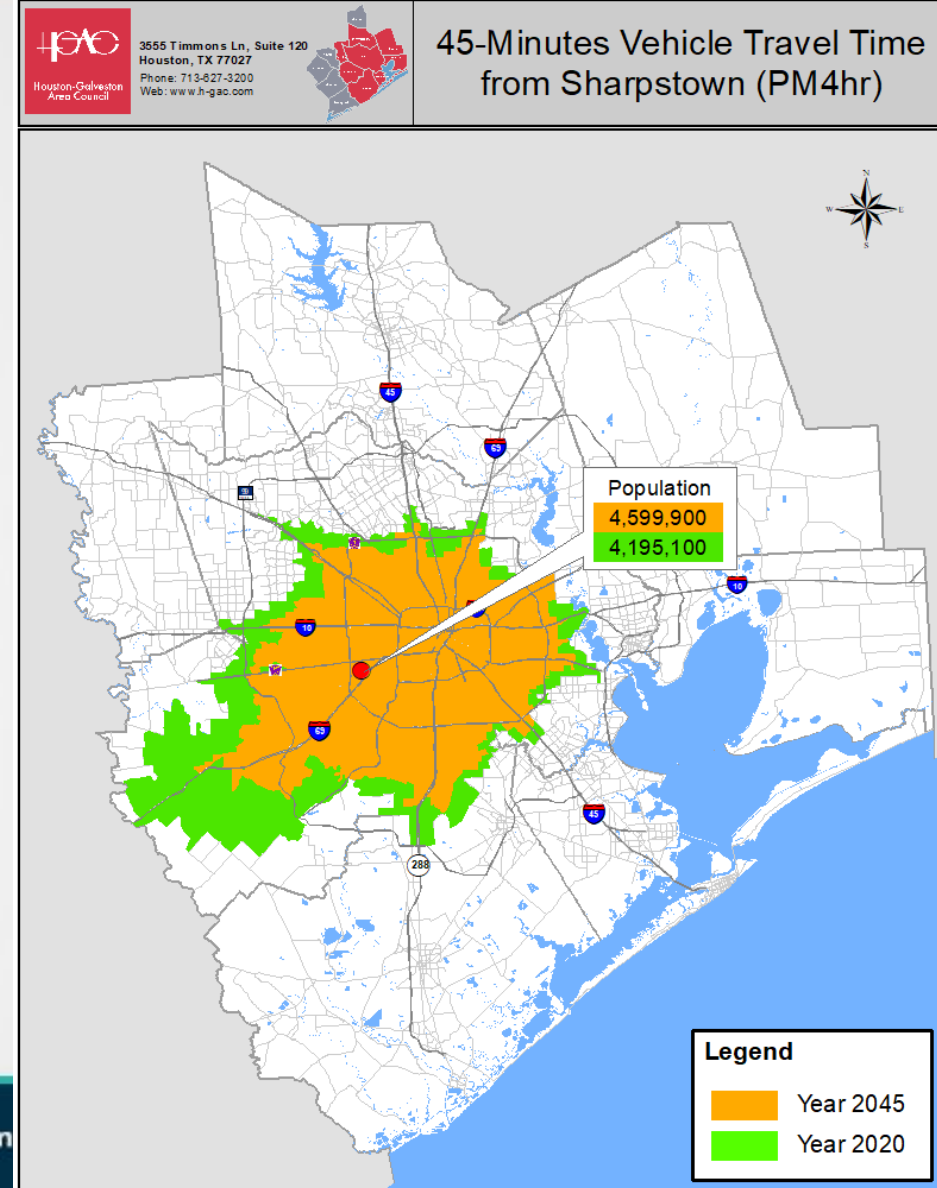
Summary of Recommendations – Roadways

Action Plan Elements

- Summary of Major Corridor and Subregional Investments
- Corridor Summary Sheets in Appendix

Other Recommendations

- Included in other Action Plan programs



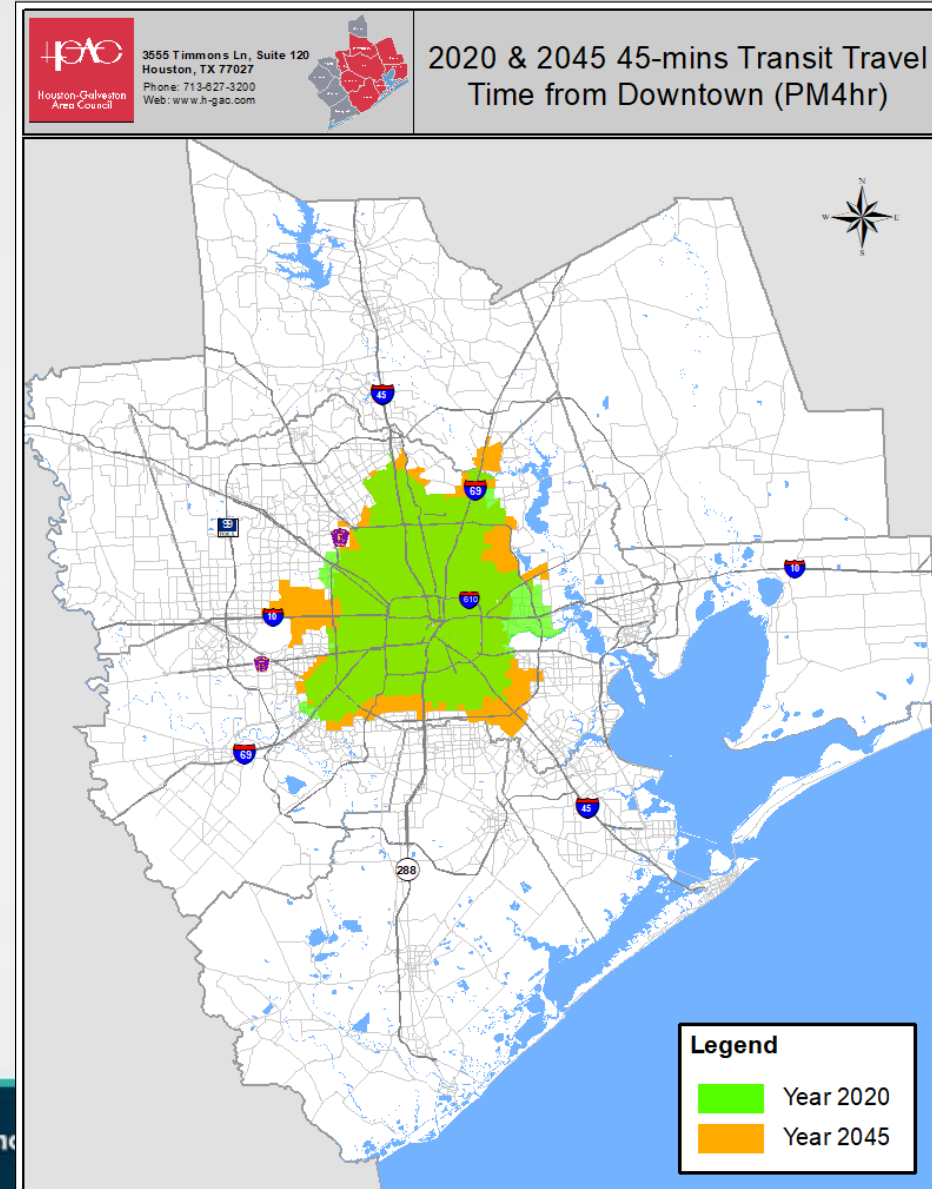
Summary of Recommendations – Public Transportation

Action Plan Elements

- Summary of Major Corridor and Subregional Investments
- Implementation of the High-Capacity Priority Network
- Encourage the concepts and policies that support the increased use of transit

Other Recommendations

- Evaluate impacts of growth scenarios on HCT Priority Network
- Study feasibility for additional service outside Beltway 8
- Identify priority development opportunities around future Transit Centers / Park and Ride locations



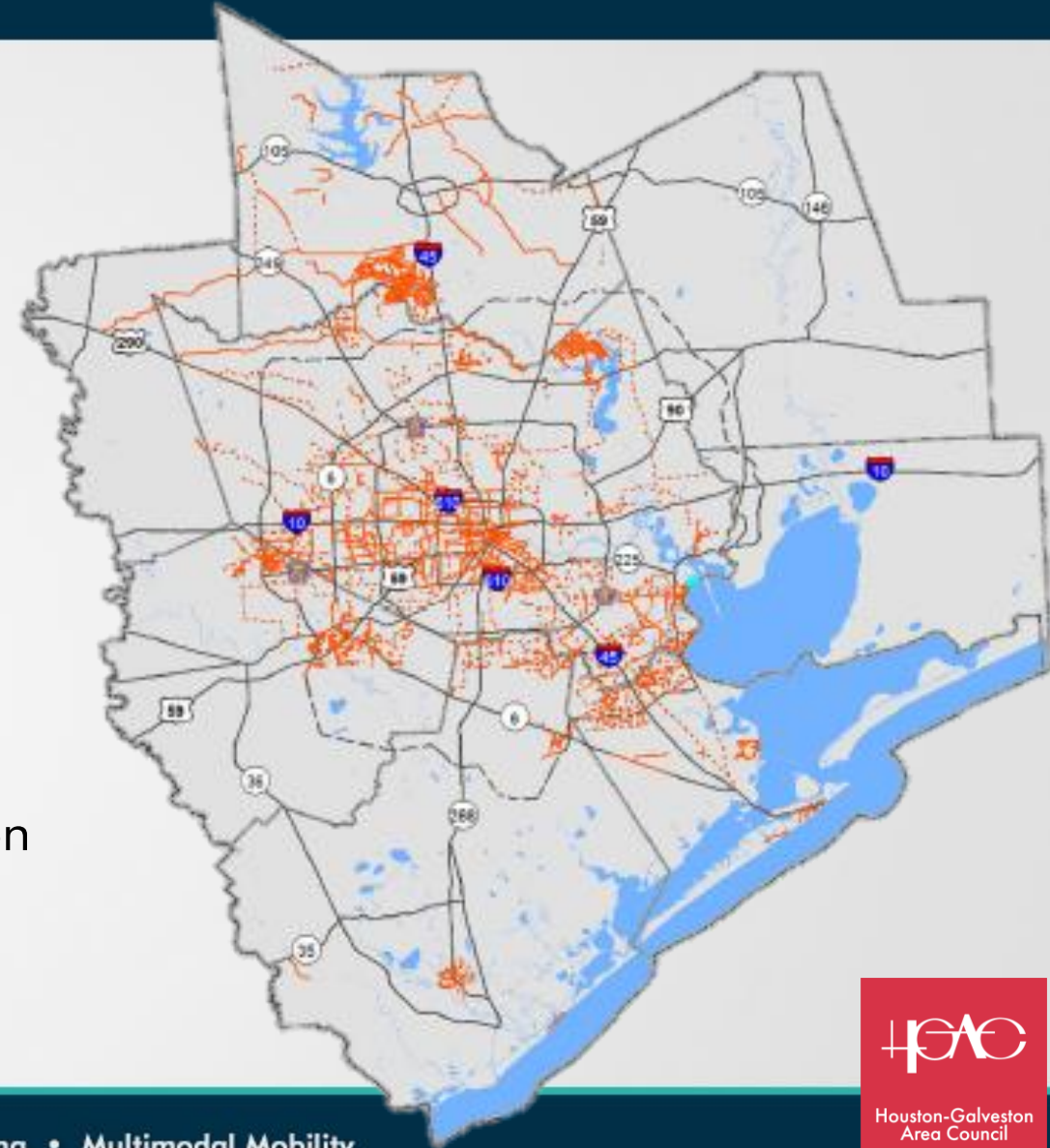
Current Transportation System – Active Transportation

■ Existing Network

- 1,443 miles of bikeways
- 19,300 miles of sidewalks
- 120,000 commuters walk, bike, or use transit

■ Challenges and Opportunities

- Improving bicycle and pedestrian safety
- Connecting existing facilities
- New dedicated funding source for Active Transportation



Summary of Recommendations – Active Transportation

■ Action Plan Elements

- Active Transportation vision:

“Pedestrians and bicyclists of all ages and abilities can travel conveniently and comfortably in all communities using connected and well-maintained networks of walkways and bikeways.”

■ Other Recommendations

- Update Active Transportation Plan to identify specific priority projects
- Other recommendations included in other Action Plan programs

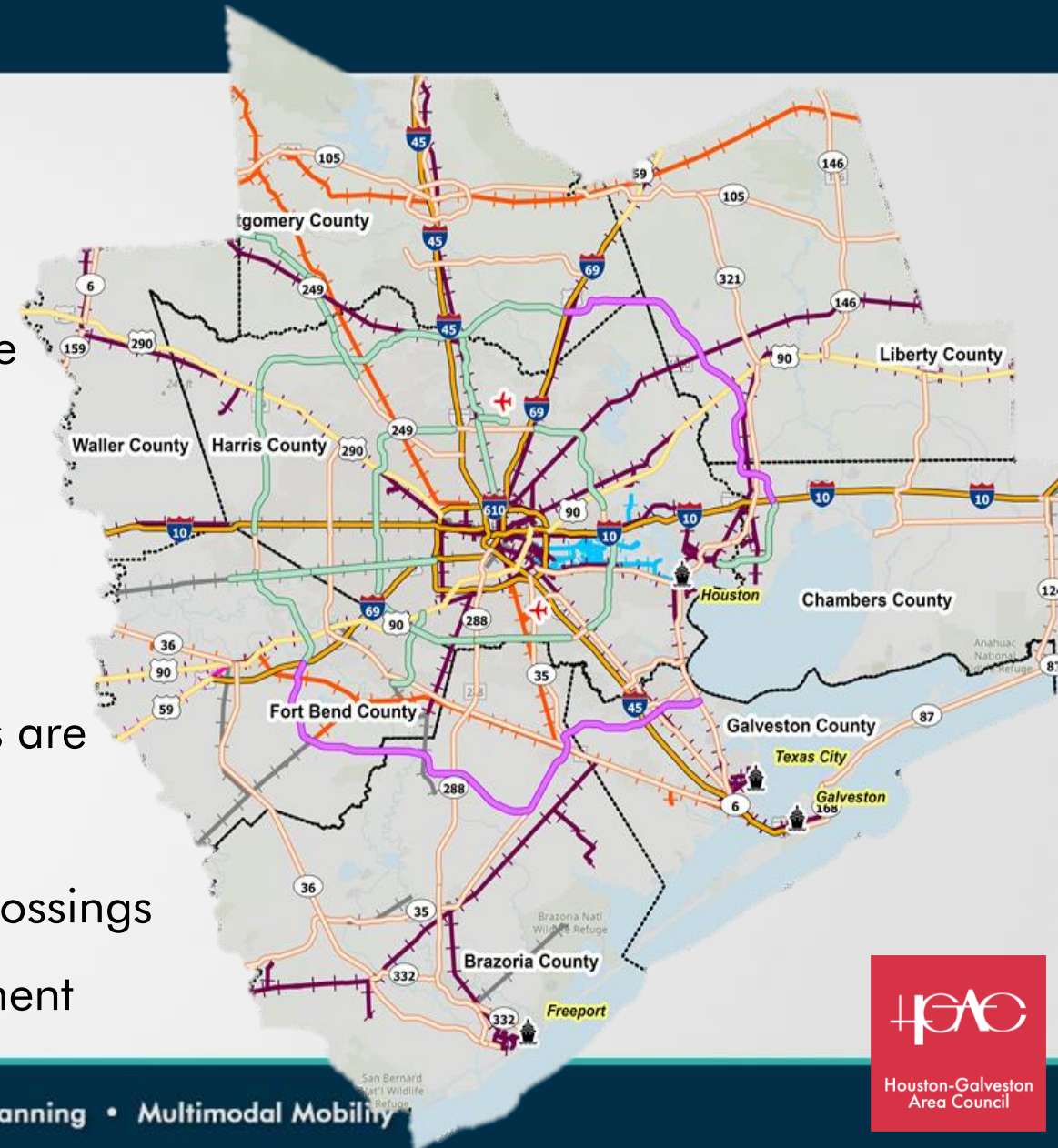
Current Transportation System – Freight

Existing Network

- Road, rail, water, air, and pipeline facilities
- Commercial trucks handle 88% of freight by volume
- Intercontinental Airport handles 98% of air cargo
- 85% of all trade flows through the region's ports

Challenges and Opportunities

- 10 of nation's 100 most congested freight corridors are within Beltway 8
- Roadway and rail conflicts at 1,619 at-grade rail crossings
- New dedicated funding for Regional Goods Movement



Summary of Recommendations – Freight

■ Action Plan Elements

- Summary of Major Corridor and Subregional Investments
- Collaborate with regional partners to mitigate short-term deficiencies on the freight-significant network, including at-grade railroad crossings
- Develop a concept of operations for a freight ITS program
- Improve flow of containers through a virtual container yard to reduce truck trips
- Provide access to growing economic centers outside the urban core

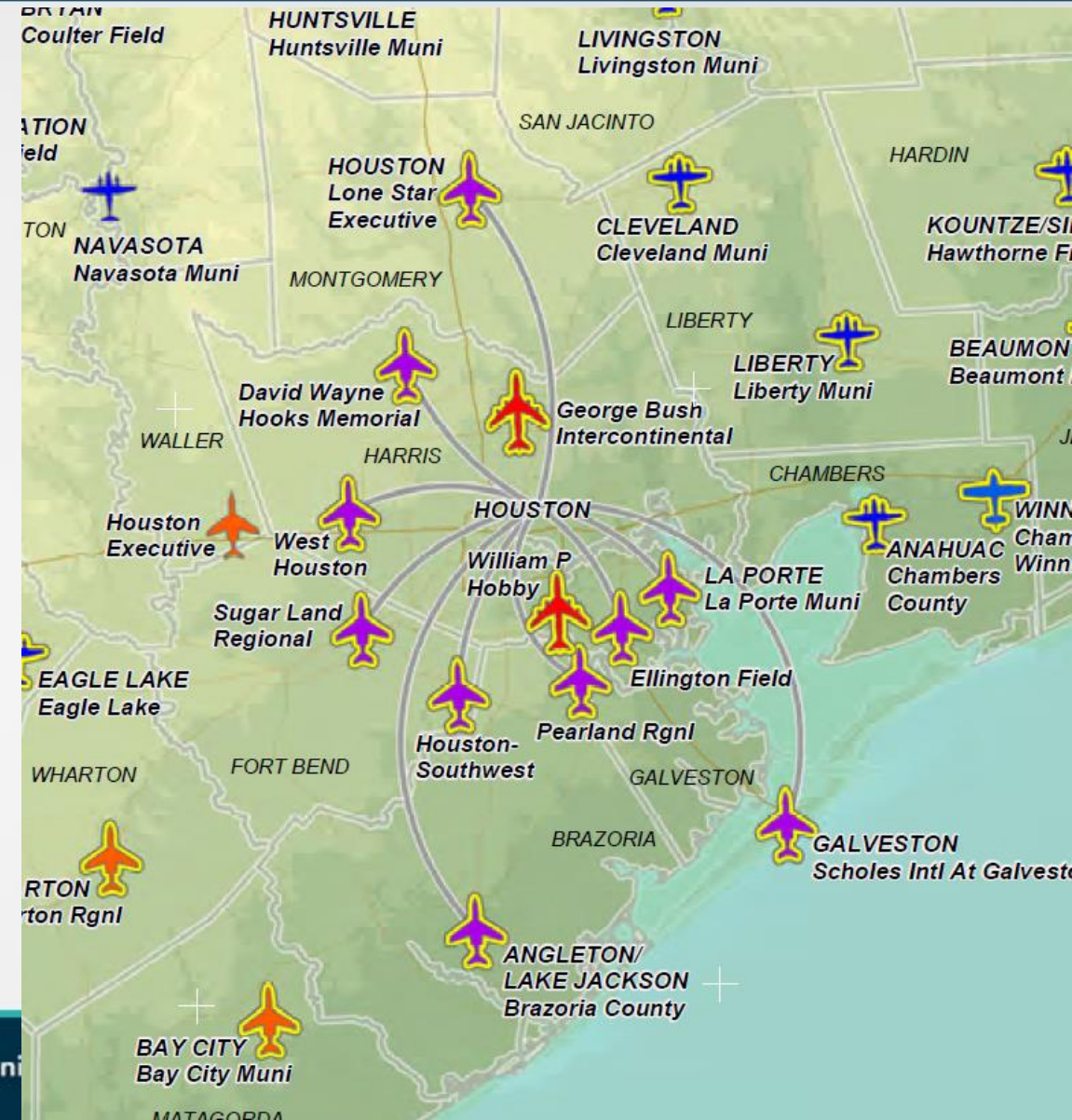
Current Transportation System – Aviation Facilities

Existing Network

- 2 Commercial Airports (IAH and HOU)
- 1 Spaceport / Ellington Airport (EFD)

Challenges and Opportunities

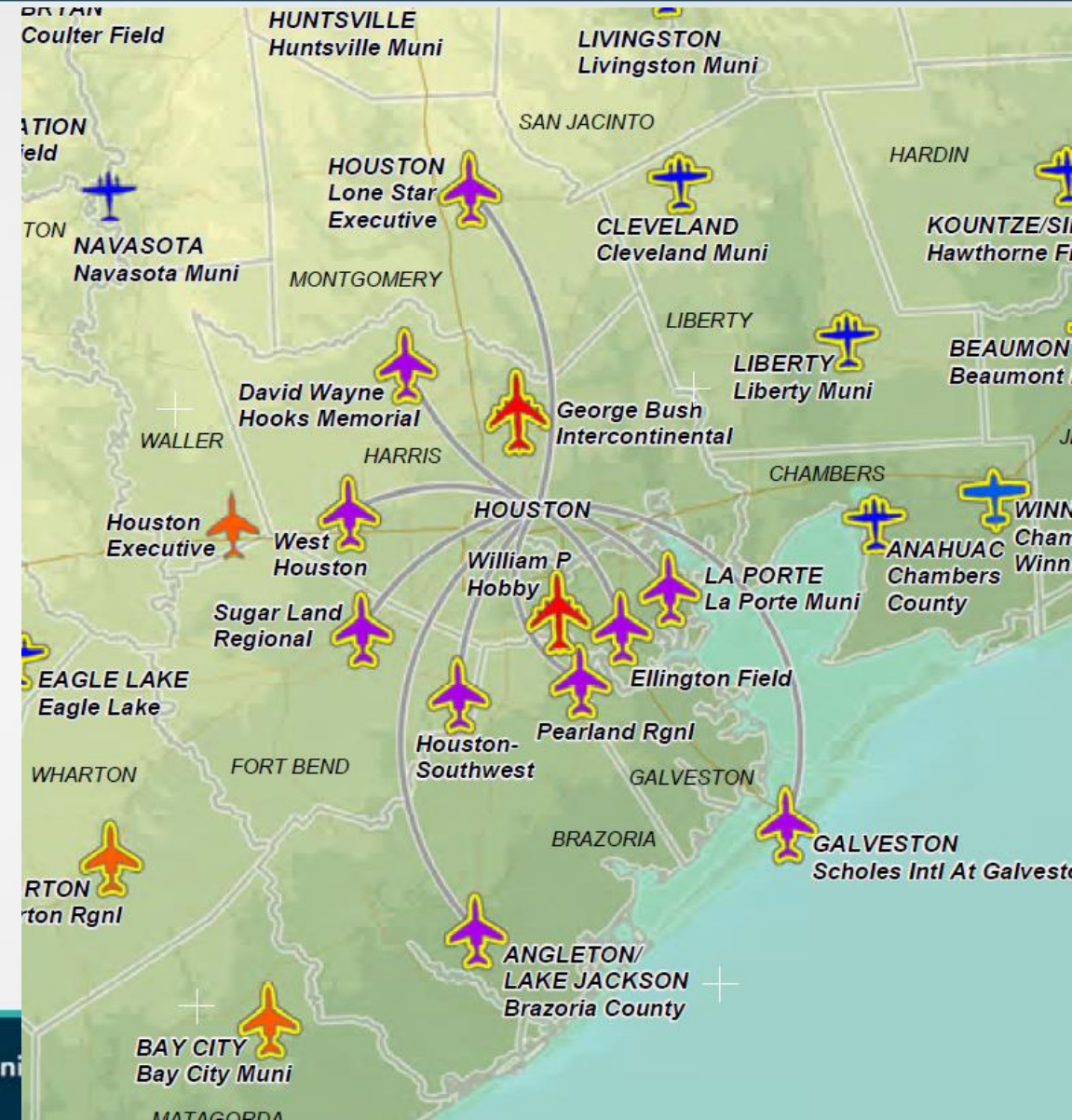
- Passenger traffic rebounding to pre-pandemic levels
- Air cargo / freight access at IAH
- METRORail connection to HOU
- Texas Transportation Commission's Urban Air Mobility Committee Recommendations



Summary of Recommendations – Aviation Facilities

■ Action Plan Elements

- Recommendations included following sections:
 - Major Corridor and Subregional Investments
 - Freight
 - High-Capacity Transit elements



Current Transportation System – Ferry Operations

Existing Network

- Galveston Ferry and Lynchburg Ferry
- Galveston Ferry serves 5 million passengers and 1.5 million vehicles annually
- Lynchburg Ferry serves 400,000 passengers and 200,000 vehicles annually

Challenges and Opportunities

- Galveston Ferry operates with State Highway funds
- Lynchburg Ferry operates with HCTRA funds
- Terminal improvements and ferry replacement projects are anticipated at both locations



Photo: Galveston Ferry Terminal

Summary of Recommendations – Ferry Operations

■ Action Plan Elements

- Recommendations for federal and state funded ferry improvements in Major Corridor and Subregional Investments



Photo: Galveston Ferry Terminal

Current Transportation System – Parking



■ Existing Network

- Parking Management Strategies
- Park and Ride Facilities
- Commercial Vehicle Parking

■ Challenges and Opportunities

- Consider developing a Regional Parking Management best practices guide
- Enhanced Transit Centers / Park and Ride facilities
- Coordination with TxDOT to expand commercial vehicle parking facilities

Summary of Recommendations – Parking



■ Action Plan Elements

- Recommendations for Transit Center / Park and Ride facilities included in High-Capacity Transit element
- Recommendations for Commercial Vehicle Parking would be part of Freight and Regional Goods Movement recommendations

Action Plan – Summary of Recommendations



- Summary of Corridor-based and Subregional Investments
- Other Action Plan programs for planning activities:
 - ✓ High-Capacity Transit
 - ✓ Active Transportation
 - ✓ Freight
 - Safety
 - Reliability
 - Resiliency
 - Equity
 - Livability
 - Analytics
 - Public Outreach
 - Emerging Transportation Technologies

Corridor-based and Subregional – Investment Categories

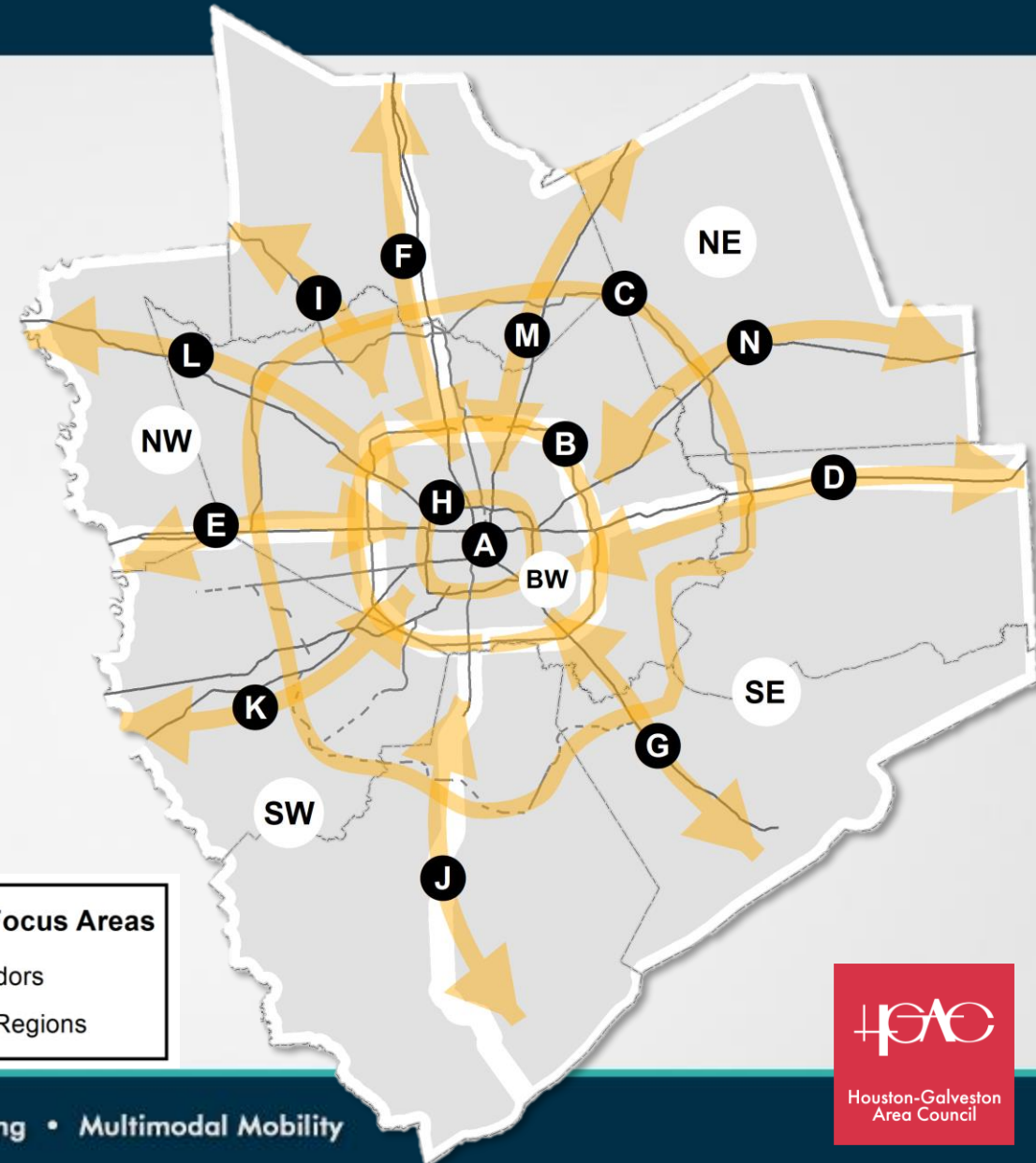


- Summary Table includes:

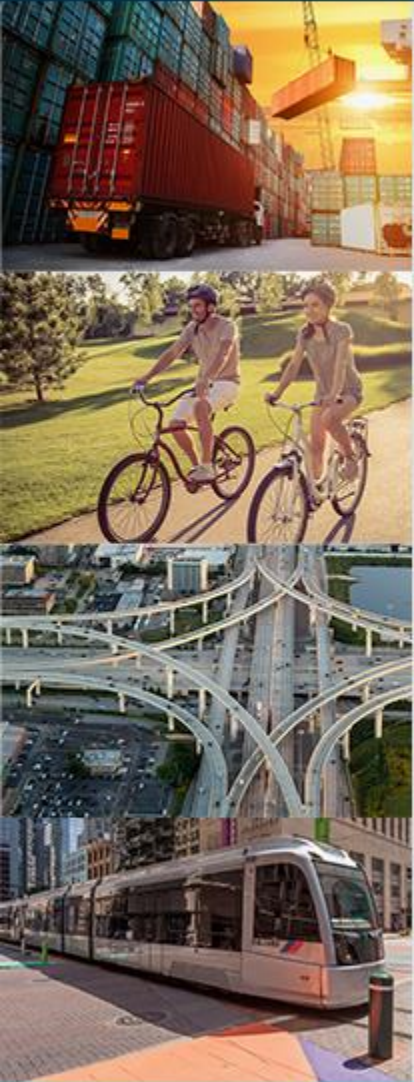
- Corridors / Subregions
- Type of Investment
 - Roadway, Transit, etc.
- Amount for each facility

- Summary Sheets

- Located in Appendix



Planning Activities – Safety

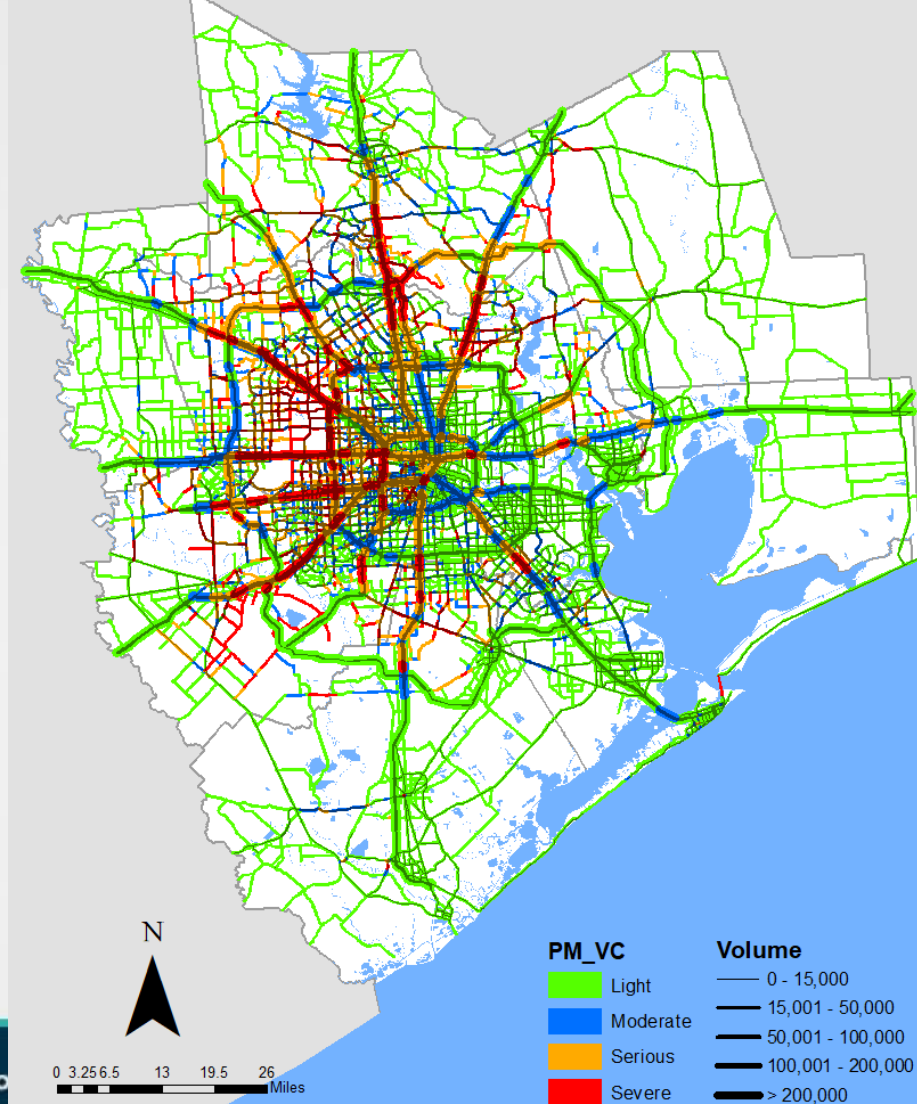


- Update the Regional Safety Action Plan
 - Realize the region’s Vision Zero policy
 - Support transportation investments that strive to reduce the region’s traffic fatalities to zero by 2050.
- Utilize a “Safe System Approach”
 - Design and implement facilities that safely accommodate all modes and reduce risk and severity of injuries.
- Coordinate with region’s public safety officials
 - Ensure “Safe System Approach” principles and strategies are utilized.

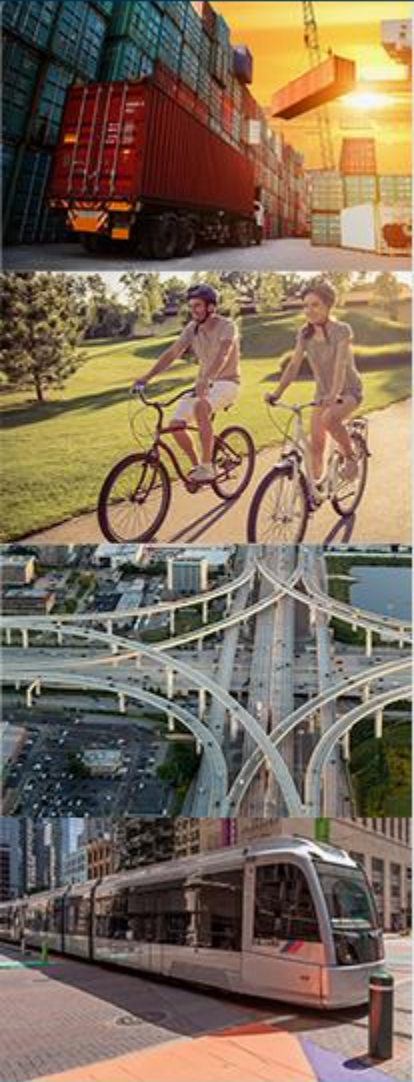
Planning Activities – Reliability

- Develop a Congestion Management Plan
 - Reduce vehicle miles traveled in the region
 - Improve options to access jobs
 - Prioritize projects and programs that:
 - Reduce congestion
 - Increase access to jobs in congested areas

2045 Congestion Levels with Improvements



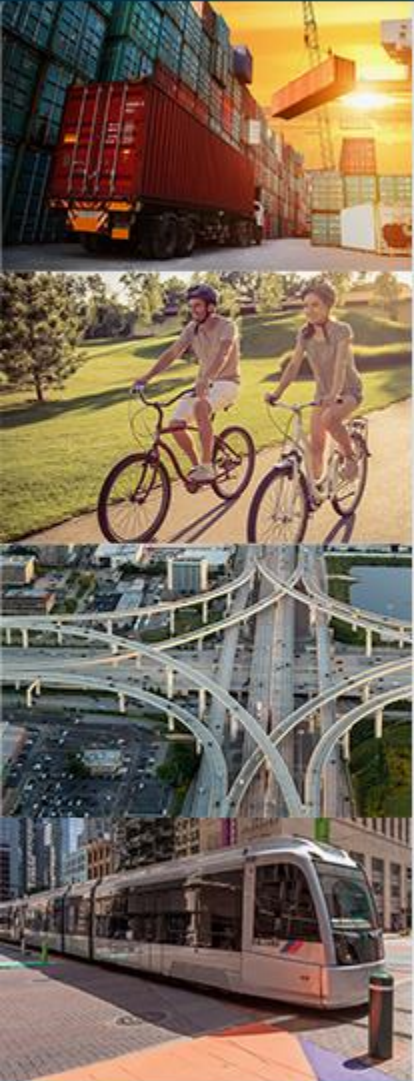
Planning Activities – Resiliency



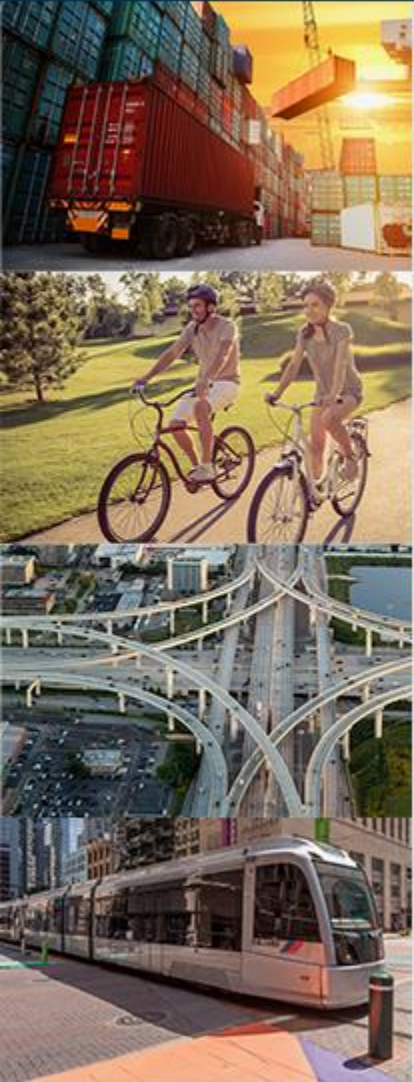
- Develop a Regional Resiliency Improvement Plan
- Incorporate Resilience and Durability to Extreme Weather Pilot Program findings into H-GAC processes
- Form a Transportation Resiliency Working Group to develop a multi-year strategy
- Actively participate in and contribute to the Texas MPO Resiliency Working Group

Planning Activities – Equity

- Develop, adopt, and implement a Regional Equity Policy
- Ensure regional investments align with identified needs in all local communities
- Evaluate alternative investment scenarios as part of the transportation planning process



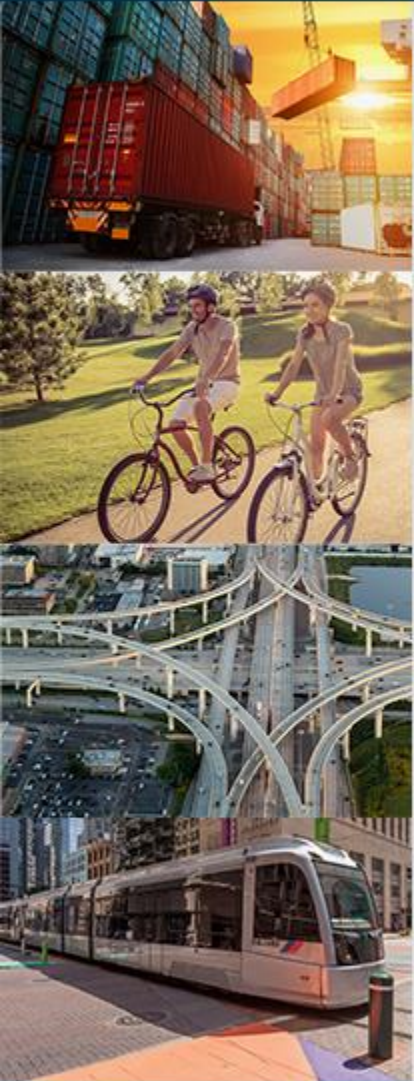
Planning Activities – Livability



- Develop a Regional Complete Streets Prioritization Plan
 - Projects that Improve safety, mobility, accessibility of a street
- Identify priority Transit Centers and Park and Ride locations for Transit-Oriented Development
- Investment in the High-Growth Areas of the region.

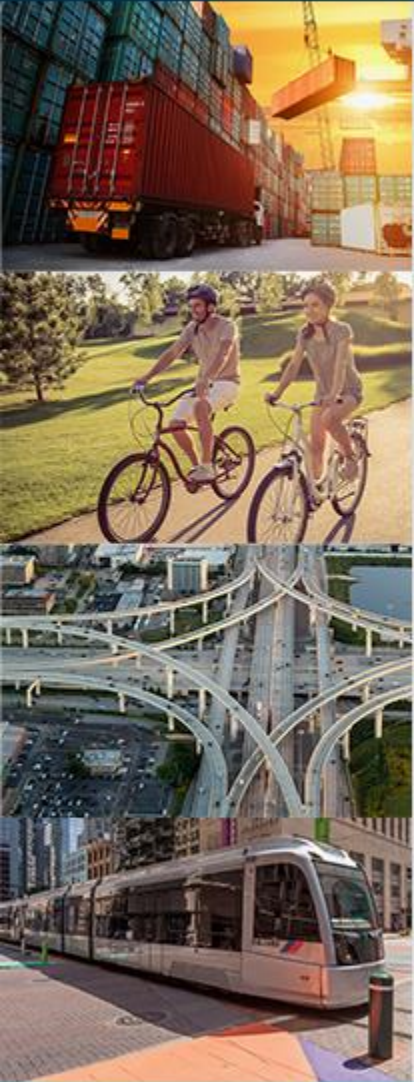
Planning Activities – Analytics

- Utilize a performance-based and data-informed approach
- Utilized best-practices in Scenario Planning to:
 - Evaluate various land use development scenarios
 - Evaluate various transportation investment scenarios



Planning Activities – Public Outreach

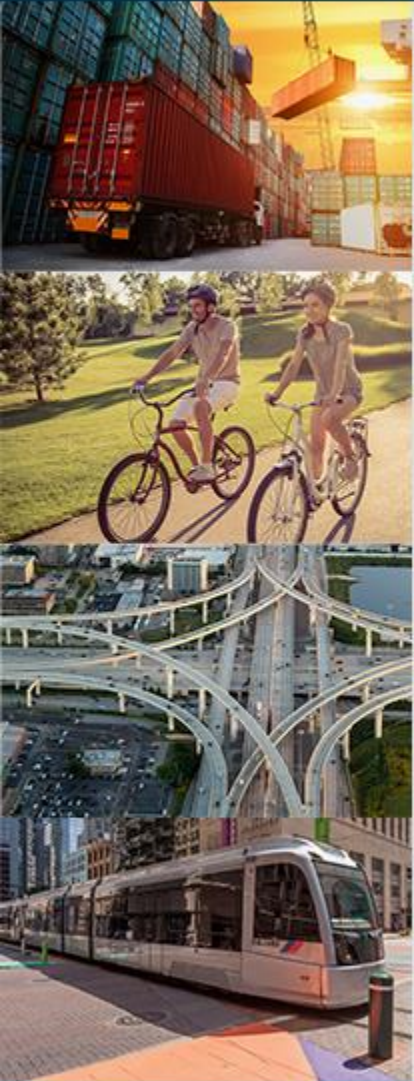
- Identify best practices for both virtual and in-person public participation.
- Identify methods of outreach to provide better awareness and opportunities in vulnerable populations.



Planning Activities – Emerging Technologies

■ Electric Vehicle Infrastructure

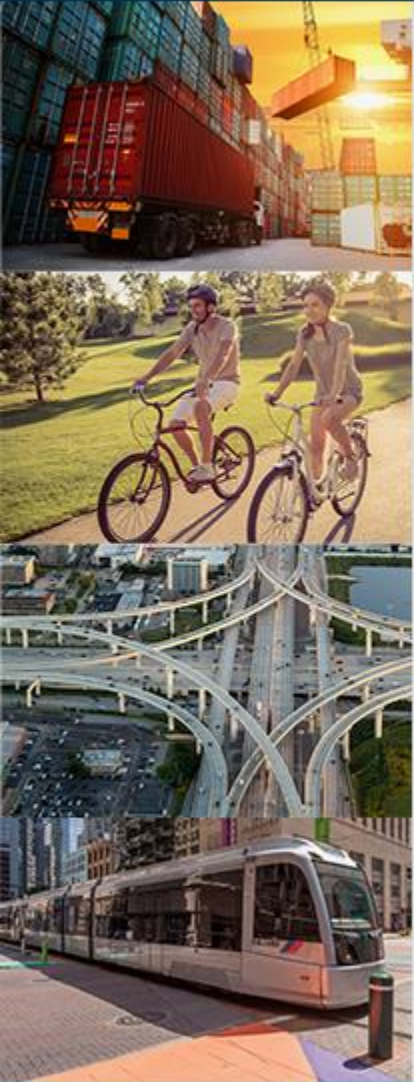
- Install DC Fast Charge stations:
 - Along Alternative Fuel Corridors
 - At or near county seats
 - Within large urban areas
- Collect data from the network to assess usage and identify trends for future development



Planning Activities – Emerging Technologies

■ Autonomous and Connected Vehicles

- Develop and promote a strategic plan
- Educate public officials and public about Connected and AV benefits
- Identify opportunities for:
 - Early deployment of Connected and Automated Vehicles
 - Reducing operating costs
 - Integrated multimodal transit system and pilot programs
 - Public/private partnerships





Phase 3 Outreach Timeline



February 8, 2023
RTP Subcommittee



RTP Outreach and Conformity Schedule

	2023																								
	January					February				March				April				May				June	July	August	
	2	9	16	23	30	6	13	20	27	6	13	20	27	3	10	17	24								
RTP Materials																									
Chapters and Appendices					30-Jan																				
Mapping and Modeling									3-Mar																
Review with Stakeholders						6-Feb			3-Mar																
TAC/TPC Preview							15-Feb	24-Feb			15-Mar	24-Mar													
TAC/TPC Approval																19-Apr	28-Apr								2-Aug
H-GAC Board of Directors								21-Feb																	
Public Outreach - PH3																									
Notifications						6-Feb			3-Mar																
Online Presentation										6-Mar	13-Mar														
Public Review Period											15-Mar	24-Mar				17-Apr	28-Apr								
Virtual Public Meeting												21-Mar													
Conformity																									
Approve Model Network	2-Jan																								
TDM/Moves Model Runs		3-Jan					15-Feb																		
Conformity Documentation						6-Feb					10-Mar														
TAC/TPC Preview											15-Mar	24-Mar													
Public Comment Period											15-Mar	24-Mar					17-Apr								
TAC/TPC Approval																19-Apr	28-Apr								
Conformity Review Period																	28-Apr								2-Aug
Conformity Deadline																									2-Aug

Timeline

