MEETING OF THE RTP SUBCOMMITTEE HOUSTON-GALVESTON AREA COUNCIL

MEMBERS PLEASE USE THE TEAMS INVITATION

TELECONFERENCE PARTICIPATION VIA MICROSOFT TEAMS

<u>+1 346-262-0140</u> United States, Houston (Toll) Conference ID: 641 945 004#

> July 14, 2021 1:30PM

AGENDA

- 1. Call to Order Roll Call Attendance
- 2. Acceptance of Minutes *From meeting of June 9, 2021*
- 3. Discussion of the 2045 RTP Updating Strategy Staff will present and ask for comments on initial strategy for updating the 2045 RTP
- 4. Announcements
 - a. Next TPC Meeting July 23, 2021 at 9:30AM (Teleconference)
 - b. Next RTP Subcommittee Meeting August 11, 2021 at 1:30PM (Teleconference)
 - c. Next TAC Meeting August 18, 2021 at 9:30AM (Teleconference)
- 5. Adjourn

RTP Subcommittee Roster

Organization

Primary-Name

Primary-Name	Organization	Alternate-Name	Organization
Monique Johnson	City of Sugar Land	Krystal LaStrape	City of Sugar Land
Bill Zrioka	Houston Airport System	David Leslie	Houston Airport System
Andrea French	TAG-Houston Region	Nikki Knight	Southeast Management Dist.
Elijah Williams	Energy Corridor	Elizabeth Whitton, AICP	Energy Corridor
Iris Gonzalez	Coalition for Env., Equity & Res.	Jonathan Brooks	LINK Houston
Adam France, AICP	City of Conroe	Chris Bogert, P.E.	City of Conroe
Christopher Sims	City of League City	Hon. Chad Tressler	City of League City
Matt Hanks	Brazoria County	Karen McKinnon	Brazoria County
David Fields	City of Houston-P&D	Katrina Bayer	City of Houston-PW
Hon. Jay Knight	Liberty County	David Douglas	Liberty County
Loyd Smith, P.E.	Harris County	Bryan Brown	Harris County
Morad Kabiri, P.E.	City of Friendswood	Robert Upton, P.E.	City of Pearland
Nick Woolery	City of Baytown	Frank Simoneaux	City of Baytown
Yancy Scott	Waller County	Jared Chen	Waller County
Katherine Parker	Gulf Coast Rail District	Carol Lewis, PhD	TSU
Bruce Mann	Port of Houston	Rohit Saxena	Port of Houston
Rodger Rees	Port of Galveston	Brett Milutin	Port of Galveston
Charles Airiohuodion	TxDOT-HOU	Jeffrey English	TxDOT-HOU
Lisa Collins	TxDOT-BMT	Scott Ayres	TxDOT-BMT
Ken Fickes	Harris County	Vernon Chambers	Harris County
Perri D'Armond	Fort Bend County	Stacy Slawinski	Fort Bend County
Kenneth Brown	METRO	Philip Brenner	METRO
John Tyler	HCTRA	Dale Hilliard	HCTRA

Alternate-Name

Organization

MEETING OF THE RTP SUBCOMMITTEE HOUSTON-GALVESTON AREA COUNCIL TELECONFERENCE PARTICIPATION VIA MICROSOFT TEAMS

May 12, 2021 1:30PM Minutes

Member Attendance:

Primary-Name	Present	Present Alternate-Name	
Morad Kabiri, Chair	Yes	Robert Upton	No
Perri D'Armond, Vice Chair	Yes	Stacy Slawinski	No
Monique Johnson	Yes	Krystal LaStrape	Yes
Bill Zrioka	Yes	David Leslie	No
Andrea French	No	Nikki Knight	Yes
Elijah Williams	Yes	Elizabeth Whitton	Yes
Iris Gonzalez	No	Jonathan Brooks	Yes
Adam France	Yes	Chris Bogert	No
Christopher Sims	Yes	Hon. Chad Tressler	No
Matt Hanks	Yes	Karen McKinnon	No
David Fields	Yes	Katrina Bayer	No
Hon. Jay Knight	No	David Douglas	No
Loyd Smith	Yes	Bryan Brown	No
Nick Woolery	Yes	Frank Simoneaux	No
Yancy Scott	Yes	Jared Chen	No
Katherine Parker	Yes	Carol Lewis	No
Bruce Mann	Yes	Rohit Saxena	No
Rodger Rees	Yes	Brett Milutin	No
Charles Airiohuodion	Yes	Jeffrey English	Yes
Lisa Collins	Yes	Scott Ayres	No
Ken Fickes	Yes	Vernon Chambers	No
Kenneth Brown	Yes	Philip Brenner	No
John Tyler	No	Dale Hilliard	No

Others Present: Alan Clark, Alberto Lyne, Andrew Mao, Ayo Jibowu, Adam Beckom, Catherine McCreight, Dale (guest), Jim Dickinson, Diane Domagas, David Fink, Ben Finley, Stephan Gage, Shixin Gao, Brandy George, Thomas Gray, Donte Green, Veronica Green, Harrison (guest), Sandra Holliday, James Koch, Susan Jaworski, Jay (Guest), Sharon Ju, Catherine Kato, Megan Kennison, Sanford Klanfer, Justin Kuzila, Shirley Li, Graciela Lubertino, Jim Mahood, Patrick Mandapaka, Lucinda Martinez, Carlene Mullins, Karen Owen, Frank Pagliei, Ruth Henshall, Ruthanne Haut, Chris Van Slyke, Veronica Waller, Gilbert Washington, Christopher Whaley

Staff Participating:

Mike Burns, Craig Raborn, Vishu Lingala

1. Call to Order

Chair Morad K called the meeting to order at 1:31PM and conducted roll call to ensure a quorum. Morad K confirmed that a quorum was present.

2. Acceptance of Minutes

Jonathan B made a motion to approve, Ken F seconded.

The motion was approved unanimously.

3. Discussion and Possible Recommendations on Requested RTP Amendments
Vishu L presented a summary of the requested RTP Amendments for highway and transit
projects, and the associated public outreach He noted that at the May TPC, TAC, and RTP
Subcommittee meetings that staff received 141 comments during both rounds of public review
and would be preparing a summary report of the comments received. The report will be posted on
the 2045 RTP webpage and the Subcommittee will be notified once it is finalized.
Craig R summarized the review and evaluation criteria. He mentioned that the primary goal was
to ensure that the current RTP vision is considered and not substantially altered, noting that
approval is not automatic and that an evaluation is necessary to develop recommended actions.
He noted that the criteria included consideration the level of urgency, alignment with recent MPO
study or plan, demonstrated some jurisdictional support to the request, evaluation of previous
reviews, consistency with current RTP, and consideration of any high-level Environmental
Justice and Environmental Impact risks.

Vishu L summarized the draft staff recommendations for the 2045 RTP Amendments, which are categorized into three types of approval. The first type of recommendations are projects that are recommended for approval as requested. These included SH288, SH35, I-10E Bridge, I-610E Bridge, I-610S, SL8, SH6, SH99 Segment E and F-2 as requested. The second type of recommendation involves a conditional approval for both segments of SH36A and the I-45/I-10W interchange. The southern section of SH36A is recommended to be included in the RTP implementation schedule contingent upon completion of an expedited planning study to consider the corridor needs and alignment alternatives prior to proceeding to the Environmental phase of the design process. Similarly, the northern section of the SH36A is recommended to be included in the RTP implementation schedule contingent upon completion of a study of needs and alignment alternatives with a condition that the project does not adversely impact property owned or controlled through conservation easements by the Katy Prairie Conservancy. The I-45/I-10W interchange project is recommended contingent upon the completion of a Title VI complaint review by the Federal Highway Administration. The third type of recommendation involves an approval only to include in the RTP as expedited planning studies that evaluate the needs and recommend a scope for the requested projects prior to including them in the RTP implementation schedule. These projects include the SH35, Hempstead Road, I-10W Inner Katy, and I-610W. The type of recommendation requires TPC approval of study recommendations prior to including these projects into the RTP implementation schedule. He summarized the next steps, which include seeking approval of transit project amendments in July, and then, if staff recommendations regarding the amends are approved, start another conformity determination process from July to September with the conformity determination submitted to FHWA in November following TAC/TPC approval.

Craig R noted that the three type of recommendations are draft and for discussion with TxDOT and the Subcommittee. He also noted that the third type of recommendation related to expedited planning studies involves establishing a new Planning and Readiness Program to address issues with delivering projects in the fiscal years they are originally programmed, and to help build consensus and finish MPO planning for high-impact projects. This program would be funded with up to additional 1% of regional STBG suballocation.

Bruce M asked if projects like the 610E Bridge Replacement would be subject to the Planning and Readiness Program, or if they can proceed.

Craig R clarified that the 610E Bridge Replacement was consistent with the regional and local plans and are recommended by staff to be amended as proposed.

Jonathan B thanked staff and noted that it seems like a reasonable approach that addresses comments in a manner that provides a path forward.

Alan C noted that METRO is in the process of hiring a firm for the I-10W Inner Katy BRT design and asked what impact the HGAC recommendation would have on METRO's project since addition study could create some delay.

Craig R responded that the study needs are recommended to be expedited to minimize delays to METRO and TxDOT projects.

Charles A noted that TxDOT has not seen HGAC staff recommendations yet and they appear to conflict with TxDOT plans and that any delay would impact both I-10W Inner Katy projects. A new air quality conformity due to changes will impact schedules for projects. Suggested waiting for TxDOT responses to amendment comments before making a recommendation. He noted that the 610W corridor has been critically congested and was included in the 2008 plan and removed due to funding.

Craig R responded that recommendations are draft and developed recently. RTP projects need to reflect the RTP vision. He noted that he will coordinate with TxDOT following the meeting. Charles A responded that once TxDOT responses to comments will reflect alignment with the RTP.

Craig R noted that TxDOT has done well handling the volume of comments and looks forward to coordination to review the responses.

Jonathan B asked a question in the chat to clarify the Inner Katy expedited study only includes the TxDOT project or also includes the METRO project.

Craig R responded that since both are in the corridor that the study includes both projects.

Bruce M asked if this issue was informational or is action needed.

Craig R responded that TAC will be taking action next week since their recommendation is more critical for TPC review for the end of the month.

Bruce M asked for clarity if this would be an action for TAC

Craig R clarified that a recommendation will be provided to TAC for approval for TPC review. James K asked if SH36A North isn't on the list and asked what it wouldn't be an expedited study. Craig R responded that SH36A North is a 2040 project, so it does not need to be expedited. James K noted a design challenge that the Inner Katy project conflicts with the METRO project

and the project needs to cross a facility to be rebuilt and one project should not preclude another project.

Craig R responded that a design challenge is why an expedited study is recommended with a goal of resolving the challenge so the projects could advance.

David F thanked staff for the effort to find a path forward. He asked will responses to comments be provided to the TAC members.

Craig R responded that about 95% of the comments are done with the last 5% being the more complex comments that require a response.

Andrew M thanked staff for developing a process. He asked how projects get fairly evaluated if criteria is developed after projects are submitted.

Craig R responded that ideally the same process used for the 2018 call for projects. He reviewed the recommended considerations for reviewing the amendments and noted that they aligned with federal regulations and noted that the amendments also needed to align with the region's vision.

And noted that if a project has previously been included and then removed from the RTP indicates that there are consensus issues the MPO staff could help resolve.

Charles A asked if there was a checklist.

Craig R responded that the evaluation document is very rough to share and will share with TxDOT after the meeting to review.

Charles A asked if this is going to be the process going forward.

Craig R responded that the process could evolve going forward and that the TPC policy and prioritization work group established a process for project selection. The process and scoring were informal and informed the evaluation considerations for the amendments. TAC, TIP, and RTP committees need to develop a formal structure for amendments.

Charles A noted that his question related to the process for amendments and evaluating comments to the amendments.

Craig R anticipated that staff will be developing a full step by step process that aligns with TxDOT.

Morad K asked for a motion for a recommendation.

Jonathan Brook made a motion recommending concurrence with the process present by staff to move this process forward contingent on staff finalizing a recommendation for TAC. Seconded by Ken F. The vote was eighteen (18) in favor with Charles A abstaining until receiving more information on the staff recommendation.

4. Announcements

- a. Next TAC Meeting June 16, 2021 at 9:30AM (Teleconference)
- b. Next TPC Meeting June 25, 2021 at 9:30AM (Teleconference)
- c. Next RTP Subcommittee Meeting July 14, 2021 at 1:30PM (Teleconference)

Morad K summarized the future meetings under the announcements.

5. Adjourn

Morad K asked for a motion to adjourn the meeting. A motion was made by Bruce M and seconded by Loyd S to adjourn. The motion was approved unanimously. The meeting adjourned at 2:40PM.

Minutes submitted by: Mike Burns



Regional Transportation Plan (RTP) Purpose



- Federally required
- Minimum 20-year outlook
- Updated every 4 years
- Targets federal, state, local resources for transportation investments
- Aligns with federal, state, regional, local vision
- Fiscally constrained



Relationship with Other Programming Documents





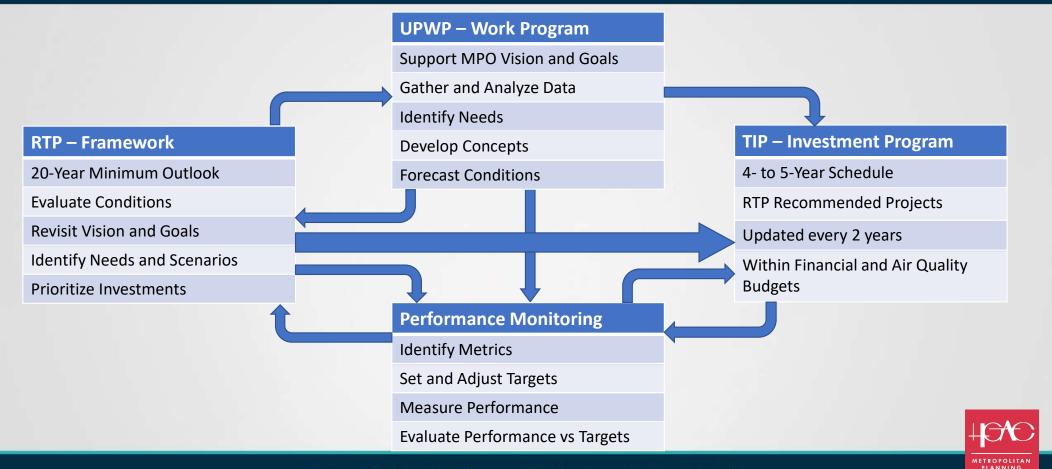
24

YEARS

20

YEARS

Relationship with Other Programming Documents



General / Regional Vision				
Planning	Identify goals, objectives, and performance measure-based needs for the			
Horizon	2050 planning horizon for funding schedule and air quality conformity.			
Trends	Update regional demographic projections			
	Update regional technological, economic, and land use projections			
Outreach	Develop an on-line engagement portal (engage.h-gac.com)			
	Develop strategy for traditionally-underserved populations			
	Coordinate with federally required stakeholders			
Needs	Identify problem areas and needs based on performance measures			
Vision	Develop draft to be reviewed based on qualitative and quantitative data and			
Statement	Statement other regional planning efforts			
	Statement should reflect transportation goals and priorities			

Goals & Objectives

Objectives	Align with the 10 federally required planning factors (23 CFR

Align with established and ongoing planning efforts

Align with regional land use and economic development efforts

Performance Describe federal and any regional PMs with rationale for targets based on Measures

vision and goals

Include reference to the H-GAC Mobility Report

Project federal planning factors and regional vision and goals **Evaluation**

Describe data-driven approach and regional coordination that align with

450.306)

Update based on objectives and performance targets Consider regional and state capital planning priorities

Regional Collaboration • Transportation Planning • Multimodal Mobility

Needs Analysis

Title VI/EJ

Analysis

Performance Analyze projects considered for program schedule to discern impacts on

federal and regional performance measures Measures

Long-range scoring and targets should be set to assist decision-making Refer to needs analysis of supporting regional planning documents

Align with regional air quality conformity targets Air Quality

Consider establishing regional Greenhouse Gas (CO2) analysis and targets with Regional Air Quality Subcommittees

Score projects in terms of their impact on Title VI and environmental justice populations using relevant tools and techniques Prioritize projects that are supported by public planning documents and Title

VI equity analysis

Develop discussion and mapping of equity analysis

Project Prioritization		

Project Priori	tization		
	uzauon		

Major

Scenarios

Constraint

Fiscal

Anticipated regional projects that expand capacity and are over \$100M

Improvements should be explicit

Transit improvements intended for the TIP should be descriptive and explicit to allow for accurate impact analyses

Consider funding scenario of say +/- 10% change in funding outside of fiscal

constraints of the UTP for decision-making; or consider an illustrative list The final filter to consider when identifying projects to be programmed in

the fiscally constrained RTP schedule.

The regional vision, goals, and readiness should drive the prioritization of

projects for the TIP years and outer bands of the RTP

Consider alternative demographic, economic, investment, funding scenarios

Projects outside of constraint without identified funding should be included and discussed in case funding becomes available in the future

RTP Update Schedule

- Current Plan Adopted April 24, 2019 by TPC
 - Conformity Concurrence August 2, 2019
- Expires: RTP: April 10, 2023, Conformity: August 2, 2023



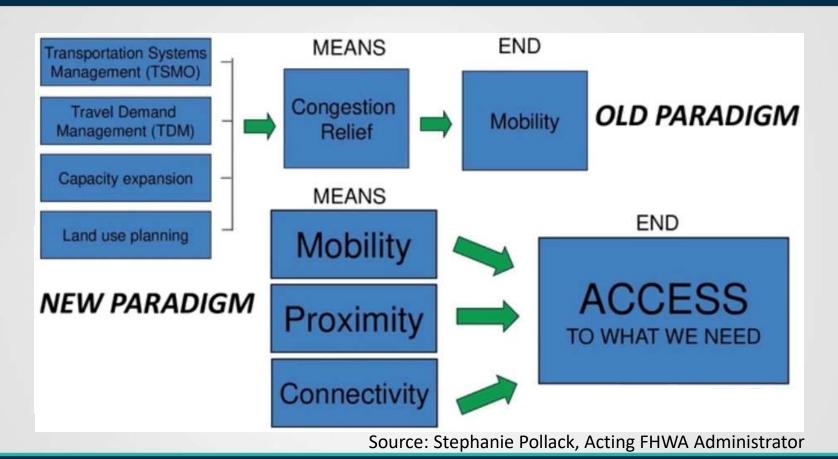
Plan Elements



- Introduction
 - Purpose
 - Federal Statute Requirements
- Public Participation Strategy
 - Public Meetings
 - Public Survey
- Regional Profile
 - Population and Land Use Descriptions
- Vision / Goals / Performance Measures
 - Development Patterns, System Assets, Transportation Demand / System Management
 - Safety, Resiliency, Natural / Cultural Resources



RTP Vision



RTP Vision

MOBILITY









ACCESS







Remote Learning



Telemedicine

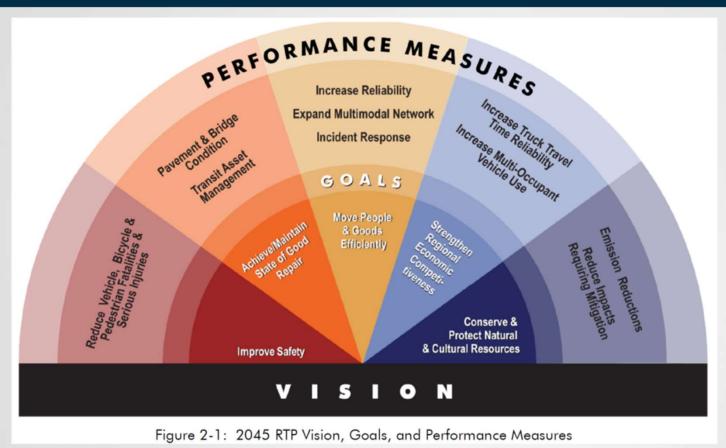


Retail Delivery



RTP Vision, Goals, Performance Measures







RTP Vision - Needs TAC/TPC Review

In the year 2040, our region will have a multimodal transportation system

through coordinated investments that supports a desirable quality of life,

transportation system, achieved through coordinated public and private

investments that support a desirable quality of life, enhanced economic

To improve the region's mobility today and tomorrow by embracing technology

enhanced economic vitality and increased safety, access and mobility.

In the year 2050, our region will have equitably invested in a resilient

Suggestion multimodal transportation system by embracing technology and innovation

enhancements to safety, access, and the natural environment.

that supports economic vitality and a desirable quality of life with

In the year 2045, our region will have an integrated multimodal

vitality and increased safety, access, and mobility.

Vision

Existing

Draft

Other:

NCTCOG

and innovation.

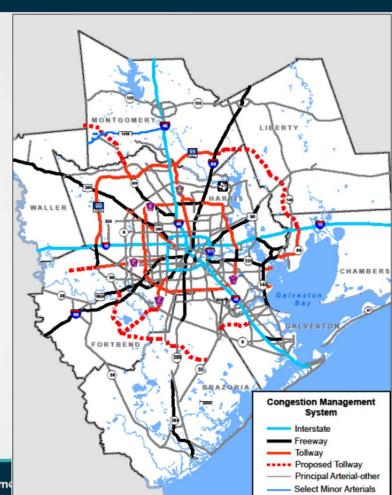
2040

RTP Goals - Needs TAC/TPC Review

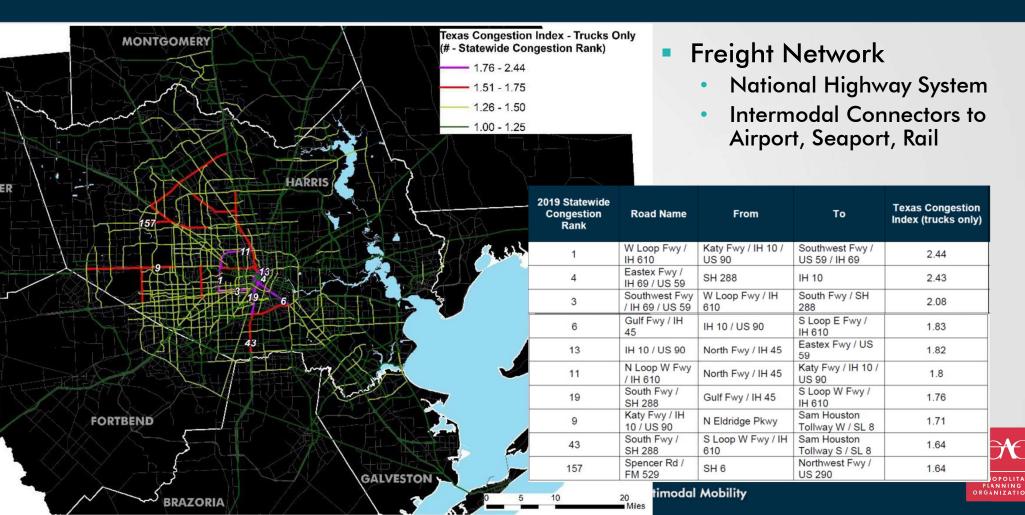
Goals	
Existing	Improve Safety
Suggestion	Improve Safety and Security
Existing	Achieve & Maintain a State of Good Repair
Suggestion	Maintain and Modernize to a Resilient System
Existing	Move People & Goods Efficiently
Suggestion	Move People & Goods Efficiently and Reliably
Existing	Strengthen Regional Economic Competitiveness
Suggestion	Ensure Economic Vitality by Enabling Global
	Competitiveness and Productivity
Existing	Conserve & Protect Natural & Cultural Resources
Suggestion	Кеер
NEW?	Invest equitably in the region

Other Plan Elements - Roadways

- Congestion Management Process
- Eliminate Traffic Fatalities by 2050
 - H-GAC aspirational goal
- Pavement and Bridge Condition
 - Asset Management
- Complete Streets
 - Accommodate all system users and abilities through an accepted policy, comprehensive inventory, and project evaluations
- Intelligent Transportation Systems



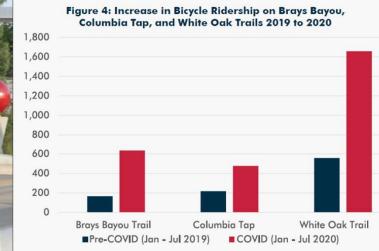
Other RTP Elements – Freight Network

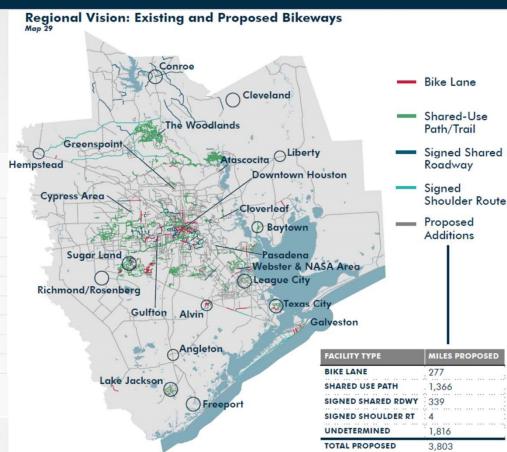


Other RTP Elements – Active Transportation

- Active Transportation
 - Bicycle Network
 - Pedestrian Network

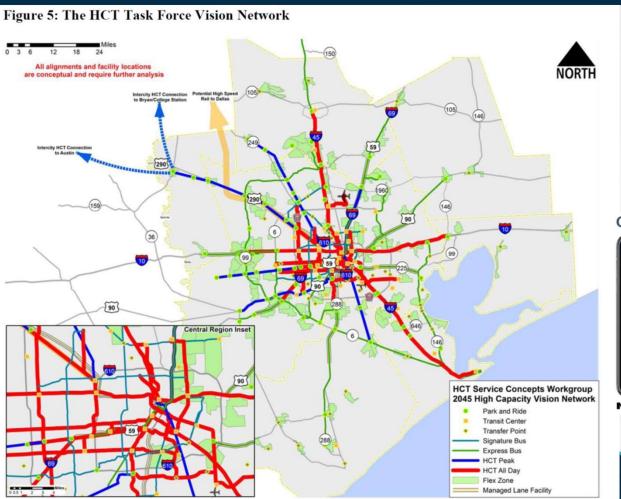








Other RTP Elements – Public Transportation



Transit

- High Capacity, Fixed Route, Paratransit
- Micromobility, Microtransit, Transportation Network Companies (Uber, Lyft, etc)

OFFICE OF INNOVATION













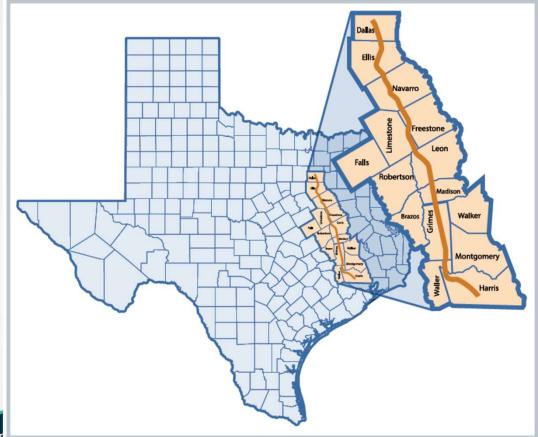
Multimodal Mobility

Other RTP Elements – Passenger Rail

Texas Central Railway

- September 10, 2020:
 - Federal Railroad Administration issued its Rule of Particular Applicability (RPA) and Record of Decision (ROD)
- Potential ridership estimated at:
 - o 6 million annual by 2029
 - More than 13 million annual passengers by 2050

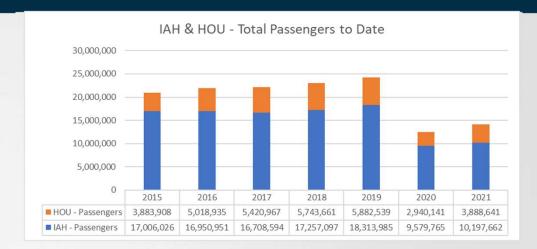
Figure 3-15: Proposed Route of the Texas Central Railway

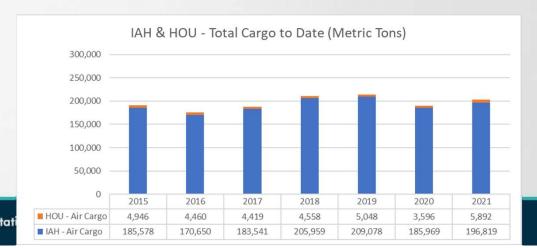


Other RTP Elements – Aviation

- Aviation
 - IAH and HOU
 - Commercial Passengers and Air Cargo
 - Spaceport
 - Research, Development, Tourism Factor

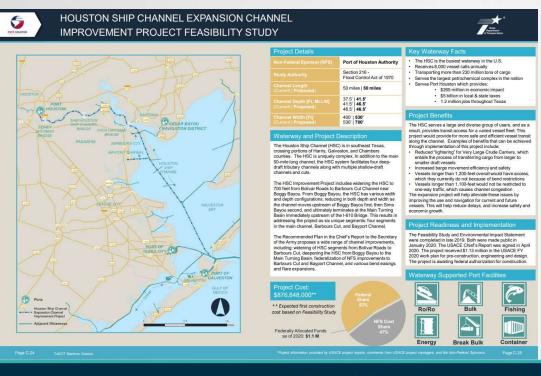


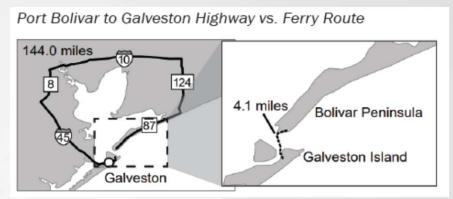




Other RTP Elements – Maritime / Waterways / Ferries

- Maritime (TxDOT Division)
- Ferry Operations (Texas Transportation Plan)





Source: Legislative Budget Board Staff (2019).



Source: Legislative Budget Board Staff (2019), Overview of State Ferry System Operations.



Other RTP Elements - Parking

- Parking
 - Parking Management Strategies used in the region



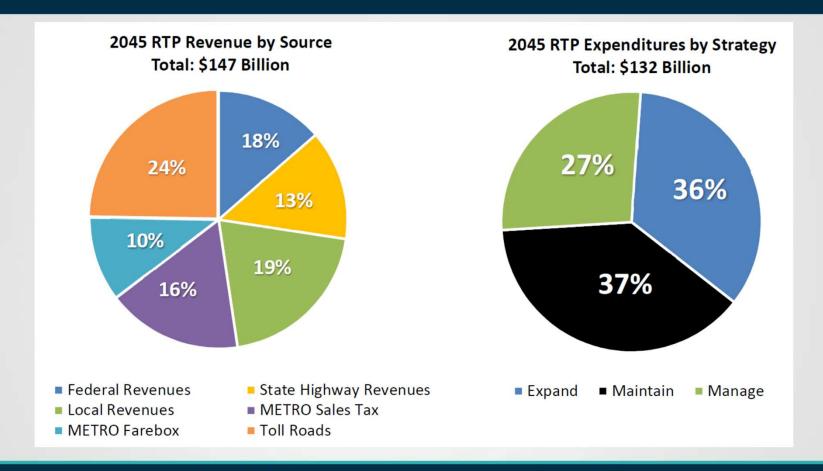
Other RTP Elements



- Safety and Security
- Livable Centers Live, Work, Play within Proximity
 - Housing + Transportation Costs
- Climate Change and Resiliency Strategy
- Action Plan
- Air Quality Conformity



Financials for Action Plan





Other RTP Elements – Conformity

Federal Air Quality Budget / Performance Target

Table 6.3: Conformity Analysis Results versus HGB Serious RFP MVEBs

Year	NOx Emissions (tpd)	NOx Budget (tpd)	VOC Emissions (tpd)	VOC Budget (tpd)	VMT
2020	77.03	87.69	51.04	57.70	188,200,352
2030	43.54	87.69	33.01	57.70	228,967,318
2040	37.96	87.69	24.84	57.70	267,995,566
2045	40.25	87.69	25.32	57.70	286,876,227

- Regional Performance Target?
 - Greenhouse gas emission (CO²)
 - CO2-equivalent CO2e



Questions

- Current Plan Adopted April 24, 2019 by TPC
 - Conformity Concurrence August 2, 2019
- Expires: RTP: April 10, 2023, Conformity: August 2, 2023

