

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

**MEMBERS PLEASE USE THE TEAMS INVITATION**

**TELECONFERENCE PARTICIPATION VIA MICROSOFT TEAMS**

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Conference ID: 641 945 004#

**August 11, 2021**

**1:30PM**

**AGENDA**

1. Call to Order  
*Roll Call Attendance*
2. Acceptance of Minutes  
*From meeting of July 14, 2021*
3. Discussion of the 2045 RTP Updating Strategy
  - a. Vision Statement – David Fields comments
  - b. 2040 RTP and 2045 RTP – Visioning Map and Regional Investment Corridors
  - c. Stakeholder Outreach Strategy – Federally Required and Other Stakeholders
4. Announcements
  - a. Next TAC Meeting – August 18, 2021 at 9:30AM (Teleconference)
  - b. Next TPC Meeting – August 27, 2021 at 9:30AM (Teleconference)
  - c. Next RTP Subcommittee Meeting – September 15, 2021 at 1:30PM (Teleconference)
5. Adjourn

**MEETING OF THE RTP SUBCOMMITTEE  
HOUSTON-GALVESTON AREA COUNCIL  
TELECONFERENCE PARTICIPATION VIA MICROSOFT TEAMS  
July 14, 2021  
1:30PM  
Minutes**

**Member Attendance:**

<b>Primary-Name</b>	<b>Present</b>	<b>Alternate-Name</b>	<b>Present</b>
Morad Kabiri, Chair	Yes	Robert Upton	Yes
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	No	Elizabeth Whitton	Yes
Iris Gonzalez	No	Jonathan Brooks	Yes
Adam France	Yes	Chris Bogert	No
Christopher Sims	Yes	Hon. Chad Tressler	No
Matt Hanks	No	Karen McKinnon	Yes
David Fields	Yes	Katrina Bayer	No
Hon. Jay Knight	No	David Douglas	No
Loyd Smith	Yes	Bryan Brown	Yes
Nick Woolery	No	Frank Simoneaux	No
Yancy Scott	Yes	Jared Chen	No
Katherine Parker	Yes	Carol Lewis	Yes
Bruce Mann	Yes	Rohit Saxena	No
Rodger Rees	No	Brett Milutin	No
Charles Airiohuodion	Yes	Jeffrey English	Yes
Lisa Collins	No	Scott Ayres	Yes
Ken Fickes	No	Vernon Chambers	Yes
Kenneth Brown	Yes	Philip Brenner	Yes
John Tyler	No	Dale Hilliard	Yes

**Others Present:** Adam Beckom, Andrew Mao, Eric Boulet, Andrew DeCandis, Jim Dickinson, Carrie Evans, David Fink, Ben Finley, Stephan Gage, Shixin Gao, Brandy George, Thomas Gray, Donte Green, Veronica Green, Sandra Holliday, Allie Isbell, Jared Chen, Susan Jaworski, Catherine Kato, Megan Kennison, Sanford Klanfer, Justin Kuzila, Paresh Lad, Vishu Lingala, Graciela Lubertino, Carlos Lugo, Patrick Mandapaka, Carlene Mullins, Karen Owen, Frank Pagliei, Cameron Stawicki, Chris Van Slyke, Kathryn Vo, Veronica Waller, Gilbert Washington

**Staff Participating:**

Mike Burns

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  
Perri D made a motion to approve, David F seconded.  
The motion was approved unanimously.

3. Discussion of the 2045 RTP Updating Strategy

Mike B summarize the RTP Updating guidance for visioning, goals, needs analysis and prioritizations; reviewed the updating schedule through August 2023; summarized each of the plan elements, and asked for initial comments to help guide the updating effort.

David F mentioned that visioning is important at this stage, and safety should be moved to the beginning of the vision statement so that the region would achieve a safe and resilient multimodal transportation system as the goal with the enhancements being an outcome of that achievement. And he noted that vision zero is at the forefront of a lot of planning efforts in the region.

Robert U asked about the schedule for providing comments on the vision.

Mike B responded that there is no set deadline yet and comments can be provided up to and after the public surveying that will help guide the visioning.

Patrick M added that the vision and goals will strive to be measurable, quantifiable, and concrete that provides a framework for guiding project development and scopes.

Morad K mentioned that he is a fan of the simpler vision, as shown in the Dallas region's example, with goals guiding how to achieve the vision.

Bruce M mentioned that the region is not in attainment for air quality and that issue should be in the vision. And added that since 50% of the region's economy is driven by activity in the ports that freight and the ports should be a focus.

Monique J agreed with Morad K and Bruce M that a simpler vision with supporting goals is best.

Charles A mentioned that when moving people and goods that freight and the port connectivity through the National Highway System is important and should be recognized in the process.

Jonathan B offered to be a resource and help developing survey questions and outreach in a work group or other capacity.

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)

David F asked if the September meeting could be rescheduled since it is currently schedule for a religious holiday.

Morad K suggested polling the members for a September meeting date.

Mike B agreed to prepare that for the next meeting.

5. Adjourn

Morad K asked for any other questions or comments. Hearing none, the Chair declared the meeting adjourned at 2:20PM.

Minutes submitted by: Mike Burns

# RTP Subcommittee Roster

Primary – Name	Organization	Alternate – Name	Organization
Monique Johnson	City of Sugar Land	Krystal LaStrape	City of Sugar Land
Bill Zrioka	Houston Airport System	Marcel Allen	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	VACANT	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	GCRD	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



# Regional Transportation Plan Update



Mike Burns, AICP  
RTP Subcommittee – 08/11/2021

# RTP Vision – Needs TAC/TPC Review

Vision	
2040	In the year 2040, our region will have a multimodal transportation system through coordinated investments that supports a desirable quality of life, enhanced economic vitality and increased safety, access and mobility.
Existing	<b>In the year 2045, our region <u>will have an integrated multimodal transportation system, achieved through coordinated public and private investments</u> that support a desirable quality of life, enhanced <u>economic vitality</u> and increased safety, access, and <u>mobility</u>.</b>
Draft Suggestion	<i>In the year 2050, our region <u>will have</u> <u>equitably invested in a resilient</u> multimodal transportation system <u>by embracing technology and innovation</u> that supports economic vitality and a desirable quality of life <u>with enhancements to</u> safety, access, and <u>the natural environment</u>.</i>
David Fields	A safe, resilient, equitable, and efficient transportation system for all travelers.
Other: NCTCOG	To improve the region’s mobility today and tomorrow by embracing technology and innovation.

# 2040 and 2045 RTP Comparison – Future Vision Map



## Future Vision

Map 10

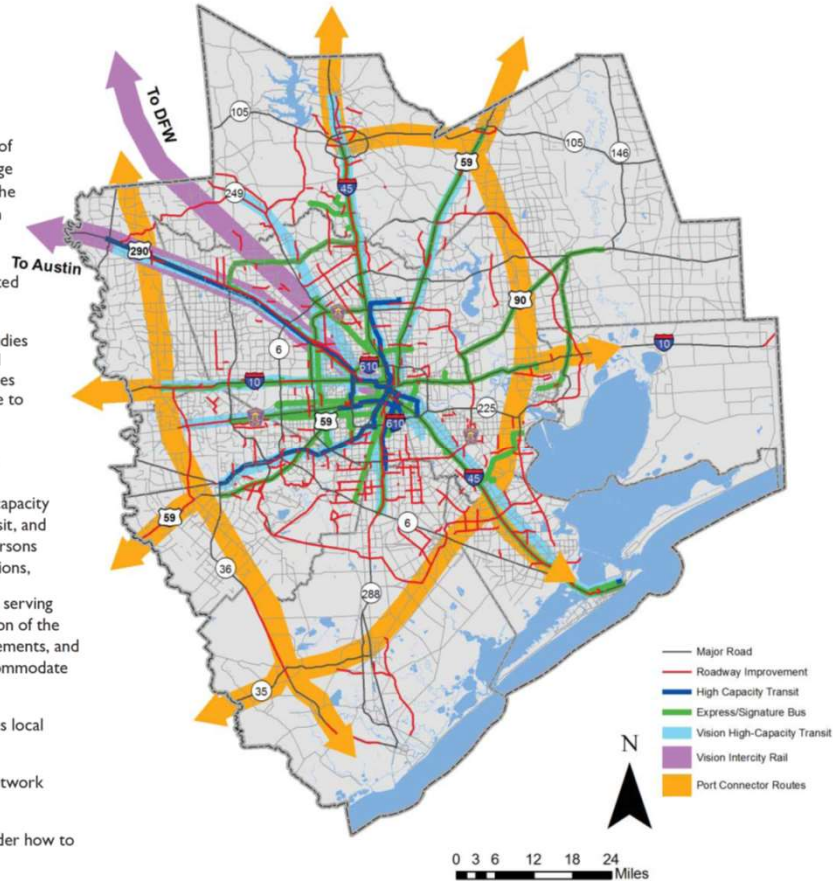
Not all needs identified through this process are included in the 2040 RTP recommendations. Many of the improvements with the most potential to change “transportation” as we know it today are outside the reach of available investment dollars—making them “unfunded” with respect to the 2040 RTP. When compiled together, they represent a vision for the future of regional transportation, and are represented conceptually in Map 10.

The recommendations come from more than 20 studies assisted by H-GAC as well as local governments and state and local transportation agencies. It also includes projects that were removed from previous plans due to fiscal constraint.

Examples of projects that support the vision include:

- Extensive transit network—700 miles of high-capacity transit, light rail, commuter rail, bus-rapid transit, and high-speed inter-city passenger rail to move persons within the region and between neighboring regions,
- Significant investment in major travel corridors serving both travelers and freight such as the completion of the Grand Parkway, intermodal connector improvements, and the construction of freight relief routes to accommodate ports-area mobility,
- A completed network of more than 2,600 miles local thoroughfares; and
- A robust, interconnected pedestrian/bicycle network of more than 986 miles.

Future updates to the 2040 RTP will need to consider how to advance the regional system closer to this vision.



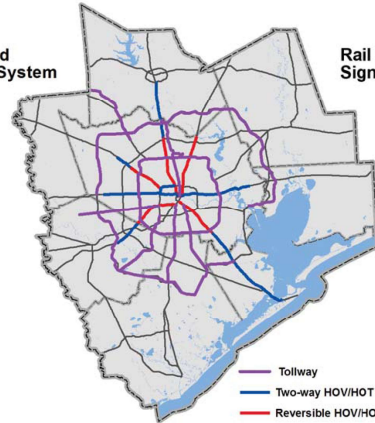
# 2040 and 2045 RTP Comparison – Future Vision Map



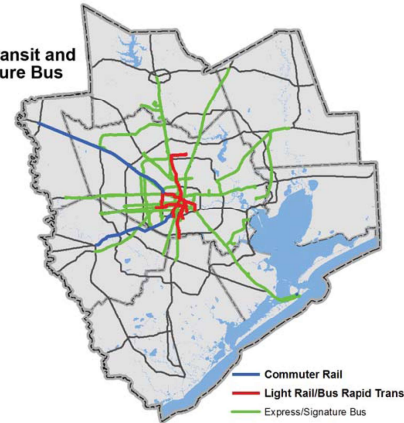
## 2040 RTP System Features

Map 12

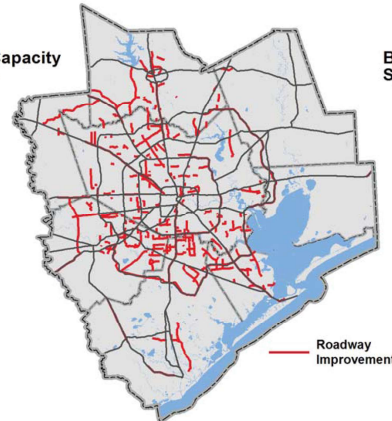
Tollway and HOV/HOT System



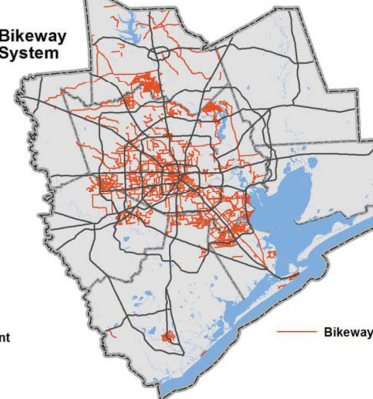
Rail Transit and Signature Bus



Added Capacity Projects



Bikeway System





# 2040 and 2045 RTP Comparison – Major Investment Corridor Summary Sheets



## 2040 RTP



	STRATEGY 1 SYSTEM MANAGEMENT AND OPERATIONS	STRATEGY 2 STATE OF GOOD REPAIR	STRATEGY 3 MULTIMODAL NETWORK EXPANSION WIDENING	STRATEGY 3 MULTIMODAL NETWORK EXPANSION CONSTRUCTION	STRATEGY 4 DEVELOPMENT COORDINATION	TOTAL
<b>CORRIDOR-BASED MAJOR INVESTMENTS</b>						
A. BW 8	N/A	N/A	\$1,289,400,000	N/A	N/A	\$1,289,400,000
B. Downtown Loop	\$44,309,000	N/A	N/A	N/A	N/A	\$44,309,000
C. GPW	\$801,300,000	N/A	\$86,600,000	\$3,108,409,037	N/A	\$3,996,309,037
D. IH 10E	N/A	N/A	\$32,900,000	N/A	N/A	\$32,900,000
E. IH 10W	\$17,000,000	\$3,779,400	\$911,308,063	\$98,094,299	N/A	\$1,030,181,762
F. IH 45 North of IH 10	\$64,641,007	N/A	\$87,858,553	\$236,538,991	N/A	\$444,875,822
G. IH 45S	\$7,581,898	N/A	\$817,521,365	N/A	N/A	\$1,478,937,116
H. IH 610	\$142,101,000	\$169,300,000	N/A	\$24,300,000	N/A	\$335,701,000
I. SH 146	\$69,511,758	N/A	\$576,000,000	\$47,090,744	N/A	\$692,602,502
J. SH 249	N/A	N/A	\$436,310,000	\$638,495,210	N/A	\$1,074,805,210
K. SH 288	\$129,500,000	\$325,100,000	\$1,012,936,045	\$261,000,000	N/A	\$1,728,536,045
L. SH 36	\$17,167,217	N/A	\$609,500,000	\$14,317,318	N/A	\$640,984,535
M. Southwest Corridor	\$35,683,000	\$58,129,440	\$1,185,650,670	\$320,861,162	N/A	\$1,600,324,272
N. US 290	\$496,108,665	N/A	\$1,225,084,876	\$2,330,915,184	N/A	\$4,052,108,725
O. US 59N	\$10,126,696	\$140,300,000	\$36,250,000	N/A	N/A	\$186,676,696

## 2045 RTP

	STRATEGY 1 MANAGE [System Management and Operations]	STRATEGY 2 MAINTAIN [Asset Management]	STRATEGY 3 EXPAND [Transportation Network Capacity]	TOTAL
<b>CORRIDOR - BASED MAJOR INVESTMENTS</b>				
A. BW 8	\$171,060,455	NA	\$92,210,650	\$263,271,105
B. GPW	\$3,039,631,514	\$17,358,361	\$804,832,838	\$3,861,822,713
C. IH 10E	\$480,448,759	\$17,961,814	NA	\$498,410,573
D. IH 10W	\$350,305,370	\$96,450,000	\$661,472,604	\$1,108,227,974
E. IH 45 North of IH 10	\$425,207,762	NA	NA	\$425,207,762
F. IH 45S	\$93,658,303	\$122,000,000	\$747,950,000	\$963,608,303
G. IH 610	\$297,405,625	\$96,545,811	NA	\$393,951,436
H. SH 146	\$13,915,000	\$15,787,734	\$595,409,960	\$625,112,694
I. SH 249	\$3,295,380	NA	\$290,528,541	\$293,823,921
J. SH 288	\$261,000,000	NA	\$372,371,428	\$633,371,428
K. SH 36	\$17,167,217	NA	\$764,510,618	\$781,677,835
L. SOUTHWEST CORRIDOR	\$110,900,000	NA	\$286,053,077	\$396,953,077
M. US 290	\$3,485,844,309	\$53,100,000	\$707,533,709	\$4,246,478,018
N. US 59N	NA	NA	\$211,765,982	\$211,765,982

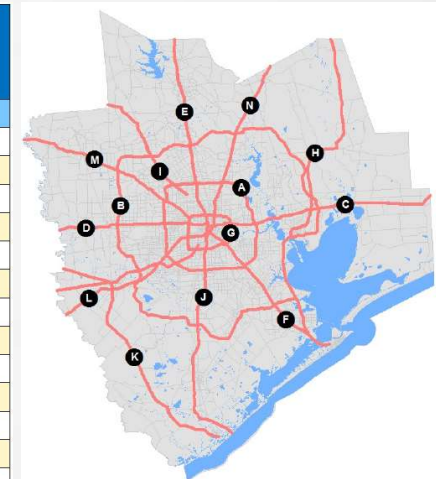


Figure 5-3: Corridor-Based Major Investments

# 2040 and 2045 RTP Comparison – Major Investment Corridor Summary Sheets

- Project Description
- 2050 RTP Scope:
  - Type, **Status, Project Score, Year of Expenditure, Cost Estimate**
- Unfunded Elements
- Jurisdiction(s)
- Demographics
- Congestion/**Safety** Ranking
- Local/Regional Plan(s)
- Ecological Priority
  - **Red Flag Report**



## SH 146 Corridor

The SH 146 Corridor includes SH 146 from Texas City to Liberty via Baytown. As an important commuter and freight corridor, it connects many of the bayside communities along with several regional port facilities.

### PROJECT DESCRIPTION

RTP projects planned for this corridor include completion of the SH 146 freeway and express lanes from La Porte to the Harris/Galveston County Line. Interchange improvements are planned for various intersections with Business 146 and Loop 197.

### 2040 RTP IMPROVEMENTS

DESCRIPTION	TYPE	YEAR	COST
SH 146 widening and mobility improvements	Roadway	2025	\$650 million

### UNFUNDED IDENTIFIED NEEDS

DESCRIPTION	TYPE	COST
SH 146 widening and upgrades	Roadway	\$750 million

### JURISDICTIONS

CITIES WITHIN CORRIDOR		
Baytown	La Porte	Seabrook
Clear Lake Shores	League City	Shoreacres
Hardin	Liberty	Texas City
Kemah	Mont Belvieu	
La Marque	Pasadena	

### DEMOGRAPHIC PROFILE

WITHIN ONE MILE OF CORRIDOR	
Population	187,546
Population Below Poverty	15%
Population over 65	10%
Total Minority	45%
Employment	233,872

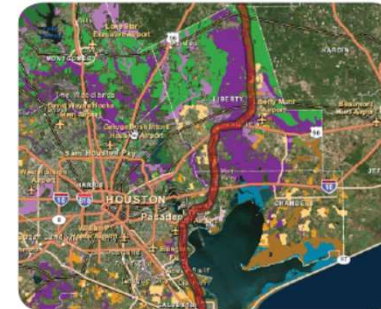
### LOCAL AND REGIONAL PLANS

STUDY AREAS
East Port Area Subregional Plan
Harris County Thoroughfare Plan
SH 146 Corridor Major Investment Study

### STATE CONGESTION RANKING

SH 146	
Red Bluff Rd. to League City Parkway	476

### ECO-LOGICAL PRIORITY



- Coastal Prairie 1
- Coastal Prairie 2
- Coastal Prairie 3
- Bottomland Forest 1
- Bottomland Forest 2
- Bottomland Forest 3
- Upland Forest 1
- Upland Forest 2
- Upland Forest 3
- Tidal Wetlands

MORE INFORMATION  
[www.h-gac.com/go/eco-logical](http://www.h-gac.com/go/eco-logical)

# Key Stakeholders – Tier 1

## Federally Required or Suggested Coordination



- Stakeholders described in 23 CFR § 450.324(g),(h),(i)
  - Provide a reasonable opportunity to comment on the transportation plan
- Local, State, Federal Legislative Representatives
  - County Commissioners, TPC, TAC, and Subcommittees
- Bicycle and Pedestrian Representatives
  - Pedestrian-Bicyclist Subcommittee Houston Bicycle Advisory Committee, etc.
- Conservation, Cultural, Historical, and Land Management Representatives
  - Texas Natural Resource Conservation Commission, Katy Prairie Conservancy, etc.
  - Comparison with state conservation maps and natural/historic resources
- Disabled, Elderly, Low income
  - Houston Mayor's Office for People with Disabilities
- Freight, Air, Water
  - Region's Port agencies, Houston Airport System, etc.

# Key Stakeholders – Tier 1

## Federally Required or Suggested Coordination



- Public Transportation / Travel Demand Management Agencies
  - METRO, BAYTRAN, Regional Transit Coordination Subcommittee
- Safety and Security
  - Local Emergency Planning Committees
  - Integrate with State Strategic Highway Safety Plan programs and emphasis areas
  - Integrate with Regional Public Transportation Agency Safety Performance Measures and Regional Safety Plan
- Travel and Tourism
  - Chambers of Commerce
- “Other Interested Parties”
  - Harris County Flood Control
  - Tier 2 – Economic Development Councils, Civic Leagues, Super Neighborhoods, etc.
  - Tier 3 – Advocacy Agencies

