MEETING OF THE RTP SUBCOMMITTEE
HOUSTON-GALVESTON AREA COUNCIL

MEMBERS PLEASE USE THE TEAMS INVITATION

TELECONFERENCE PARTICIPATION VIA MICROSOFT TEAMS
+1 346-262-0140 United States, Houston (Toll)
Conference ID: 641 945 004#

December 8, 2021
1:30PM

AGENDA

1. Call to Order
   Roll Call Attendance

2. Acceptance of Minutes
   From meeting of November 10, 2021

3. Discussion of the 2045 RTP Updating Strategy
   a. Outreach Strategy – Visioning Phase Update
   b. Transportation Assets – Congestion Management Process (Jamila Owens)

4. Future Meeting Topics
   a. Public Transportation – High-Capacity Transit
   b. Regional Safety Plan
   c. Airport/Ferries
   d. Continued Freight and Congestion Management Process
   e. Infrastructure Investment and Jobs Act
   f. Population projections

5. Announcements
   a. Next TPC Meeting – December 17, 2021 at 9:30AM (Teleconference)
   b. Next RTP Subcommittee Meeting – January 19, 2022 at 1:30PM (Teleconference)
   c. Next TAC Meeting – January 19, 2022 at 9:30AM (Teleconference)

6. Adjourn

RTP Subcommittee Roster

Primary – Name	Organization	Alternate – Name	Organization
Morad Kabiri, P.E.	City of Friendswood	Robert Upton, P.E.	City of Pearland
Perri D'Armond	Fort Bend County	Stacy Slawinski	Fort Bend County
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	Peter Eccles	City of Houston-P&D
Hon. Jay Knight	Liberty County	David Douglas	Liberty County
Loyd Smith, P.E.	Harris County	Bryan Brown	Harris County
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
Kenneth Brown	METRO	Philip Brenner	METRO
John Tyler	HCTRA	Dale Hilliard	HCTRA

MEETING OF THE RTP SUBCOMMITTEE
HOUSTON-GALVESTON AREA COUNCIL
TELECONFERENCE PARTICIPATION VIA MICROSOFT TEAMS
November 10, 2021
1:30PM
Minutes

Member Attendance:

Primary-Name	Present	Alternate-Name	Present
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	Marcel Allen	No
Andrea French	No	Nikki Knight	No
Elijah Williams	No	Elizabeth Whitton	Yes
Iris Gonzalez	No	Jonathan Brooks	No
Adam France	No	Chris Bogert	No
Christopher Sims	Yes	Hon. Chad Tressler	No
Matt Hanks	Yes	Karen McKinnon	No
David Fields	Yes	Vacant	-
Hon. Jay Knight	No	David Douglas	No
Loyd Smith	No	Bryan Brown	Yes
Nick Woolery	No	Frank Simoneaux	No
Yancy Scott	No	Jared Chen	No
Katherine Parker	No	Carol Lewis	No
Bruce Mann	No	Rohit Saxena	No
Rodger Rees	No	Brett Milutin	No
Charles Airiohuodion	Yes	Jeffrey English	Yes
Lisa Collins	Yes	Scott Ayres	Yes
Ken Fickes	No	Vernon Chambers	Yes
Kenneth Brown	Yes	Philip Brenner	No
John Tyler	No	Dale Hilliard	No

Others Present: Amy Skicki, Adam Beckom, Catherine McCreight, Chelsea Young, Dale (Guest), Andrew DeCandis, Jim Dickinson, Carrie Evans, David Fink, Brandy George, Thomas Gray, Donte Green, Veronica Green, Allie Isbell, James Koch, Sharon Ju, Catherine Kato, Megan Kennison, Justin Kuzila, Shirley Li, Vishu Lingala, Graciela Lubertino, Carlos Lugo, Patrick Mandapaka, Carlene Mullins, Karen Owen, Jamila Owens, Craig Raborn, Alan Rodenstein, Ruthanne Haut, Veronica Waller, Christopher Whaley

Staff Participating:
Mike Burns, Susan Jaworski

1. Call to Order
   Chair Morad K called the meeting to order at 1:30PM and conducted roll call to ensure a quorum. Morad K confirmed that a quorum was present.

2. Acceptance of Minutes
   Peri D made a motion to approve, Vernon C seconded.
   The motion was approved unanimously.

3. Discussion of the 2045 RTP Updating Strategy
   a. Outreach Strategy – Visioning Outreach Update

Mike B briefly mentioned that the visioning survey is still in development that is intended to be brief with juxtaposed questions to understand tradeoffs. County specific virtual meetings with possible in-person meetings. A prioritization phase of the outreach will occur later in summer 2022. The draft visioning statement and current goals were presented for reference.

   b. Call for Projects – Alignment of Schedules

Mike B briefly mentioned that the RTP Update and Call for Project schedules are being synched with visioning and periodization outreach mirroring the application development and solicitation for projects are mirroring each other.

Catherine M asked about project evaluation and the two-phased process for the Call for Projects is intended to solicit projects for the RTP.

Mike B responded with confirmation that the first phase of the solicitation process will include an evaluation of readiness with less developed projects scheduled in a long-term time frame and more well-developed projects considered for the TIP's short-term timeframe. The second phase will consist of a more refined scoring and prioritization for both long- and short-term projects, including supported projects that could not be funded in the 25-year fiscally constrained schedule.

Catherine M asked to confirm if an illustrative list would be developed.

Mike B responded that if there is an array of projects that includes some that could not be funded in a fiscally constrained plan, then those projects would be included in an illustrative list.

Craig R confirmed the purpose of the illustrative list and possible use of it to maintain a single listing and schedule of projects.

Charles A asked when it will be determined when an illustrative list would be used.

Craig R responded that the determination would be made after the call for projects.

Monique J asked if submitting a project for the RTP's illustrative list that wasn't ready would require submission through the call for projects.

Craig R responded that after the first phase of project review that there will need to be a determination of what information would be required for the long-term programming rather than developing the information necessary in the second phase for the short term programming.

Catherine M noted that some sponsors may only want to submit specifically for long term consideration in the first phase of the call for projects.

   c. Transportation Assets – Active Transportation (Susan Jaworski)

Susan J provided a presentation showing alignment of active transportation with RTP goals, the updating efforts of the active transportation plan, and next steps in the updating process. Goal alignment included improving safety with statistics and maps of bike and pedestrian crashes, serious injuries, and fatalities, conserving and protecting the natural and cultural resources, including consideration of vulnerable populations without cars that need active transportation facilities, moving people and goods efficiently, including expanding active transportation facilities with an analysis of what was recommended, implemented, and located near vulnerable populations, strengthening regional economic competitiveness, including connecting facilities, incorporating complete streets principles, and reducing single occupancy vehicle use in alignment with congestion management process measures and strategies, achieving a state of good repair, including maintenance and monitoring of active transportation facilities. There was also discussion of implemented projects in relation to the active transportation focus areas, which is a task in updating the active transportation plan. And an overview of the schedule, which roughly aligns with the RTP Updating schedule. Challenges included expanding the network, less SOV trips, zero fatalities, and synching plan revisions with other planning efforts.

David F asked about the TIP and RTP projects and if they were exclusively active transportation projects.

Susan J confirmed the map only showed active transportation plan.

Mike B asked if there was a sense of the meeting whether equity should be included in the RTP goals as recommended in the active transportation plan.

Morad K mentioned that it should be included, perhaps as a performance measure and not as a specific goal, and future suggested that this should be brought back for discussion at a future meeting.

4. Announcements
   a. Next TPC Meeting – November 19, 2021 at 9:30AM (Teleconference)
   b. Next TAC Meeting – December 8, 2021 at 9:30AM (Teleconference)
   c. Next RTP Subcommittee Meeting – December 8, 2021 at 1:30PM (Teleconference)

Morad K mentioned upcoming meetings over the next month.

5. Adjourn

Morad K asked for any other comments. Hearing none, the Chair declared the meeting adjourned at 2:24PM.

Minutes submitted by: Mike Burns

Public Outreach – Visioning Phase

2021				2022				2023							
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan	Feb	Mar	April	May	June	July	Aug
		Staff Coord/Inventory		Needs Assessment		Scenario Planning		Draft Review		Approval		Conformity			

Public Engagement

Visioning Phase
Develop vision, strategies, and goals
Promoted survey and public meetings

Prioritization Phase
Link between vision and project selection
Virtual / in-person meetings

Plan Review
Communicate content and outcome
Public review prior to TPC adoption
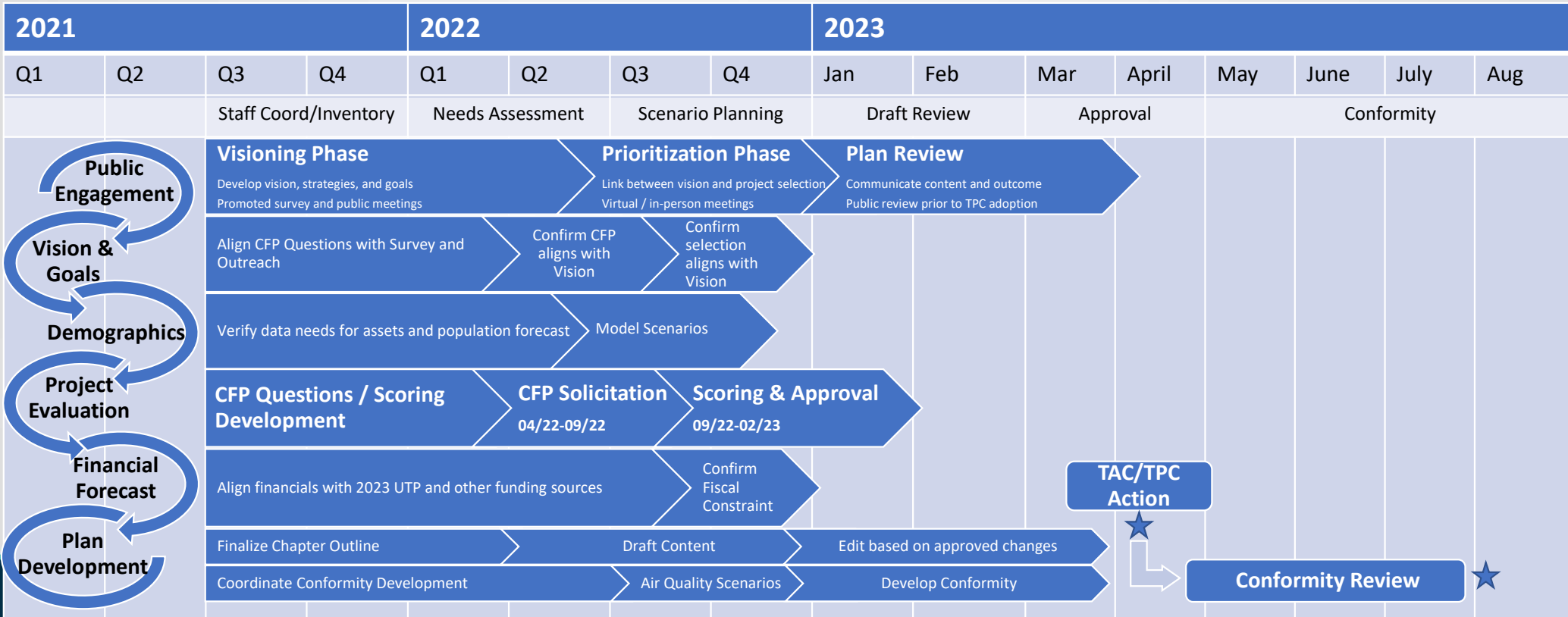
- **Visioning Survey**
  - Launch likely in late February 2022 and to end after County-specific meetings in early April
  - Desired survey response rate – 10-20K from throughout the regional (each county)
  - Poll Question: What are other desired considerations for responses?
- **Visioning Meetings**
  - MPO County-specific meetings anticipated in March-April 2022
  - Poll Question: Virtual, In-person, Mix?

RTP Update Schedule

- Current Plan approved by TPC: May 24, 2019
  - Conformity Concurrence: August 2, 2019
- RTP / Conformity Expires: August 2, 2023

2021				2022				2023							
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan	Feb	Mar	April	May	June	July	Aug
		Staff Coord/Inventory		Needs Assessment		Scenario Planning		Draft Review		Approval		Conformity			

Public Engagement

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Plan Review
Communicate content and outcome
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Vision & Goals

Align CFP Questions with Survey and Outreach

Confirm CFP aligns with Vision

Confirm selection aligns with Vision

Demographics

Verify data needs for assets and population forecast

Model Scenarios

Project Evaluation

CFP Questions / Scoring Development

CFP Solicitation
04/22-09/22

Scoring & Approval
09/22-02/23

Financial Forecast

Align financials with 2023 UTP and other funding sources

Confirm Fiscal Constraint

Plan Development

Finalize Chapter Outline

Draft Content

Edit based on approved changes

Coordinate Conformity Development

Air Quality Scenarios

Develop Conformity

TAC/TPC Action ★

Conformity Review ★

Congestion Management Process
2022 Update

Jamila Owens
RTP Subcommittee
December 9, 2022

Regional Collaboration • Transportation Planning • Multimodal Mobility

Congestion Management Process (CMP)

PRESENTATION AGENDA:

- Quick Review of Congestion Management and Need for a Congestion Management Process

- Current CMP
  - Document Overview
  - Input Received - Kudos and Critiques

- Next Steps for the Update

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Congestion Management Process (CMP)

- ## What is Congestion Management?

The application of strategies to improve transportation system performance and reliability by reducing the adverse impacts of congestion on the movement of people and goods.

Congestion Management Process (CMP)

What is a Congestion Management Process?

FHWA Definition –

A systematic and regionally-accepted approach for managing congestion that provides accurate, up-to-date information on transportation system performance and assesses alternative strategies for congestion management that meet state and local needs.

The CMP is intended to move these congestion management strategies into the funding and implementation stages.

Chapter 1 - Introduction - Congestion Management Process Guidebook - Congestion Management Process - Planning - FHWA (dot.gov)

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Congestion Management Process (CMP)

- Parts of the Process
  1. Set Regional Objectives
  2. Define the CMP Network
  3. Develop Multimodal Performance Measures
  4. Collect Data/Monitor Performance
  5. Analyze Problems and Needs
  6. Identify and Assess Strategies
  7. Program and Implement Strategies
  8. Evaluate Effectiveness

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Regional Objectives

- **CMP Goals**
  - Move people and goods efficiently
  - Strengthen regional economic competitiveness
  - Preserve and protect natural and cultural resources

- **CMP Objectives**
  - Increase reliability of travel
  - Increase truck time reliability
  - Increase share of non-single occupancy vehicle (SOV) trips
  - Move toward meeting federal air standards

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Network

Congestion Management System

- Interstate
- Freeway
- Tollway
- Proposed Tollway
- Principal Arterial-other
- Select Minor Arterials

Performance Measures

CMP Objective	Systemwide Measure	Local Measures
Increase reliability	Percentage person-miles traveled on Interstate that are reliable/Level of Travel Time Reliability (LOTTR)	Annual person-hours of delay per mile
	Percentage person-miles that traveled on non-interstate NHS that are reliable / LOTTR	Texas congestion index
	Peak hour excessive delay	N/A
Increase truck travel time and reliability	Truck travel time reliability index on the interstate	Texas truck congestion index Truck delay per mile
Increase number of non-single occupancy vehicle (SOV) trips	Percentage of commuting trips	Commute to work rate driving alone - census tract level
Move towards meeting federal air standards	Reduce NOx emissions	N/A

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Data Collection/Performance Monitoring

- Texas Transportation Institute
- American Community Survey
- Texas Commission on Environmental Quality

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Analyze Problems and Needs

Systemwide Analysis

Figure 3-1: CMP Performance Measures

| CMP Objective	Systemwide Measure	Local Measures
Increase reliability	Percentage person-miles traveled on Interstate that are reliable/Level of Travel Time Reliability (LOTTR)	Annual person-hours of delay per mile
	Percentage person-miles that traveled on non-interstate NHS that are reliable / LOTTR	Texas congestion index
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Increase truck travel time and reliability	Truck travel time reliability index on the interstate	Texas truck congestion index Truck delay per mile
Increase number of non-single occupancy vehicle (SOV) trips	Percentage of commuting trips	Commute to work rate driving alone - census tract level
Move towards meeting federal air standards	Reduce NOx emissions	N/A

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Analyze Problems and Needs

Systemwide Analysis

Objectives	Performance Measures	2018 Baseline	2020 Actual	2022 Target
Increase reliability	Percentage person miles that traveled on interstate that are reliable/LOTTR	63%	69%	69%
Increase reliability	Percentage person miles that traveled on non-interstate NHS that are reliable/LOTTR	73%	80%	80%
Increase reliability	Peak hour excessive delay (annual hours/person)	14	14	14
Increase truck travel time and reliability	Truck travel time reliability index on the interstate	2.1	2.2	2.2
Increase number of non-single occupancy vehicle (SOV) trips	Percentage of trips	20.1%	21.1%	20%
Moving toward meeting federal air standards	Emission reductions of NOx (kg/day)	453.74	158.32	1,429.08[1]

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Analyze Problems and Needs

Localized/Corridor Analysis

Figure 3-1: CMP Performance Measures

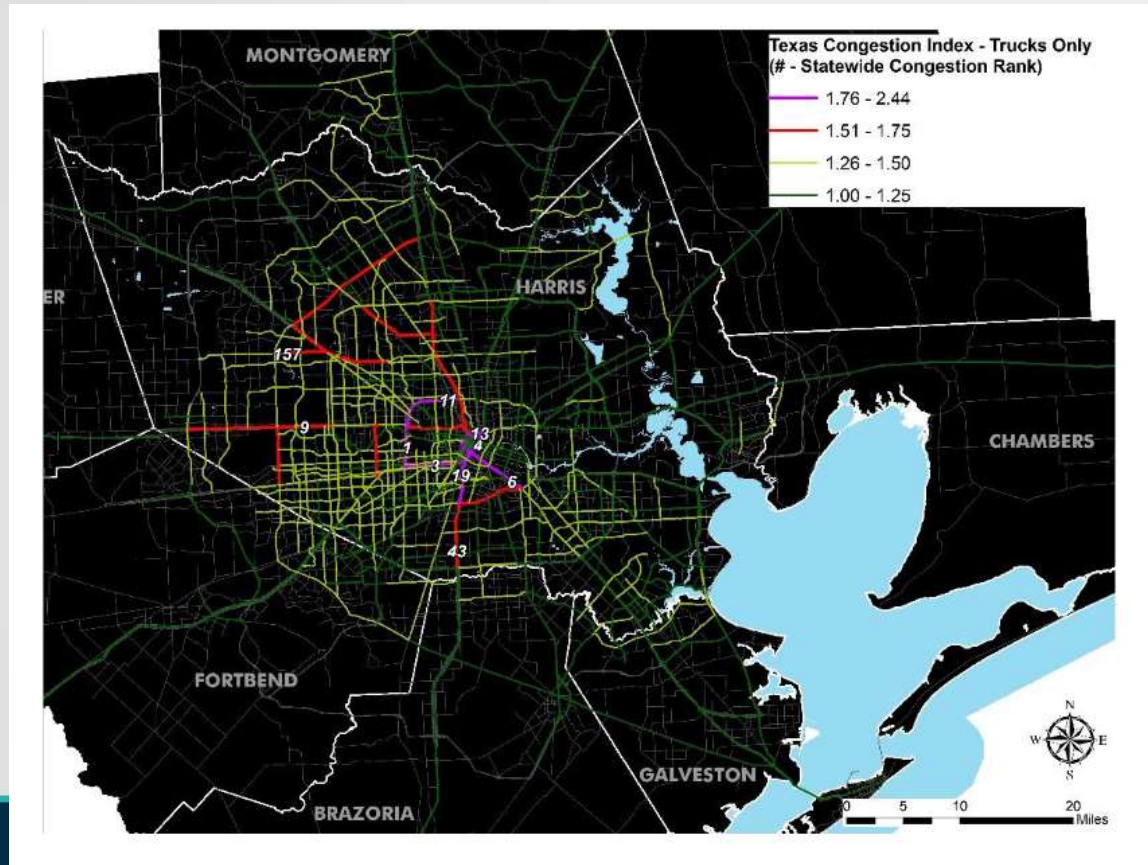| CMP Objective	Systemwide Measure	Local Measures
Increase reliability	Percentage person-miles traveled on Interstate that are reliable/Level of Travel Time Reliability (LOTTR)	Annual person-hours of delay per mile
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	Peak hour excessive delay	N/A
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Move towards meeting federal air standards	Reduce NOx emissions	N/A

Analyze Problems and Needs

Localized/Corridor Analysis – Top 10 Ranking Using TTI Tools and Data

Analyze Problems and Needs

Localized/Corridor Analysis – Top 10 Ranking Using TTI Tools and Data
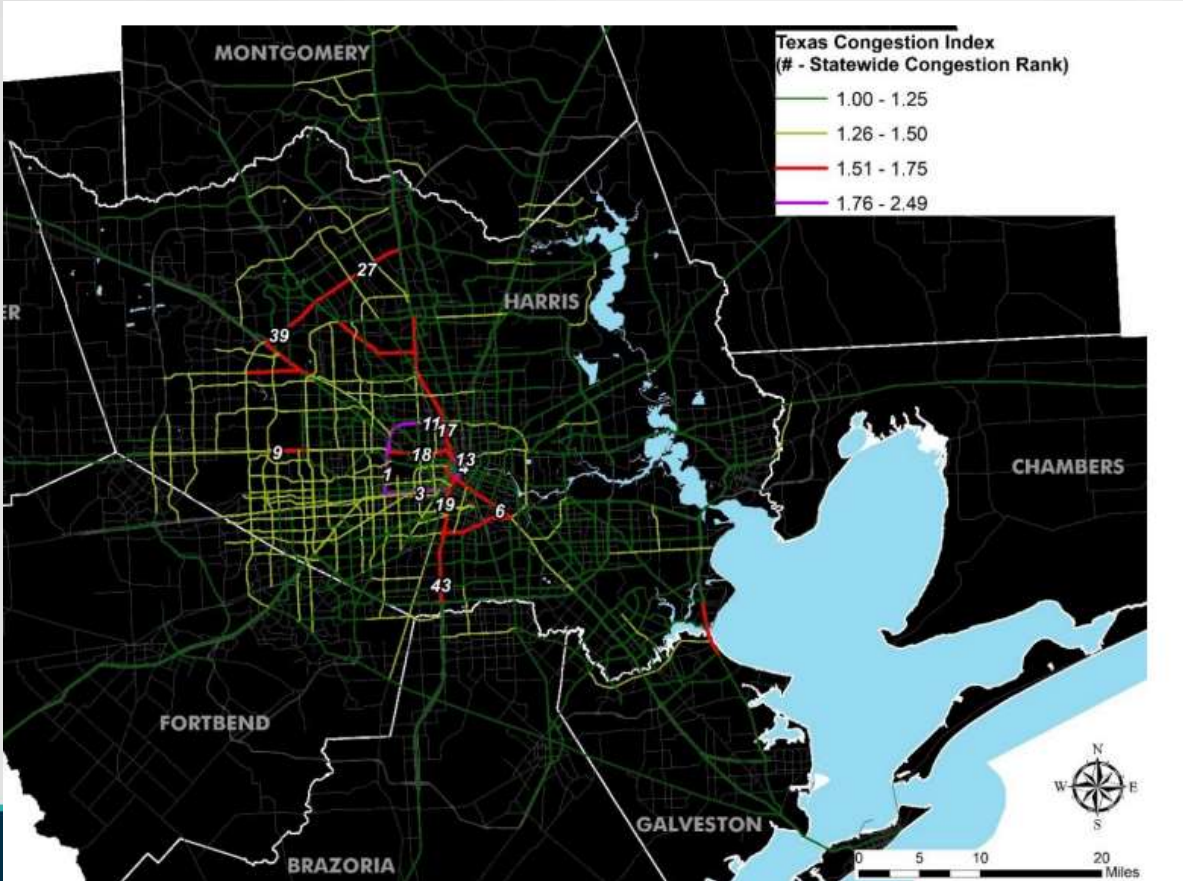
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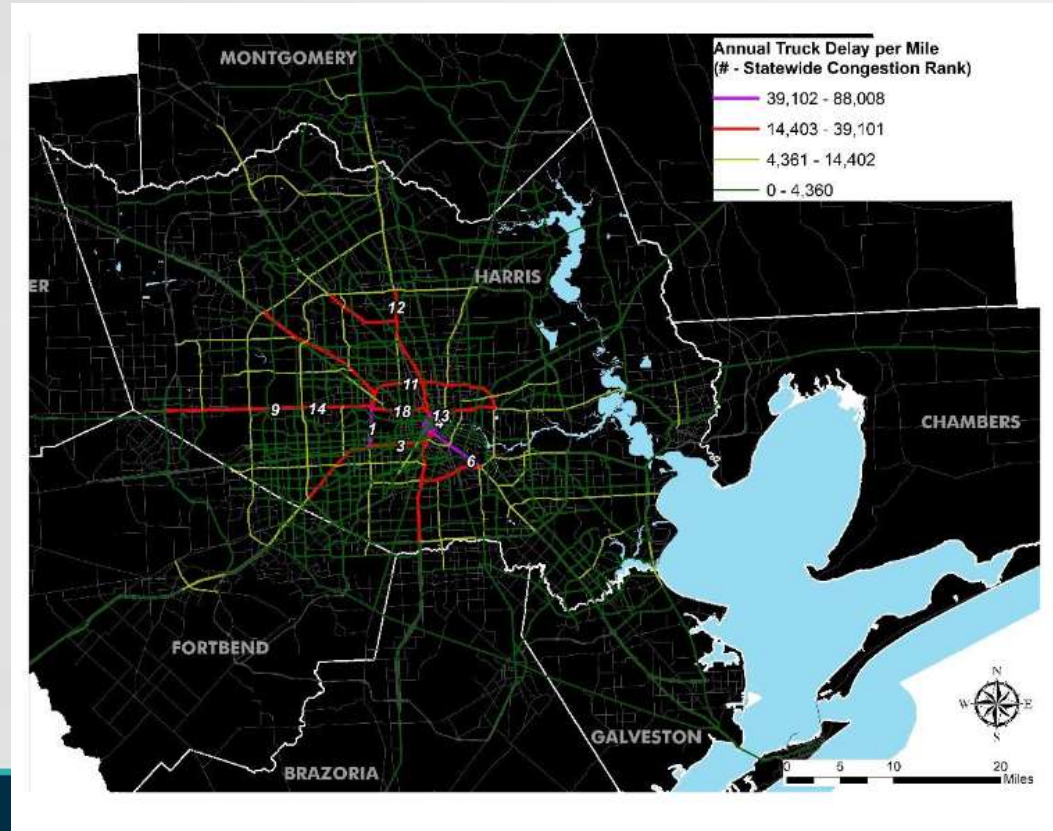
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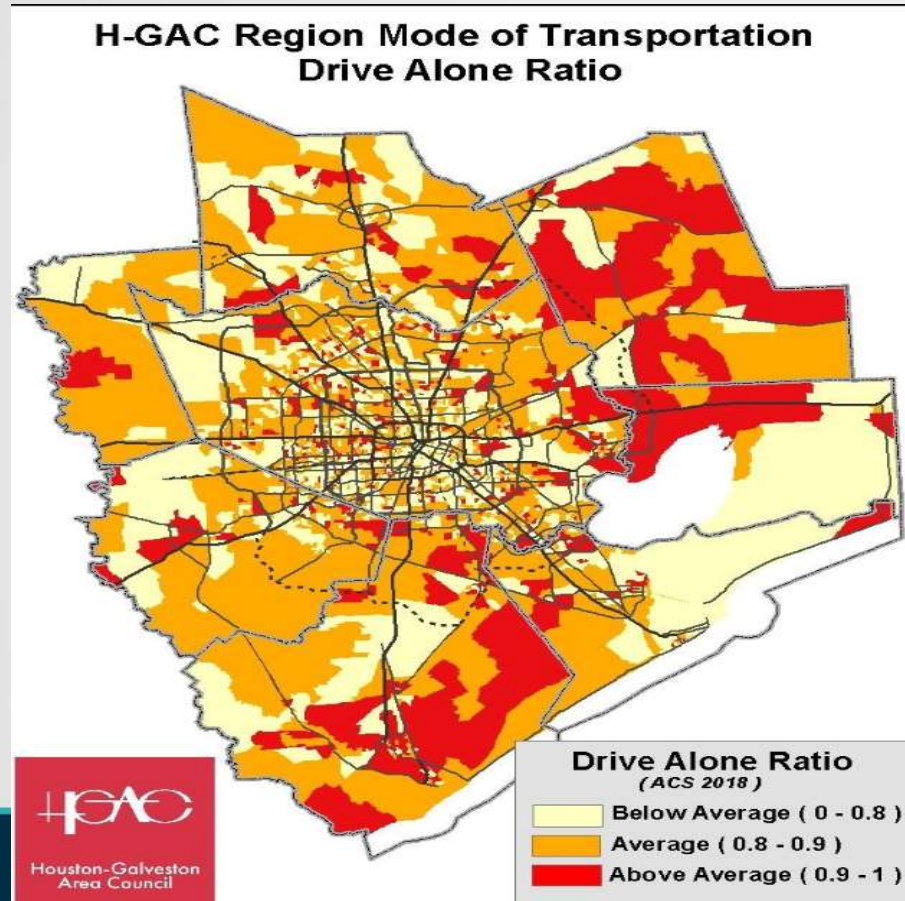
Identify Strategies

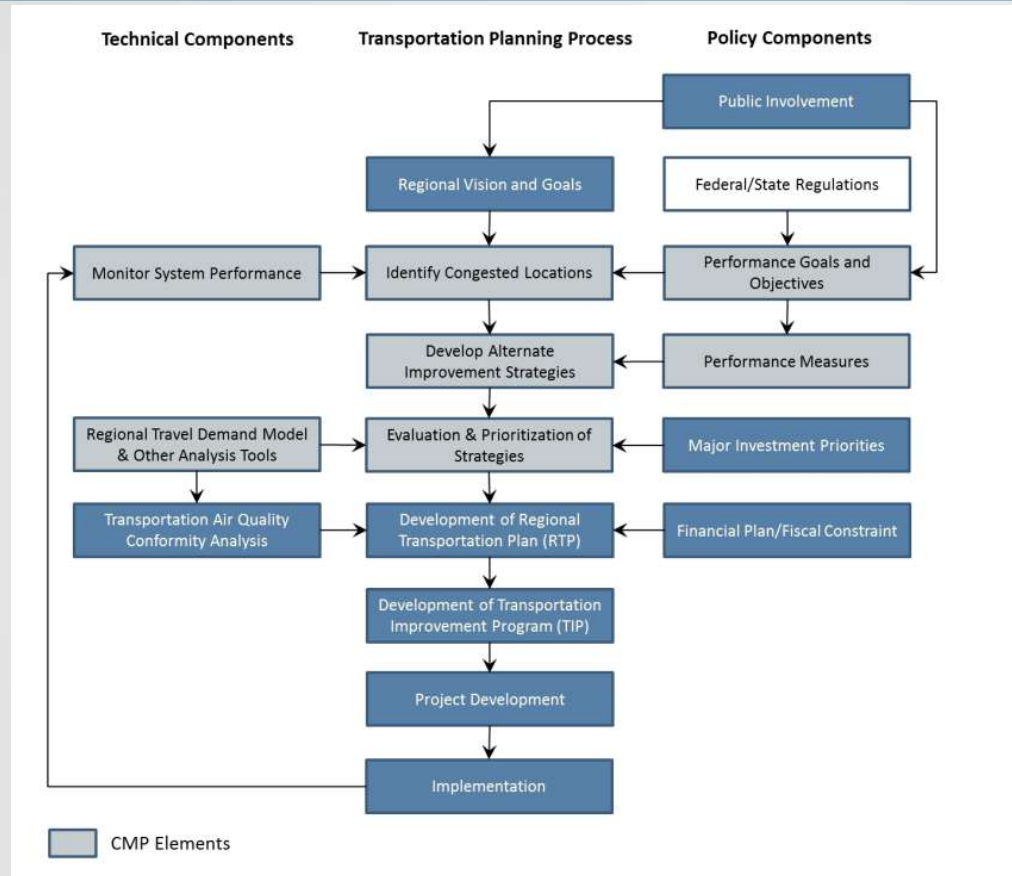Travel Demand Management

Land Use

Public Transportation

Active Transportation

Intelligent Transportation Systems

Freight

Capacity Expansion

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Program and Implement Strategies

Program and Implement Strategies

- **Congestion Management Analysis**
  - On Network, Added Capacity Projects
  - Needed prior to adding projects to the TIP
  - Three Project Categories:
    - Addressing a Safety or Bottleneck Issue- Preliminary Questions Only, No Analysis
    - Major Investments (100 million or more) – Quantitative and Qualitative Analysis
    - Other Investments (<100 Million) – Quantitative and Qualitative Analysis
  - Quantitative Analysis looks for LOS or V/C Ratio to Remain Stable or Improve

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Evaluation

- Annual
  - Examine Performance of Troubled Corridors
  - Examine Strategies Applied
    - Which have been implemented and where?
    - What is their impact?

- Bi-Annual
  - Examine Performance Measures across the Network

Discussion:

- Do you have any questions about the current CMP?

Kudos – Current Process

- Better Captures the Current Process Used by the MPO

- Upgraded strategies including adding approaches, Freight strategies and additional Bike and Pedestrian strategies

- Emphasizing Land Use, TDM, ITS and other strategies before adding capacity

Critiques – Current Process

- Identifying Problems
  - Some would like us to set a localized threshold for too much congestion rather than use a ranking (ex: every corridor with a V/C ratio greater than 1.25 or a Congestion Index of greater than 1.00)

  - Could strengthen the plan by identifying strategies for each problem corridor

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Critiques – Current Process

- Setting Performance Measures
  - Could be more multimodal (Presence, Absence of sidewalks, transit stops along corridors?; Miles of Bike Facilities for a regionwide metric? HOV or Park and Ride Utilization rates?)

  - Could incorporate safety?

  - What about Vehicle Miles Traveled?

  - What just NOx, why not VOC, other Pollutants ?

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Critiques – Current Process

- **Programming and Implementing Strategies**
  - Integration of CMP and project selection could be improved

- **Evaluation**
  - Lack of Detail
  - No before/after analysis of projects to see if they achieve their goals

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Additional Requests– Current Process

- Please Add a List of Corridors in the Network by Functional Class with Details
- Please Add Interactive CMP Network Map

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Discussion:

- Do any of these ring true to you?
- Any additional recommendations, comments, thoughts?

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Next Steps

Overview

- Perform an additional update of the CMP alongside update of the RTP

- Focus: Keep the good; Discuss and address the critiques

- Utilize H-GAC staff to conduct data collection and analysis

- Form a workgroup to guide the process

- Work through the subcommittees, TAC, TPC and the RTP Public Input Process to complete the update

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Proposed Timeline

Q1/Q2 – 2022   Data Collection and Analysis

Q3/Q4 – 2022   Present Recommendations

Complete the Update

Additional Questions ?

Thank You

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Future Meeting Topics – RTP Update

- Public Transportation – High-Capacity Transit
- Regional Safety Plan
- Airport / Ferries
- Continued Freight and Congestion Management Process
- Infrastructure Investment and Jobs Act
- Population Projections

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