



Item 7. Amendments to the 2023-2026 TIP and 2045 RTP



Transportation Advisory Committee
April 17, 2024

TIP and RTP Amendments

- Split out northern segment of METRO's FY 2025 IH 69 South Two-Way HOV Conversion (MPO ID 18188) and program as (MPO ID 19077) in FY 2026 with \$184M of local funds. Delay southern section (MPO ID 18188) to FY 2030 of 2045 RTP. (+\$184.0M; Total: \$184.0M)
- Program TxDOT Houston District's SL 8 at SH 225 main lane reconstruction (MPO ID 18960) with Statewide Connectivity (Category-4) funding in coordination with HCTRA's DCs construction projects at interchange (MPO IDs 16340 & 18883). (+\$70.6M; Total: \$70.6M)
- Modify local funding of HCTRA's SH 225 at SL 8 DCs construction (MPO ID 16340) and delay to FY 2025 to coordinate with other interchange construction projects. (+\$108.0M; Total: \$200.0M)
- Modify description of HCTRA's SH 225 at SL 8 single DC construction project (MPO ID 18883) and add local funds for construction of four (4) DCs. (+\$236.0M; Total: \$260.0M)

TIP and RTP Amendments



Action

- Recommendation for Transportation Policy Council approval of Resolution 2024-08



Item 8. Transit Asset Management Performance Measures Update



Transportation Advisory Committee
April 17, 2024

Transit Asset Management (TAM)



- **Purpose: Ensure State of Good Repair**
- **Overview:**
 - **Each transit agency has a Transit Asset Management Plan**
 - **Each MPO sets regional targets**
 - **H-GAC sets the regional targets (biennially) for asset management using the information in each Agency's TAM Plan**

Transit Asset Management (TAM)

| Asset Category | Performance Measure |
|-----------------------|---|
| Rolling Stock | Age - % of Revenue Vehicles exceeding their Useful Life Benchmark (ULB) |
| Equipment | Age - % of Non-revenue Vehicles exceeding their Useful Life Benchmark (ULB) |
| Facilities | Condition - % of Facilities with a condition rating below 3 on the TERM scale (Marginal or Poor) |
| Infrastructure | Performance - % of Rail track segments, signals and systems with performance restrictions |

Regional TAM Performance Targets

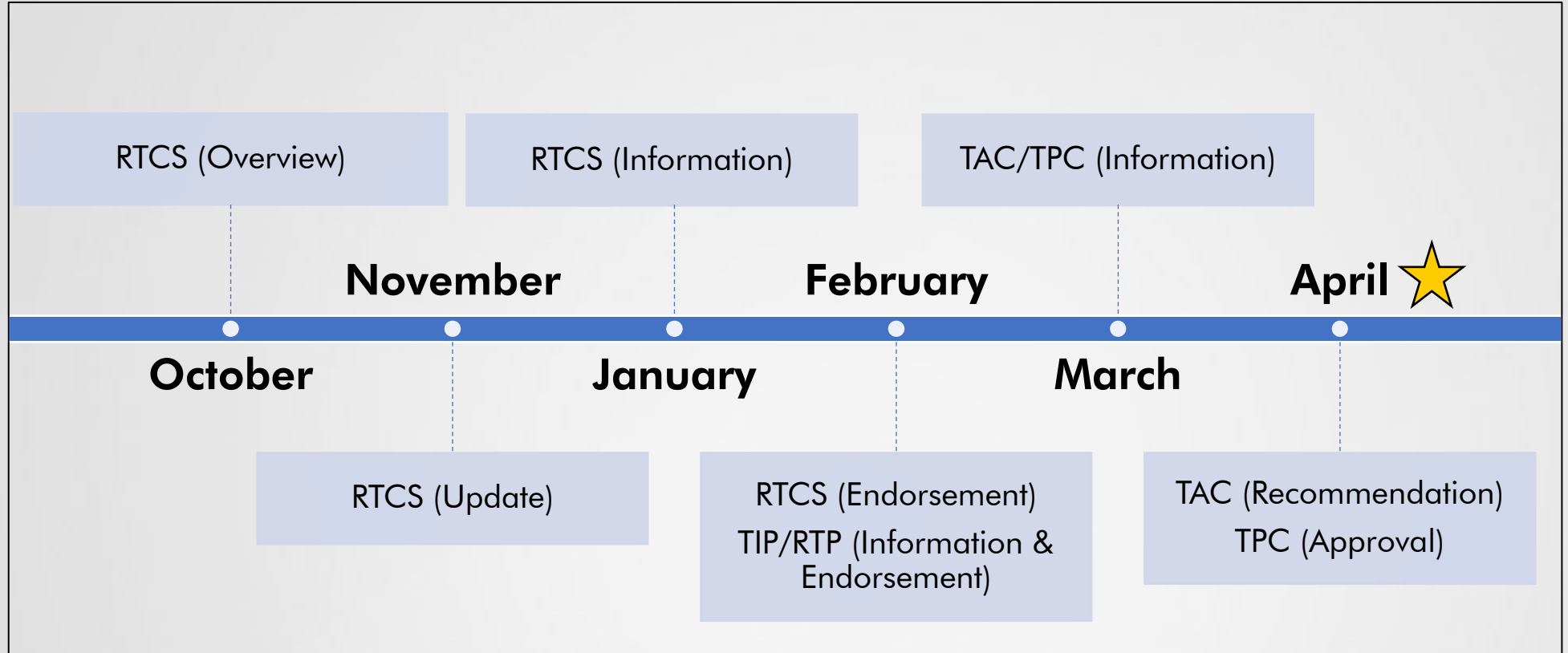
| Performance Targets and Actuals by Year | | | | | | | | | | |
|---|---------|---------|-----|---------|---------|-----|---------|---------|-----|------------------|
| Asset Category | 2020 | | | 2022 | | | 2024 | | | Proposed Targets |
| | Targets | Actuals | Met | Targets | Actuals | Met | Targets | Actuals | Met | 2026 |
| Rolling Stock (revenue vehicles) | 11% | 10% | ✓ | 10% | 10% | ✓ | 10% | 20% | ✗ | 20% |
| Equipment (non-revenue vehicles) | 46% | 46% | ✓ | 46% | 46% | ✓ | 46% | 55% | ✗ | 55% |
| Facilities (buildings and structures) | 55% | 55% | ✓ | 54% | 45% | ✓ | 45% | 28% | ✓ | 28% |
| Infrastructure (rail tracks, signals & systems) | 0% | 0% | ✓ | 0% | 0% | ✓ | 0% | 1% | ✗ | 1% |

Note: A lower percentage indicates better condition of transit assets

Transit Investments to Watch

| | |
|--|----------------|
| TIP Transit Capital Projects (FY 24 - 26) (METRO, Conroe, Fort Bend County, Galveston, Gulf Coast Transit, The Woodlands) | \$514 M |
| Carry Over Spend Down Transit Projects (FY 24 – 25) | \$231 M |
| Project Selection Process Investment Category – Transit (2026 – 2034) | \$97 M |
| Project Selection Process Investment Category – Resiliency & State of Good Repair (2026 – 2034) | \$65 M |

Timeline

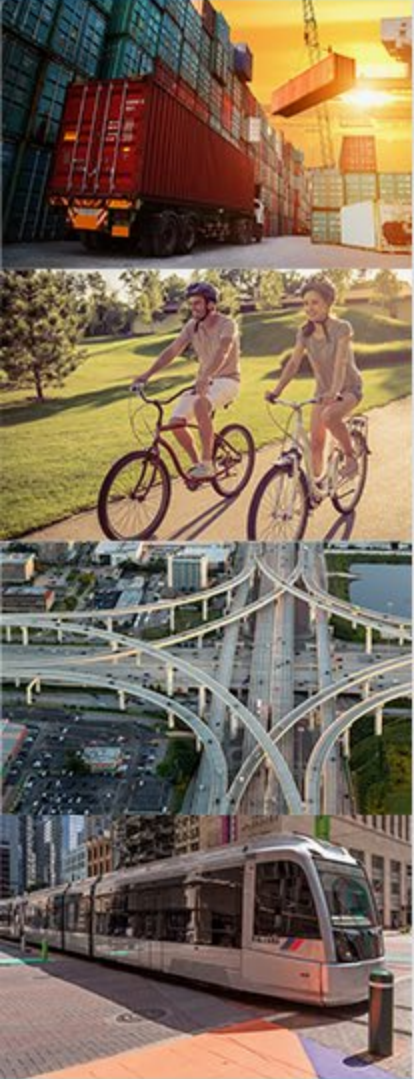


RTCS- Regional Transit Coordination Subcommittee
 RTP – Regional Transportation Plan Subcommittee
 TAC – Transportation Advisory Committee

TIP – Transportation Improvement Program Subcommittee
 TPC- Transportation Policy Council

Action Requested

- The Transportation Advisory Committee recommend for Transportation Policy Council approval Resolution 2024-09.





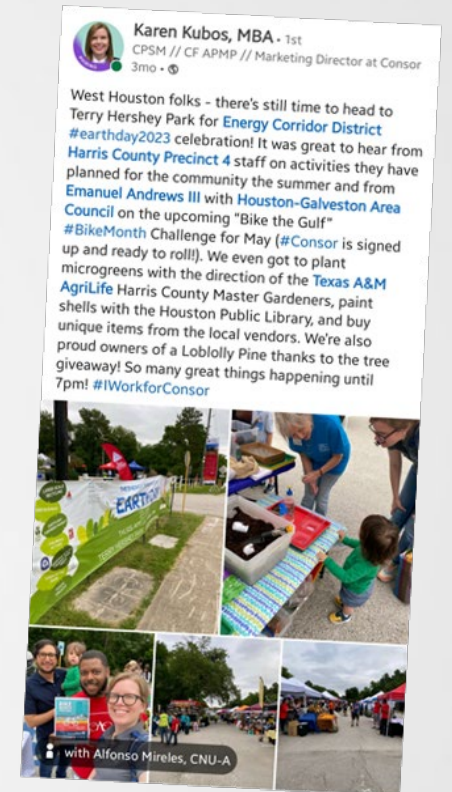
Item 09. Bike Month Resolution



Transportation Advisory Committee
April 17th, 2024

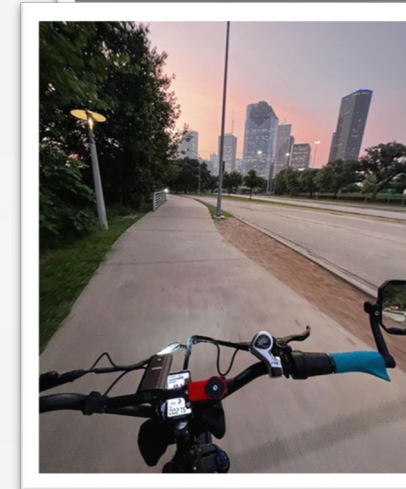
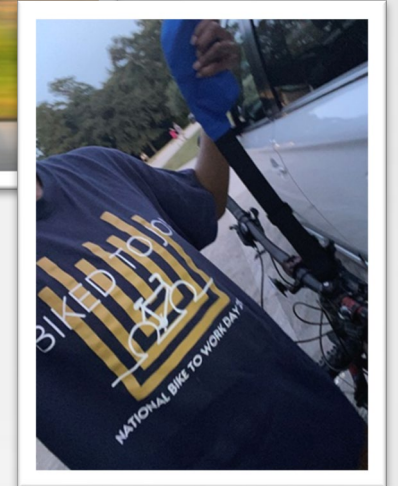
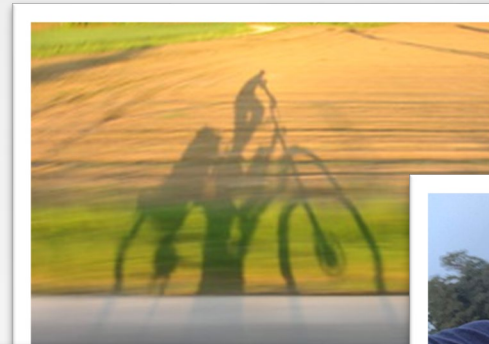
Bike Month Purpose

- Bike encouragement
- Objective: Get the region moving...on bikes
 - Engage with the community
 - Increase ridership
 - Promote local resources



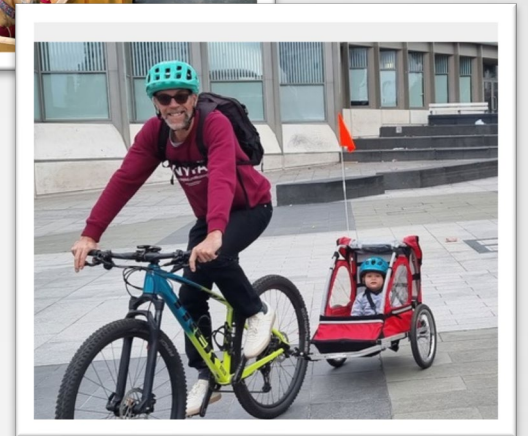
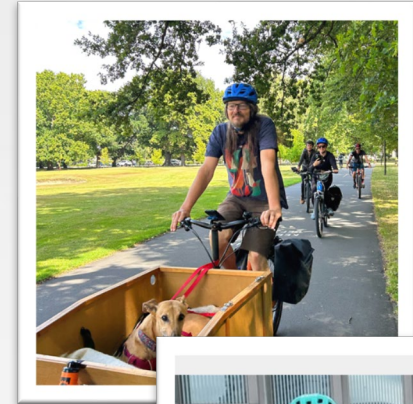
Bike Month 2023 Participation

- Workplaces participating: 45
- Total trips: 3,626
 - Recreation: 64%
 - Commuting: 23%
 - Other: 23%
- Vehicle Miles Reduced: 38,239



Bike Month Resolution

- May 2024 is National Bike Month
 - Bike to Work Week is May 13-17, 2024
 - Bike to Work Day is May 17, 2024
 - Sponsored by the League of American Bicyclists
 - Purpose – continue to raise awareness of the benefits of bicycling, encourage people to give it a try, and collaborate with stakeholders to promote riding in their communities



Request

The Transportation Advisory Committee recommend to the Transportation Policy Council approval of resolution 2024-10.



2023 Regional Goods Movement Plan



TAC – April 18, 2024
Sydni Ligons

Regional Goods Movement Plan



VISION

A multimodal freight transportation system that is efficient, reliable, and safe, that supports the economy, the environment, and equity.

GOALS

-  Safety
-  State of good repair
-  Move people & goods efficiently
-  Economic competitiveness
-  Protect Natural Resources



2023 Study Deliverables

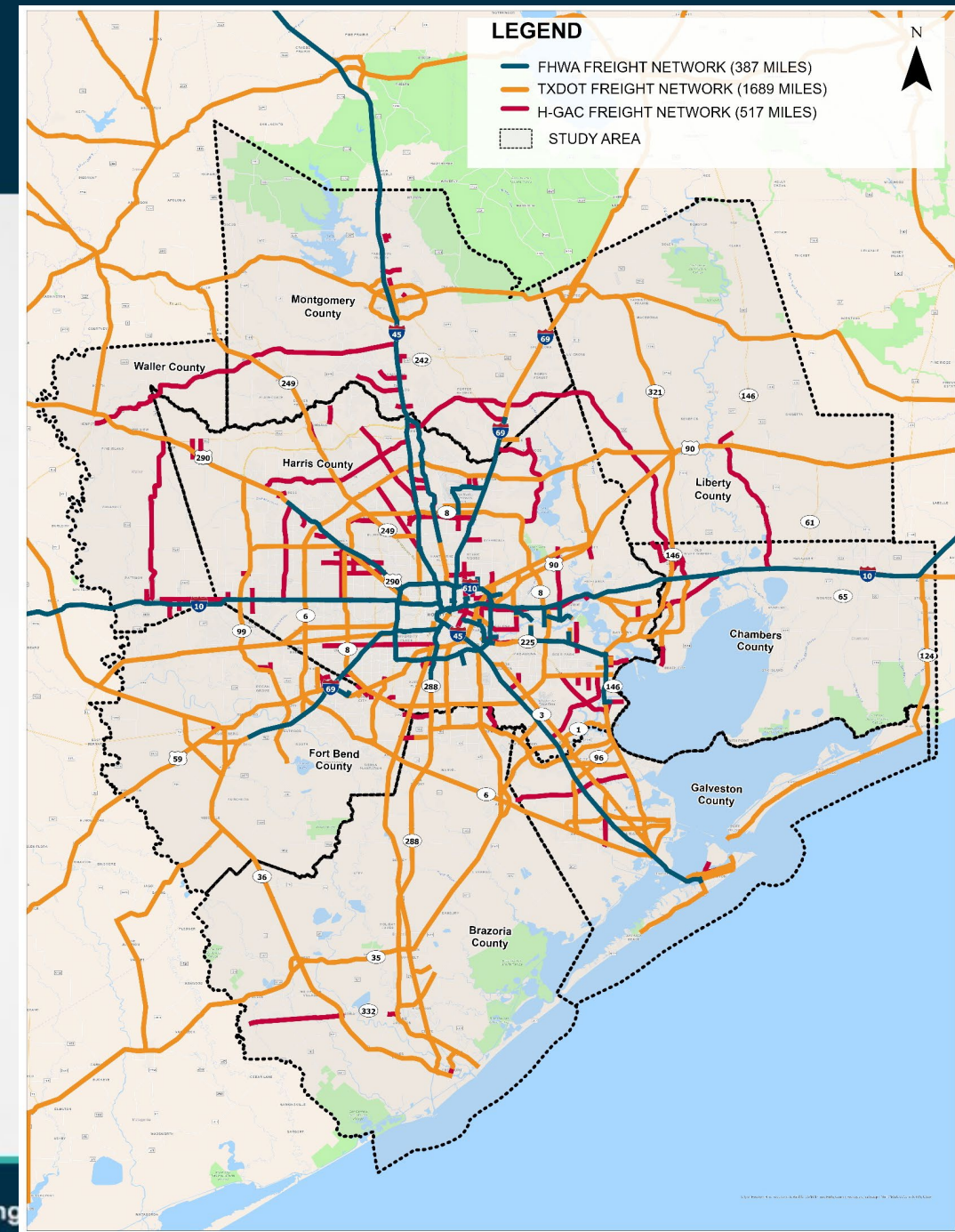


1. H-GAC Freight Network
2. RTP project needs analysis and Future RTP Considerations
3. Study Dashboards
4. Critical Urban Freight Corridor Update
5. Policies and Programs

H-GAC Freight Network

Developed using:

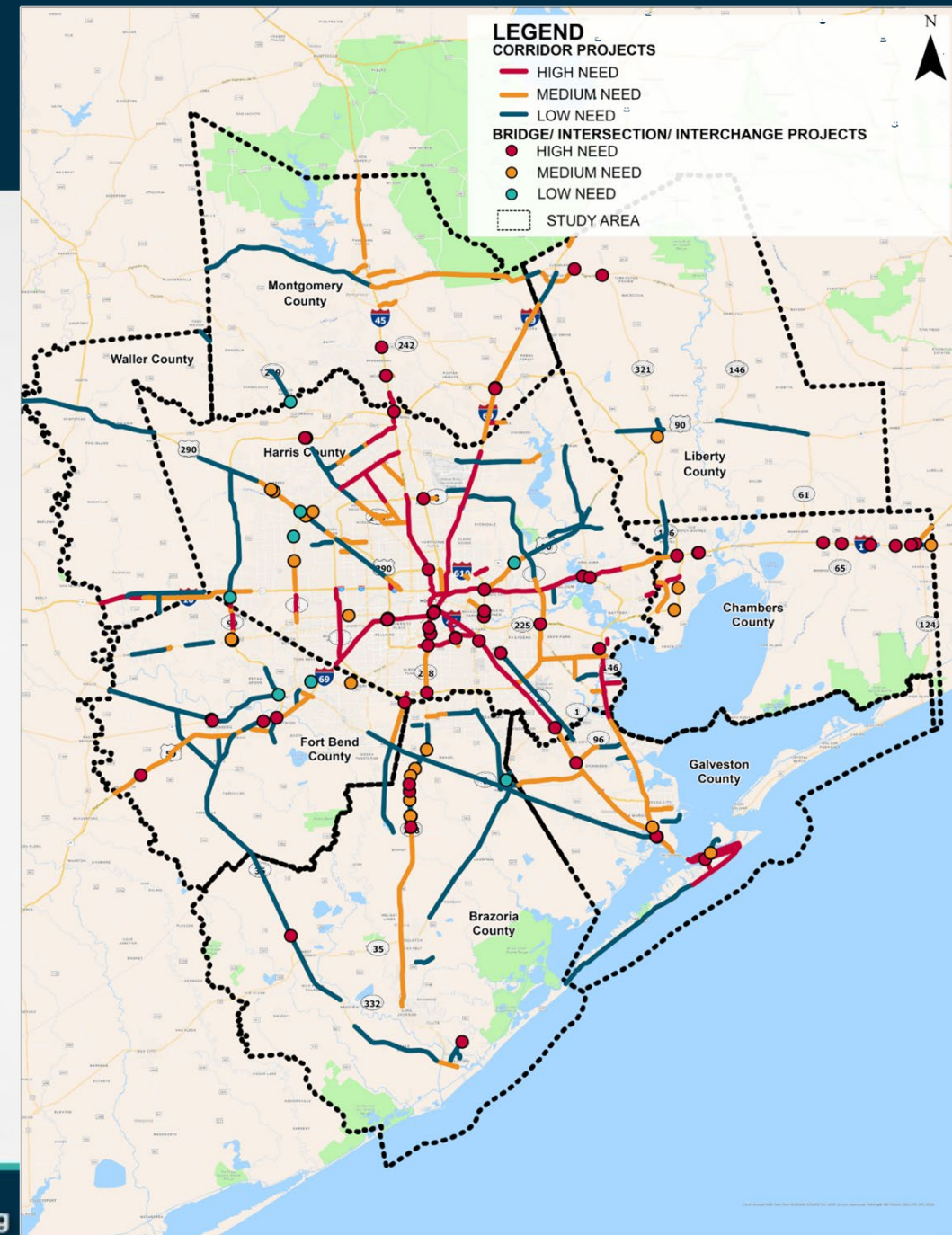
- ✓ Steering and Stakeholder input
- ✓ Freight cluster data
 - OD tool identified TAZs
- ✓ Truck delay and volume data



RTP Project Needs Analysis



- Data-driven process to categorize Projects from H-GAC 2045 Regional Transportation Plan (RTP) into:
 - Addressing high-need areas
 - Addressing medium-need areas
 - Addressing low-need areas
- Known "hot spots" without Projects in 2045 RTP analyzed separately for inclusion in future RTP

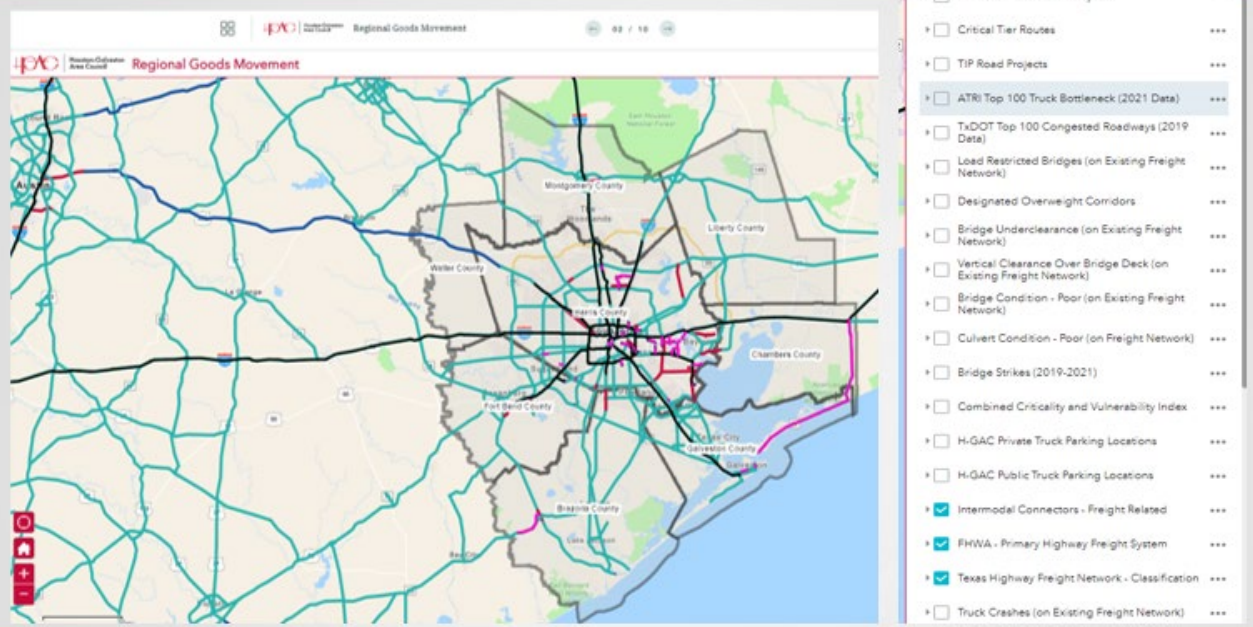
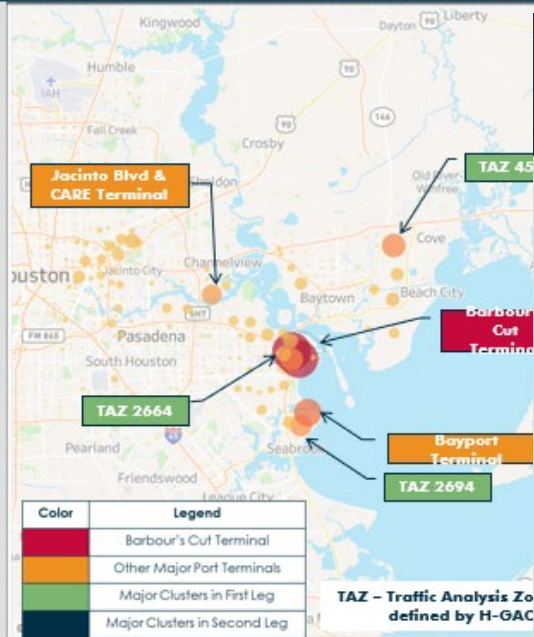


Three Interactive Tools

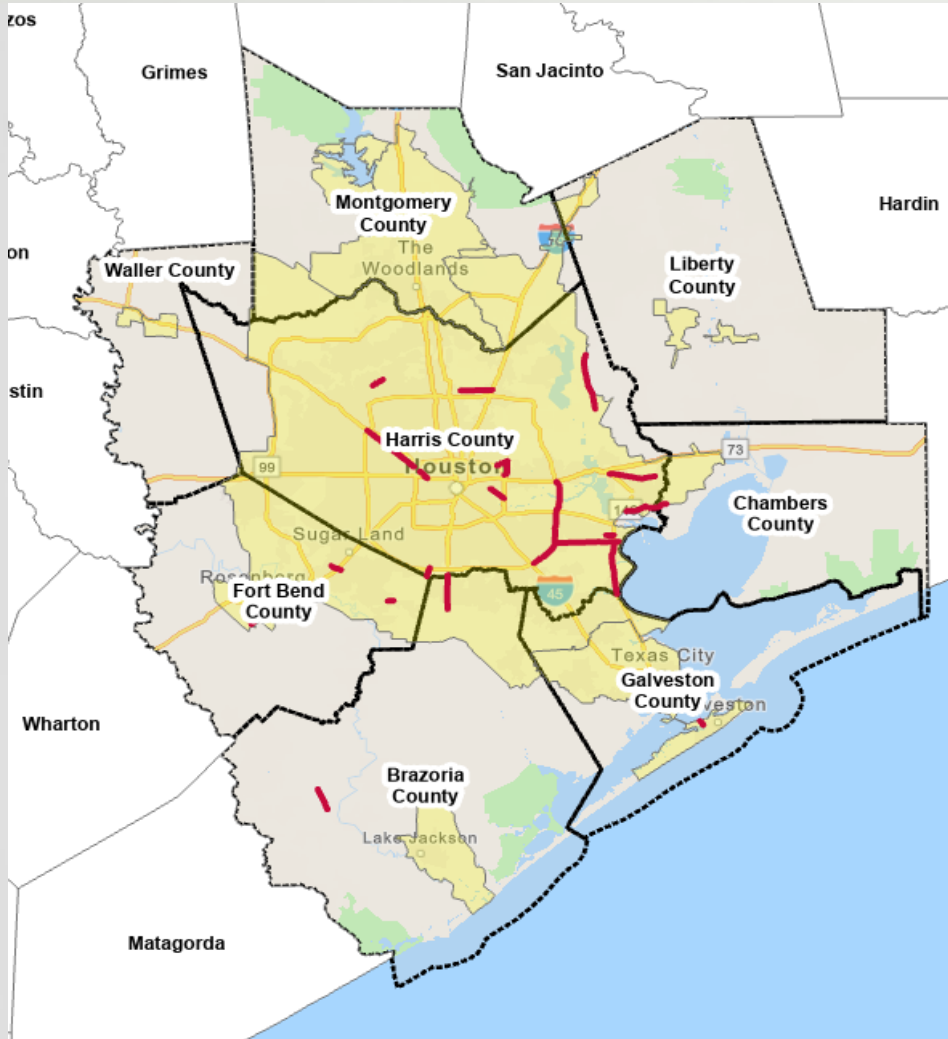
Commodity Flow Dashboard

Origins – Destinations Dashboard

Study Data Dashboard



Critical Urban Freight Corridors, 2017 & 2022



- CUFC attract more state and federal funding for freight-relevant projects.
- Plan update identified 36 corridors adding up to 90.72 miles to the CUFC list
- 30 projects adding up to 70 miles are already constructed, or under construction or to be constructed within four years

Policies & Programs - Safety



1. Truck safety initiatives included in Local/Regional Vision Zero and safety plans
2. Establish regional truck safety task force
3. Increase the number of truck parking spaces in the region
 - Work underway with TxDOT
4. Update National Hazardous Materials Route Registry
 - Earliest regulations date from:
 - 1970 Harris
 - 1972 Galveston
 - 1984 Waller
 - 1987 Chambers
 - 1991 Brazoria
 - 1990 Fort Bend
5. Increase uptake of truck safety equipment not mandated by federal regulations

Policies & Programs - Congestion

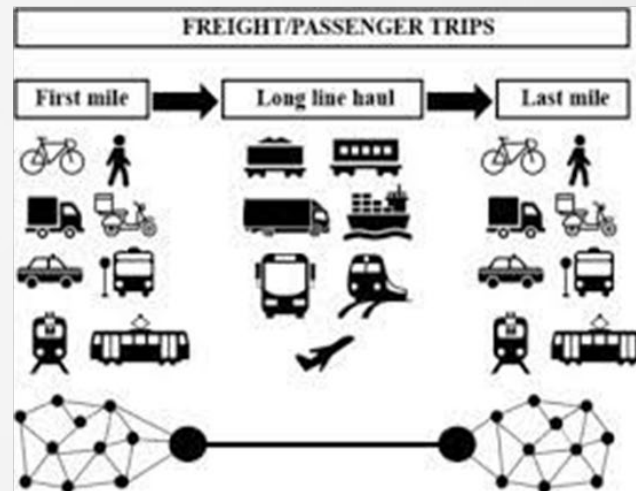


1. Encourage more off-peak truck activity

- Economic Centers
- Commercial Freight Drop/pickup/distribution

2. Railroad crossings

- approximately 1,600 railroad crossings in the Region.



Policies & Programs - Emissions



1. Freight facility emission reduction (rail yards, ports, warehouses)
2. Older trucks emission reduction
3. Increase the number of Zero Emission Vehicles (ZEV) operated in the region



Policies & Programs - Residential & Community Impacts



1. Develop a truck route map (including designated high and heavy corridors)
2. Mitigate residential impact
 - Such as pass through truck traffic, access to commercial areas



Next Steps

- Draft final report uploaded to the H-GAC website
 - Link - <https://www.h-gac.com/freight-planning>
- Data from the plan is available [HERE](#)
- Entering implementation of plan outcomes
- TAC and TPC schedule
 - October 2023 – Previewed at TAC for information and discussion
 - March 2024 – Previewed at TPC for information and discussion
 - April 2024 – Present at TAC and TPC for adoption
- **Action Requested**
 - Staff requests adoption of the RGMP and incorporation into the 2045 Regional Transportation Plan

Thank You



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Houston Galveston Area Council

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Draft 2025-2028 Transportation Improvement Program



Transportation Advisory Committee
April 17, 2024

2025-2028 TIP Overview



■ Funded Projects

- Carry-over from 2023 TIP & 10-Year Plan
- Selected by TPC through
 - 2015 Call for Projects and prior
 - 2018 Call for Projects (March 2019)
 - Carryover Spend Down Projects (December 2023)
 - Regional Goods Movement Projects (December 2023)
- Updates from local project sponsors

■ Proposed cost increases

| Cat 2 Total Request | CMAQ Total Request |
|---------------------|--------------------|
| \$1,136,060,572 | \$95,533,433 |

Summary of Programming



Federal \$6.8B



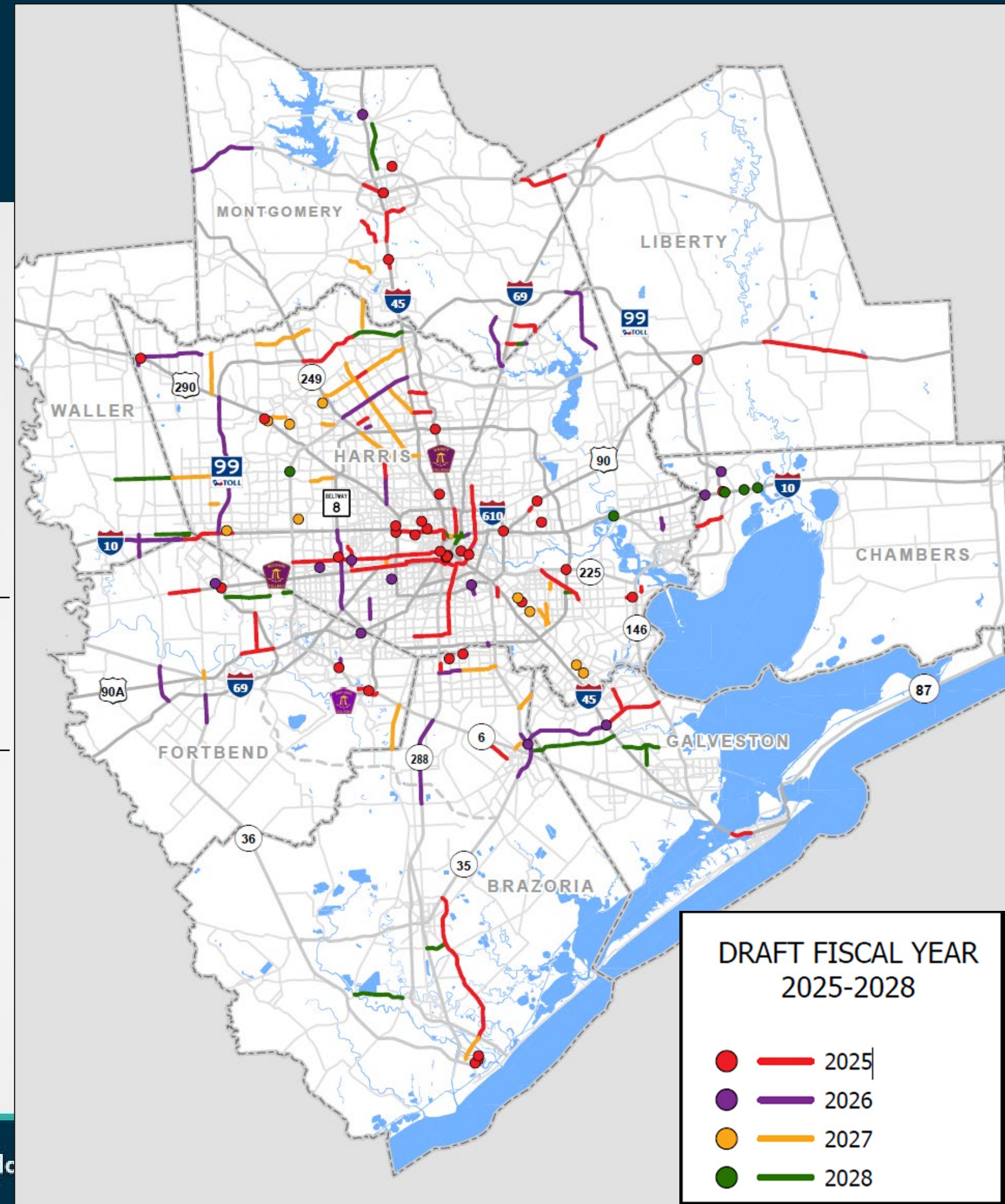
State \$8.0B

Local \$3.9B

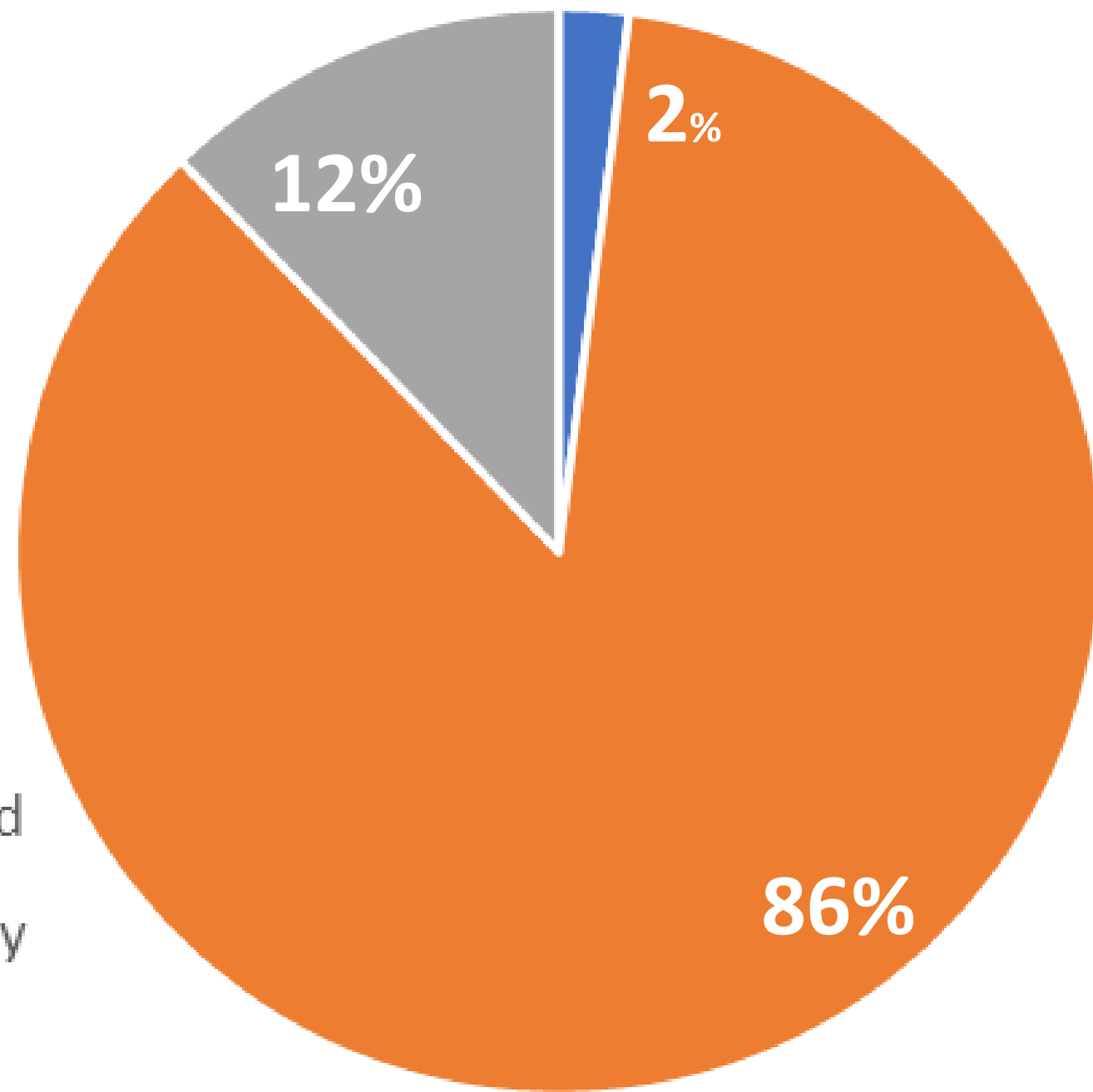
Total Programming \$18.7B



Transportation Development Credits 32.2 M



2025-2028 TIP Investment by Mode



| Mode | Total Investment in Billions |
|--------------------|------------------------------|
| Roadway | \$15.23 |
| Bicycle/Pedestrian | \$0.22 |
| Transit | \$3.32 |
| Total | \$18.76 |

- Bike/Ped
- Roadway
- Transit

Public Comments



- **Materials:** <https://www.h-gac.com/transportation-improvement-program/2025-2028>
- **Deadline:** April 24, 2024
- **Email:** publiccomments@h-gac.com
- **Mail:** Transportation Public Information
Houston-Galveston Area Council
P.O. Box 22777
Houston, TX 77227-2777

Timeline

| TASKS/ACTIONS | DATE |
|---|-----------------------|
| Review active projects and solicit feedback from project sponsors | January/February 2024 |
| Draft TIP project listing for information – TAC/TPC | March 2024 |
| Public Comment Period and Public Meeting – Draft Project Listing | March/April 2024 |
| Staff analysis and review of public comments | April 2024 |
| Final Draft TIP for information – TAC/TPC | April 2024 |
| Action on final 2025-2028 TIP | May 2024 |
| Submit Final Document to TxDOT | July 2024 |
| Anticipate TTC Approval of STIP | August 2024 |
| Anticipate Federal/State Approval of STIP | October/November 2024 |



Project Selection Process Update



Transportation Advisory Committee
April 17, 2024

Investment Categories

- Selection Process in progress
 - Major Projects
 - High Growth Area Needs
 - Operational Improvements and Congestion Management
 - Resiliency and State of Good Repair
 - Transit
 - Evaluation criteria available at <https://www.h-gac.com/transportation-project-selection-process>
- Questionnaires were submitted on February 15, 2024 (Available online: [Search "Transportation Project Questionnaires"](#))

Next Steps

| Selection Step | Month 2024 |
|--------------------------------------|-------------|
| Criteria questionnaires | Feb 15th |
| Evaluation scoring & ranking | March/April |
| Evaluation score validation | May |
| Benefit-cost analysis (BCA) | May/June |
| Project readiness | May/June |
| BCA scoring & ranking | June/July |
| BCA validation & final draft ranking | June/July |
| Anticipated recommendation | August |

Contacts



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