



Item 10. 2026-2027 Unified Planning Work Program



Transportation Policy Council
June 26, 2026

UPWP Amendment- Background

- The two-year Unified Planning Work Program (UPWP) is a Fluid Document.
- UPWP is allowed to be amended for changes, corrections, programming of funds and/or deprogramming of funds.
- As part of the fluid nature of UPWP process tasks can be modified based on regional activities and needs.

UPWP Amendment- Current Situation



- H-GAC Mid-year Agency Budget True Up occurring currently.
- H-GAC Transportation adjustments will:
 - True up of contracted services budgets.
 - Bring together all modal planning within regional planning to maximize resources.
 - Align some programs to focus on high priority and high impact efforts to include safety and operations.
 - Add in-house stakeholder and public engagement resources to support current work.

Projects Expected to Carry Forward



Task/Subtask Carry Forwards

Subtasks to Carry Forward

TASK I: Administration & Management

NONE

TASK II: Data Development & Maintenance

Subtask 2.1.a TDM Update and Support
 Subtask 2.1.a Freight Model Devel. & Support
 Subtask 2.1.a See Tool-Conformity Support

TASK III: Short Range Planning

Subtask 3.1.c TIP Software Development
 Subtask 3.2.a Regional Fares Planning Support
 Subtask 3.3.c Emissions Reduction Methodologies
 Subtask 3.3.c Regional Pollutant Inventories

Projects Expected to Carry Forward



Task/Subtask Carry Forwards

TASK IV: Metropolitan Transportation Plan

Subtasks to Carry Forward

- Subtask 4.1.a RTP Activities
- Subtask 4.1.b RTP Activities
- Subtask 4.2.a Liberty County Thoroughfare Plan
- Galveston County Thoroughfare Plan
- Waller County Thoroughfare Plan
- Subtask 4.2.b Freight Related CMP
- Subtask 4.2.b Freight Grade Separation Planning Program
- Subtask 4.2.b FM 197 Grade Separation Planning Program
- Subtask 4.2.b FM 197 Grade Separation Planning Study
- Subtask 4.2.c City of Needville Mobility Plan
- Montgomery County Mobility Plan
- Liberty County Mobility Plan
- Waller County Mobility Plan
- Subtask 4.5.c Long Range Reg. Act. Transportation Plan

Projects Expected to Carry Forward



Task/Subtask Carry Forwards

Subtasks to Carry Forward

TASK 5: Administration & Management

- Subtask 5.1.b Safety Action Plans
- Subtask 5.2.a Congestion Management Plan
- Subtask 5.3.b Livable Centers Cycle 7
- Subtask 5.4.a TSU Automated Vehicle Project
- Subtask 5.5.b Zero Emissions Vehicle Project
- Subtask 5.6.a Regional Resiliency Plan & Pilot
- Subtask 5.7.a Wayside Dr. Corridor Study
State Hwy. 35 Corridor Study
Regional Complete Streets
- Subtask 5.7.e Project Delivery Assessment & Plan

Staff Contact



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GREATER HOUSTON FREIGHT COMMITTEE

Private and Public Sector Discussions Regarding Freight Transportation Priorities,
Needs and Solutions

REPORT TO THE TRANSPORTATION POLICY COUNCIL

April GHFC Meeting Report

Co-Chairs

Callie Barnes – Port Houston

Chad Burke – Economic Alliance Houston Port Region

A multimodal port, rail, and highway network that moves the goods powering one of the world's most vibrant regional economies.

Panel Discussion Premise:

Bring industry experts of all forms of truck power trains together to hear current market analysis and future truck engine options

Agenda:

Port Freeport Update - Rob Lowe, Director of Administration/CFO

Panel Discussion:

TRUCK ENGINE COST & EMISSIONS COMPARISON

- Moderator – Dr. Carol Lewis, Dir. Transportation Studies, Texas Southern Univ.
- Ed Emmett – Energy and Transportation Rice University's Baker Institute
- Don Victory – Board Chair and Director, Founder of Energy Mentors
- Ahmed Farghaly – Operations Manager, TALKE USA
- Mac Burns – Business Development Manager, Tesla

TRUCK PURCHASE COST COMPARISON



ENGINE TYPE	MODEL	COST*
Diesel	MY27 Cascadia	\$172,000
Compressed Natural Gas (CNG)	MY27 Cascadia CNG X15N ProCab130	\$278,500
Battery-Electric Vehicles (BEV)	MY27 eCascadia 438 kWh	\$471,675
Hydrogen Fuel Cell Electric Vehicles (HFCEV)	MY27 Cascadia HFCEV Conversion	\$700,000

*Pricing was provided by Houston Freightliner

**Worlds Largest
Petrochemical Complex**

Nations Busiest Port

2B tons of goods move across the region's freight network each year

20% Texas GDP

\$439 BILLION Economic Impact in Texas
\$906 BILLION Economic Impact in the US

FUEL & ENERGY COST COMPARISON



ENGINE TYPE	COST PER MILE	KEY FACTORS
Diesel	\$0.55 – \$0.75	Dependent on market price
Compressed Natural Gas (CNG)	\$0.45 – \$0.60	Stable domestic supply & lower price volatility
Battery-Electric Vehicles (BEV)	\$0.30 – \$0.45	Utility rate & charger efficiency
Hydrogen Fuel Cell Electric Vehicles (HFCEV)	~\$2.85	\$20/kg • 7 mi/kg

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TECHNICAL PROS & CONS



DIESEL

PROS:

- Long Range
- Fast Refueling
- Mature Service Network
- Lowest Upfront Cost

CONS:

- Highest Tailpipe
 - CO₂ & NO_x;
- Regulatory Pressure
- Price Volatility

CNG

PROS:

- Lower NO_x Than Diesel
- Cleaner Combustion
- Established Engine Tech

CONS:

- Reduced Range
- Larger Tanks
- Non-Zero CO₂
- Regional Station Gaps

BEV

PROS:

- Zero Tailpipe
- Quiet
- Lower Maintenance
- Depot-friendly

CONS:

- Range Limits
- Charging Time
- Higher Truck Weight
- Charger Capex

HYDROGEN

PROS:

- Zero Tailpipe
- Fast Refuel
- Long-range Potential

CONS:

- Highest Vehicle Cost
- Limited Stations
- High \$/KG
- Higher Truck Weight
- Evolving Efficiency

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FINDINGS:

DIESEL ENGINE DOMINANCE - Low upfront costs (trucks), long operating ranges, mature infrastructure, and durability

In 2027 Low NOx, 90% reduction of PM2.5

EMERGING ALTERNATIVE TECHNOLOGIES - CNG, BEV, and Hydrogen HFCEV trucks offer environmental benefits but face high upfront costs, limited range, sparse infrastructure, and performance challenges

Recommendation: Focus energy/time on providing options (such as grants) to encourage truck replacements with upcoming improved 2027 vehicles

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Next GHFC Meeting – August 27th

Presentation: Port of Texas City Update – Tyson Moeller, President, Executive Director

Panel Discussion:

Global Disruption's Impact on Houston's Oil & Gas Manufacturing and Supply Chain

- Moderator – John Moseley, Chief Commercial Officer, Port Houston
- Charles Neal – General Manager, Kuraray America, Inc. (Petrochem Manufacturer)
- Vince DiCosimo – Energy Executive, Targa (Oil & Gas)
- Matt Glass – 2nd Officer Houston Ship Pilots
- Richard Heath – President & CEO, TALKE USA (Trucking & Transportation)



ITEM 12. North Houston Communities Transportation Priorities Plan



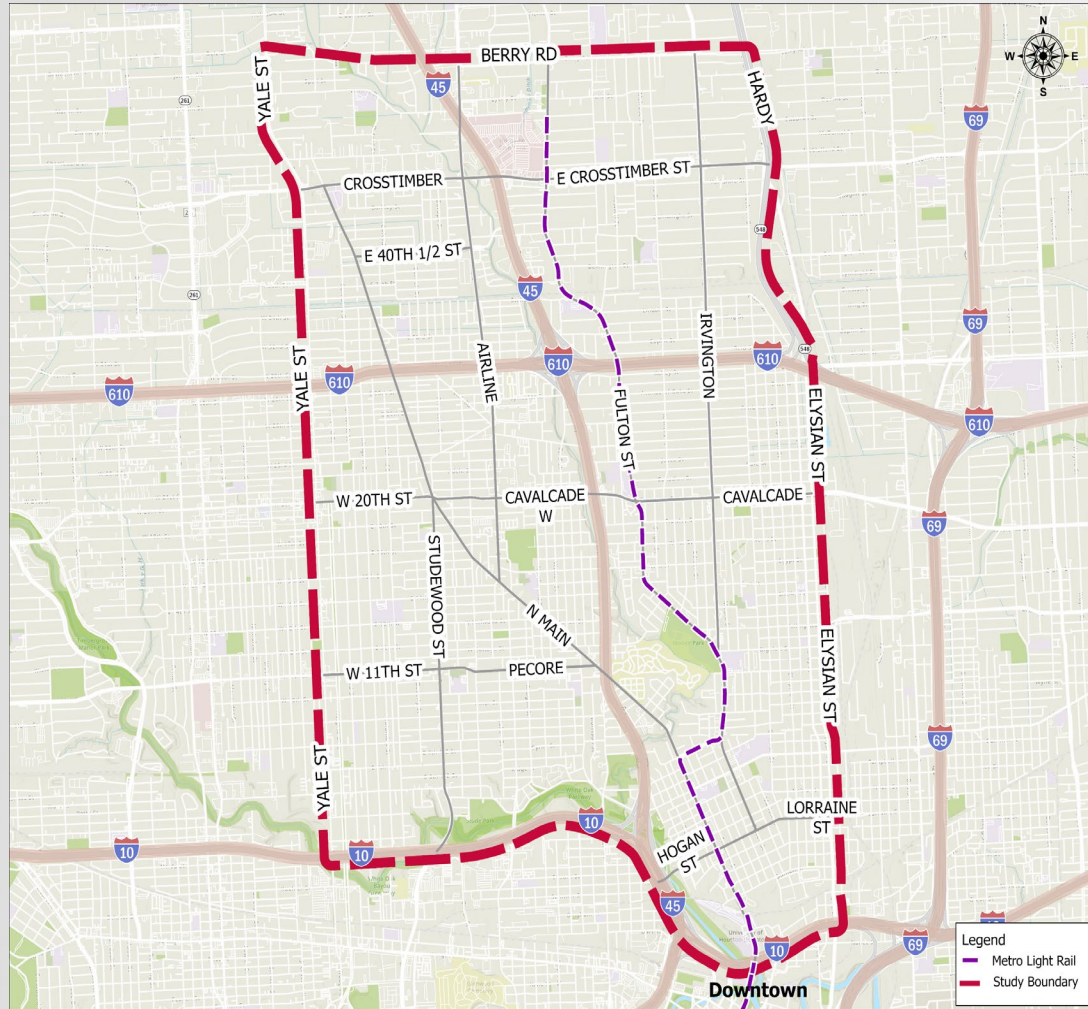
Transportation Policy Council
June 26, 2026

Background



- July 2019: TPC Resolution committed \$1.5 million for North Houston Communities Transportation Priorities Plan(NHCTPP) and \$50 million for transportation improvements in the surrounding areas of Segment 2 of the North Houston Highway Improvement Project(NHHIP) to mitigate the adverse effect.
- March 2021: The Federal Highway Administration (FHWA) placed NHHIP on pause.
- March 2023: FHWA lifted the pause on NHHIP.

Study Area



■ Study Area

- North - Berry Road
- South – I-10
- East – Elysian/Hardy Toll Road
- West – Yale Street

Goals of the Plan



Identify where **new or improved pedestrian and bicycle paths and trails** would leverage community assets and provide connectivity to community destinations



Identify where **enhanced landscaping, lighting, signage, transit stops, crosswalk treatments, traffic calming** and other transportation-related amenities would support neighborhood cohesion and livability.



Identify where **transportation-related investments for transit or multimodal-oriented developments** could improve quality of life and strengthen the historical and cultural identity of area neighborhoods.



Identify potential **“low emission zones”**, that would establish priorities for reducing vehicle emissions



Enhanced **air quality monitoring** to provide baseline data before, during and after NHHIP project completion



Develop **Implementation Plan** – List of projects to implement and identify funding sources.

Project Timeline



Timeline - 12 months

Project kickoff – February 3, 2026

First Steering Committee – March 24, 2026

First Public Meeting – May 19, 2026

Second Steering Committee Meeting – June 3, 2026

Focus Group Interview – May/June 2026

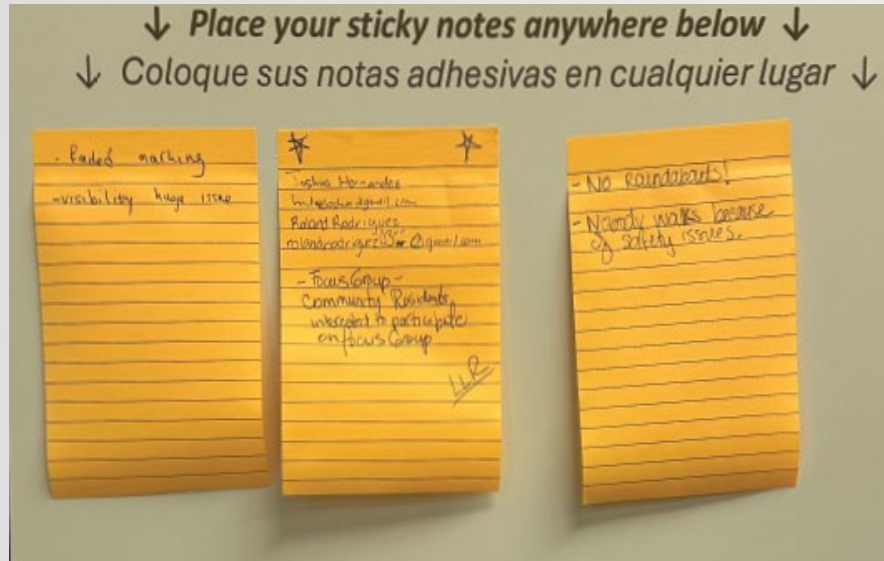
Second Public Meeting – November 2026

Scenario Development – Fall 2026

Draft Recommendations – Early 2027

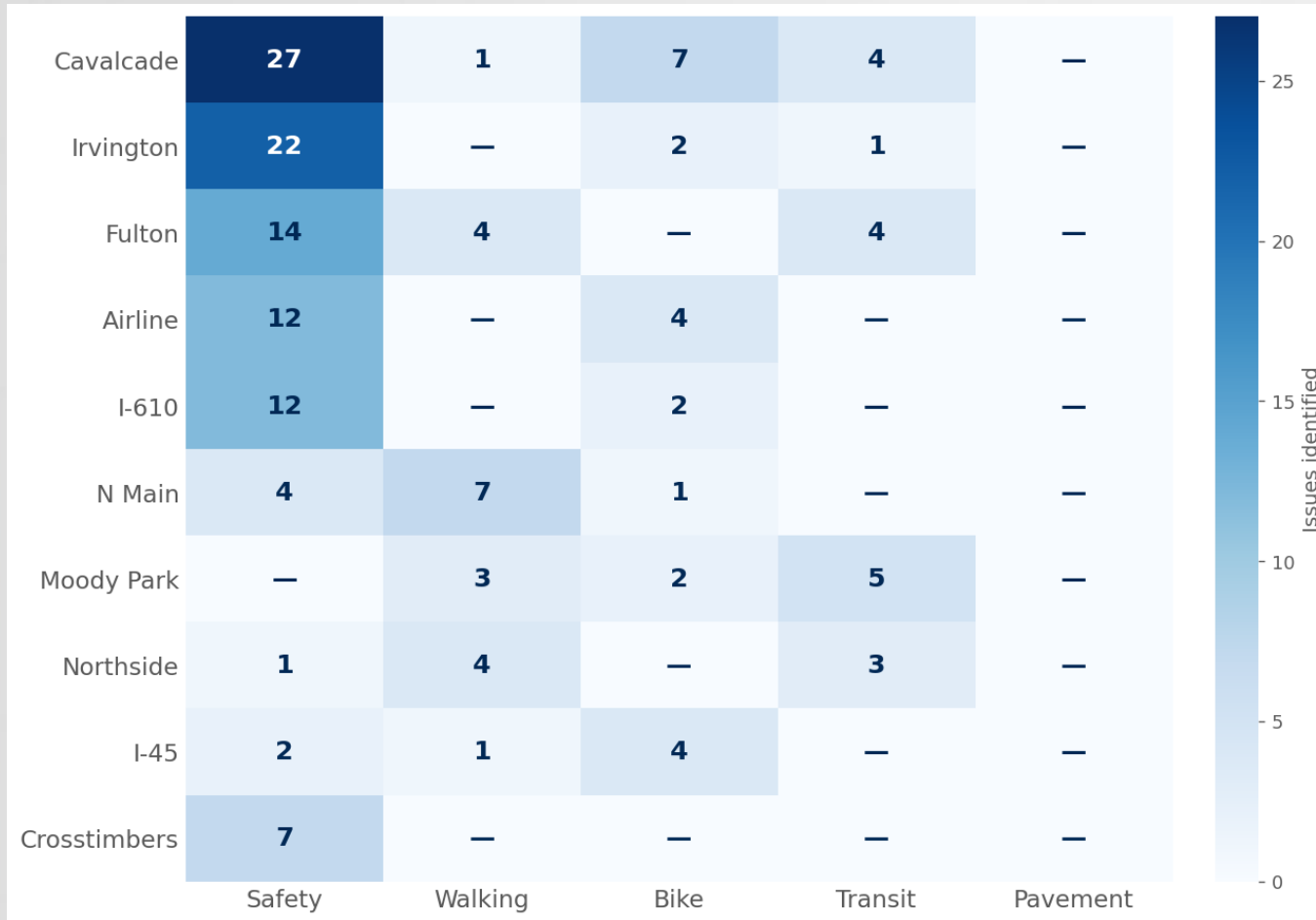


Public Meeting Summary



Fighting Planning Fatigue - attended many public meetings like this and answered very similar survey/input sessions - but has not seen any updates in real life / update from previous projects.

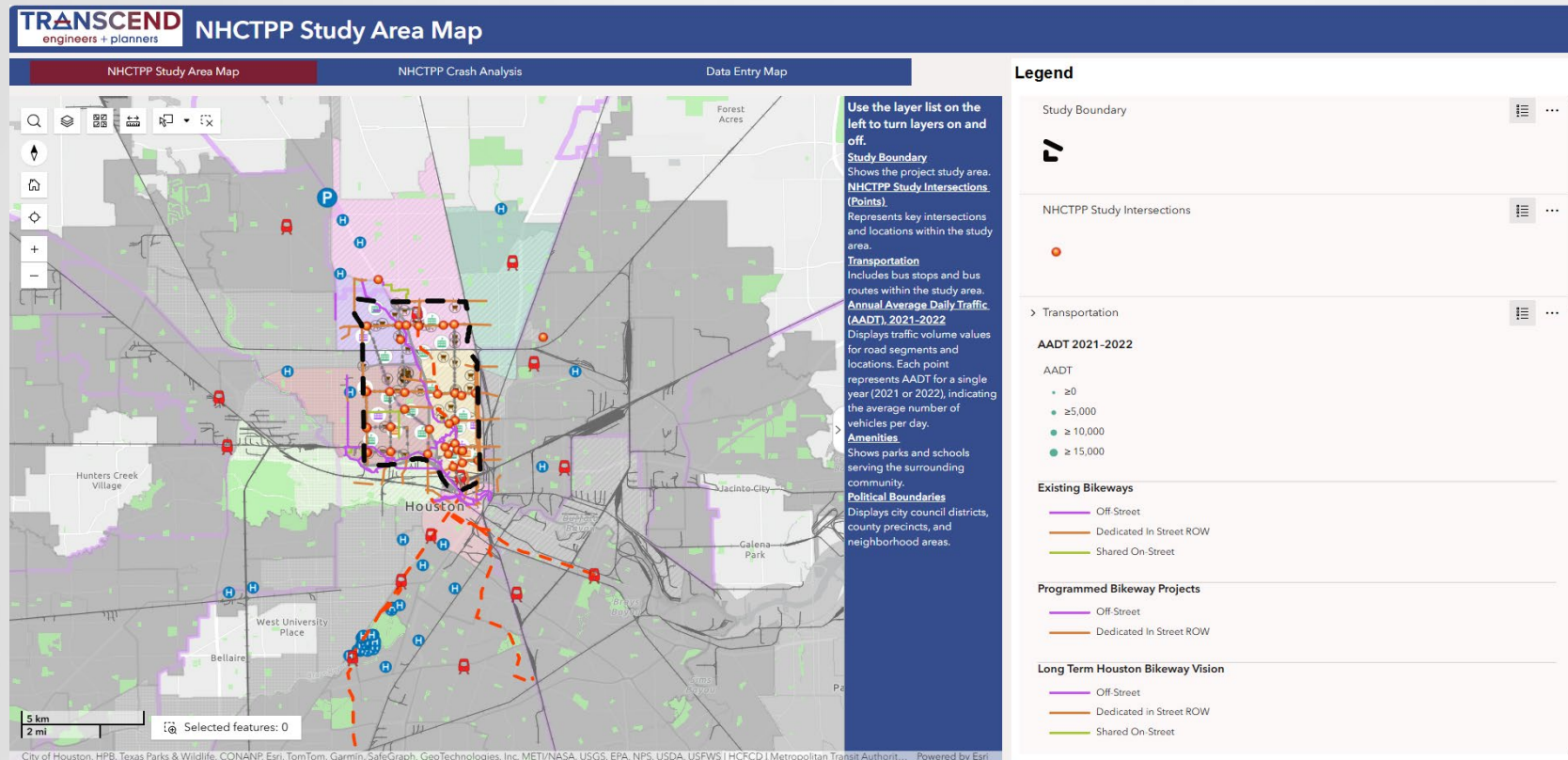
Public Meeting Summary



“Homelessness has become a threat to transportation mode choice - Crosstimbers, Burnett Transit Center, Moody Park.”

Current Status

- Data Gathering
- Focus Group Interviews




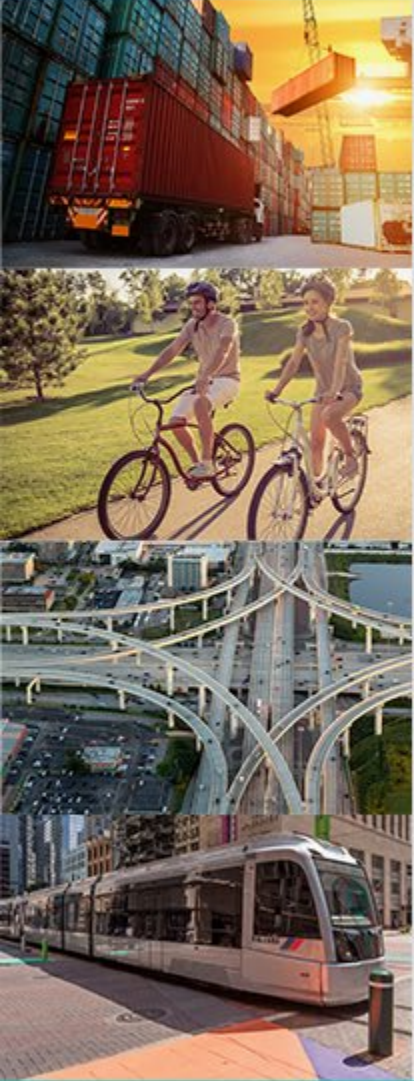
Next Steps

- Second Public Meeting – November 2026
- Third Steering Committee Meeting – Fall 2026
- Recommendations – Early 2027
 - Short-term
 - Mid-term
 - Long-term



Project Webpage

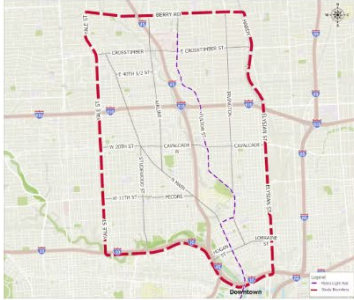
- <https://engage.h-gac.com/nhctpp>



Home / North Houston Communities Transportation Priorities Plan

North Houston Communities Transportation Priorities Plan

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The North Houston Communities Transportation Priorities Plan (NHCTPP) will identify and prioritize transportation needs to support community planning adjacent to IH 45, north of IH 10, and south of Berry Road.

Through a robust and comprehensive community-based public engagement process, the NHCTPP, or the "Plan", will work with the community and relevant agencies to identify transportation needs and priorities, including active transportation and transit infrastructure investment in these communities.

The Plan will guide community development and recommend solutions that advance community goals, improve multimodal options, enhance connectivity, increase safety and traffic flow, reduce congestion, and improve air quality, all while maintaining the area's aesthetics and improving the quality of

Key Dates

- Public Meeting
May 19 2026

STAY INFORMED
Subscribe for project updates

Your email address...

SUBSCRIBE

18 members of your community are following this project



- Survey is open from May 19 – July 19

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Item 13. 2050 Regional Transportation Plan Update



Transportation Policy Council
June 26, 2026

We Are Here

CONSTRUCTION &
IMPLEMENTATION

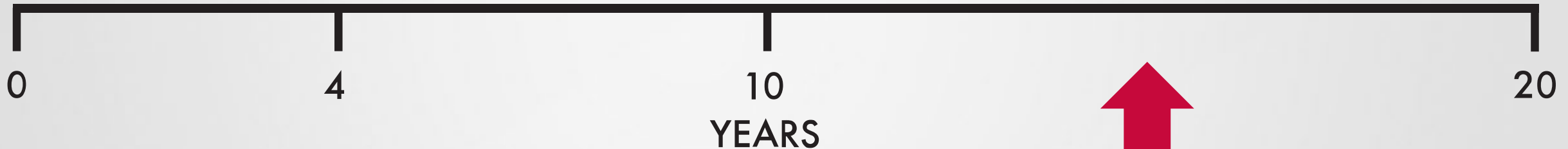
PROJECT
DEVELOPMENT

VISION
PLANNING

**TRANSPORTATION
IMPROVEMENT
PROGRAM (TIP)**

10-YEAR PLAN

**REGIONAL
TRANSPORTATION
PLAN**



Call for Projects



The RTP2050 Call for Projects is Now Open

About the RTP Call for Projects

The Regional Transportation Plan (RTP) Call for Projects (CFP) evaluates long-term projects for their inclusion into the fiscally constrained RTP2050 project list. The RTP2050 Call for Projects will be open **June 1, 2026, till July 17, 2026**.

The CFP is the process through which public agencies [submit](#) transportation projects for consideration and evaluation for inclusion in the [RTP2050](#). Responses are intended to help agencies understand eligibility requirements, the evaluation process, and how submitted projects will be used to shape the region's long-range transportation investment priorities.

RTP2050 Call for Projects Submission – Steps

1. Click the link and select **“Request Access”** to enter the [application portal](#).
2. Complete the access request form and submit it.
3. Monitor your email for instructions to finalize your account setup.
4. Sign in and review the application guide carefully.
5. Complete and submit your application.


Stay Connected and Join Office Hours

To help ensure broad visibility within your organization, please share any additional contacts who should receive [RTP2050](#) Call for Projects information, updates, and application materials.

Engage Website/ RTP2050.com

- Overview
- Frequently Asked Questions
- Portal Link
- Instructions
- Contacts

Application Portal Overview



HOUSTON GALVESTON AREA COUNCIL


RTP2050 H-GAC Call for Projects

Sign in with your ArcGIS Online account to submit or review project applications.

[Sign In with ArcGIS Online](#)

Don't have an account? [Request Access](#)

callproject wants to access your ArcGIS Online account information ?

Sign in 


ArcGIS login ^

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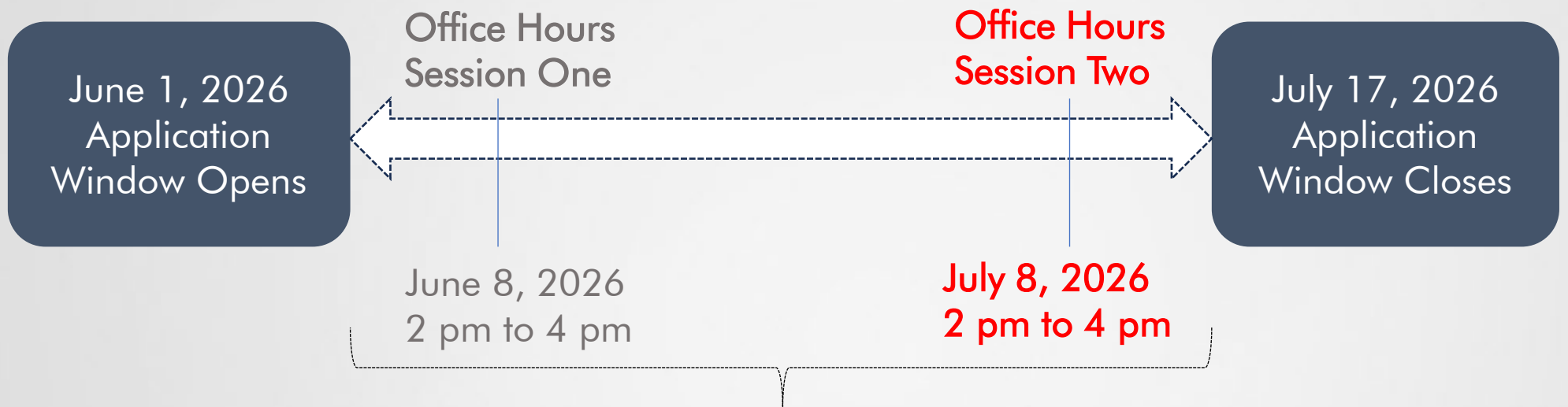
Your ArcGIS organization's URL ^



[Privacy](#)

- Request Access
- Complete the access request form and submit.
- Follow email instructions to finalize your account setup.
- Sign in.
- Fill & Submit Application.

Call for Projects Office Hours



Call: 832-821-2050 or
Email: RTP2050@h-gac.com

RTP 2050 Evaluation Overview



- Sponsors will submit applications via the online portal.
- Evaluation scoring will be cumulative.
- Each section will be assigned 20 points.
 - Total possible points of 100.
- Each goal will require a narrative response.
- Projects will be evaluated based on total points and narrative.
- Sponsors will be provided resources via H-GAC website to help respond to questionnaire.

RTP 2050 Public Involvement Post Call

- Host virtual public meetings.
- Pop ups in events around the region
 - City Council Meetings
 - Commissioners Courts
 - Super Neighborhoods
- Join existing outreach efforts by other H-GAC programs.



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