



Item 6. Unified Planning Work Program (UPWP) Amendments



Transportation Policy Council
August 28, 2026

Background



1. Unified Planning Work Program (UPWP) mid-year true-up with H-GAC Agency Budget Mid-Year Cycle. (May Presentation)

2. Review all projects' status and timeframes to determine continuation to FY 2027 from FY 2026. (June Presentation)

3. Identify and presented projects that will be ongoing into FY 2027 from FY 2026-Carried Forward. (July Presentation)

Current Situation



Budget Amendment:

- In a two-year UPWP, funds are carried forward from the first year of the UPWP to the second year to complete ongoing projects.
- TASK V, Subtask 5.7.a, transportation staff is requesting to add two activities to the 2026-2027 UPWP;
 - The Sienna Corridor Plan
 - The Navigation Corridor Study
- **There will be no increase in funding requested.*
- **Administrative Amendment**-will add language to capture expansion of roadways as possible solutions to improve the movement of people and goods through the region.

Current Situation

FY 2027 TPF- New Budget Totals per Task					
TASK	FY 2026 Funds	FY 2026 Carry Forward Funds Total	FY 2027 Funds		FY 2027 New Total
TASK I	\$ 5,677,072.00	\$ -	\$ 5,613,366.00	\$	5,613,366.00
TASK II	\$ 5,659,313.00	\$ 389,431.00	\$ 5,572,746.00	\$	5,962,177.00
TASK III	\$ 2,568,188.00	\$ 674,119.00	\$ 1,615,984.00	\$	2,290,103.00
TASK IV	\$ 6,283,254.00	\$ 2,668,937.00	\$ 8,591,810.00	\$	11,260,747.00
TASK V	\$ 10,400,449.00	\$ 2,805,867.00	\$ 9,798,695.00	\$	12,604,562.00
Totals:	\$ 30,588,276.00	\$ 6,538,354.00	\$ 31,192,601.00	\$	37,730,955.00

Request for Recommendation

Transportation Advisory Committee recommendation for Transportation Policy Council approval of Resolution No. UPWP 2026/27-03 supporting Unified Planning Work Program (UPWP).



Staff Contact



Neely Kim

Senior Manager

Neely.Kim@h-gac.com

832-681-2531



2026 Transit Asset Management Performance Measures Update



Kareem Heshmat, Senior Planner
August 28, 2026



Transit Asset Management (TAM) and Public Transportation Safety Agency

State of Good Repair Performance Measure

Percentage of equipment (non-revenue vehicles) that have either met or exceeded their Useful Life Benchmark

Percentage of rolling stock (revenue vehicles) that have either met or exceeded their Useful Life Benchmark

Percentage of infrastructure (rail fixed guideway track) that have performance restrictions

Percentage of facilities (buildings and structures) that are rated below condition 3 on the Transit Economic Requirement Model scale

Public Transportation Safety Performance Measures

Total number of fatalities

Total number of injuries

Total number of safety events

Rate of fatalities per vehicle revenue mile (VRM)

Rate of injuries per VRM

Rate of safety events per VRM

Mean distance between major mechanical failures

H-GAC & Transit Agency Roles

H-GAC:

- Coordinate with regional transit providers
- Establish regional TAM performance targets
- Use the most recent available provider data
- Reflect TAM performance in the RTP and TIP
- Document data sources and provider coordination

Transit Agencies:

- Maintain a TAM Plan
- Update the TAM Plan at least every 4 years
- Set annual TAM performance targets
- Report asset condition data to the NTD
 - *2024 NTD data is available as of June 2026*

2026 TAM Data Approach

- **For the 2026 update, H-GAC used:**
 - Updated 2026-cycle TAM Plans where submitted
 - Most recent agency-submitted TAM data where no newer data was available
- **Excluded from regional calculations:**
 - Brazos Transit District — unable to itemize H-GAC MPA asset condition data
 - Colorado Valley Transit — reports through TxDOT statewide group plan
 - Sugar Land On Demand — does not utilize FTA funds; exempt from reporting
- **Subcommittee Feedback**
 - **Thurs 7/9 RTCS:** Connect with other MPOs to see how they track performance measures
 - **Weds 8/12 TIP:** Reconsider improved (lower) Equipment (non-revenue vehicle) targets

Regional TAM Performance Targets

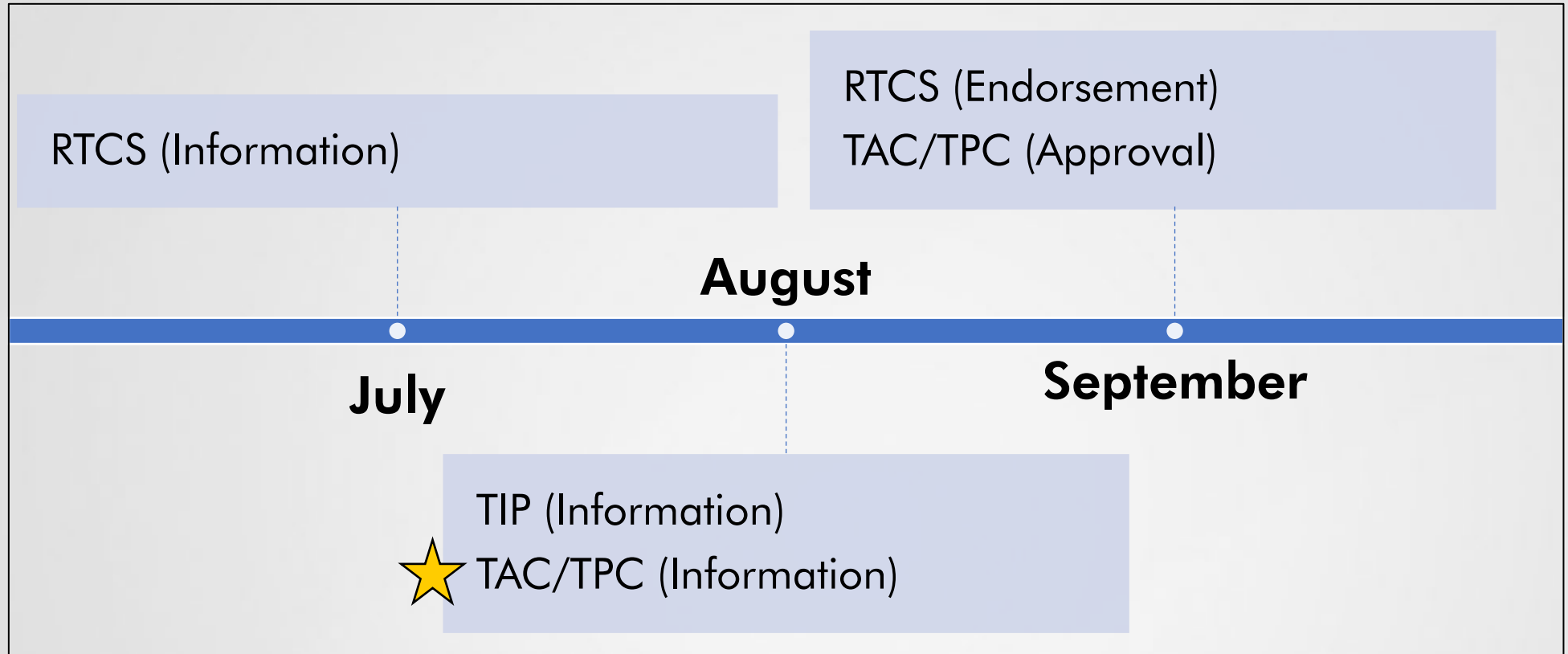
Performance Targets and Actuals by Year											
Asset Category	2022			2024			2026			Proposed Targets*	
	Targets	Actuals	Met	Targets	Actuals	Met	Targets	Actuals	Met	2028	2030
Rolling Stock (revenue vehicles)	10%	10%	✓	10%	20%	✗	20%	19%	✓	20%	20%
Equipment (non-revenue vehicles)	46%	46%	✓	46%	55%	✗	55%	32%	✓	30%	30%
Facilities (buildings and structures)	54%	45%	✓	45%	28%	✓	28%	8%	✓	8%	8%
Infrastructure (rail tracks, signals & systems)	0%	0%	✓	0%	1%	✗	1%	1%	✓	1%	1%

Note: A lower percentage indicates better condition of transit assets

Transit Investments to Watch

- **\$1.9bn:** Total federal funding programmed through 2030 for transit agency as capital or infrastructure projects

Timeline



RTCS- Regional Transit Coordination Subcommittee
TIP – Transportation Improvement Plan Subcommittee
TAC – Transportation Advisory Committee
TPC- Transportation Policy Council

Action Requested

- Discussion only



Staff Contact



Kareem Heshmat

Senior Planner

Kareem.heshmat@h-gac.com

346-826-9029



2026 PUBLIC TRANSPORTATION AGENCY PERFORMANCE MEASURES UPDATE



Kareem Heshmat, Senior Planner
August 28, 2026





Safety Performance Measures

All Applicable Transit Agencies

All agencies subject to the PTASP regulation must set Safety Performance Targets (SPTs) for these 14 general safety performance measures in the National Safety Plan

- Agencies must set individual SPTs for each modal group they operate
- FTA does not require a specific target-setting methodology for these measures

General Safety Performance Measures

1a: Major Events	2.1: Transit Worker Fatality Rate (NEW)
1b: Major Event Rate	3a: Injuries
1.1: Collision Rate (NEW)	3b: Injury Rate
1.1.1: Pedestrian Collision Rate (NEW)	3.1: Transit Worker Injury Rate (NEW)
1.1.1: Vehicular Collision Rate (NEW)	4a: Assaults on Transit Workers (NEW)
2a: Fatalities	4b: Rate of Assaults on Transit Workers (NEW)
2b: Fatality Rate	5: System Reliability

Setting 2028 and 2030 Regional Targets

1. **Methodology:** For existing targets, regional weights are applied to individual agency PTASPs based on Vehicle Revenue Miles (VRM)
2. **Vision Zero Approach:** Staff recommends using TPC's adopted Vision Zero framework as the baseline for fatalities.
3. **Continuous Improvement:** H-GAC intends to reevaluate these regional targets as more granular data for the seven new performance targets are reported to the National Transit Database (NTD).
4. **Subcommittee Feedback:**
 1. Thurs 7/9 RTCS: Connect with other MPOs to see how they track performance measures
 2. Weds 8/12 TIP: Consider zero fatality targets

Tier I – METRO and Island Transit (Bus)							
Mode	#	Category	2023		2025	2028	2030
			Targets	Actual	Actual	Target	Target
Bus	1a	Major Safety Events	136	398	438	260	260
	1b	Major Safety Event Rate per 100k Vehicle Revenue Mile	0.33	0.942	0.948	0.500	0.500
	1.1	Collision Rate (NEW)	-	-	0.491	0.490	0.490
	1.1.1	Pedestrian Collision Rate per 100k Vehicle Revenue Mile (NEW)	-	-	0.03	0.03	0.03
	1.1.2	Vehicular Collision Rate per 100k Vehicle Revenue Mile (NEW)	-	-	0.429	0.429	0.429
	2a	Fatalities	0	6	3	0	0
	2b	Fatality Rate per 100k Vehicle Revenue Mile	0	0.014	0.006	0	0
	2.1	Transit Worker Fatality Rate per 100k Vehicle Revenue Mile (NEW)	-	-	0	0	0
	3a	Injuries	175	387	438	233	233
	3b	Injury Rate per 100k Vehicle Revenue Mile	0.425	0.916	0.948	0.45	0.45
	3.1	Transit Worker Injury Rate per 100k Vehicle Revenue Mile (NEW)	-	-	0.002	0	0
	4.1	Assaults on Transit Workers (NEW)	-	-	14	14	14
	4b	Rate of Assaults on Transit Workers per 100k Vehicle Revenue Mile (NEW)	-	-	0.03	0.03	0.03
	5	System Reliability (Note: higher is better)	6,750	6,219	5,934	6,627 ⁵	6,627

Tier I – METRO and Island Transit (Paratransit)

Mode	#	Category	2023		2025	2028	2030
			Targets	Actual	Actual	Target	Target
Paratransit	1a	Major Safety Events	39	52	63	36	36
	1b	Major Safety Event Rate per 100k Vehicle Revenue Mile	0.289	0.304	0.313	0.19	0.19
	1.1	Collision Rate (NEW)	-	-	0.194	0.18	0.18
	1.1.1	Pedestrian Collision Rate per 100k Vehicle Revenue Mile (NEW)	-	-	0	0.01	0.01
	1.1.2	Vehicular Collision Rate per 100k Vehicle Revenue Mile (NEW)	-	-	0.184	0.17	0.17
	2a	Fatalities	0	0	0	0	0
	2b	Fatality Rate per 100k Vehicle Revenue Mile	0	0	0	0	0
	2.1	Transit Worker Fatality Rate per 100k Vehicle Revenue Mile (NEW)	-	-	0	0	0
	3a	Injuries	35	58	62	29	29
	3b	Injury Rate per 100k Vehicle Revenue Mile	0.174	0.339	0.308	0.15	0.15
	3.1	Transit Worker Injury Rate per 100k Vehicle Revenue Mile (NEW)	-	-	0	0	0
	4.1	Assaults on Transit Workers (NEW)	-	-	0	0	0
	4b	Rate of Assaults on Transit Workers per 100k Vehicle Revenue Mile (NEW)	-	-	0	0	0
	5	System Reliability <i>(Note: higher is better)</i>	21,000	17,769	18,135	17,499 ⁶	17,499

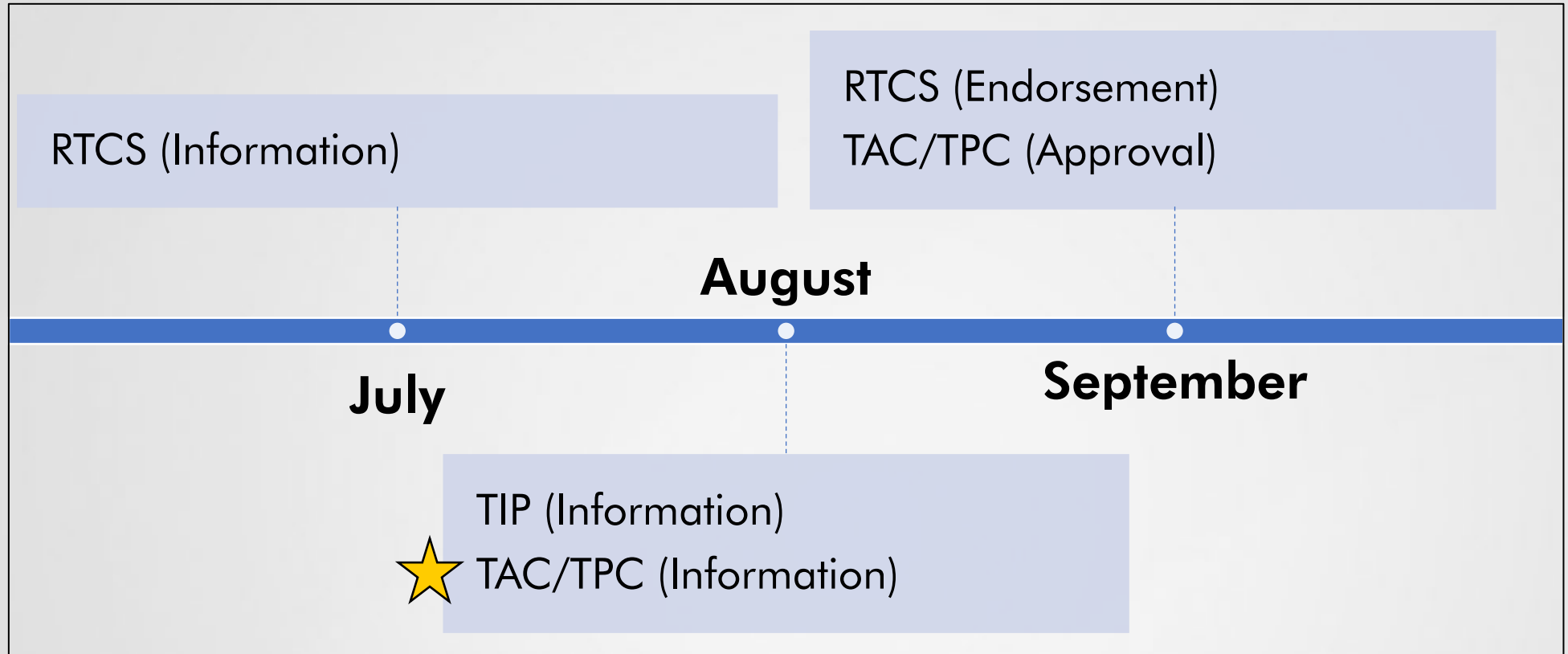
Tier I – METRO and Island Transit (Rail)							
Mode	#	Category	2023		2025	2028	2030
			Targets	Actual	Actual	Target	Target
Rail	1a	Major Safety Events	100	93	132	111	111
	1b	Major Safety Event Rate per 100k Vehicle Revenue Mile	4.715	2.902	3.989	3.27	3.27
	1.1	Collision Rate (NEW)	-	-	1.571	1.571	1.571
	1.1.1	Pedestrian Collision Rate per 100k Vehicle Revenue Mile (NEW)	-	-	0.423	0.423	0.423
	1.1.2	Vehicular Collision Rate per 100k Vehicle Revenue Mile (NEW)	-	-	1.118	1.118	1.118
	2a	Fatalities	0	2	2	0	0
	2b	Fatality Rate per 100k Vehicle Revenue Mile	0	0.062	0.060	0	0
	2.1	Transit Worker Fatality Rate per 100k Vehicle Revenue Mile (NEW)	-	-	0	0	0
	3a	Injuries	45	69	70	50	50
	3b	Injury Rate per 100k Vehicle Revenue Mile	1.886	2.153	2.115	1	1
	3.1	Transit Worker Injury Rate per 100k Vehicle Revenue Mile (NEW)	-	-	0.060	0.060	0.060
	4.1	Assaults on Transit Workers (NEW)	-	-	2	2	2
	4b	Rate of Assaults on Transit Workers per 100k Vehicle Revenue Mile (NEW)	-	-	0.060	0.060	0.060
	5	System Reliability (Note: higher is better)	15,000	45,789	103,414	105,981	105,981

Tier II Transit Agencies (Commuter/Fixed Route)

Mode	#	Category	2023		2025	2028	2030
			Targets	Actual	Actual	Target	Target
Commuter/Fixed Route	1a	Major Safety Events	0.53	2.28	1.64	1.05	1.05
	1b	Major Safety Event Rate per 100k Vehicle Revenue Mile	0.20	0.27	0.36	0.56	0.56
	1.1	Collision Rate (NEW)	-	-	0. 19	0	0
	1.1.1	Pedestrian Collision Rate per 100k Vehicle Revenue Mile (NEW)	-	-	0	0	0
	1.1.2	Vehicular Collision Rate per 100k Vehicle Revenue Mile (NEW)	-	-	0. 186	0	0
	2a	Fatalities	0	0	0	0	0
	2b	Fatality Rate per 100k Vehicle Revenue Mile	0	0	0	0	0
	2.1	Transit Worker Fatality Rate per 100k Vehicle Revenue Mile (NEW)	-	-	0	0	0
	3a	Injuries	0.28	1.66	0.26	0.61	0.61
	3b	Injury Rate per 100k Vehicle Revenue Mile	0.15	0.20	0.036	0.21	0.21
	3.1	Transit Worker Injury Rate per 100k Vehicle Revenue Mile (NEW)	-	-	0	0	0
	4.1	Assaults on Transit Workers (NEW)	-	-	0	0	0
	4b	Rate of Assaults on Transit Workers per 100k Vehicle Revenue Mile (NEW)	-	-	0	0	0
	5	System Reliability <i>(Note: higher is better)</i>	150,207	32,640	60,917 (2024)	98,005	98,005

Tier II Transit Agencies (Demand Response)							
Mode	#	Category	2023		2025	2028	2030
			Targets	Actual	Actual	Target	Target
Demand Response	1a	Major Safety Events	1.90	0.94	0	1.24	1.24
	1b	Major Safety Event Rate per 100k Vehicle Revenue Mile	0.20	0.090	0	0.19	0.19
	1.1	Collision Rate (NEW)	-	-	0	0	0
	1.1.1	Pedestrian Collision Rate per 100k Vehicle Revenue Mile (NEW)	-	-	0	0	0
	1.1.2	Vehicular Collision Rate per 100k Vehicle Revenue Mile (NEW)	-	-	0	0	0
	2a	Fatalities	0	0	0	0	0
	2b	Fatality Rate per 100k Vehicle Revenue Mile	0	0	0	0	0
	2.1	Transit Worker Fatality Rate per 100k Vehicle Revenue Mile (NEW)	-	-	0	0	0
	3a	Injuries	1.68	1.41	0.36	1.07	1.07
	3b	Injury Rate per 100k Vehicle Revenue Mile	0.15	0.13	0.058	0.10	0.10
	3.1	Transit Worker Injury Rate per 100k Vehicle Revenue Mile (NEW)	-	-	0	0	0
	4.1	Assaults on Transit Workers (NEW)	-	-	0	0	0
	4b	Rate of Assaults on Transit Workers per 100k Vehicle Revenue Mile (NEW)	-	-	0	0	0
	5	System Reliability (Note: higher is better)	288,488	221,234	174,176	251,590	251,590

Timeline



RTCS- Regional Transit Coordination Subcommittee
TIP – Transportation Improvement Plan Subcommittee
TAC – Transportation Advisory Committee
TPC- Transportation Policy Council

Action Requested

- Discussion only



Staff Contact



Kareem Heshmat

Senior Planner

Kareem.heshmat@h-gac.com

346-826-9029



Item 12. Reliability, Congestion and Air Quality Performance Measures



Transportation Policy Council
August 28, 2026

Performance Measures

Reliability

- Personal & Truck Travel on NHS

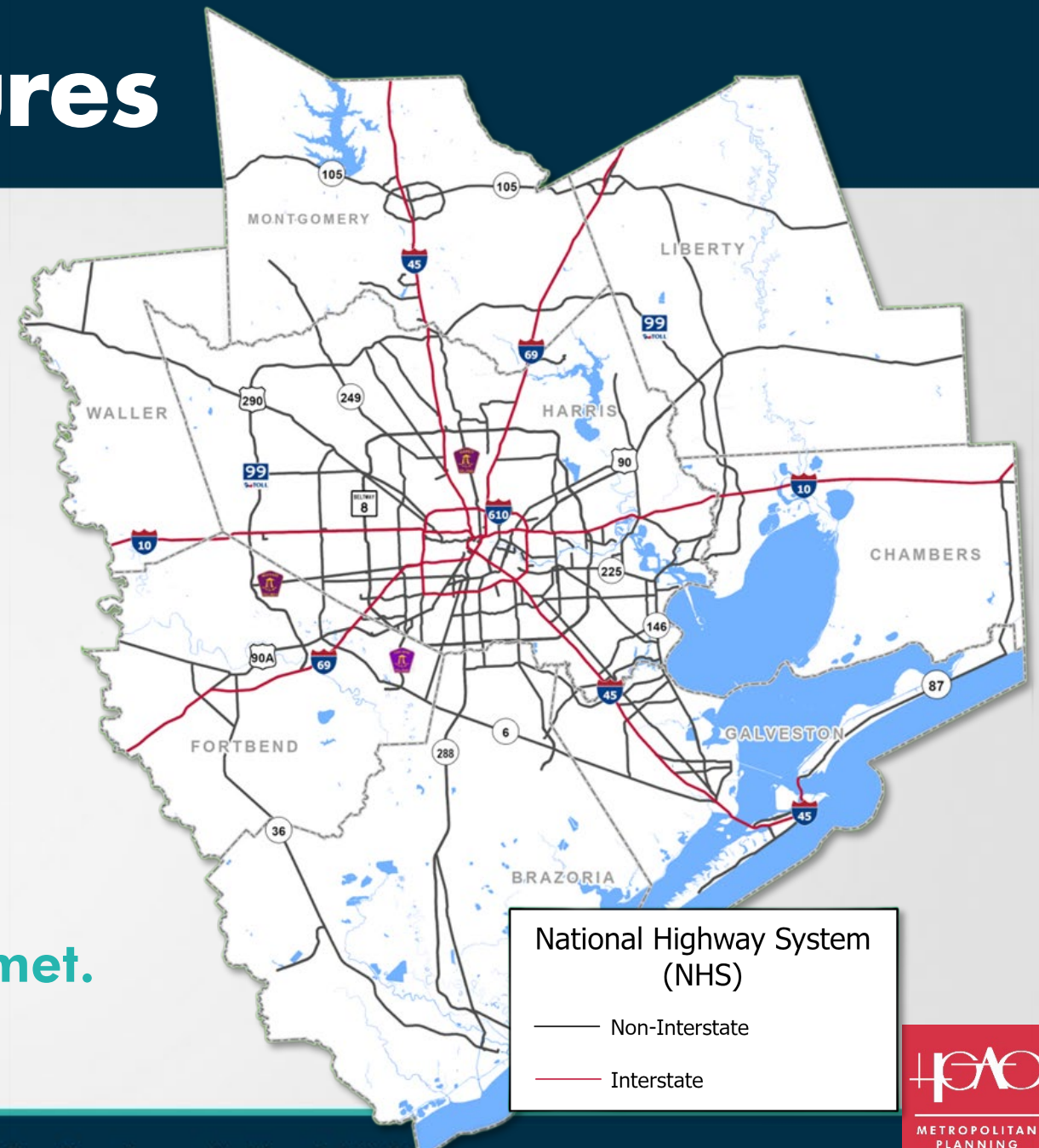
Congestion

- Peak Hour Excessive Delay
- Non-Single Occupant Vehicles Trips

Air Quality

- Tailpipe emission reductions from Congestion Mitigation Air Quality (CMAQ) project

There are no penalties if targets aren't met.



Performance Measures - Reliability

- Interstate and Non-Interstate Reliability
- Level of Travel Time Reliability (LOTTR) = Ratio of the 80th percentile (bad traffic) / 50th percentile (normal traffic)
- Truck Travel Time Reliability
- Truck Travel Time Reliability (TTTR) Index is the time a truck driver adds to a median trip length to arrive on-time, 95% of the time.

Performance Measures- Reliability

Federal Performance Measures	Desired Trend	2026 Target	2026 Actual Performance	2026 Target Met?	2028 Target	2030 Target
Interstate Reliability		71%	65.6%	No	62%	57%
Non-interstate Reliability		77%	78.1%	Yes	76%	73%
Truck Travel Time Reliability Index		2.2	1.9	Yes	2.0	2.0

Strategies, Projects & Programs



- Regional Transportation Plan (RTP)/Congestion Management Plan (CMP)
- Transportation Improvement Program (TIP)
- Project Selection Process
 - Operational Improvements & Congestion Management
- Tow and Go Program
- TranStar
- Commute Solutions
- Connect Smart app



Performance Measures - Congestion

- Peak Hour Excessive Delay
 - The annual average hours of extra travel time on the National Highway System in excessive conditions per capita.
- Non-Single Occupant Vehicle Travel
 - Percent of Work Trips made in Non-Single Occupant Vehicles (such as, carpooling, riding public transportation, walking, bicycling, taxicab or other means, or travel avoided by working from home)
 - American Community Survey (ACS) 5-year averages

Performance Measures - Congestion

Federal Performance Measures	Desired Trend	2026 Target	Actual Performance	2026 Target	2028 Target	2030 Target
Peak Hour Excessive Delay - Houston		17 hours	17.9 hours	No	19 hours	20 hours
Peak Hour Excessive Delay – The Woodlands/Conroe		8 hours	15.4 hours	No	16 hours	18 hours
Non-Single Occupant Vehicles Travel - Houston		22.6%	29.3%	Yes	30%	30%
Non-Singles Occupant Vehicles Travel – The Woodlands/Conroe		21.6%	28.3%	Yes	30%	30%

On-Road Mobile Source Emission Reductions (kg/day)

Congestion Mitigation Air Quality (CMAQ) Measures

Target Years	NO _x	VOC
2024 Two-Year Targets	221.251	69.939
Two-Year Actuals	19.888	4.325
Two-Year Shortage	201.363	65.614
2026 Four-Year Targets	601.465	172.864
Four-Year Actuals	172.542	72.432
Four-Year Shortage	428.923	100.432

Targets were **not met** due to the following:

- Five projects were delayed by project sponsors to FY 2026 or later.
 - Commuter & Transit Pilot Projects, Clean Vehicles Program, and others.

However, one project advanced to FY 2025 due to project readiness.

Projects with emission reductions but without CMAQ funding do not count toward these performance measures.



Desired Trend
for Improvement

On-Road Mobile Source Emission Reductions (kg/day)

Two- and four-year targets were set using a **project delivery success rate** to compensate for project delays and shifts that normally occur when programming projects.

Congestion Mitigation Air Quality (CMAQ) Measures

Baseline & Target Years	NO _x	VOC
2028 Two-Year Targets (FY 26 & 27)	330.710	36.025
2030 Four-Year Targets (FY 26, 27, 28, & 29)	369.980	47.281

CMAQ Eligible Projects & Programs

- Adaptive Traffic Control Systems
- Alternative Fuel Vehicles & Infrastructure
- Bicycle, Pedestrian, & Shared Micromobility
- Carpooling and Vanpooling
- Congestion Reduction & Traffic Flow Improvements
- Construction & Intermodal Equipment
- Diesel Idle Reduction Strategies
- Diesel Truck and Engine Retrofit & Replacement
- Dust Mitigation
- Electronic Open-Road Tolling
- Freight Modal Shift
- Locomotive & Marine Engine Retrofit and Replacement Tool
- Managed Lanes
- Telework
- Transit Bus Upgrades & System Improvements
- Transit Bus Service & Fleet Expansion
- Travel Advisories

Requested Action

- For discussion only

Staff Contact

Ariane Martins

Senior Planner, Programming Team

Ariane.Martins@h-gac.com

346-398-6183

Madeline Statkewicz, PhD

Senior Planner, Air Quality Program

Madeline.Statkewicz@h-gac.com

(713) 993-2403

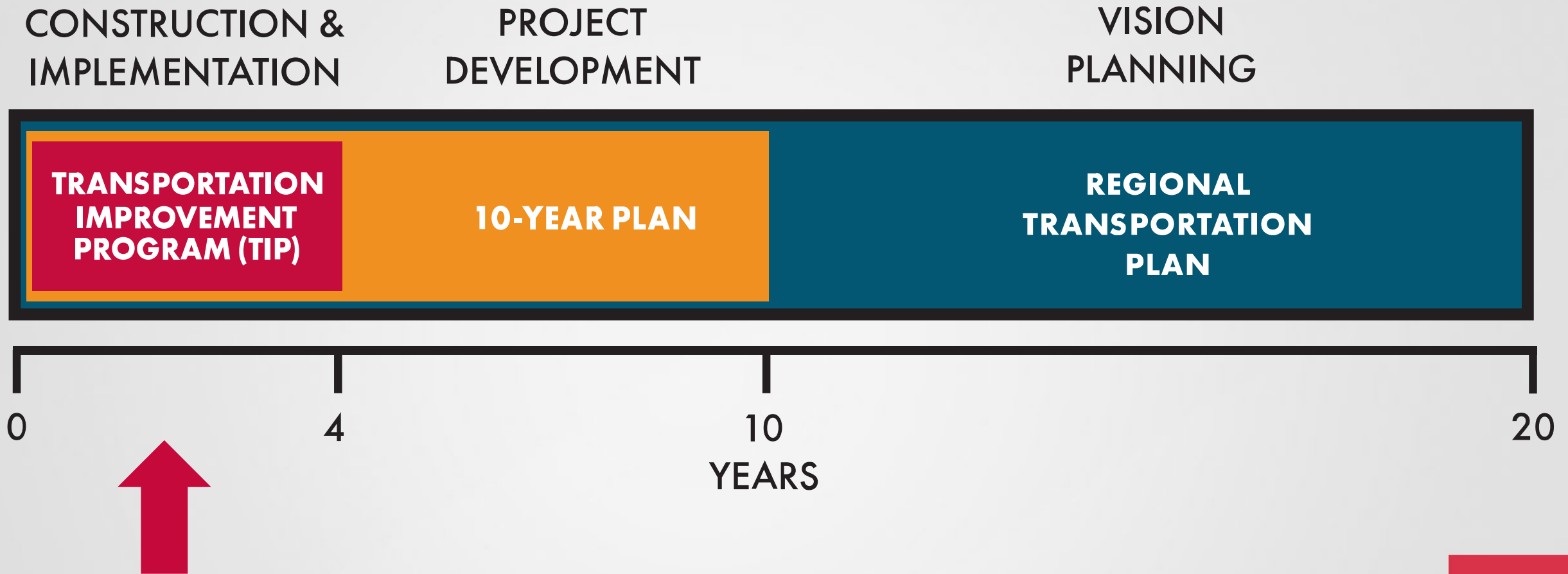


Item 13. Future Amendments to 2027-2030 TIP and 2045 RTP



Transportation Policy Council
August 28, 2026

We Are Here



Future 2027-2030 TIP Amendments

Program in 2027-2030 TIP				
Sponsor	Description	Fiscal Year	MPOIDs	Funding (\$M)
City of Sugar Land	Engineering and Construction of US 90 A Railroad monitoring system	2027, 2028	19014, 19017	\$1.7
TxDOT BMT	Construction of SH 99 from 2 to 4 Lane Widening	2027, 2028	19395, 19402, 19403, 19404	\$522.7
Brazoria County	Engineering and Right-of-Way acquisition for Pearland Parkway extension	2027, 2028	19613, 19614	\$8.5
Montgomery County	Right-of-Way and Engineering Review for Old Conroe Road widening and add new construction segment	2027 2029	19580, 19600	\$135.0
	Right-of-Way for IH 45 N Auxiliary Lane and Braided ramps project	2027	19611	\$15.0
TxDOT HOU	Construction of SH 99 Frontage Road	2027	19615	\$46.0
	Group FM 1464 LED Safety lighting project in statewide program	2027	19599	\$2.7

Future 2027-2030 TIP Amendments

Update scope in 2027-2030 TIP

Sponsor	MPOIDs	Description	Fiscal Year	Funding (\$M)
METRO	19081, 19104, 19113, 19612	Safety & security from operating to capital. Program surplus funds for transit center roof replacements.	2027	\$2.0, \$25.0, \$17.3, \$16.1
City of Galveston	19210	Update Stewart Road rehabilitation scope of work	2027	\$6.5
Island Transit	19546	Rescope FTA Section 5337 software acquisition to meet new FTA procurement requirements	2027	\$0.3

Future 2027-2030 TIP Amendments

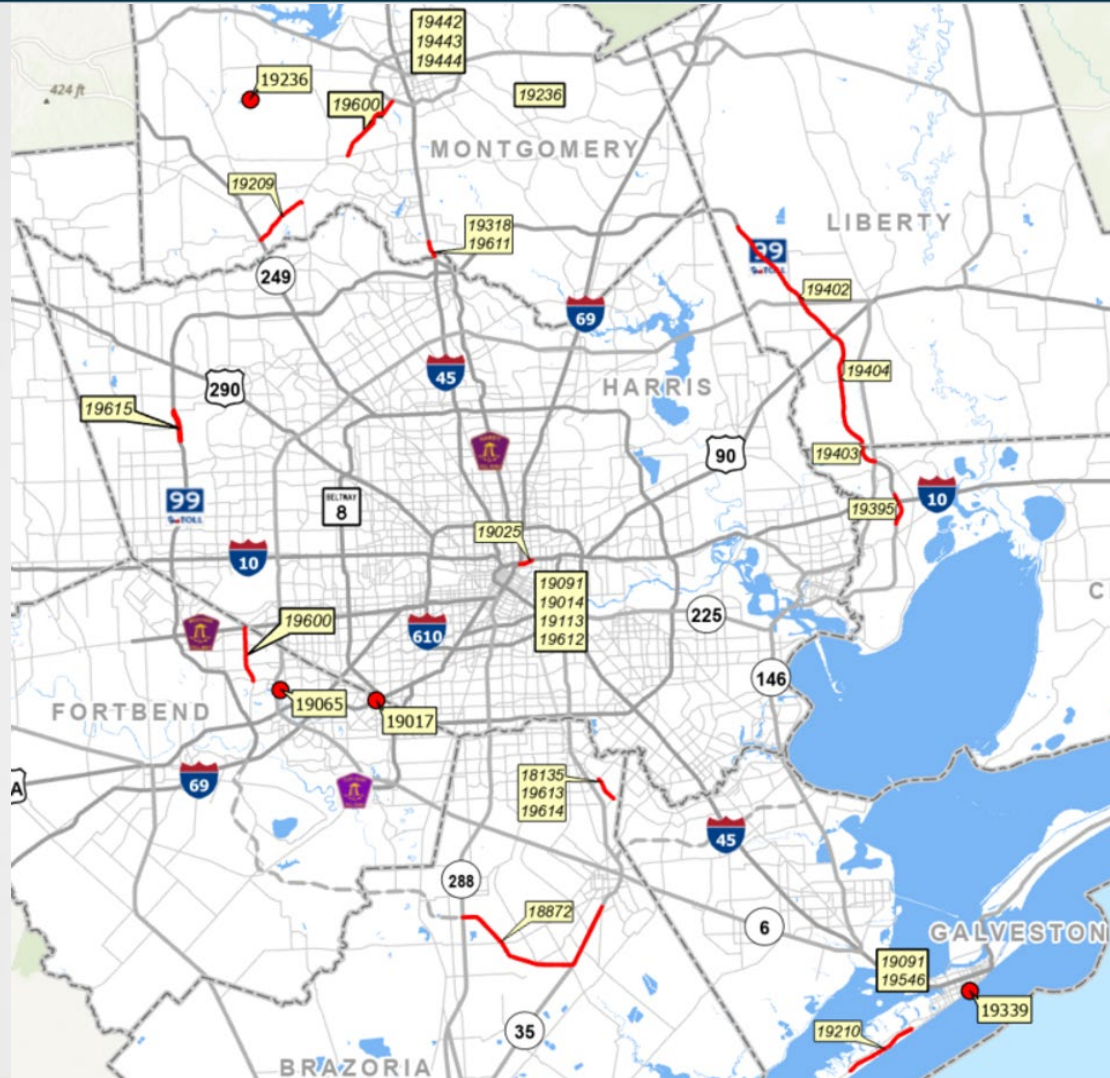
Update Costs in 2027-2030 TIP

Sponsor	MPOIDs	Description	Fiscal Year	Funding (\$M)
City of Conroe	19442, 19444	Update FTA Section 5307 capital and operating costs to actual allocations	2027	\$0.1, \$0.3
City of Sugar Land	19065	Add \$1.9M of STBG at 50/50 Federal/Local to cover cost overrun on Gannoway Lake Trail Improvements	2027	\$5.7
Montgomery County	19236	Add \$3.5M of CMAQ with matching TDCs to Traffic Monitoring System project due to new industry standards	2026	\$14.5

Future 2027-2030 TIP Amendments

Delays and Cancellations in 2027-2030 TIP				
Sponsor	MPOIDs	Description	Fiscal Year	Funding (\$M)
Brazoria County	18872	Delay SH 99 Seg. B construction from 2027 due to change in priorities	2035	\$604.0
TxDOT HOU	19025	Delay IH 10 (NHHIP Seg. 3C-1) reconstruction from 2028 to align with drainage project in the same corridor	2032	\$226.0
TxDOT HOU	18896 & 19101	Cancel truck parking lot construction projects dues to change in priorities	2026	\$1.6, \$3.4
City of Conroe	19443	Cancel FTA Section 5307 operating project and move funding to MPOID 19444	2027	\$0.1
Island Transit	19091	Cancel proposed trolley facility due to not being selected	2027	\$0.1
City of Galveston	19339	Cancel traffic signalization project because of Galveston's decision to use local funds	2027	\$0.6
Montgomery County	19209	Cancel Hardin Store Road rehabilitation project due to change in priorities	2026	\$9.5

Future 2027-2030 TIP Amendments



Action Requested

- Review and discussion only

Staff Contact



Jim Dickinson
Senior Planner

Jim.Dickinson@h-gac.com

713-993-4597



Item 14. Call for Subregional Planning Requests



Transportation Policy Council
August 28, 2026

Call for Subregional Planning Requests

■ Background

- Subregional Planning: beginning of the pipeline for potentially including projects that have been through a formal public participation process in the Regional Transportation Plan (RTP) and eventually the Transportation Improvement Program (TIP).
- TPC approved criteria in April 2026 outlining sponsor eligibility, evaluation criteria, and eligible planning activities.
- Originally planned for Summer 2026, postponed to September 2026 so sponsors could focus on the RTP 2050 Call for Projects.



Call for Subregional Planning Requests

- Evaluation Criteria

CRITERIA	DESCRIPTION
Recency of Studies	Preference for areas without prior studies, or that have not had a plan update within last 5 years
High Growth Areas	Areas experiencing rapid development and need transportation solutions
Regionally Significant Roads	Major roadways and freight corridors within study area
Congestion Levels	Corridor on the Congestion Management Plan network or Top 100 Congested Roads identified in Texas A&M Transportation Institute (TTI) Urban Mobility Report
Funding Allocation	Local, state, or federal funding for other phases

Call for Subregional Planning Requests

- Plan/Study Types

TYPE	DESCRIPTION
Mobility Plan	Single or multiple modes, vision, goals, performance measures, project, program, and policy recommendations (list of projects)
Thoroughfare Plan	Specific recommendations related to right-of-way, connectivity, typical cross sections, and street classifications (not a list of projects)
Corridor Study/Plan	Single or multiple modes, alignment/cross section alternatives/multiple scenarios, access management
Feasibility Study	Single or multiple modes, analyzes alternatives/multiple scenarios to determine the feasibility of a project or program
Other	Anything else that may not fit into any of the above categories (ex. intersection study or other specific transportation topics)

Call for Subregional Planning Requests

- Submission via online portal located on H-GAC's website
<https://www.h-gac.com/subregional-planning>



Subregional Planning

Call for Subregional Planning Requests

The Houston-Galveston Area Council (H-GAC) is calling for proposals from local governments and other eligible sponsors to conduct subregional plans and studies for the 2028 - 2029 United Planning Work Program (October 2027 start). These plans and studies aim to help shape the future of local communities by improving connectivity, promoting sustainable development, and expanding multimodal transportation options in Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller counties. Project recommendations may be included in local Capital Improvement Programs, the Regional Transportation Plan (RTP), and the Transportation Improvement Program (TIP) for future funding. Submissions will be evaluated and prioritized based on the criteria outlined in the Criteria for Subregional Planning Requests (PDF).

2026 Call for Subregional Planning Requests

PHASE 1 SUBMISSION
SEPTEMBER 1 - OCTOBER 19

PHASE 2 REVIEW
OCTOBER 20 - DECEMBER 31

Timeline:

1. Online Submissions Period Opens (September 1)
2. Virtual Information Session (September 15, 1:00 PM - 2:00 PM)
3. Online Submissions Period Closes (October 19)
4. Evaluate Submissions (October 20 - November 30)
5. Social Partner Meetings at Request (October 20 - November 30)
6. Public Draft Presentation (November 31)

A virtual information session will be held on Tuesday, September 22, 2026, from 1:00 pm - 3:00 pm.

Questions?

If you have any questions, please contact Monique Johnson, Subregional Planning Manager at Monique.Johnson@h-gac.com.

Application Portal Coming Soon

Contact Information

Would you like to contact us about this topic? Please contact:

Monique Johnson
Subregional Planning Manager
Monique.Johnson@h-gac.com
832-681-2606

Subregional Planning Area Map

View the Interactive Map

Subregional Planning Recommendations

View the Interactive Map

Call for Subregional Planning Requests Registration

Applicant Information

All fields are required unless specified otherwise.

First Name

Last Name

Title

Email Address

Phone Number

Organization

Department

Organization City

Organization County

Contact Information

For assistance with the Call for Subregional Planning Requests Application, please contact:

Qun Zhao
Qun.Zhao@h-gac.com
832-681-2580

Monique Johnson
Monique.Johnson@h-gac.com
832-681-2606

Create Your Application Password

Password Requirements

- At least 8 characters
- Must contain at least 1 letter
- Must contain at least 1 number
- Passwords are case sensitive

Password

Please confirm your password.

☐ I'm not a robot

Submit Your Registration

Project Information

All fields are required unless specified otherwise.

Study Type

Study Area

Study Area Map

File uploads may not exceed 30MB.

Remove File **Upload File**

Please briefly explain why you are requesting this study.

Desired Outcome

Desired Study Completion Date

Do you have implementation authority?

Evaluation Criteria

All fields are required unless specified otherwise.

1. Have any other plans or studies within the study area been completed in the last five years? (sponsored by H-GAC, a local agency, etc.)

2. Is there a need to update an existing plan, or develop a new plan?

3. Is the area experiencing, has had, or projected to experience high growth?

4. Are there Regionally Significant Roadways within the study area?

Please refer to the Regional Significant Transportation Facilities Map

5. Are there Regional Critical Urban Freight Corridors within the study area?

Please refer to the Houston-Galveston Area Critical Regional Freight Corridors Document.

6. Does the study area include a corridor identified on the Congestion Management Plan network or one of the Top 100 Congested Road Segments identified in Texas A&M Transportation Institute (TTI) Urban Mobility Report?

7. Is there funding allocated towards the plan/study or other phases of the project? This could be local, state, or federal funds.

Save **Submit Application**

Return to Application Portal

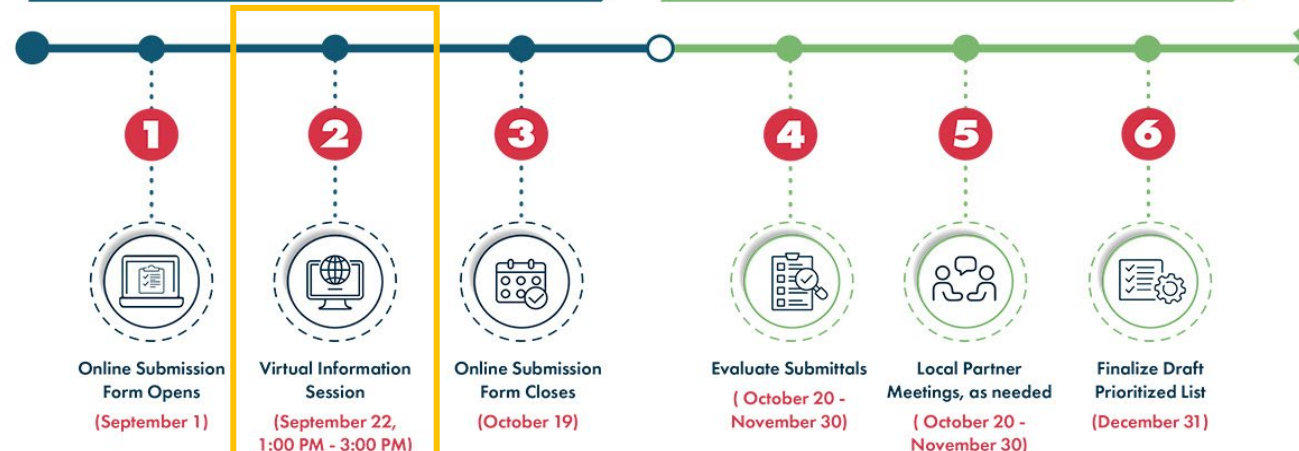
Call for Subregional Planning Requests

- Notification via TPC, TAC, Subcommittees, and social media

2026 Call for Subregional Planning Requests

**PHASE 1
SUBMISSION**
SEPTEMBER 1 - OCTOBER 19

**PHASE 2
REVIEW**
OCTOBER 20 - DECEMBER 31



Staff Contact



Monique Johnson, AICP
Subregional Planning Manager
Monique.Johnson@h-gac.com
832-681-2606



FIFA WORLD CUP 2026 Scenario Planning and Modeling



Transportation Policy Council Meeting
August 28th, 2026

H-GAC Scenario Planning Study

- 
- ❖ Support the **H-GAC MPO region** in successfully hosting FIFA World Cup 2026.
 - ❖ Develop data-driven traffic scenarios and traffic models for event and background traffic.
 - ❖ Provide insights and solutions to support agency planning and stakeholder coordination (with TranStar).
 - ❖ Deliver a comprehensive post-event summary with key findings, lessons learned, and recommendations.
 - ❖ Create a tool/data management plan and guidance report to support future large-scale event planning



Data
Collection



Define
Scenarios



Model
Scenarios



Share
Recommendations

Houston Event By The Numbers



7

Matches. Five group stage and two knockout stage.

4.5 million

Passengers through IAH and HOU
(June 12 to July 6)

1.2 million

Total ridership (June 14 – July 4)



480,186

Total match attendance at Houston
Stadium (68,598 per match)

1,086,499

Total participations attended FIFA
WC 2026 events

524,000

Estimated additional ridership
due to FIFA



551,313

Fan Festival attendance

81%

Outside
Houston region

44%

International

100,466

Total Red Line boardings at NRG
Stadium for 7 match days

Sources: FIFA World Cup 2026 Houston Host Committee, Houston METRO and Houston Airport System (HAS)

Stakeholder Engagement – The Core



- ❖ Houston Host Committee
- ❖ Houston Airport System (HAS)
- ❖ Houston METRO
- ❖ Houston TranStar
- ❖ NRG Stadium
- ❖ TxDOT Houston District
- ❖ City of Houston
- ❖ Houston Police Department
- ❖ Harris County Sheriff's Office
- ❖ Harris County
- ❖ Fort Bend County
- ❖ Brazoria county
- ❖ Montgomery County
- ❖ The Woodlands Township
- ❖ City of Conroe
- ❖ Harris County Toll Road Authority
- ❖ City of Sugar Land
- ❖ Greater Houston Partnership
- ❖ Downtown Houston Management District
- ❖ East End District
- ❖ Uptown Houston District
- ❖ H-GAC
- ❖ Port of Houston
- ❖ Texas Medical Center
- ❖ Pearland Emergency Management
- ❖ City of Lake Jackson
- ❖ Texas Trucking Association
- ❖ Private Sector (Uber and Lyft)

Plan to Implement



H-GAC Commute Solutions and Tow & Go



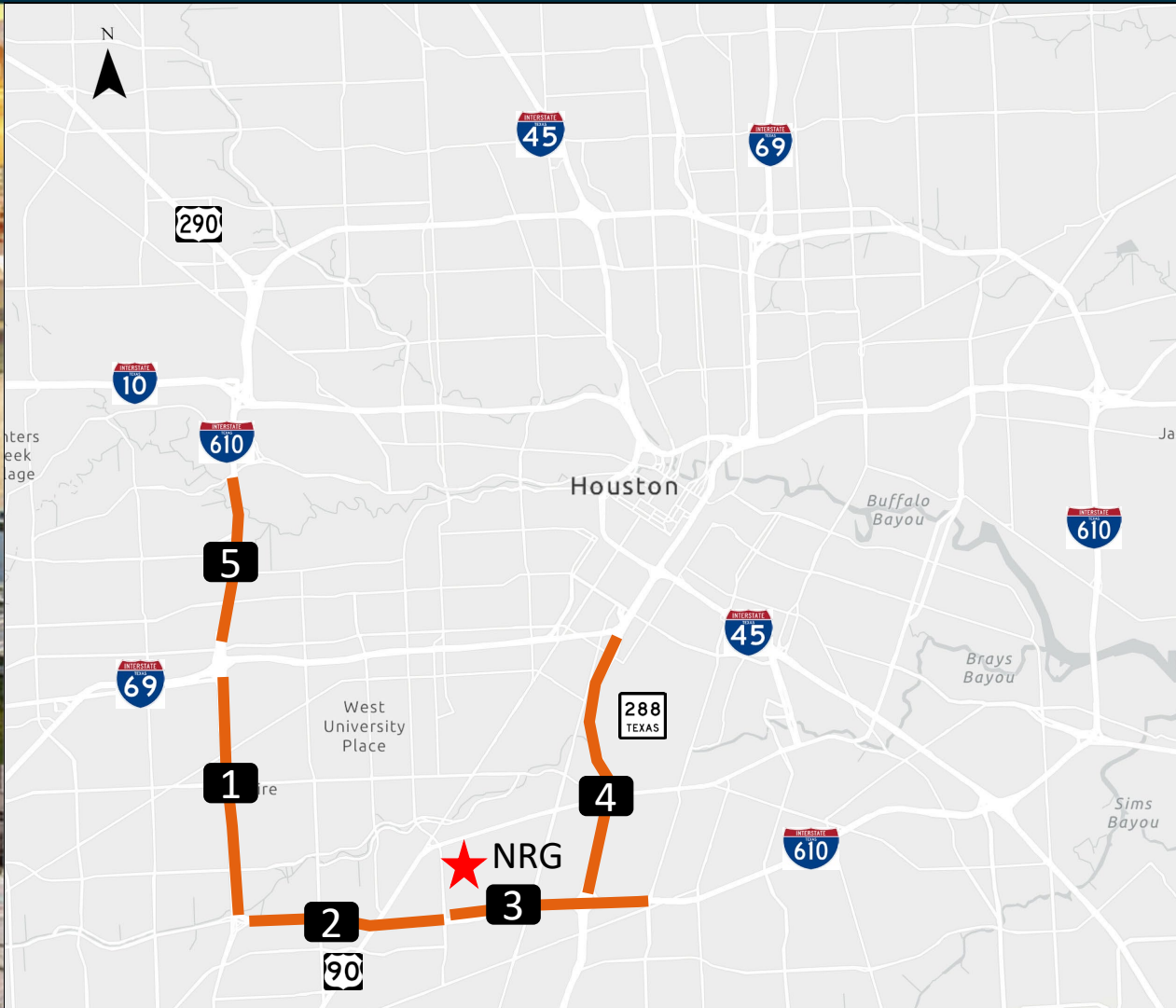
H-GAC Commute Solutions:

CommuteGamePlan.com **Travel Demand Management toolbox** to help spectators, workers, and businesses know high-traffic days in advance and plan flexible routes/schedules ahead of games.



Tow & Go Program – H-GAC: Strategically positioned additional tow trucks near congestion hotspots (During Houston's second FIFA match, program completed **444 vehicle tows** and responded to **125 roadside incidents** involving mechanical failures and flat tires.)

Example - Freeway Operations Strategy



Key Freeways:

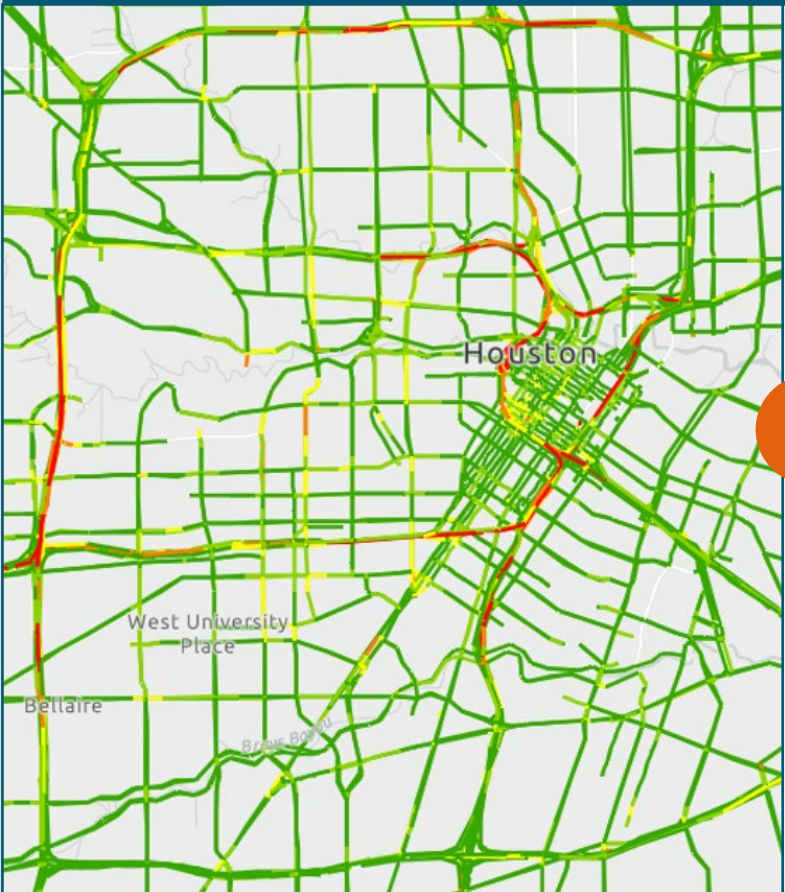
1. I-610 West Loop (I-69 to S Post Oak Rd)
2. I-610 South Loop (S Post Oak Rd to Kirby Dr)
3. I-610 South Loop (Kirby Dr to Scott St)
4. SH 288 (I-610 South Loop to I-69)
5. I-610 West Loop (I-69 to Woodway Dr)

Operations Enabler – TranStar Freeway and Emergency Management

- ✓ Targeted Staging
- ✓ Incident Management
- ✓ ICM Lite - Frontage & Arterials
- ✓ Focused Bottlenecks and Slowdowns

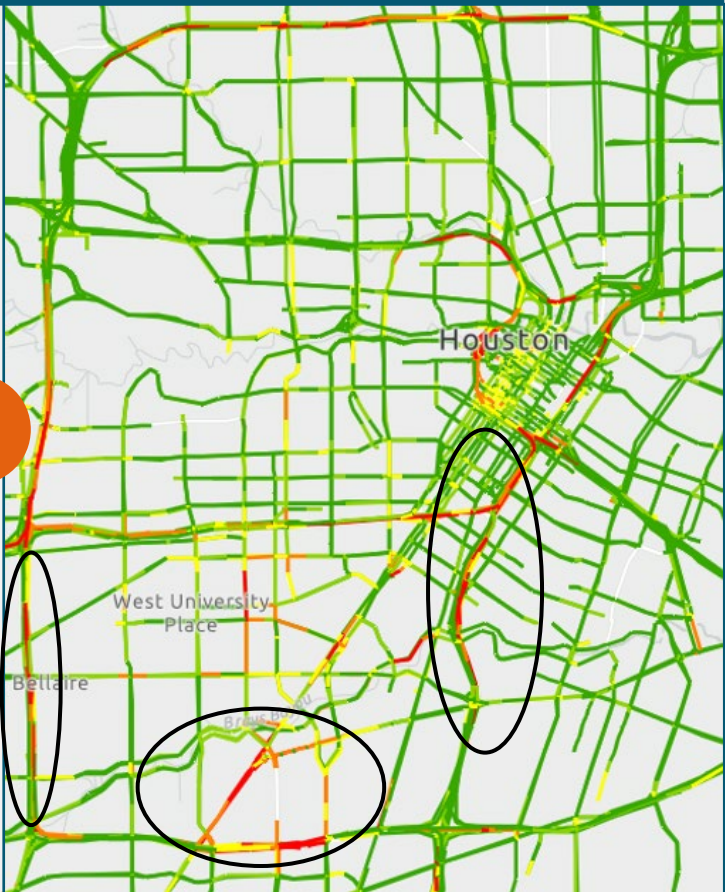
Model Vs. Reality

Observed – INRIX Data – 2:00 – 3:00 PM



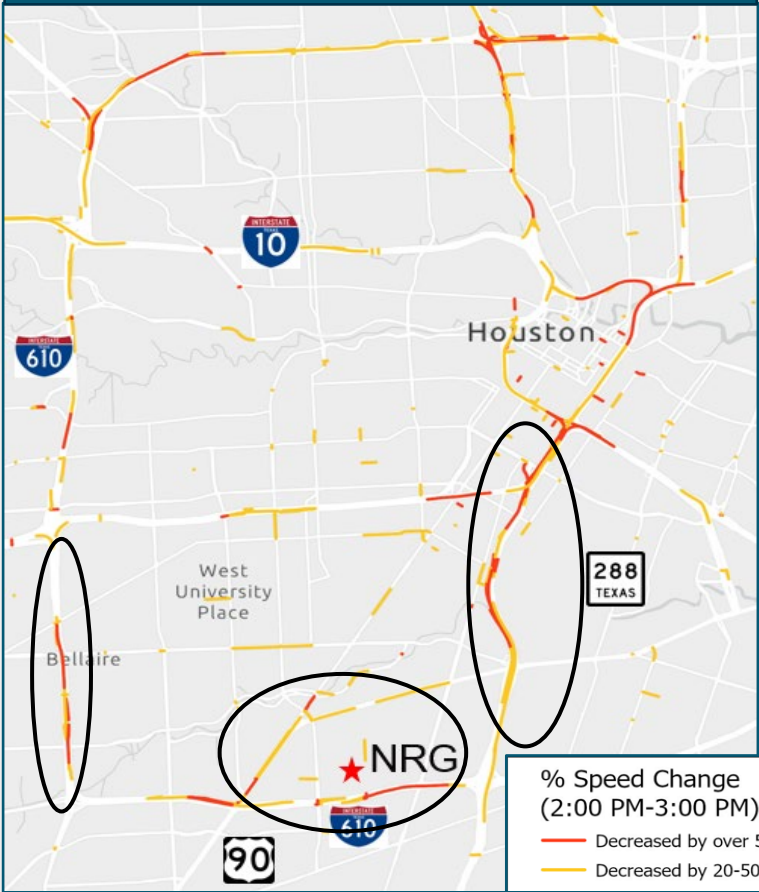
Typical 2025 Summer Weekday

VS



FIFA Game Day — Tuesday, June 23, 2026
Portugal vs. Uzbekistan | Noon Game

Modeled



% Speed Change
(2:00 PM-3:00 PM)
— Decreased by over 50%
— Decreased by 20-50 %

Digital Tool (SPEED)





[Overview](#)[Prior Events Analysis](#)[Demand Inputs](#)[Supply Inputs](#)[Model Scenarios](#)[Game Plan](#)[Post Event Analysis](#)



Scenario Planning and Event Evaluation Dashboard

SPEED

A comprehensive tool for analyzing transportation patterns, modeling demand scenarios, and evaluating mobility impacts for special events in H-GAC region.



Prior Events Analysis

Analyze historical data from previous events in Houston region including NFL games, college football playoffs and concerts. View arrival/departure profiles, origin-destination flows, parking and transit ridership patterns.

[Historical Data](#)[Trip Analysis](#)[Flow Patterns](#)



Demand Inputs

Create and model transportation demand inputs for upcoming events. Configure arrival/departure profiles, mode shares, and event parameters for planning purposes.

[Scenario Planning](#)[Mode Share](#)[Custom Profiles](#)



Supply Inputs

Transportation Management Plan supply inputs with traffic flow analysis, route performance evaluation, and congestion impact assessment.

[Traffic Management](#)[Road Closure](#)[Parking](#)



Model Scenarios

Performance measures from modeled scenarios including traffic analysis, flow pattern, travel time, delay, potential bottlenecks.

[Scenario Planning](#)[Model Scenarios](#)[Travel Time](#)[Bottlenecks](#)[Incident Diversion](#)

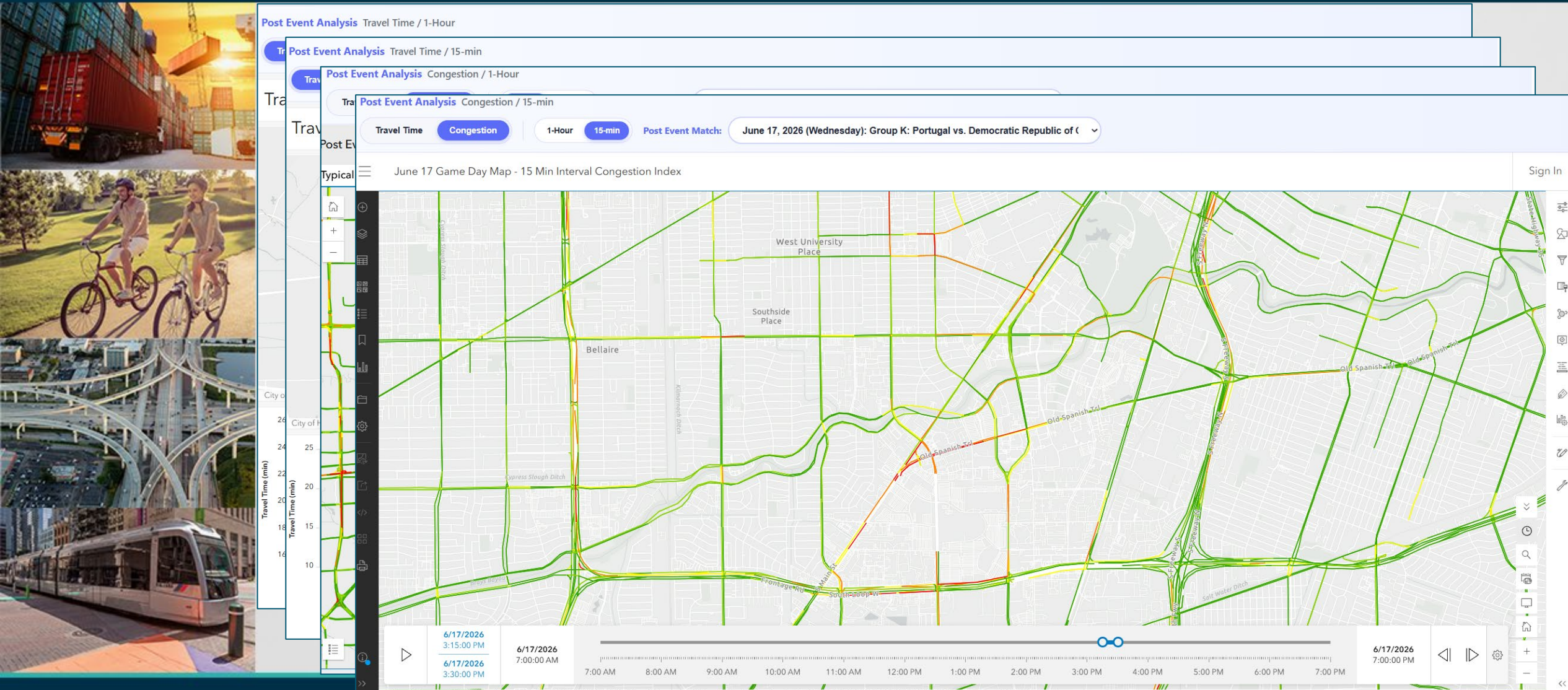


Game Plan

Key strategies, recommendations and action plan for safe, reliable and efficient transportation throughout event.

[Strategy](#)[Recommendations](#)[Action Plan](#)

Post-Event Dashboard



Best Practices



**Scenario-based
planning and
modeling**



**Build confidence
through validation**



**Maintain strong
interagency
coordination**



**Common data and
visualization
platform**



**Active arterial and
freeway
management**



**Performance
measures driven post-
event evaluation**



**Document lessons
learned**

Continuous Improvement Mindset



**Evolving
event
information**

**Shared data
framework
across
agencies**

**Inter-agency
coordination**

**Timely
Funding**

**SPEED tool -
A reusable
framework**

**Build
Repository
of plans and
leverage big-
data**

Questions / Comments



Koushik Arunachalam, PE
Project Manager
Arcadis US Inc.
Koushik.Arunachalam@arcadis.com

Michael Onuogu
Project Manager
H-GAC
michael.onuogu@h-gac.com

Heng Wang
Project Advisor
H-GAC
Heng.wang@h-gac.com