

7. AMENDMENT TO THE 2024 UNIFIED PLANNING WORK PROGRAM

**BACKGROUND**

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The 2024 Unified Planning Work Program (UPWP) describes the regional transportation plans and programs and the transportation-related air quality planning activities that will be undertaken during fiscal year 2024. The current 2024 UPWP was adopted by the Transportation Policy Council (TPC) on September 8, 2023.

**CURRENT SITUATION**

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This amendment to the Unified Planning Work Program makes two changes in response to a recent review of the MPO's performance:

First, the planned procurement of the Project Selection Process and Programming Database to improve accuracy of the Transportation Improvement Program project listings is added to Table 6-7 "Anticipated Software and Equipment Purchases/Leases." The total cost is listed at \$650,000 for a three-year Software-as-a-Service license that will include vendor support for the transition to the new platform. This item was previously listed only as a consultant/service activity. Because the activity was previously included in the 2024 UPWP and costs for future years will be included in the 2025 UPWP, there is no financial impact from this change.

Second, to improve accuracy and consistency of Transportation Improvement Program (TIP) project listings before they are uploaded to the State Transportation Improvement Program (STIP), the following new objective and expected product are added under Subtask 3.1.a – Transportation Improvement Program:

New Objective: (Under Subtask 3.1.a):

"D. Increase accuracy and consistency of TIP project entries and amendments, and related submittals of project information to the State Transportation Improvement Program. (Consultant may be utilized.)"

New Expected Product (Under Subtask 3.1.a)

"C. Completed review checklist prior to all submittals of TIP project information and amendments into the State Transportation Improvement Program."

This consultant activity is being added to facilitate a rapid procurement. There is no financial impact because expenses will not be incurred until the 2025 UPWP period of performance.

**ACTION REQUESTED**

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Transportation Advisory Committee recommendation for Transportation Policy Council Approval of Resolution UPWP 2024-01.



# Resolution

No. UPWP 2024-01

ADOPTING AMENDMENTS TO THE 2024 UNIFIED PLANNING WORK PROGRAM FOR THE HOUSTON-GALVESTON METROPOLITAN PLANNING AREA.

WHEREAS, the Transportation Policy Council adopted the 2024 Unified Planning Work Program (UPWP) on September 8, 2023; and

WHEREAS, this amendment makes the following changes to the 2024 Unified Planning Work Program;

1. Adds the previously-listed "Project Selection and Programming Database" to Table 6-7 as an expected software purchase; and
2. Adds the following new objective and expected product under Subtask 3.1.a Transportation Improvement Program:

*New Objective (Under Subtask 3.1.a):*

"D. Increase accuracy and consistency of TIP project entries and amendments, and related submittals of project information to the State Transportation Improvement Program. (Consultant may be utilized.)"

*New Expected Product (Under Subtask 3.1.a):*

"C. Completed review checklist prior to all submittals of TIP project information and amendments into the State Transportation Improvement Program."

NOW, THEREFORE, BE IT RESOLVED BY THE TRANSPORTATION POLICY COUNCIL, THAT REVISIONS TO THE 2024 UNIFIED PLANNING WORK PROGRAM, AS SHOWN IN THE AGENDA ITEM, ARE HEREBY APPROVED AND INCORPORATED INTO THE 2024 UNIFIED PLANNING WORK PROGRAM.

PASSED AND APPROVED, this 23<sup>rd</sup> day of August 2024, at a regularly called meeting of the Transportation Policy Council for the Houston-Galveston Metropolitan Planning Area.

APPROVED:

ATTEST:

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Justin Beckendorff, Chairman  
Transportation Policy Council

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Nancy Arnold, Secretary  
Transportation Policy Council



**FISCAL YEAR 2024  
UNIFIED PLANNING WORK PROGRAM (UPWP)**

**HOUSTON-GALVESTON TRANSPORTATION  
MANAGEMENT AREA**

APPROVED BY THE TRANSPORTATION POLICY COUNCIL ON:  
**September 8, 2023**

*Amended by the Transportation Policy Council:*  
**UPWP 2024-01 (23 August 2024)**

### **Subtask 3.1: Transportation Project Programming**

As the MPO, H-GAC is responsible for the coordination and programming of federal and state transportation funds allocated to the region with the state, providers of public transportation and local governments. In addition, H-GAC plans and programs include all regionally significant transportation investments, regardless of funding source. All tasks will be funded by Transportation Planning Funds (TPF) unless it is noted otherwise.

#### **Subtask 3.1.a – Transportation Improvement Program**

The Transportation Improvement Program (TIP) is a cooperatively developed, four-year program outlining transit, highway, and traffic improvements, as well as other transportation- and air quality-related activities within the MPO planning area. The purpose of the TIP is to inform the public regarding the commitment of funds to implement transportation improvement projects, including those selected by the TPC. The TIP must be consistent with the Regional Transportation Plan, conform to adopted vehicle emissions reduction targets, and be financially constrained within reasonable estimates of federal, state, and local revenues for the four-year time frame.

Staff Contact: Adam Beckom

*All activities will be funded by Transportation Planning Funds (TPF) unless noted otherwise.*

#### **Objectives:**

- A. Develop and maintain the Transportation Improvement program.
- B. **Analyze proposed amendments to the current TIP** for transportation air quality conformity implications, financial impact, and administrative impacts to ensure consistency of the TIP with federal and state requirements and minimal risk to regional funding allocations.
- C. Develop and maintain a 10-year program of transportation projects.
- D. Increase accuracy and consistency of TIP project entries and amendments, and related submittals of project information to the State Transportation Improvement Program. (Consultant may be utilized.)

#### **Expected Products:**

- A. Develop the 2025-2028 Transportation Improvement Program for the Houston-Galveston metropolitan planning area that is consistent with the regional transportation plan.
- B. Timely amendments to the 2023-2026 TIP presented to the TAC and TPC and submitted to the STIP as needed.
- C. Completed review checklist prior to all submittals of TIP project information and amendments into the State Transportation Improvement Program.

Task III Funding Table

**Task III: SHORT-RANGE PLANNING - FUNDING SUMMARY**

Subtask	Activity	Responsible Agency	Transportation Planning Funds (TPF) <sup>1</sup>	Other Federal Funds <sup>2</sup>	FTA Section 5307 Funds	Local <sup>3</sup>	TOTAL FUNDS
			FY 2024	FY 2024	FY 2024	FY 2024	
3.1	Transportation Project Programming	H-GAC	\$650,000	\$300,000	\$0	\$0	\$950,000
3.2	Planning Support for Transit Service Implementation	H-GAC	\$296,000	\$0	\$250,000	\$0	\$546,000
3.3	Air Quality Planning	H-GAC	\$1,160,000	\$0	\$0	\$0	\$1,160,000
3.4	Evacuation Planning	H-GAC	\$75,000	\$0	\$0	\$0	\$75,000
	<b>TOTAL</b>		<b>\$2,181,000</b>	<b>\$300,000</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$2,731,000</b>

Note 1: TPF includes both FHWA PL-112 and FTA Section 5303 Funds. TxDOT will apply transportation development credits sufficient to provide the match for TPF. As the credits reflect neither cash nor work hours, they are not reflected in the funding tables.

Note 2: "Other Federal Funds" may include Surface Transportation Block Grant (default), Congestion Mitigation and Air Quality ("C"), or Discretionary Grant Funds ("G")

Note 3: "Local" funds include any local contributions, but also may include non-transportation Federal funds provided to H-GAC or partner agencies.

Task Three Activities or Projects with Consultant Spending

TASK / Sub-Task	ACTIVITY OR PROJECT NAME	LISTING TYPE	ACTIVITY TYPE	STATUS (as of UPWP adoption)	FUNDING
3 / 3.1.a	Consultant for STIP Submittals review	New	Consultant	Initiate in FY2024	TPF
3 / 3.1.b	Call for Projects (Active Transportation-specific support)	Carryover	Consultant	Initiate in FY2024	TPF
3 / 3.1.b	Call for Projects Review Consultant	Carryover	Consultant	Initiate in FY2024	TPF
3 / 3.1.c	Project Selection Process and Programming Database	Carryover	Consultant/Service/Software	In Development	TPF
3 / 3.2.a	Transit Information Study (Coordinated Plan)	Carryover	Consultant or Staff	In Development	Other - FTA
3 / 3.2.b	Regional Fare Plan (METRO)	Carryover	Partner Activity	Currently Underway	TPF
3 / 3.3.a	Air Quality (Health Impacts of Air Quality)	Carryover	Consultant or Staff	Initiate in FY2024	TPF
3 / 3.3.c	GHG inventory and Related Planning (Multiple)	Carryover/New	Consultant or Staff	In Development	TPF

Task Three Activities or Projects with Pass-Thru Spending

TASK / Sub-Task	ACTIVITY OR PROJECT NAME	LISTING TYPE	ACTIVITY TYPE	STATUS (as of UPWP adoption)	FUNDING
3 / 3.2.b	Regional Fare Plan (METRO)	Carryover	Partner Activity	Currently Underway	TPF
3 / 3.4.a	Hurricane Zip Zone Campaign	Ongoing	Pass-Thru	Annual Activity	TPF

**Table 6-5: Activities or Projects with Consultant Spending (All Tasks)**

TASK / Sub-Task	ACTIVITY OR PROJECT NAME	LISTING TYPE	ACTIVITY TYPE	STATUS (as of UPWP adoption)	FUNDING
1 / 1.1.a	Planning Support Services	New	Consultant	In Development	TPF
1 / 1.1.c	Legislative and Regulation Tracking Services	New	Consultant/Service	Initiate in FY2024	TPF
1 / 1.2.b	Translation Services (Multiple)	Ongoing	Consultant/Service	Ongoing; contracts may be updated	TPF
2 / 2.2.a	Regional Travel Surveys	Carryover	Consultant	Currently Underway	Other - FHWA
2 / 2.1.a	Travel Demand Model updates, validation, and calibration	Carryover	Consultant/Service	Ongoing; contracts may be updated	Other - FHWA
2 / 2.1.a	Activity-Based Model enhancement support	New	Consultant	Initiate in FY2024	Other - FHWA
2 / 2.1.a	On-Call modeling support (Multiple)	Carryover	Consultant	Ongoing; contracts may be updated	TPF
3 / 3.1.a	Consultant for STIP Submittals review	New	Consultant	Initiate in FY2024	TPF
3 / 3.1.b	Call for Projects (Active Transportation-specific support)	Carryover	Consultant	Initiate in FY2024	TPF
3 / 3.1.b	Call for Projects Review Consultant	Carryover	Consultant	Initiate in FY2024	TPF
3 / 3.1.c	Project Selection Process and Programming Database	Carryover	Consultant/Service/Software	In Development	TPF
3 / 3.2.a	Transit Information Study (Coordinated Plan)	Carryover	Consultant or Staff	In Development	Other - FTA
3 / 3.2.b	Regional Fare Plan (METRO)	Carryover	Partner Activity	Currently Underway	TPF
3 / 3.3.a	Air Quality (Health Impacts of Air Quality)	Carryover	Consultant or Staff	Initiate in FY2024	TPF
3 / 3.3.c	GHG inventory and Related Planning (Multiple)	Carryover/New	Consultant or Staff	In Development	TPF
4 / 4.1.c	RTP Regional Transportation Vision Survey	Carryover	Consultant	In Development	TPF
4 / 4.2.a	Chambers County - Thoroughfare Plan	Carryover	Consultant	Currently Underway	Other - FHWA
4 / 4.2.b	REGIONAL GOODS MOVEMENT PLAN UPDATE	Carryover	Consultant	Currently Underway	Other - FHWA
4 / 4.2.c	North Houston Community Transportation Priorities Plan	Carryover	Consultant	In Development	Other - FHWA
4 / 4.2.c	TIRZ 13 - First Ward/Old Sixth Ward Mobility Plan	Carryover	Consultant	In Procurement	Other - FHWA
4 / 4.2.c	City of Pearland – Mobility Study	Carryover	Consultant	In Procurement	Other - FHWA
4 / 4.4.a	High Capacity Transit Feasibility Study (Outer West Park)	Carryover	Consultant	In Development	Other - FHWA
4 / 4.4.a	High Capacity Transit Feasibility Study (Regional Bus)	Carryover	Consultant	In Development	Other - FHWA
4 / 4.4.a	Gulf Coast Rail District - US90 Commuter Rail Study	Carryover	Consultant	In Procurement	Other - FTA
4 / 4.2.b	Pearland Transit Study	Carryover	Staff	Underway	TPF
4 / 4.4.b	City of Dayton - Transit System	Carryover	Consultant	In Procurement	Other - FHWA
4 / 4.5.a	Regional Active Transportation Plan	Carryover	Consultant	Initiate in FY2024	Other - FHWA

Table 6-7: Anticipated Software and Equipment Purchases/Leases

Subtask	Description	Quantity	Estimated Cost	Funding Source
1.1.a	Regular Computer Replacement Cycle	20	\$50,000	TPF
1.1.a	Other computer hardware items, replacements, accessories, and upgrades (e.g., docking stations, monitors, headsets, hard drives, networking, warranty extensions, etc.)	--	\$10,000	TPF
1.1.c	Legislation monitoring software (e.g., Telicon)	--	\$10,000	TPF
1.1	Statistical Analysis Software for management analysis (e.g. Stata)	1	\$3,000	TPF
1.1	Customer Relationship Manager Software licenses (new)	3	\$7,000	TPF
1.2	Video/web hosting services (e.g., Swagit, etc.)	--	\$26,000	TPF
1.2.a	Public engagement online platform (e.g., Bang the Table, etc.)	--	\$50,000	TPF
2.1.a	Economic model and tool for economic impact analyses (e.g., REMI, IMPLAN etc.)	1	\$36,800	TPF
2.1.a	Software platforms and tools for the travel demand model application, validation and calibration, enabling efficient and accurate transportation demand analysis and forecasting (Multiple platforms will be utilized: e.g., Bently Cube voyage, Cube Agent, TransCAD,EMME and PTV etc.)	--	\$60,000	TPF
2.1.a	Modeling platform for dynamic traffic assignment (e.g., DynusT/DynusStudio,AIMSUN, DYNASMART and POLARIS etc.)	2	\$3,000	TPF
2.1.a	Traffic signals and intersections analysis software(e.g., Synchro,VISTRO, SIDRA etc.)	2	\$1,500	TPF
2.2.a	Traffic count hosting platform (e.g., MS2, etc.)	1	\$10,210	TPF
2.2.a	Congestion Mitigation Analysis software (e.g., HCS2023,LOSPLAN etc.)	1	\$2,000	TPF
2.3.a	Software programming language for data access, analysis, modeling, transformation and reporting (e.g. SAS, AWS, Oracle etc)	6	\$9,000	TPF
2.3.c	Software/Tool for data visualization and reporting (e.g., Tableau, Snowflake, Power BI etc.)	7	\$5,880	TPF
3.1.c	Project Selection Process and Programming Database, 3-year license (e.g., TELUS, EcoInteractive, etc.)	--	\$650,000	TPF
3.3	Membership - ICLEI - Local Governments for Sustainability	--	\$9,000	TPF
4.4a; 4.4b	Microtransit Planning Software (ex. Remix- new)	1	\$150,000	TPF
4.5b	EcoVisio Subscription for Counters (Renewal)	10	\$5,000	TPF
5.2b	Bike Challenge Platform (new; providing access to platform for staff management and operation)	1	\$50,000	CMAQ
5.2b	TDM Program Management Software/Rideshare Software- Companion to ConnectSmart (new)	1	\$150,000	CMAQ
5.2b	Customer Relationship Manager Software license with add on (Renewal)	5	\$10,000	CMAQ