

Technology Project Identification (TPI) Framework Call For Projects Updates

Public Meeting
July 13, 2026



BACKGROUND

The **Technology and Innovation Program** advances regional deployment of emerging transportation technologies that enhance **safety, efficiency, and connectivity**.

To better align project selection with regional priorities and streamline implementation, staff developed a new **Technology Project Identification (TPI) Framework** that establishes a **criteria-based process** for agencies to submit, evaluate, and advance innovative transportation concepts as they arise.

This modernized process promotes collaboration and ensures that regional funding is directed toward projects with measurable benefits and readiness for implementation.



TECHNOLOGY PROJECT IDENTIFICATION (TPI) PROCESS

The purpose of TPI is to advance technology-driven transportation solutions across the region.

Phase 1. Call For Projects issued to Public Agencies:

Submission period Jan 9 - April 10.

Phase 2. Review & Evaluation:

Projects evaluated and scored based innovation, regional impact, and partnerships.

Phase 3. Regional Procurement (Next Step):

Recommended projects advance to procurement.



FUNDING AVAILABLE

Technology and Innovation

\$8,700,000 Surface Transportation Block Grant Program (STBG)

Funding Split:

69% Eastern Sub-Region = \$6,003,000

31% Western Sub-Region = \$2,697,000

Local Match – Transportation Development Credits



REVIEW & SCORING PROCESS

Criteria	Description	Score
Innovative approach to solve a transportation need	Innovative solution that supports listed emphasis areas, engages the community, improves job access, and drives economic growth	50%
Strong Case for Regional Investment	Clearly articulates why regional funds are needed, and how the project can be transferable across regions	40%
Public/Private sector partnership	Involves coordinating between public/private partner to enhance regional value	10%
	Total Score	100%

Staff completed:

1. Eligibility screening
2. Review for program alignment
3. Scoring of all submissions based on criteria



EMPHASIS AREAS

Roadway Safety Technologies

- Deploying advanced tools to improve road safety.

Next-Gen Traffic Signals

- Improving traffic flow and safety through smart signal systems.

Food Desert Elimination

- Supporting access to fresh food through innovative mobility solutions.

Delivery Bots & Drones

- Enhancing last-mile delivery with autonomous technologies.

Autonomous Shuttles

- Expanding mobility options with low-speed, AV services.



RECOMMENDED PROJECTS

	ID	City / Agency	Emphasis Area	Project Title	Total Score	Requested Funds	Cumulative Total
Eastern Subregion 69% TT = \$6,003,000	17	City of Frisco	Roadway Safety Technologies; Next-Generation Traffic Signals;	Next-Generation Regional Emergency Vehicle Preemption	78	\$1,900,000	\$1,900,000
	22	City of McKinney	Roadway Safety Technologies; Next-Generation Traffic Signals;	Next-Generation Regional Emergency Vehicle Preemption	78	\$1,200,000	\$3,100,000
	32	City of Allen	Roadway Safety Technologies; Next-Generation Traffic Signals;	Next-Generation Regional Emergency Vehicle Preemption	78	\$1,070,000	\$4,170,000
	20	City of DeSoto, Duncanville & Cedar Hill	Roadway Safety Technologies; Next-Generation Traffic Signals;	BEST SOUTHWEST CITIES Emergency Vehicle Preemption and Priority Project	75	\$1,964,400	\$6,134,400
	26	City of Denton	Roadway Safety Technologies; Next-Generation Traffic Signals;	VISION ZERO INTELLIGENT SAFETY CORRIDOR, Context-Aware Traffic Calming System Deployment on High Injury Network (HIN) Segments	74	\$800,000	\$6,934,400
	31	City of Garland	Roadway Safety Technologies;	Samsara Implementation	53	\$1,800,000	\$8,734,400
	21	City of Farmers Branch	Roadway Safety Technologies; Next-Generation Traffic Signals;	Smart Pedestrian Safety Enhancement Program – HAWK Signal Deployment	51	\$800,000	\$9,534,400
	8	City of Glenn Heights	Roadway Safety Technologies; Next-Generation Traffic Signals;	Bear Creek Road & Westmoreland Road Intersection Improvement	45	\$3,000,000	\$12,534,400
	25	City of Richardson	No Category	Traffic Signal Technology Upgrade	Ineligible	Ineligible	Ineligible



RECOMMENDED PROJECTS

Western Subregion 31% TT = \$2,697,000	ID	City / Agency	Emphasis Area	Project Title	Total Score	Requested Funds	Cumulative Total
	18	City of Arlington	Roadway Safety	Smart Rail Crossing Safety Infrastructure Expansion: Arlington TRAINFO Train Detection and Driver Notification System	70	\$980,000	\$980,000
	13	City of Arlington	Roadway Safety Technologies; Next-Generation Traffic Signals;	Smart Intersection Safety Analytics Deployment: Next-Generation Traffic Sensors for Arlington's High-Injury Network	65	\$950,000	\$1,930,000
	33	City of Fort Worth	Roadway Safety Technologies; Next-Generation Traffic Signals;	East Berry Street from I-35W to Miller Avenue Technological Advancements	64	\$2,129,000	\$4,059,000
	16	City of Southlake	Roadway Safety Technologies; Next-Generation Traffic Signals	Next Generation Smart Intersection Detection Upgrade (LiDar Deployment)	60	\$250,000	\$4,309,000
	28	City of Southlake	Roadway Safety Technologies;	Low-Water Crossing Flood Detection & Safety Improvements	57	\$1,830,000	\$6,139,000
	12	City of Arlington	No Category	Urban Air Mobility Safety Infrastructure Pilot: Hyperlocal Low-Altitude Atmospheric Monitoring in the Arlington Entertainment District	Ineligible	Ineligible	Ineligible



ADDITIONAL FUNDING REQUEST

	Available Funding	Recommended Funding	Additional Funding Request
Eastern Subregion	\$6,003,000	\$6,934,400	\$931,400
Western Subregion	\$2,697,000	\$4,309,000	\$1,612,000
Total Funding	\$8,700,000	\$11,243,400	\$2,543,400



NEXT STEPS

- Recommendations to **committees**
- Incorporate **feedback** and finalize **approvals**
- Coordinate with selected agencies on scope and readiness
- Initiate **NCTCOG-led** procurement process

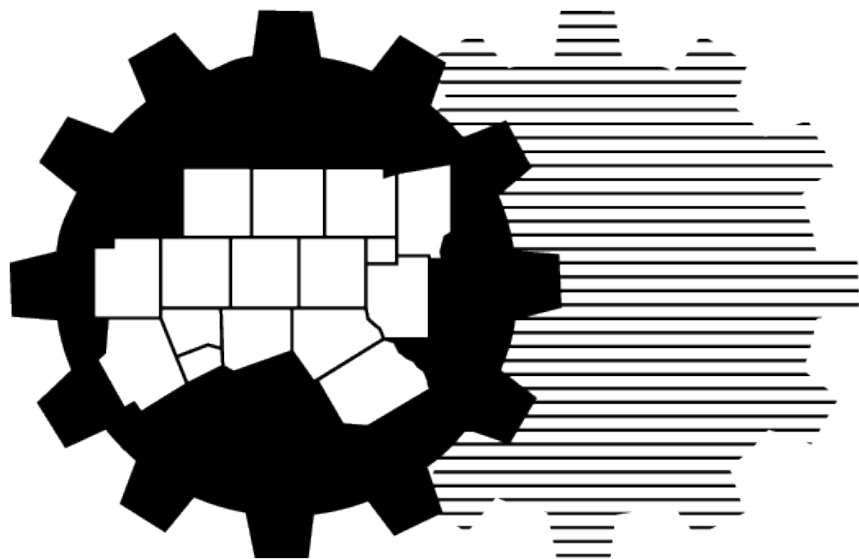


SCHEDULE

Date	Action
October 24, 2025	STTC Information
November 10, 2025	Public Meeting
December 5, 2025	STTC Action
December 11, 2025	RTC Information
January 8, 2026	RTC Action
January 9, 2026	Open Call for Ideas (60 Days)
February 2, 2026	CFI Workshop
April 10, 2026	Close Call for Ideas
May 22, 2026	STTC Information – Submitted Ideas
June 11, 2026	RTC Director’s Report – Submitted Ideas
July 13, 2026	Public Meeting
July 24, 2026	STTC Action – Submitted Ideas
August 13, 2026	RTC Action – Submitted Ideas



CONTACTS



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Technology Project Identification (TPI) Evaluation/Scoring

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