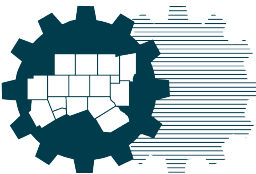


Technology and Innovation Program Projects Update

**Summary of Projects and New Technology
Project Identification**



Technology & Innovation Program Overview

Goals: Advance safe, efficient, and connected transportation through emerging technologies and pilot projects.

Focus: Testing new tools, collecting real-world data, and scaling successful innovations across the region.

Program Highlights

- Supports Automated Vehicles, broadband, and smart infrastructure pilots.
- Promotes regional coordination and innovation readiness.
- Leverages federal Surface Transportation Block Grant (STBG) funds and local partnerships.



Completed AV Projects

Project	Description	Agency	TIP Code	Funding	Status
IH - 30 Test Corridor	Support TX dot connected freight corridor (TCFC) project along IH 30 from Dallas to FW.	NCTCOG	11670	\$250,000	Completed
TxDOT-Dallas Connected Freight Corridor	Smart freight corridors through deploying advanced vehicle-to-vehicle and vehicle-to-infrastructure communication technologies.	TxDOT - Dallas	11670.2	\$1,000,000	Completed
Multi-Purpose AV Design/Development	Multipurpose automated vehicle design, development, testing and deployment.	NCTCOG	11671	\$549,780	Completed
AV Planning	Procure planner(s) to assist public entities attracting or facing AV deployments.	NCTCOG	11685	\$1,666,000	Completed
Paul Quinn College Food & Internet (Infrastructure)	Infrastructure improvements (e.g., sidewalk repairs, clearing obstructions) to support autonomous delivery bots' operations.	NCTCOG	11684	\$250,000	Completed
UTA/Arlington AV Deployment	Support deployment of low-speed shuttles/AVs on UTA campus.	City of Arlington	11684.8	\$1,520,000	Completed
Optimized Freight Movement Project	Freight signal priority technology automatically extends green or reduces red lights for trucks to keep freight moving efficiently.	NCTCOG	11696.2 & 11696.1	\$5,000,000	Partially Completed

Outcomes

- Increased understanding of how Automated Systems operate in different environments.
- Strengthened partnerships between cities, universities, and private companies.
- Helped shape regional readiness for emerging mobility solutions.



Cancelled AV Projects

Project	Description	Agency	TIP Code	Funding	Remaining Funds	Status
Paul Quinn College Food & Internet (Service)	Deployment of delivery robots on campus to provide students with convenient access to meals and internet connectivity services.	NCTCOG	11684	\$1,575,000	Transferred to Broadband Project	Cancelled
DFWIA Automated Parking Project	Automated parking test bed implementing low-speed vehicle automation, supervisory management, and active curb management systems.	DFWIA	11684.7	\$1,500,000	\$1,500,000	Cancelled
McKinney/Dallas AV Wellness Wagons	Mobile telemedicine vans using teleoperation technology to deliver healthcare services and supplies in McKinney and South Dallas.	NCTCOG	11684.6	\$5,000,000	\$5,000,000	Cancelled
				Total	\$6,500,000	

Why It Still Matters

- Each cancelled project provided valuable lessons for improving future efforts.
- Funds and resources will be redirected to stronger, more feasible projects.
- Reinforced the importance of testing and adapting before full regional rollout.



Ongoing AV Projects

Project	Agency	TIP Code	Funding
Fort Worth Broadband	City of Fort Worth	11684	\$3,000,000
Work Zone Data Exchange	NCTCOG	11678	\$2,500,000
Dallas College AV Workforce Dev.	Dallas College	11684.3	\$8,700,000
IH 35W AV Truckport	City of Fort Worth	11684.2	\$4,797,578
Richardson CAV Infrastructure	City of Richardson	11684.5	\$4,800,000
DART Bus Technology	DART	11684.1	\$1,750,000

Regional Goals

- Support economic growth and workforce development for emerging transportation technologies.
- Improve travel safety and reduce congestion.
- Expand access to smart transportation options across communities.



Funding Available - Technology Project Identification (TPI)

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



Process - Technology Project Identification (TPI)

New Process Framework

1. Submit Ideas

Agencies provide concept submissions addressing “**how, what, when, and how much**”.

2. Evaluate

Staff assess **eligibility** and alignment with program **criteria**.

3. Regional Procurement

NCTCOG leads procurement for selected ideas.



Emphasis Areas - Technology Project Identification

Roadway Safety Technologies

- Deploying advanced tools to improve road safety.

Food Desert Elimination

- Supporting access to fresh food through innovative mobility solutions.

Delivery Bots & Drones

- Enhancing last-mile delivery with autonomous technologies.

Next-Gen Traffic Signals

- Improving traffic flow and safety through smart signal systems.

Autonomous Shuttles

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



Proposed Criteria

Proposal	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%



Proposed Eligibility

Eligibility	Description
Costs	Equipment and Software costs involved in project implementation are eligible for reimbursement. Maximum project cost \$3M.
Location	Project must be located within the NCTCOG's 12 counties MPO boundaries and demonstrate direct benefits to the region.
Technology Readiness	Projects must demonstrate a Technology Readiness Level (TRL) between 6 and 9, indicating they are ready for prototype demonstration, testing or deployment.
Data Sharing	Share performance data with NCTCOG and enable data integration with 511DFW and Regional Data Exchange Platforms.
System Interface	Follow connected vehicles systems interface guidelines.
Maintenance & Operations	Project ideas must address how the technology or infrastructure will be maintained and operated after project completion.
Buy America	Buy America compliance from the manufacturer or distributor.
Procurement And Vendor	Follow the federal procurement process when acquiring equipment.
Schedule	Projects must begin by December 31, 2028.

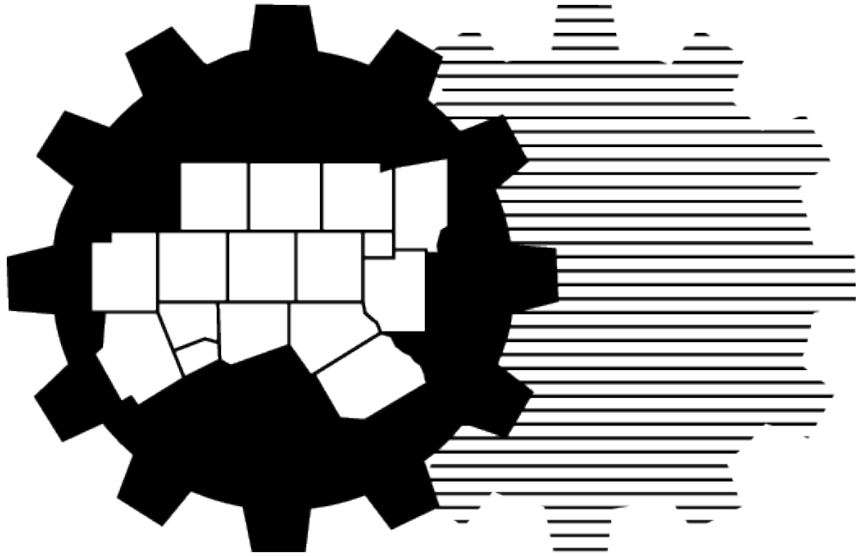


Draft Schedule

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)
April 10, 2026	Close Call for Ideas
May 2026	STTC Information – Submitted Ideas
June 2026	RTC Information – Submitted Ideas
June 2026	Public Meeting
June 2026	STTC Action – Recommended Ideas
July 2026	RTC Action – Final Ideas



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