

# PROJECT PROPOSALS: *AV2.2/2.3*

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PUBLIC OUTREACH MEETING

Thomas Bamonte, Senior Program Manager  
Connected and Automated Vehicles Program

June 2021

# AV2.2/2.3 BACKGROUND

**October 2018:** Regional Transportation Council approves “AV 2.0”

- AV2.1: Regional planning exercise for future mobility technology (\$1.5m)
- AV2.2: AV deployment support for local partners (\$10m)
- AV2.3: Strategic investments in AV services (\$20m)

**September – November 2021:** STTC/RTC funding availability announcements

**November 2020:** RTC approves consolidated project approach

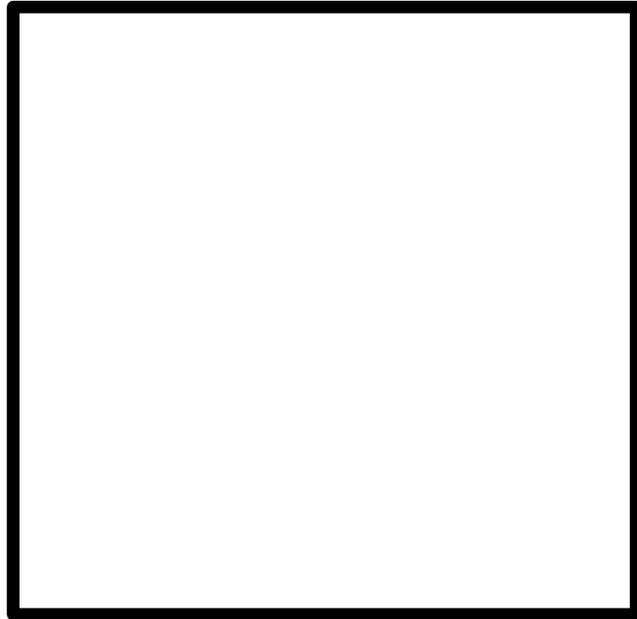
**December 2020:** Information forum for STTC members

**December 2020 – March 2021:** Staff technical support to interested parties and applicants

**March 2021:** Applicants submit proposals

**April 2021:** Staff review

# AV FREIGHT: ZERO TO NETWORK



Aurora

Kodiak

tu simple

AV trucks making regular runs between DFW-Houston and other destinations

2017:



2021: DFW AV Truck Hub

# AV EVOLUTION: DEMO -> PILOT -> SERVICE



2017: Public demo



2019: Fixed route service pilots



2021: Area-wide service



# NEXT STEP: REGIONAL AV PROGRAM

**Multiple AV types:** 18 wheelers to sidewalk delivery bots

**Multiple use cases:** Moving freight, people, and data

**Workforce:** Preparing tomorrow's transportation workforce

**Infrastructure:** Vehicles and infrastructure working together

**Equity:** Targeted use cases to support community needs

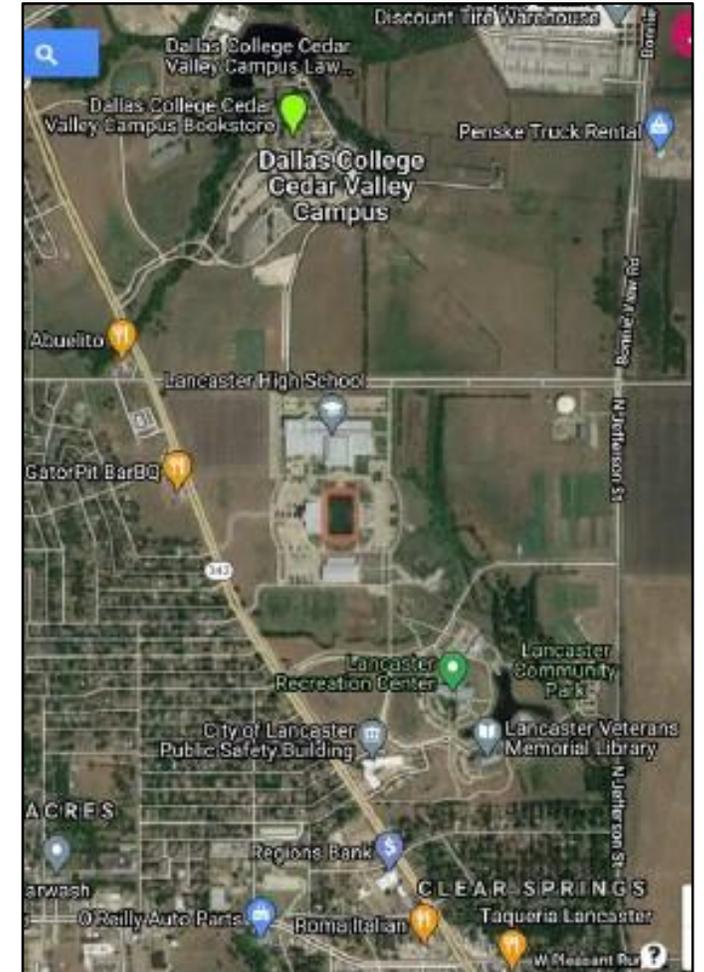
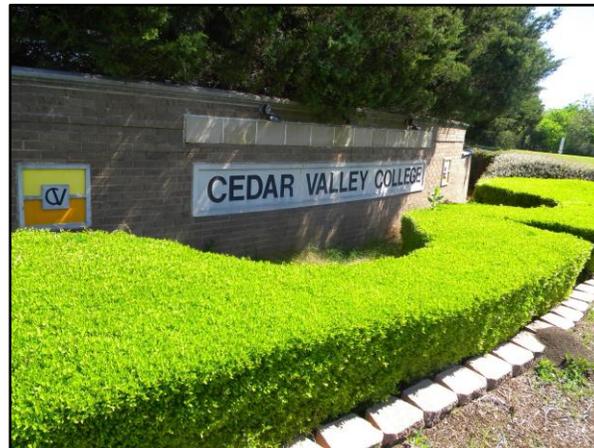
**Economic development:** DFW as innovation center

**Regional coordination:** Ongoing staff support for project sponsors

# CEDAR VALLEY CAMPUS AV CLUSTER

**Project Location:** Dallas College Cedar Valley Campus and environs to the south.

**Description:** Use automated vehicles to serve the campus, neighboring “feeder” high school, community centers, and neighborhood. Workforce development component.



# EASTFIELD CAMPUS COMMUNITY CONNECTOR

**Project location:** Dallas College Eastfield Campus and environs.

**Description:** Automated vehicle transportation for campus and neighboring communities in Dallas and Mesquite. Transit, job center, community connections. Workforce development component.



# WORKFORCE DEVELOPMENT: EASTFIELD CAMPUS & CEDAR VALLEY CAMPUS PROJECTS

**Description:** Workforce development program for:

- (1) transportation technology;
- (2) trucking transportation; and
- (3) goods delivery.



# PAUL QUINN COLLEGE COMMUNITY FOOD DELIVERY BOT SERVICE

**Project location:** Neighborhood immediately surrounding Paul Quinn College in South Dallas.

**Description:** Automated vehicle delivery service of produce from PQC's campus farm to nearby households (approx. 250 at a time). Includes equipping approximately 500 households over life of project with Internet access and training necessary to access bot delivery service and other opportunities.

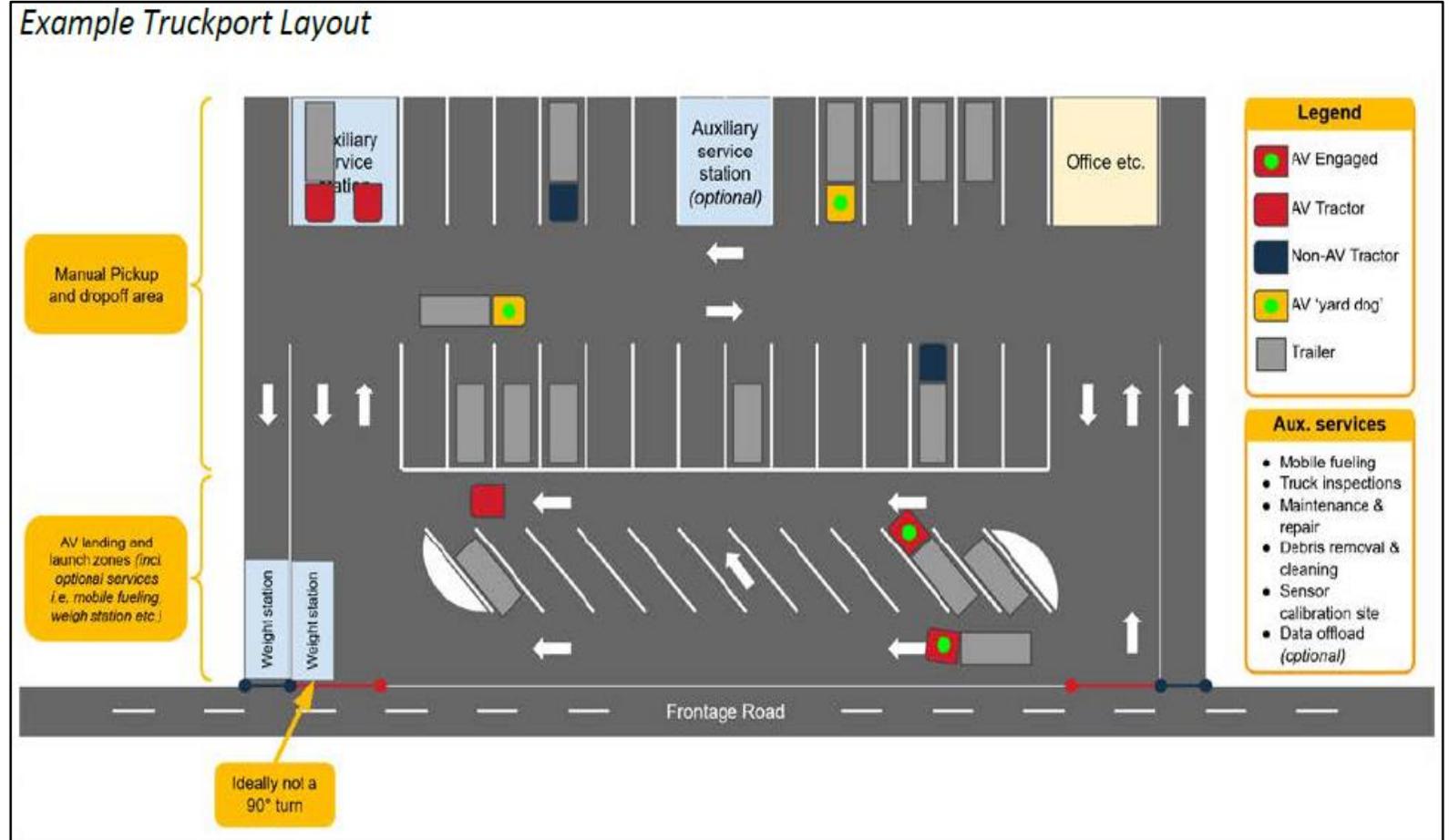
Low-income, Low-access to food – The map below is a representation of the above service area with an overlay of the USDA food desert designated neighborhoods, nearly the entire service area.



# TARRANT AV TRUCKPORT

**Project location:** Northwest Fort Worth (I-35W/SH-170)

**Description:** Build and operate nation's first AV truckport where AV freight companies can pick up and drop off trailers. Serves as a first mile/ last mile stop for human driven trucks before the long haul in AV mode.

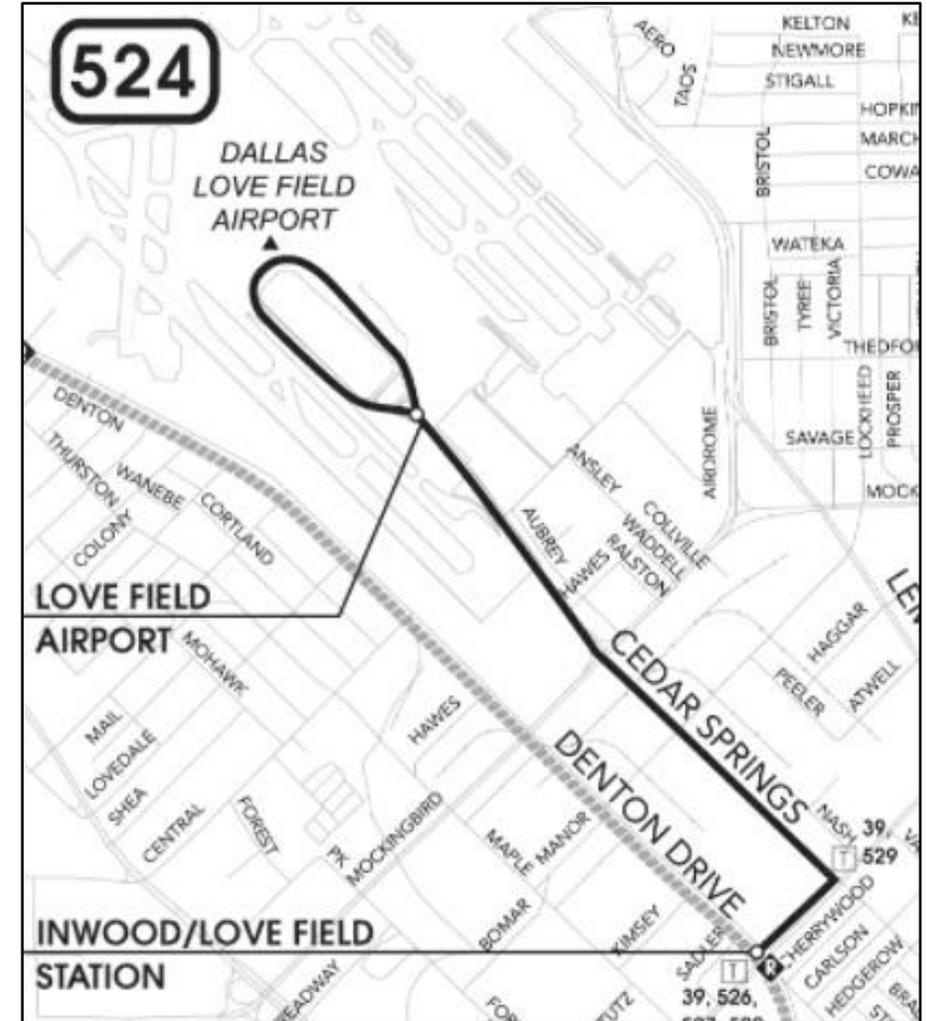




# DART LOVE LINK AV AIRPORT CONNECTOR

**Project location:** Service between Inwood Station and Love Field in Dallas.

**Description:** Four electric and automated buses serving an established route that includes a major airport (Love Field) and already has special route-branding.



# SUMMARY OF AV2.2/2.3 PROJECTS

## Item 10: Recommended AV2.2/2.3 Projects

Implementing Agency	Description	AV2.2: Infrastructure	AV2.3: AV Service	Local	Federal	Total (Local + Federal)	RTC TDCs	Agreement Expectation
Dallas College	Cedar Valley College AV Service/Workforce Development	\$1,150,000	\$2,840,000	\$810,000	\$3,990,000	\$4,800,000	0	Dallas College & TxDOT
Dallas College	Eastfield College AV Service/Workforce Development	\$1,150,000	\$3,560,000	\$990,000	\$4,710,000	\$5,700,000	0	Dallas College & TxDOT
NCTCOG	Paul Quinn College Food & internet delivery	\$250,000	\$1,325,000	\$0	\$1,575,000	\$1,575,000	375,000	NCTCOG & TxDOT
City of Fort Worth	I-35W AV Truckport	\$2,500,000	\$2,297,578	\$0	\$4,797,578	\$4,797,578	1,009,516	City of Fort Worth & TxDOT
City of Richardson	Richardson CAV Infrastructure	\$1,500,000	\$3,300,000	\$171,000	\$4,800,000	\$4,971,000	789,000	City of Richardson & TxDOT
DART	DART Love Link AV Bus Service	\$500,000	\$1,250,000	\$0	\$1,750,000	\$1,750,000	350,000	DART & FTA
		<b>AV2.2</b>	<b>AV2.3</b>	<b>Local</b>	<b>Federal</b>	<b>Total (Local + Federal)</b>	<b>RTC TDCs</b>	
<b>Total</b>		<b>\$7,050,000</b>	<b>\$14,572,578</b>	<b>\$1,971,000</b>	<b>\$21,622,578</b>	<b>\$23,593,578</b>	<b>2,523,516</b>	

# NEXT STEPS

## **June 2021:**

- Information item presented to RTC
- Action item presented to STTC

**July 2021:** Action item presented to RTC

**Fall 2021:** S/TIP approval expected

**Summer 2022:** TxDOT agreements expected to be finalized

**FY23:** Project implementation

# Contacts

## Thomas Bamonte

Senior Program Manager

Connected and Automated Vehicles

North Central Texas Council of  
Governments

Email: [tbamonte@nctcog.org](mailto:tbamonte@nctcog.org)

Twitter: [@TomBamonte](https://twitter.com/TomBamonte)

## Clint Hail

Transportation Planner

Connected and Automated Vehicles

North Central Texas Council of  
Governments

Email: [chail@nctcog.org](mailto:chail@nctcog.org)