PROJECT PROPOSALS:
AV2.2/2.3

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

2017:

2021: DFW AV Truck Hub

AV trucks making regular runs between DFW-Houston and other destinations
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
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.
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.
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.
**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.
RICHARDSON CAV TEST BED & COMMUNITY CONNECTOR

Project Location: Northeast Richardson

Description: Applying CAV solutions to intersections in the technology district to support AV operations as part of AV deployment serving a wide variety of destinations—including City Hall, senior-heavy neighborhood, transit-oriented developments, social service center, the Innovation Quarter, and new UTD Center for Smart and Connected Mobility.
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.
<table>
<thead>
<tr>
<th>Implementing Agency</th>
<th>Description</th>
<th>AV2.2: Infrastructure</th>
<th>AV2.3: AV Service</th>
<th>Local</th>
<th>Federal</th>
<th>Total (Local + Federal)</th>
<th>RTC TDCs</th>
<th>Agreement Expectation</th>
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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

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