

Dallas Area Rapid Transit (DART) Silver Line Regional Rail Project

Connecting a Growing Region
Tuesday, April 16, 2024



Presentation Agenda

- DART Overview
- Silver Line Project Overview
- Providing Connections
- Working with Freight Providers
- Construction Progress
- Silver Line Vehicles and Testing

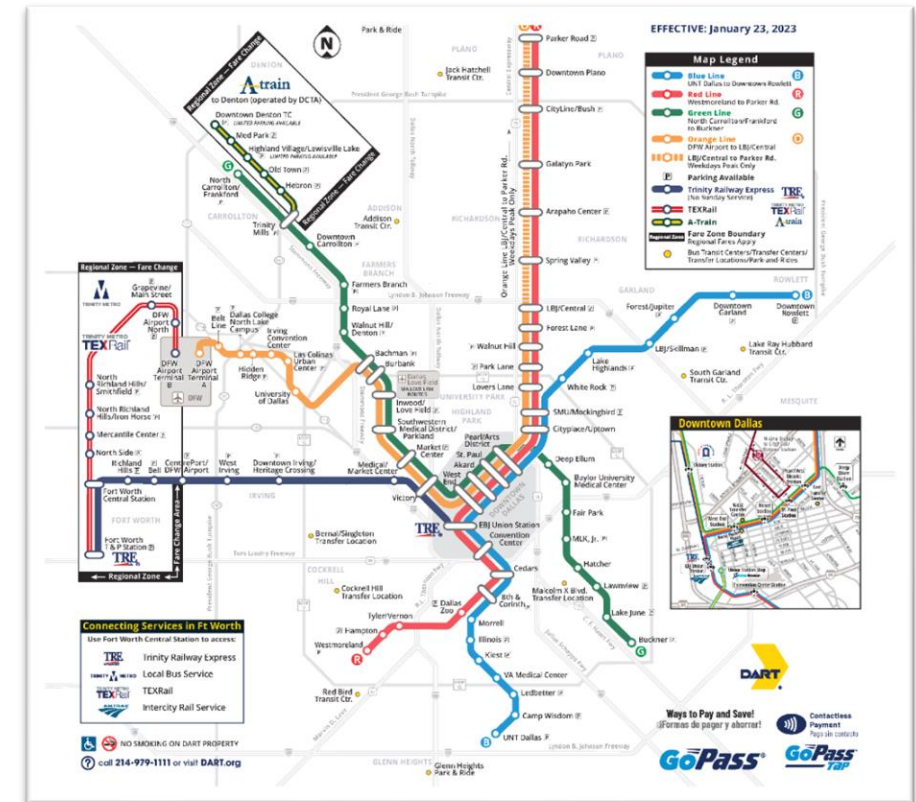


DART Agency Overview

DART is a \$1.8B regional transit agency connecting North Texas residents in 13 cities across more than 700 square miles. DART was created in 1983 by a majority of voters in each city and funded with a one-cent (1%) sales tax.

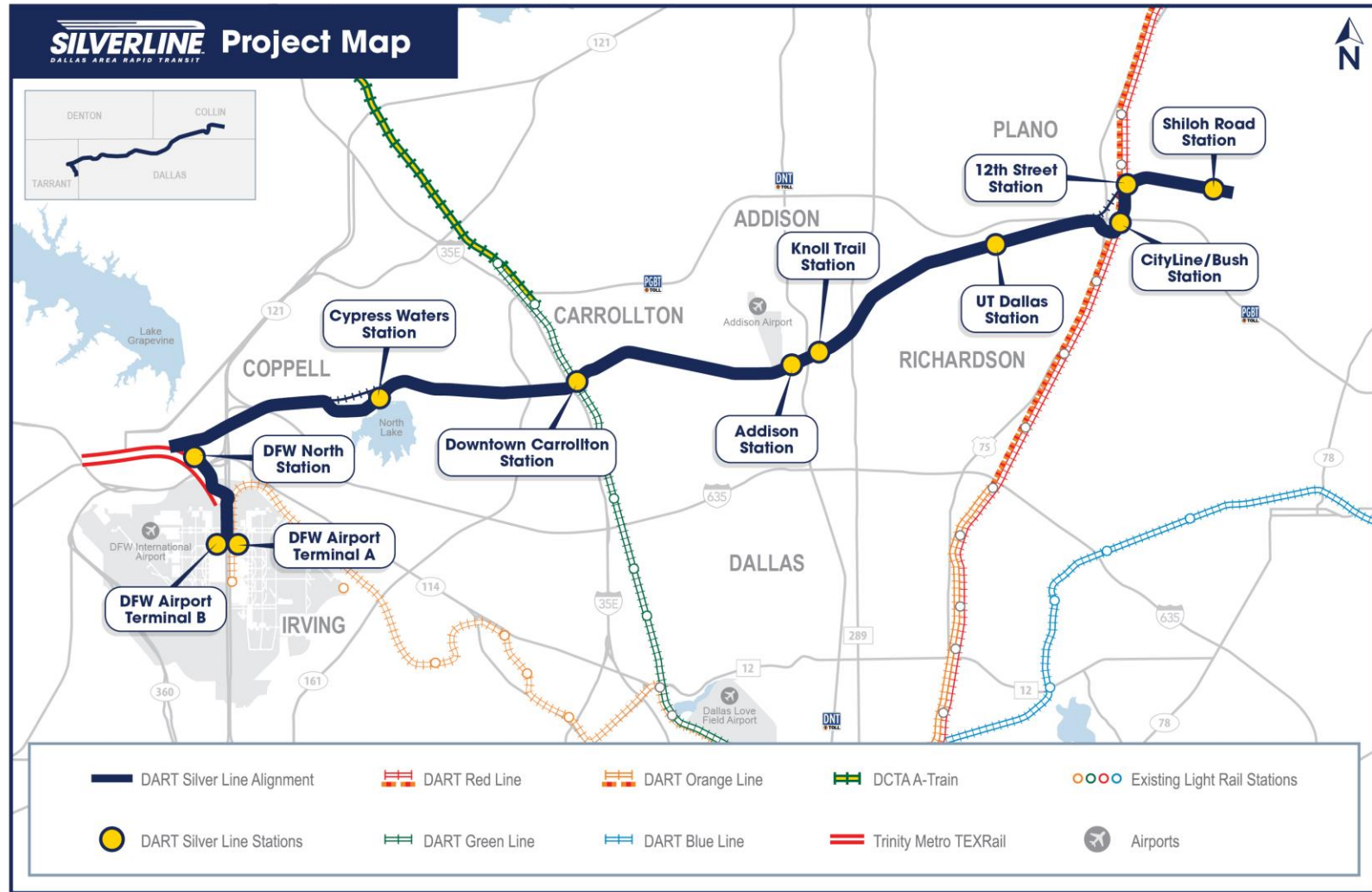
We operate:

- 93-mile light rail system – longest in the United States,
- 570 buses traveling more than 25 million revenue miles,
- 34-mile Trinity Railway Express commuter line,
- On-demand curb-to-curb paratransit, senior medical transportation,
- Largest micro-transit operation in North America (GoLink).



What is the DART Silver Line?

The DART Silver Line is a 26-mile regional rail service that traverses seven cities – Grapevine, Coppell, Dallas, Carrollton, Addison, Richardson, Plano – with a final connection at DFW Airport. The Silver Line crosses three counties (Collin, Dallas, Tarrant) and provides a service that will improve accessibility to major employment and educational opportunities as well as existing transit connections.



Silver Line Community Benefits



Access



Silver Line service provides **access to new possibilities**, expanding service from DFW Airport to Plano and six cities in between.



Mobility

Supports regional transportation goals by **addressing mobility and system sustainability**, including connections to a hike and bike trail system connecting each city.



Growth Opportunities

Supports **continued growth opportunities** throughout the area and for individuals by expanding access to education and jobs as well as business development and access to green space.



Economic Catalyst

Serves as an **economic catalyst** for the area with over 200,000 jobs and educational opportunities within a ½ mile of the corridor.



Reliability

Provides **regional connectivity, travel efficiency and transit reliability** through seamless, safe and quality service in state-of-the-art vehicles.



Safety & Security

Serves as a launch point for **fantastic spaces and safe community hubs** through transit-oriented-development (TOD), station designs and art.



Cotton Belt Regional Trail Corridor

Total Length: 57 Miles



Cotton Belt Regional Trail Corridor

- Trail provides connectivity from Plano to Fort Worth
 - Connectivity between Tarrant, Dallas and Collin counties
 - Intersects with three existing regional trails
 - Links to key destinations and municipalities focused on new Transit Oriented Development (TOD) and community hubs
 - Connects to all Silver Line stations
- Construction is being done in phases with some portions (Phases 1 & 2) being constructed along with the Silver Line Regional Rail Project. Phase 3 of trail is to be constructed later with approval by NCTCOG and each partner city.
- Phases 1 and 2 of trail will approximately align with Silver Line revenue service.



Project Connections- Downtown Carrollton Station

Transit Options: Rail and LRT service, Walk/Bike

- DART is extending the existing Green Line LRT aerial station platform over Silver Line & Madill Corridors.
- DART is adding an at-grade station to service the Silver Line.
- Station is approximately 35% complete and will include connections to pathways on existing regional H&B trail system.
- DCTA looking to extend their current A-Train service to downtown Carrollton and connect to Silver Line and Green Line.



Project Connections- Addison Station

Transit Options: Rail and Bus, Walk/Bike

- Station is approximately 80% complete.
- Station will feature a direct pathway to the current Addison Transit Center with connection to existing Bus Service, the future Cotton Belt Regional Trail.
- There is a planned TOD project (transit-oriented development) near the station that will have pedestrian access from station.



Project Connections– 12th Street Stations

Transit Options:

Rail and LRT service, Walk/Bike

- LRT station (aerial, top) is approximately 10% complete while Silver Line station (at grade, below) is near 60% complete.
- Station will feature accessible pathways to the future Cotton Belt Regional Trail as well as downtown Plano housing, retail and restaurants.
- There is a planned TOD project (transit-oriented development) that will extend the downtown Plano district into the 12th Street Stations.



Project Overview – DART Silver Line

Project Includes:

- Coordination with 7 municipalities & DFWIA
- Primarily double main corridor interlined with freight operations
 - Two freight deviations to serve stations
- Three connection points with DART LRT systems
- Construction of 50 grade crossings
- Construction of 34 new bridges
 - Two additional bridges in freight deviation
 - Seven pedestrian bridges in Phase 1 of regional trail.
- Approximately 750,000 sqft of sound wall installation
- Interface with four freight providers along alignment



Freight Rail Corridor along DART Silver Line



Freight Rail Coordination along DART Silver Line



Freight Rail Coordination along DART Silver Line

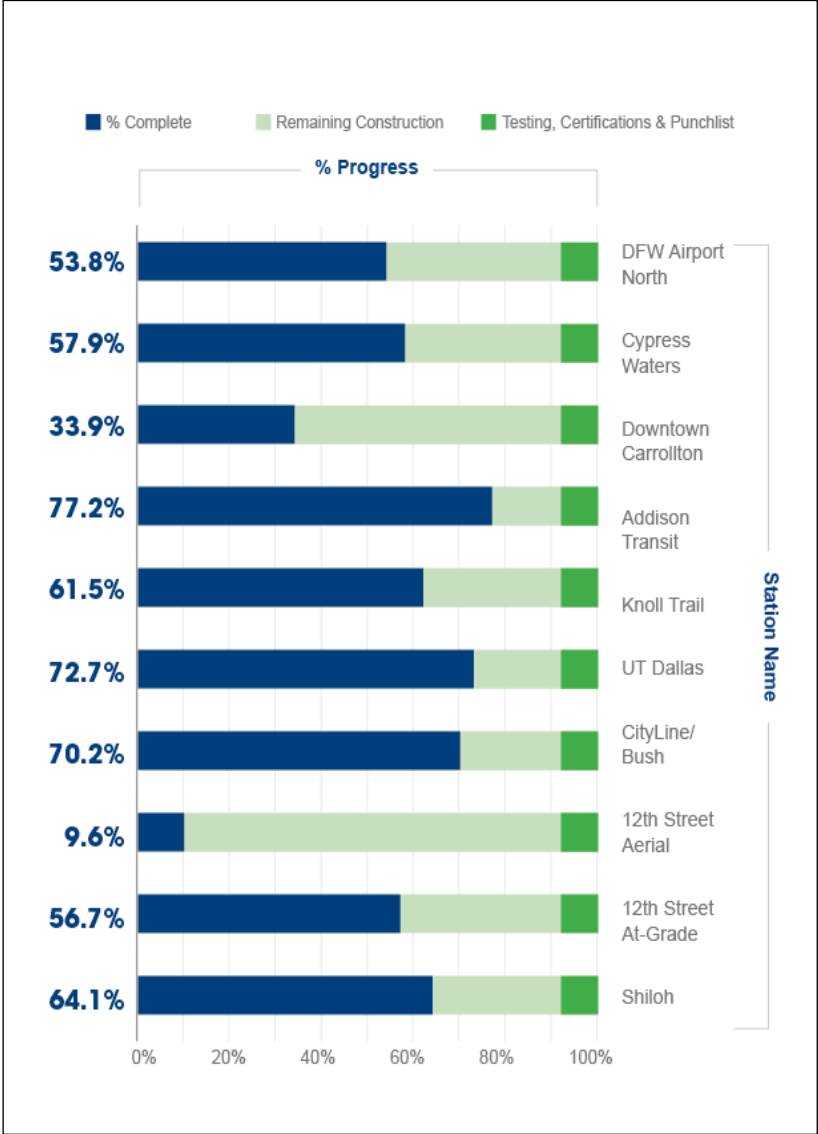


Station Progress

Through February 2024



Art, wind screens, pavers and lighting at Addison Station

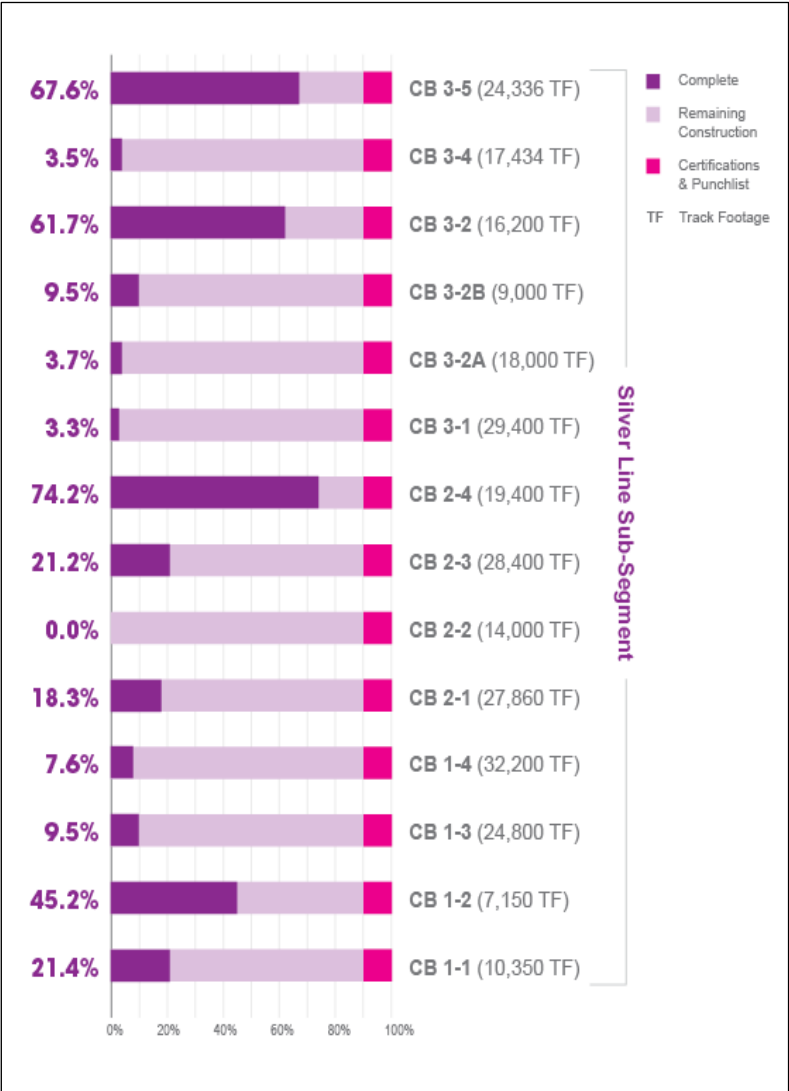


Track Construction Progress

Through February 2024



Installing track near John Connally Drive in Carrollton

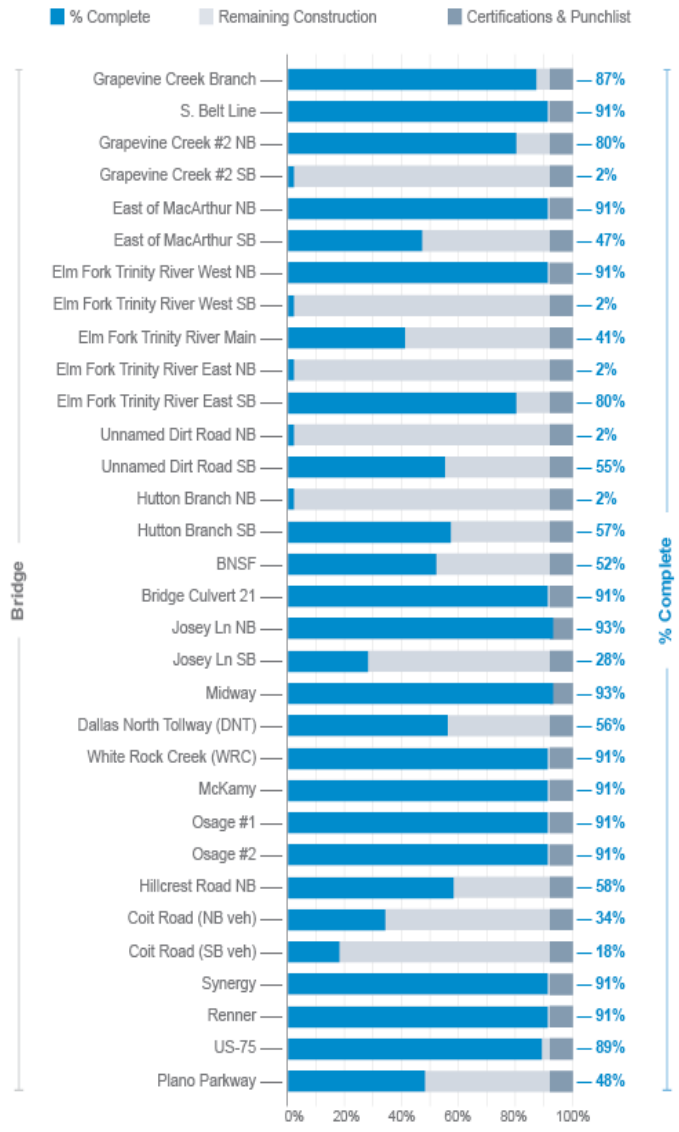


Rail Bridge Progress

Through February 2024



Josey Lane Bridge in Carrollton



Note: At 90% completion, bridges available for substantial completion with exceptions of final punchlist and certifications.

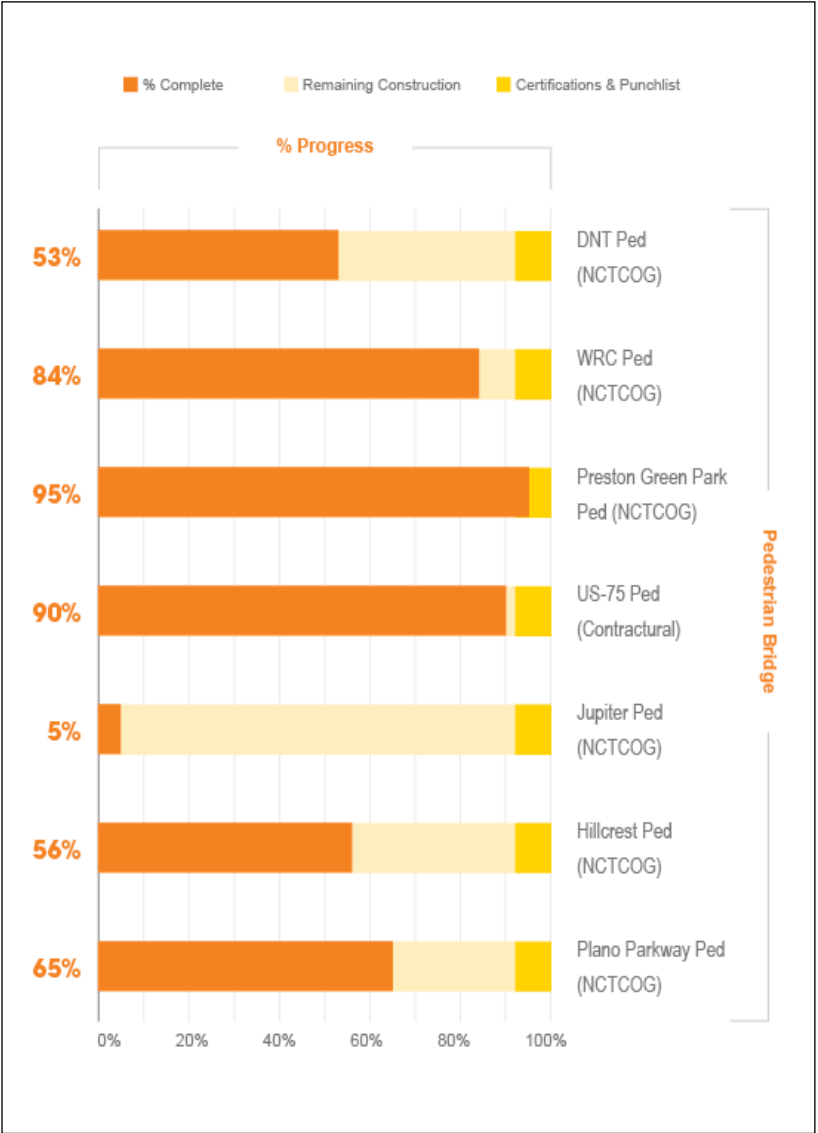


Pedestrian Bridge Progress

Through February 2024

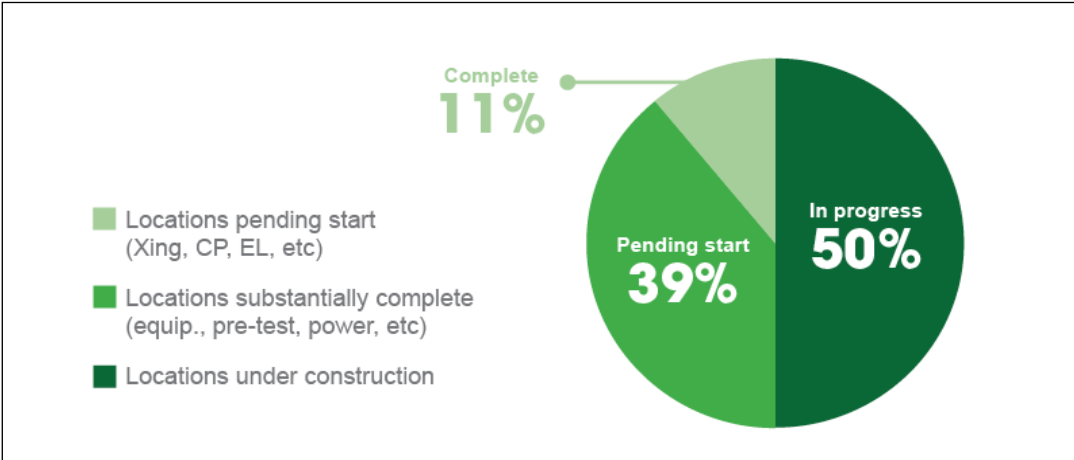


Dallas North Tollway Pedestrian Bridge connecting Dallas to Addison



Overall Systems Progress

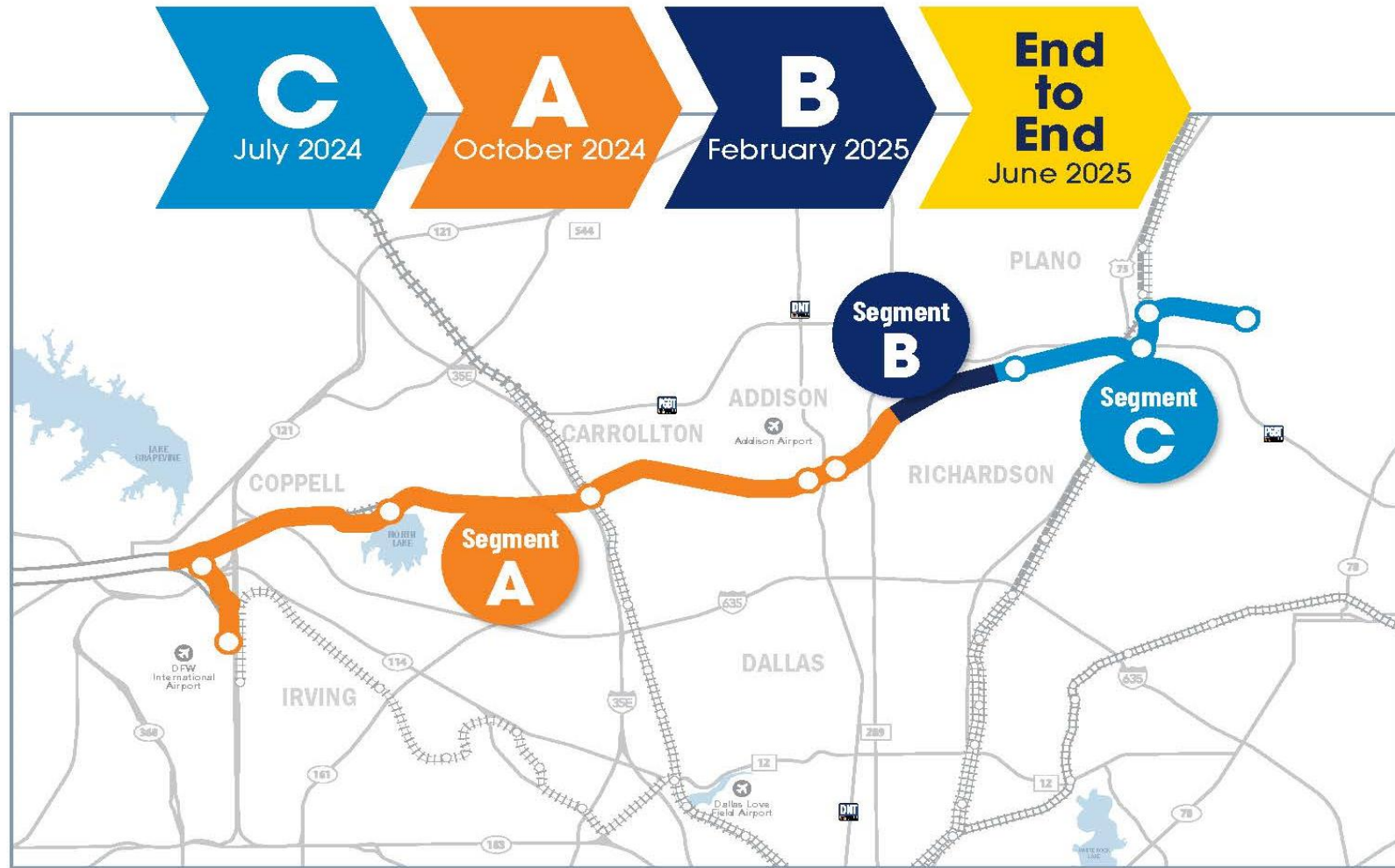
Through February 2024



At-grade crossing at CityLine/Bush Station in Richardson

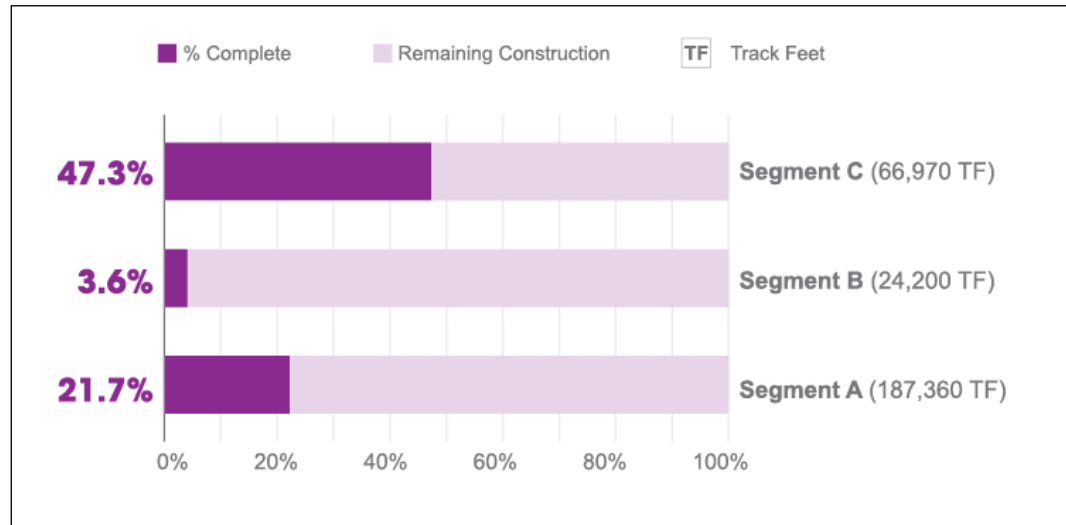


Silver Line Segmented Testing



Track Installed for Segmented Testing Progress

Through February 2024



Silver Line Vehicles

DART is equipping the Silver Line with state-of-the-art vehicles that are quiet, safe and require low maintenance. These vehicles are electric diesel multiple units (DMUs) that meet strict EPA compliance standards, helping reduce emissions. The vehicles and stations will also feature closed circuit television (CCTV) systems internally and externally, allowing DART Police to have an increased monitored presence and stress safety for commuters.



Each new Silver Line vehicle will feature:

- Noise-absorbing polyethylene foam, HVAC enclosures, wheel skirts and variable speed cooling fans to absorb noise.
- On-board internal and external camera systems.
- Premium vinyl seating, overhead luggage storage and bicycle racks.
- Capacity for 485 passengers, including 235 seated.



Silver Line Maintenance Facility





Silver Line Preliminary Operating Plan

- Planning 55-60 daily trips ranging from approx. 4a to midnight
- Peak frequency up to 30 minutes
- 60-minute off-peak frequency
- Considering 7-day service
- Ability to scale weekend frequency for event-based service
- Adoption of service plan pending DART Board consideration in 2025

Questions?

This presentation has concluded.

