

Dallas Area Rapid Transit (DART) Silver Line Project

Quarterly Update Community Meeting – Richardson and Plano
Richardson Civic Center, Richardson
Thursday, February 6, 2020



How to Stay Informed



Visit www.DART.org/SilverLine



Sign up for project alerts at www.DART.org/SilverLine



Email CottonBelt@DART.org



DART HOTLINE
972-833-2856



Attend meetings regularly



**Mail your Community
Engagement Representative**

DART Community Engagement Representative

Chris Walters

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214-749-3280



Questions and Answers

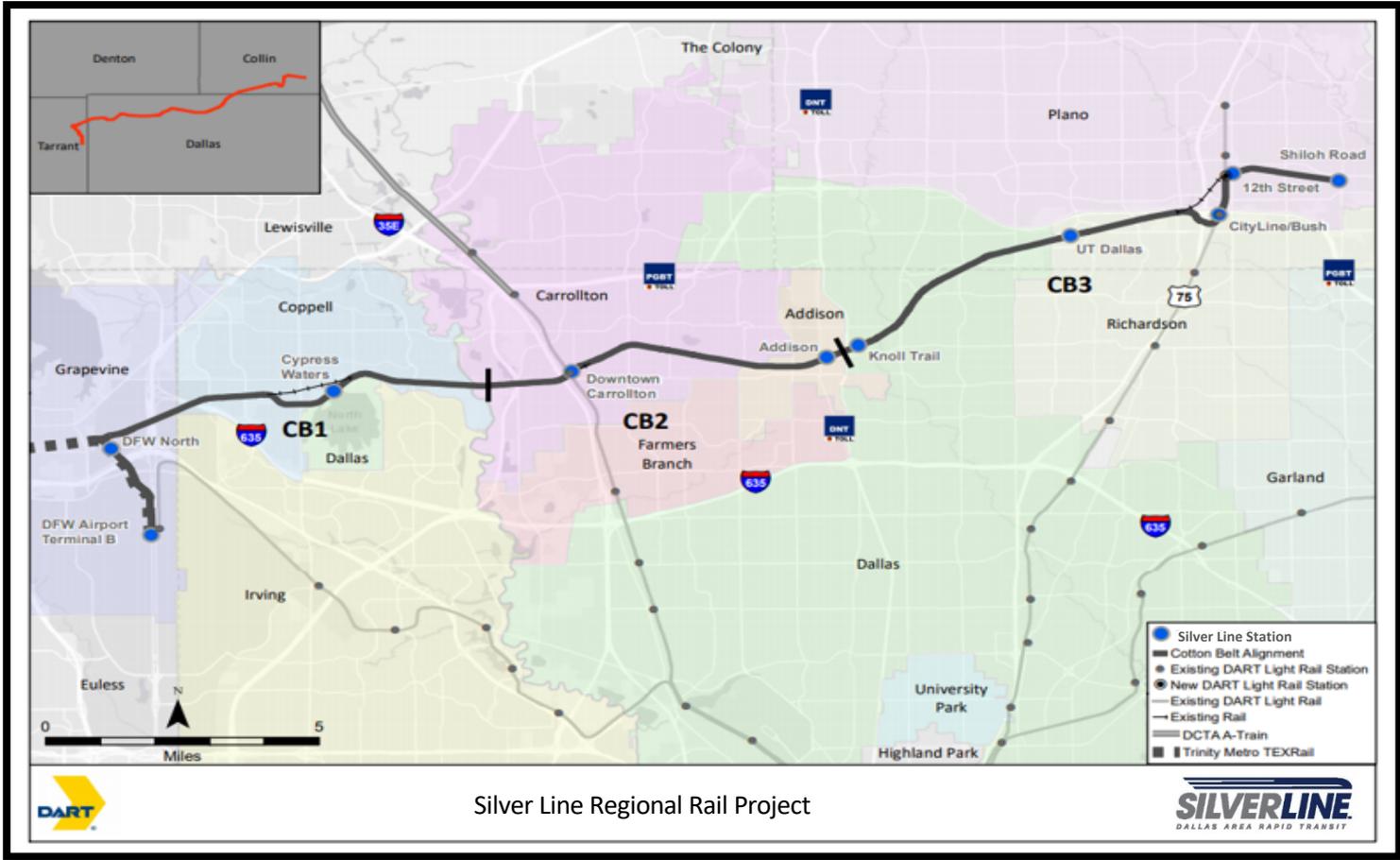
Please submit all questions and comments via Comment Card.
Simply raise your card in the air at any time to turn in card
(or receive an additional card)
for response at the end of the presentation.

If we do not respond to your question/comment tonight,
it will be responded to within 30 days of receipt.

Your question and answer will then be posted on www.DART.org/SilverLine

Thank You

DART Silver Line Segment Map



Silver Line Regional Rail Project



DART Silver Line Project Facts

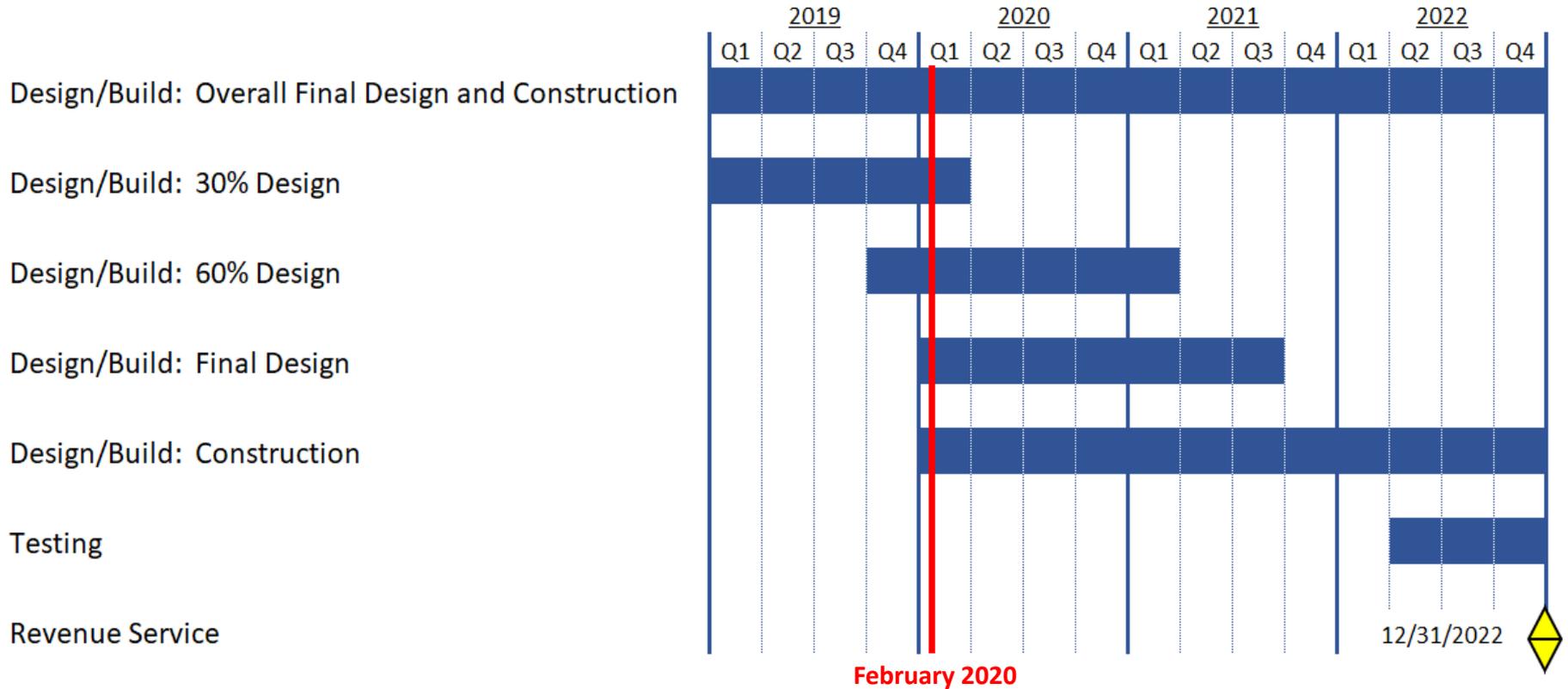
- \$1.243 Billion Project
- 26 Mile Alignment Serving the 7 Cities of:
 - Plano
 - Richardson
 - Dallas
 - Addison
 - Carrollton
 - Coppell
 - Grapevine
- 10 Rail Stations
- 4 Rail Connections (Green, Orange, Red Light Rail, TEXRail)
- 9, 300 Daily Riders by 2040 (30/60 Headways)
- 210,000 Jobs within ½ Mile of Alignment
- 2022 Revenue Service

What is Design-Build?

Design-build alternative project delivery method is used in the construction industry. **Design-build** is a method of project delivery in which an entity (Archer Western Herzog, AWH), works under a single contract with the project owner (Dallas Area Rapid Transit, DART) to provide **design** and construction services.

Design-Build Update

Design-Build Schedule



Construction Activity Update

Construction Activity 1st Quarter 2020

The following work is scheduled to begin the first quarter of 2020:

- Relocation of Wet & Dry Utility Relocation
- Excavation/Embankment
- Retaining Walls
- Bridge Structures

Upcoming Construction Activity



UTILITY RELOCATION



EXCAVATION

Upcoming Construction Activity



RETAINING WALLS



BRIDGE STRUCTURES

Upcoming Construction Activity

Construction Equipment



NOT AN ALL-INCLUSIVE LIST

Upcoming Construction Activity



DUST CONTROL

Upcoming Construction Activity

Public Access

- Maintain Business Access
- Maintain Home & Community Access
- Maintain Access for Emergency Vehicles
- Maintain Pedestrian Access



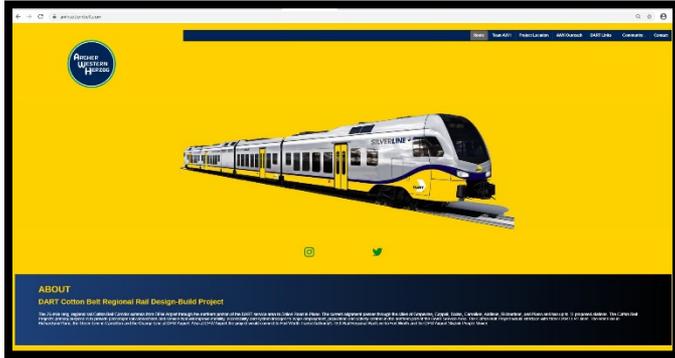
Upcoming Construction Activity

Maintenance of Traffic

- Schedules and Notification Deadlines
- Lane Restrictions
- Closures
- Detours



Construction Notifications



PROJECT WEBSITE



DOORHANGER NOTICE

- Construction Activity Notifications (Doorhangers, Emails, Social Media, etc.)
- DART & Archer Western Herzog Project Websites
- DART Silver Line Project Newsletters
- DART Silver Line Project At-A-Glance Fact Sheets
- Quarterly Design & Construction Community Meetings
- Stakeholder Meetings with Businesses and Residents
- Project Hotline

10 Construction Safety Tips

With construction about to begin on the Silver Line Project along the historic Cotton Belt Regional Rail Corridor, DART reminds everyone that construction areas can be very dangerous. Play it safe by following these 10 tips:

1 STOP, LOOK AND LISTEN

Phones, video games and other electronic devices can be distracting.



2 REMOVE EARBUD OR TURN VOLUME DOWN

Headphones can keep you from hearing approaching bulldozers, dump trucks and other construction vehicles.

3 AVOID DANGERS

Do not walk, ride, run, hang out or play in construction zones or work areas, as heavy machinery and debris pose dangers.



4 OBEY SIGNALS

Always obey all traffic signs and signals; never assume you have the right-of-way - and look both ways before crossing.

5 USE CROSSWALKS

Use sidewalks and cross only at designated crosswalks, as construction vehicles make sudden stops and wide turns.



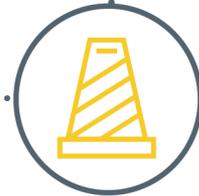
9 BE ON THE LOOKOUT

Watch out for falling objects, moving vehicles and other hazards.



7 WATCH OUT

Observe all construction signs and warnings.



8 KEEP AWAY

Keep away from construction fencing and traffic cones - they're there to protect you.



6 SEE AND BE SEEN

Make eye contact with construction vehicles before crossing.

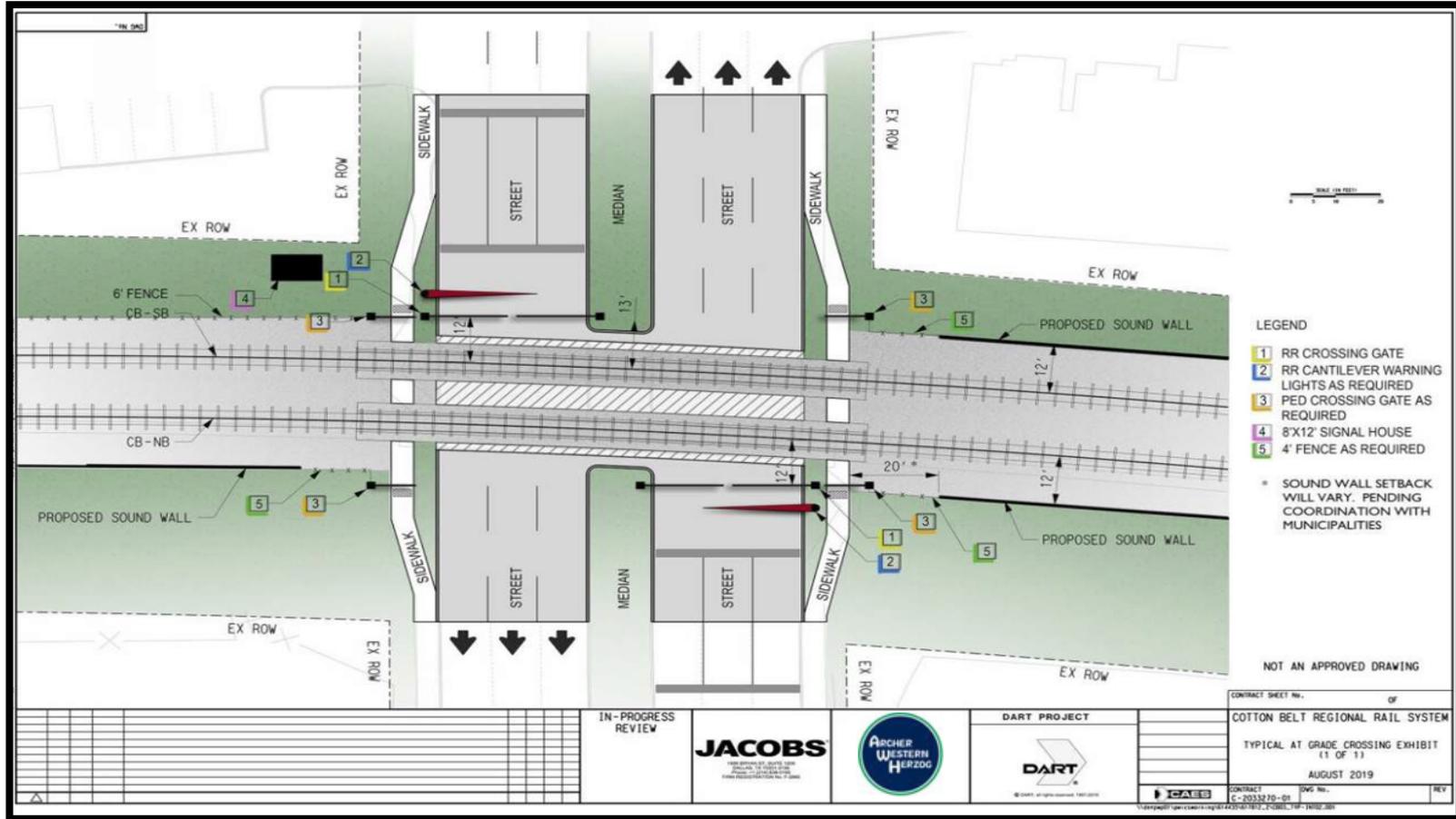
10 START TALKING

Safety begins with you. Talk to your family.

Quiet Zones

- DART Silver Line crossings are proposed to be quiet zones
- Quiet zone mitigations are independent of the sound wall mitigations
- Establishing quiet zones will require cooperative action among the municipalities along the Silver Line, the Federal Railroad Administration (FRA), the freight railroads and DART
- The gates will be determined during design of the intersection

At-Grade Crossing – Typical



Questions and Answers

Please submit all questions and comments via Comment Card for response at the end of the presentation.

Betterments Program

Betterments Program

- Series of community meetings for residential adjacent property owners
- Betterments are project elements above and beyond the standard mitigation measures or design criteria

Thank you to those who participated!

Betterments Program

Betterments Ballot Timeline

Wednesday, November 20th

- Mailed ballots to Residential Adjacent Property Owners

Friday, December 20th

- Deadline for collection of ballots

Monday, December 23rd

- Confirm consensus for all neighborhoods

Tuesday, February 11th

- Present betterment results to DART Board

Betterments Consensus Results

37 Ballot Consensus
14 Default Consensus
2 City Led Programs

- Town of Addison – City Led Program
- City of Carrollton – 13 Neighborhoods
 - 5 Ballot Consensus
 - 8 Default Consensus
- City of Coppell – 4 Neighborhoods
 - 4 Ballot Consensus
- City of Dallas – 32 Neighborhoods
 - 26 Ballot Consensus
 - 6 Default Consensus
- City of Plano – 2 Neighborhoods
 - 2 Ballot Consensus
- City of Richardson – City Led Program

Upcoming Betterments Meetings

- March and April
- Discuss consensus results specific to each neighborhood
- Determine final details such as wall color and vegetation options, where applicable

DART Station

Art & Design Program

Art & Design Program Overview

The DART Art & Design Program was established to achieve the following goals:

- Recognition that art is an important component in the creation of public spaces
- Integration of art as an important component of public transit
- Involvement of the community in the design of stations and related artwork
- Creations of opportunities for maintenance savings through reduced vandalism

The Silver Line Art & Design Program includes:

- Art and design of 10 Stations along the 26-mile Silver Line Corridor
- A team of architects, artists, engineers and neighborhood advisory committee members for each station collaborating from station concept to completion
- Architectural elements including paving and column cladding, site elements, landscaping and site-specific artwork

DART Station Art & Design Program

- Station artists work with community groups and design team to enhance station elements in 5 workshops.
- Community groups continue to work on designs for:
 - **UT Dallas Station**
 - **CityLine/Bush Station**
 - **12th Street Station**
 - **Shiloh Road Station**
- Station enhancements have been completed for Grapevine, Coppell and Dallas while work on designs continue for stations in Carrollton and Addison.

DART Station Art & Design Program

- DART recommendations for site-specific committee members for each station
 - Committee consists of 8-12 individuals representing neighborhoods, businesses, and institutions near station
- Design-Builder recommendations for station artists for each station
- Approvals of artists and site committee
- Workshop schedules include the following meetings:
 - Community Orientation
 - Meeting Site tour and key items identified
 - Workshop 1 artistic value statements and brainstorming
 - Workshop 2 options and estimates presented with feedback and selection
 - Workshop 3 Report Back

Silver Line Basic Station Concept



Silver Line Basic Station Concept



UT Dallas Station



UT Dallas Station



Station Facts

Platform Type: Center

Parking Spaces: 248

Bus Bays: 5

Bus Routes: 3

Projected Daily Ridership:

Opening Day: 700

2040: 850

Mode of Access:

Bus Transfer: 63%

Drive: 5%

Walk: 32%

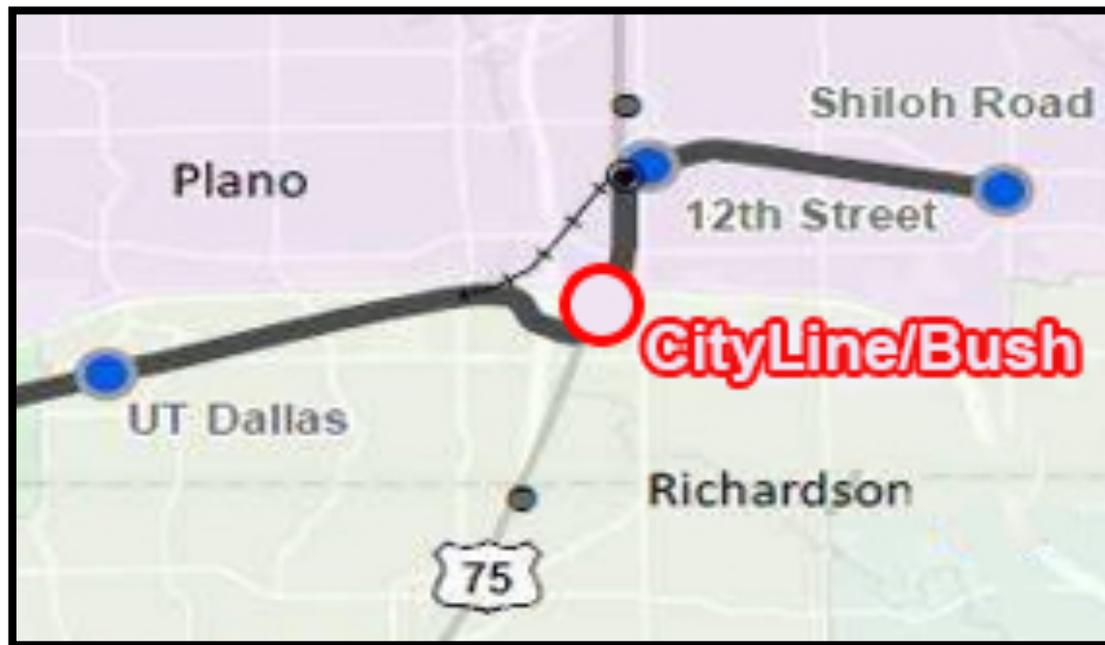
Station Benefits

- Access to UT Dallas campus
- Near-term shared use parking with UTD opportunity for shared structure parking long-term
- Transit-Oriented Development adjacent to platform
- Adjacent to two large employers

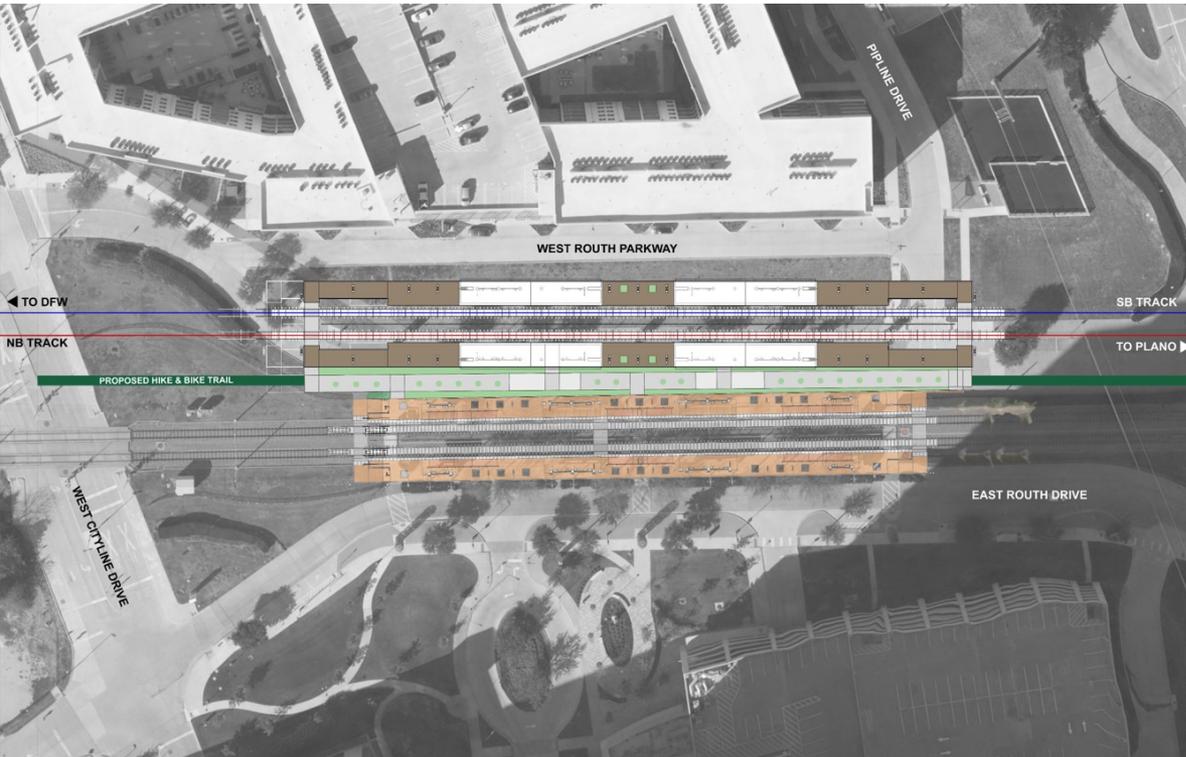
Key Community Comments

- Supported by the City of Richardson
- Supported by UT Dallas
- Seen as a compliment to planned development
- Serves future students but not current students

CityLine/Bush Station



CityLine/Bush Station



Station Facts

Platform Type: Side
Parking Spaces: Existing
Bus Bays: Existing
Bus Routes: 4

Projected Daily Ridership:
Opening Day: 1,000
2040: 1,380

Mode of Access:
Rail Transfer: 70%
Bus Transfer: 8%
Drive: 11%
Walk: 11%

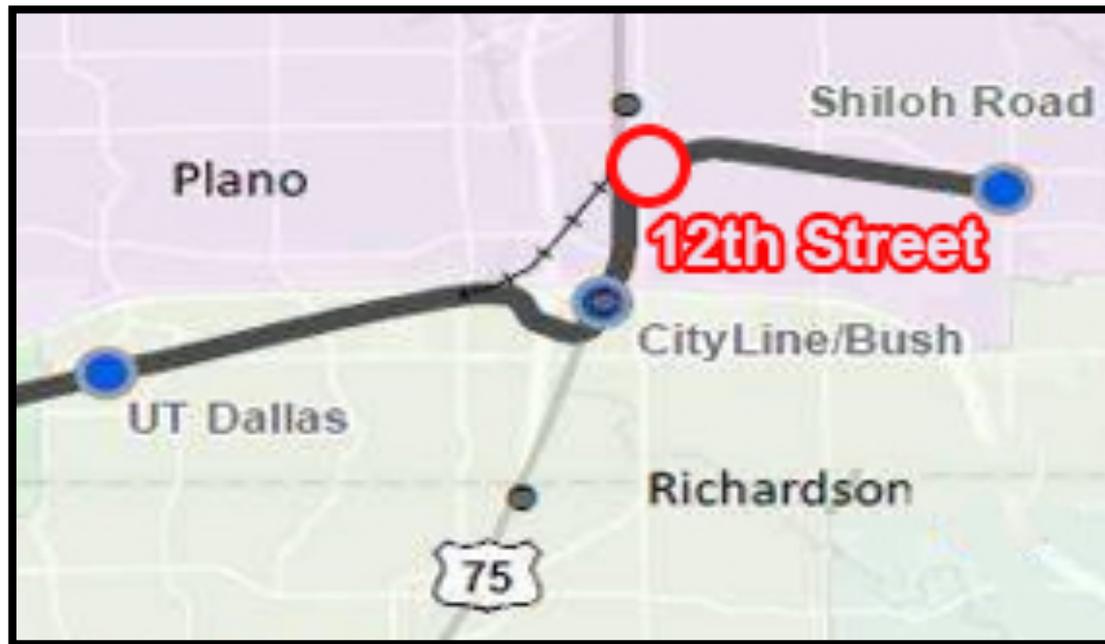
Station Benefits

- Transit-Oriented Development
- Serves CityLine
- Large employment centers
- DART Red Line connection

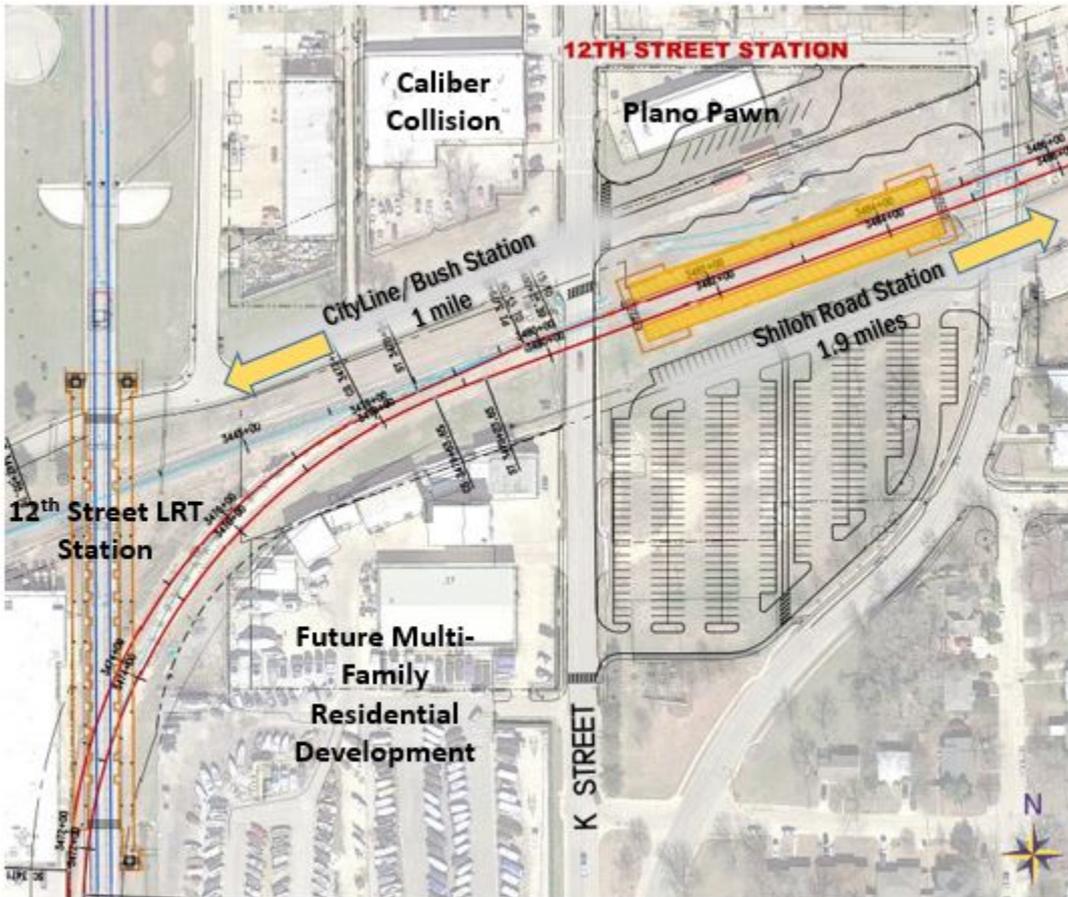
Key Community Comments

- Supported by the City of Richardson
- Supported by CityLine developers and businesses
- Seen as compliment to existing and planned development
- Seen as a multimodal transit hub

12th Street Station



12th Street Station



Station Facts

Platform Type: Side
Parking Spaces: 314
Bus Bays: 5
Bus Routes: 1

Projected Daily Ridership:
Opening Day: 200
2040: 370

Mode of Access:
Rail Transfer: 46%
Bus Transfer: 8%
Drive: 32%
Walk: 14%

Station Benefits

- Additional Red Line/Cotton Belt Transfer opportunity
- Part of Plano's 10-year vision to extend downtown Plano to the south and create pedestrian-oriented development corridor
- Parking serves entire station complex

Key Community Comments

- Supported by the City of Plano
- Envisioned as a development catalyst
- Seen as compliment to planned development
- Seen as multimodal transit hub

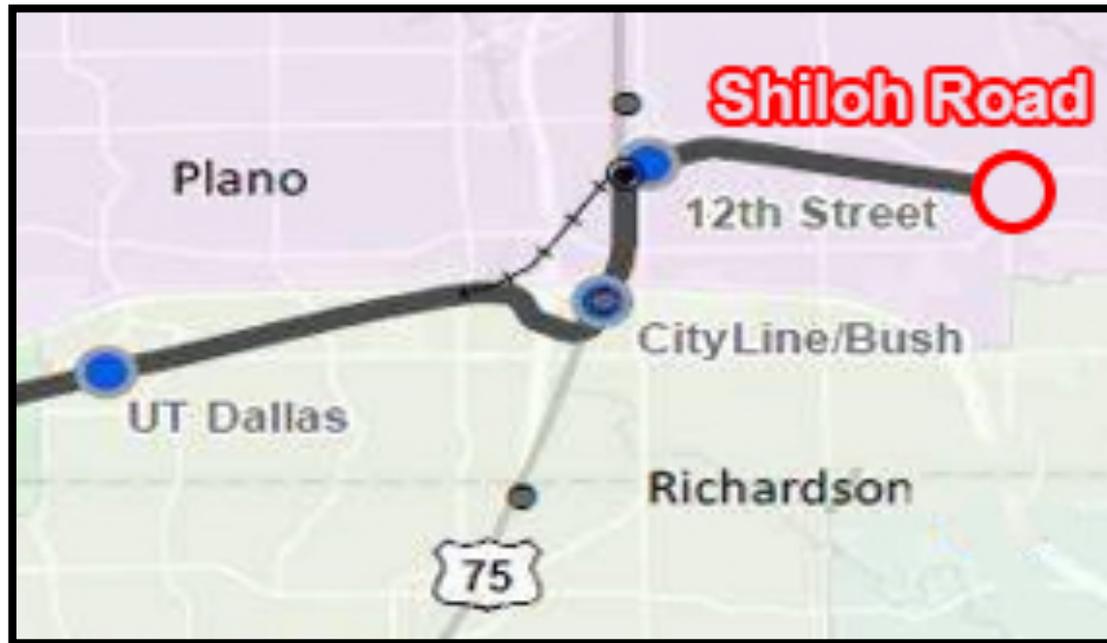
12th Street Station (Commuter Rail)



12th Street Station (Aerial)



Shiloh Road Station



Shiloh Road Station



Station Facts

Platform Type: Center

Parking Spaces: 672

Bus Bays: 2

Bus Routes: 2

Projected Daily Ridership:

Opening Day: 400

2040: 660

Mode of Access:

Drive: 47%

Bus: 13%

Walk: 40%

Station Benefits

- 146,000 Residents within 5 miles of track shed
- End of line commuter park-and-ride
- Access/visibility from major arterial
- Bus connections to industrial employment areas

Key Community Comments

- Supported by the City of Plano
- Support for terminal station parking
- Interest expressed in extending line eastward

Questions and Answers

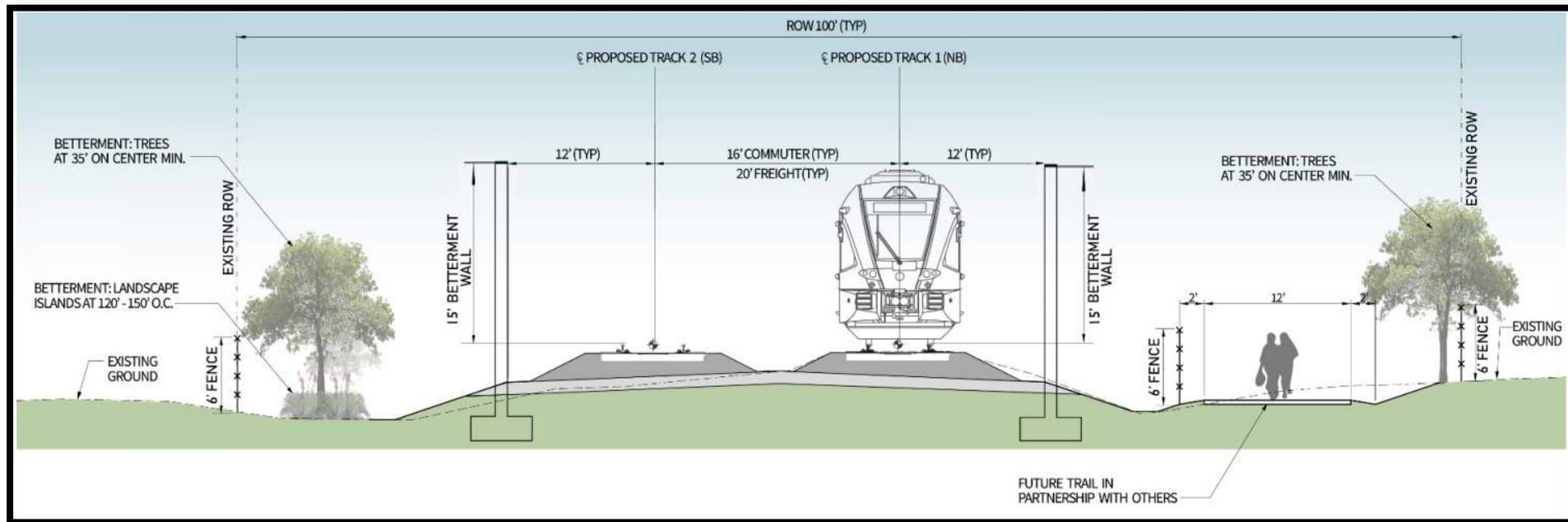
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Hike & Bike Trail

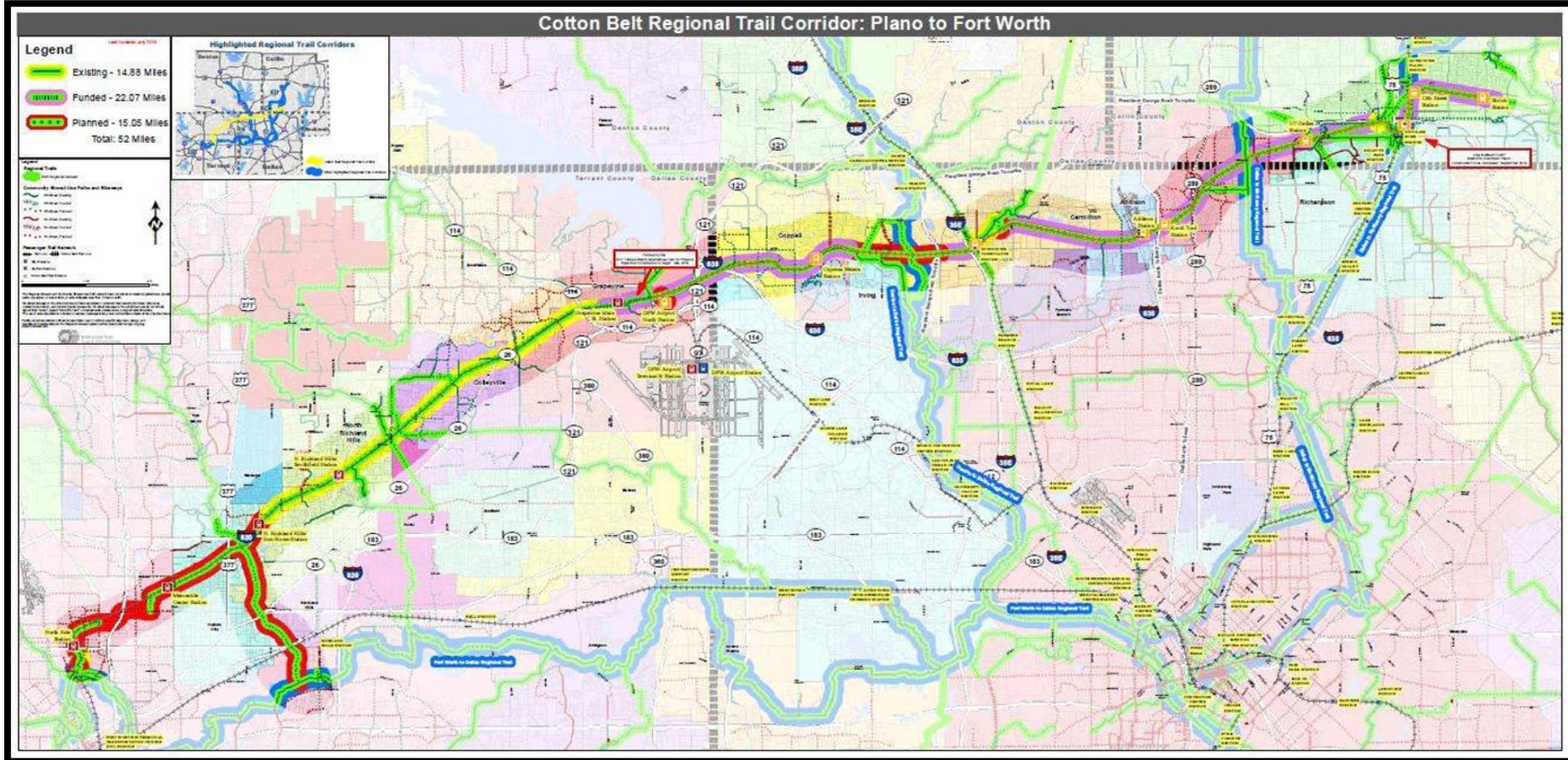
Hike & Bike Trail

- The Hike & Bike Trail is being funded through an Interlocal Agreement with the North Central Texas Council of Governments (NCTCOG)
- NCTCOG is working with participating cities to develop the project
- DART will complete final design of the Cotton Belt Corridor Hike and Bike Trail

Typical Cross Section Hike and Bike Trail on One Side



Hike and Bike Trail



Questions About Hike and Bike Trail

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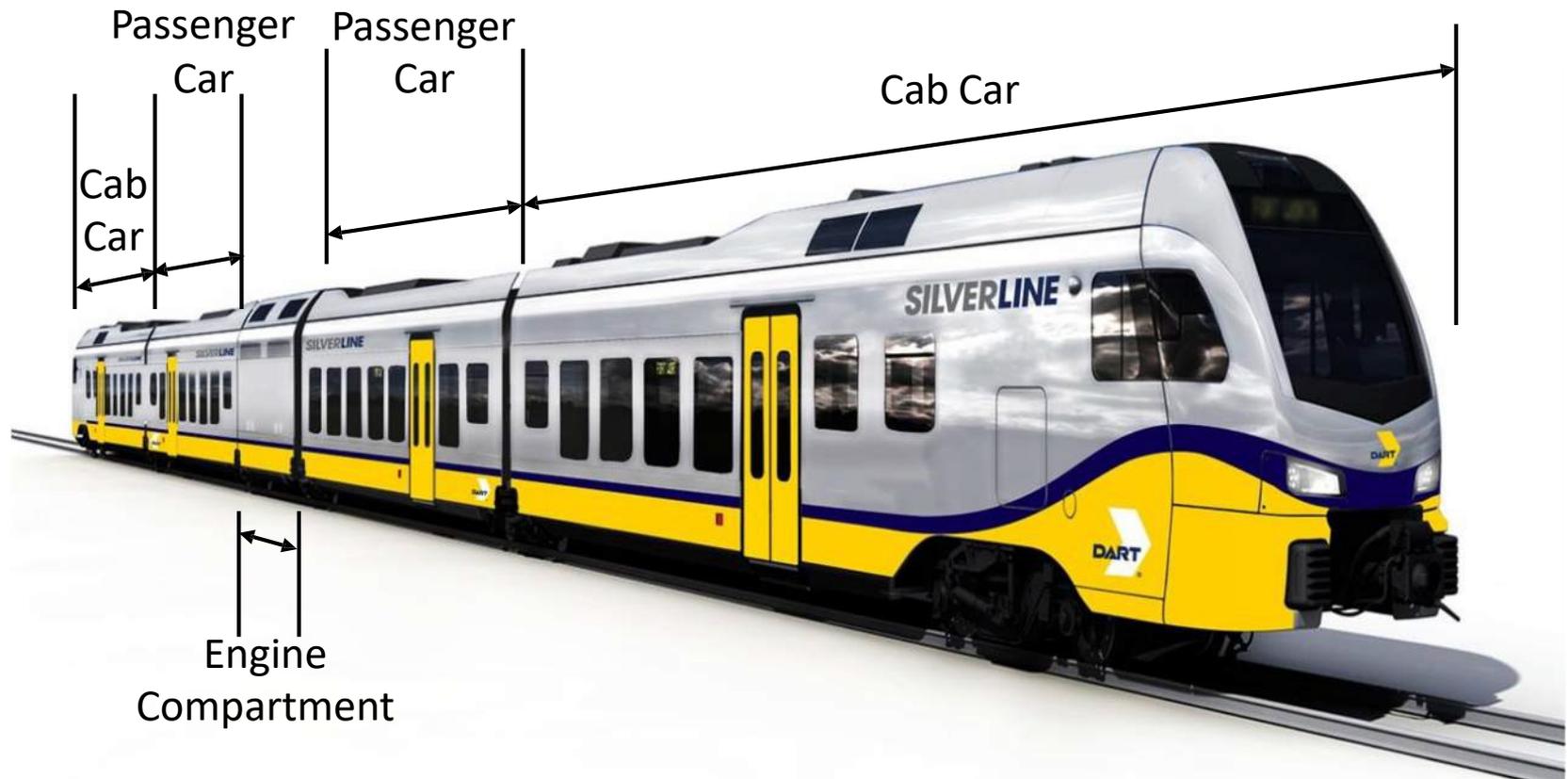
Silver Line Vehicle Information

Vehicle Information

- Environmentally and community friendly vehicle that meets tier 4 EPA emissions standards and FRA standards
- Self-Propelled Diesel Multiple Unit (DMU)
- Automatic Passenger Counters (APC)
- Vehicle Business System (VBS)
- Closed Circuit Television System (CCTV)
- Number of seats per vehicle: 230
(Room for up to 250 standees; 480 total passengers)

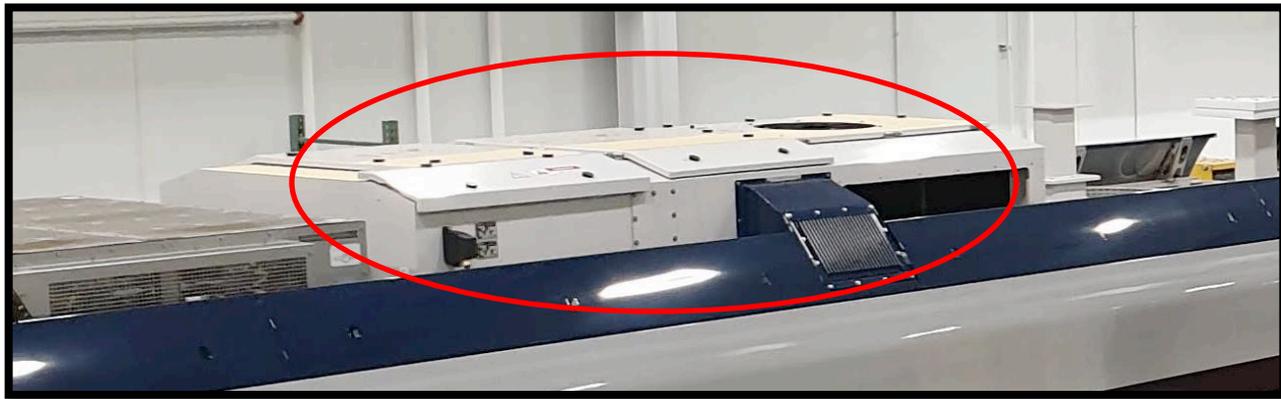


Vehicle Overview



Vehicle Overview - Exterior

HVAC Enclosure



Vehicle Overview - Exterior

Wheel Skirts



**WHEEL SKIRTS
(STILL UNDER DESIGN)**

Vehicle Overview - Interior



INTERIOR SEATING



ENTRANCE AREA

Vehicle Overview - Interior



INTERIOR LIGHTING



OVERHEAD LUGGAGE CARRIERS

Vehicle Overview - Interior



WHEELCHAIR ACCOMMODATION



BICYCLE RACKS

Vehicle Frequency

- Weekday service is currently slated to be from 6:00 a.m. to 9:00 p.m.
- Service hours could be as early as 5:00 a.m. or as late as 11:00 p.m.



Questions and Answers

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via Comment Card now
for upcoming Q&A section.**

How To Stay Informed

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How to Stay Informed

NEWS & EVENTS

- DART News
- Expansion**
 - Silver Line Project
 - D2 Subway: Dallas Central Business District (CBD) Second Light Rail Alignment
- Platform Extensions
- Transit System
- Expansion Map
- DART Rail
- Construction
- It's our DART. Let's keep it safe.

Meetings

Newsroom

ADDITIONAL LINKS

- Paratransit Services

Silver Line Project

Future service running on the Cotton Belt Regional Rail Corridor will be known as the Silver Line

- **Upcoming Meetings**
- **Meeting Presentations and Videos**
- **Construction Alerts**
- **Final Environmental Impact Statement / Record of Decision** (Nov 2018)
- **Questions & Answers**
- **Historical Information**

The DART 2030 Transit System Plan (TSP), approved in October 2006, identified the Cotton Belt Corridor as a priority project. In 2016, DART advanced implementation of the Cotton Belt to the year 2022 in its FY2017 Twenty-Year Financial Plan. The DART 2045 Transit System Plan, which is under development, will reflect this change to the project schedule.

The 26-mile Cotton Belt Corridor extends between DFW Airport and Shiloh Road in Plano (see map below). The alignment traverses seven cities: Grapevine, Coppell, Dallas, Carrollton, Addison, Richardson and Plano. The Cotton Belt "Silver Line" Project's primary purpose is to provide passenger rail connections and service that will improve mobility, accessibility and system linkages to major employment, population and activity centers in the northern part of the DART Service Area.

The Cotton Belt "Silver Line" Project would interface with three DART LRT lines: The Red/Orange Lines in Richardson/Plano, the Green Line in Carrollton and the Orange Line at DFW Airport. In addition, at DFW Airport, the project would connect to the Fort Worth Transportation Authority TEXRail Regional Rail Line to Fort Worth and provide access to

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- DART Community Meeting/Public Hearing Notices
- DART Rider Alerts

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