

# Dallas Area Rapid Transit (DART) Silver Line Project

Quarterly Update Community Meeting  
The Sound at Cypress Waters, Dallas  
Tuesday, January 21, 2020



# How to Stay Informed



Visit [www.DART.org/SilverLine](http://www.DART.org/SilverLine)



Sign up for project alerts at  
[www.DART.org/SilverLine](http://www.DART.org/SilverLine)



Email [CottonBelt@DART.org](mailto:CottonBelt@DART.org)



**DART HOTLINE**  
**972-833-2856**



Attend meetings regularly



**Mail your Community  
Engagement Representative**

# DART Community Engagement Representative

Carlos Huerta

[CottonBelt@DART.org](mailto:CottonBelt@DART.org)

214-749-2721



# Questions and Answers

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Please submit all questions and comments via Comment Card.

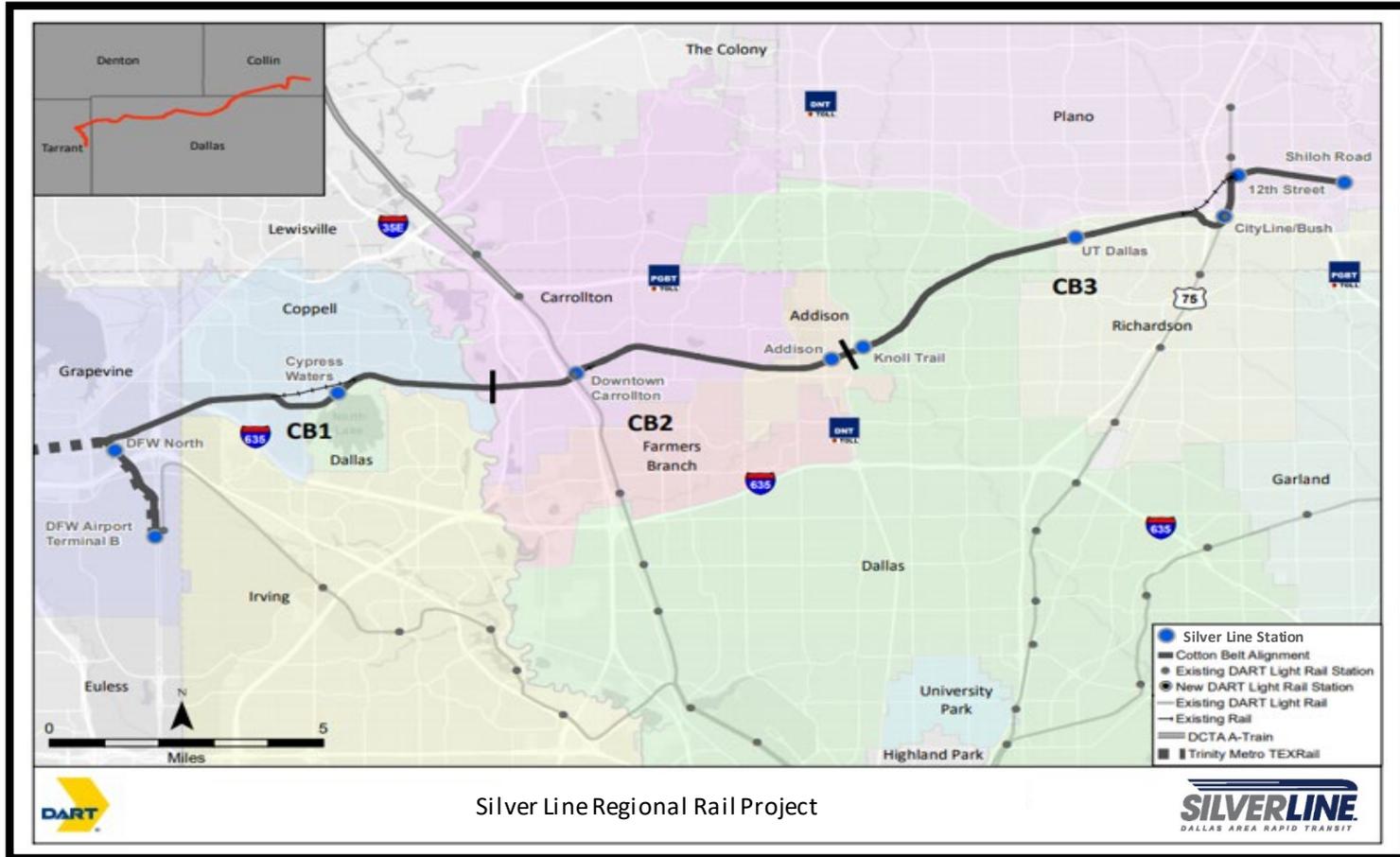
Your question/comment will be responded to within 30 days of receipt.

Your question and answer will then be posted on

[www.DART.org/SilverLine](http://www.DART.org/SilverLine)

## Thank You

# DART Silver Line Segment Map



# DART Silver Line Project Facts

- \$1.135 Billion Design-Build Project
- 26 Mile alignment serving the 7 cities of:
  - Addison
  - Carrollton
  - Coppell
  - Dallas
  - Grapevine
  - Plano
  - Richardson
- 10 Rail stations
- 4 Rail connections (Green, Orange, Red Light Rail, TEXRail)
- 11,160 Daily riders by 2040
- 210,000 Jobs with ½ mile of alignment
- 2022 Revenue Service

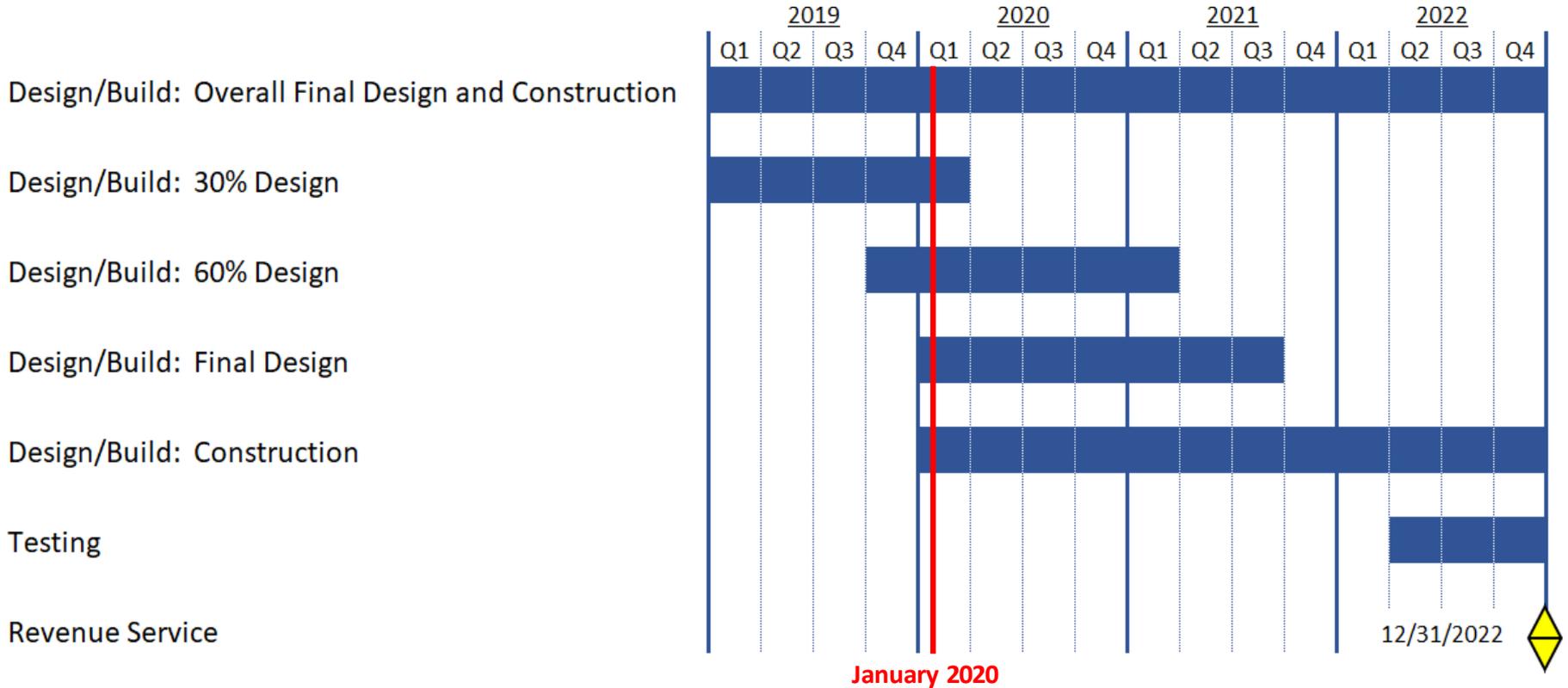
# What is Design-Build?

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**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 1<sup>st</sup> Quarter 2020

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

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

# Upcoming Construction Activity



**EXCAVATION**



**BRIDGE STRUCTURES**

# Upcoming Construction Activity



**RETAINING WALLS**



**UTILITY RELOCATION**

# 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

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## 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

# Rail & Construction Safety

1. **Look up, stay alert** -- phones, video games and other electronic devices can be distracting
2. **Remove an earbud or turn down the volume.** Headphones can keep you from hearing approaching construction vehicles
3. **Do not walk, ride, run, hang out or play in construction zones or work areas,** as heavy machinery and debris pose dangers
4. **Use sidewalks or designated paths** and be aware of sidewalk closures or temporary walkways
5. **Cross only at designated crosswalks,** as construction vehicles make sudden stops and wide turns
6. Make eye contact with construction vehicles before crossing -- **see and be seen**
7. **Observe all construction signs and warnings**
8. **Keep away from construction fencing and traffic cones** -- they're there to protect you
9. **Watch out for falling objects, dust and other hazards**
10. Finally, remember: **Share safety information with your family and neighbors**

# Quiet Zones

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- 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, FRA, the freight railroads and DART
- The gates will be determined during design of the intersection

# At-Grade Crossing – Typical



# 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

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## Betterments Ballot Timeline

### **Wednesday, November 20<sup>th</sup>**

- Mailed ballots to Residential Adjacent Property Owners

### **Friday, December 20<sup>th</sup>**

- Deadline for collection of ballots

### **Monday, December 23<sup>rd</sup>**

- Confirm consensus for all neighborhoods

### **Friday, January 24<sup>th</sup>**

- Begin mailing confirmation letters to all neighborhoods

### **Tuesday, February 11<sup>th</sup>**

- 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

- February and March
- 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

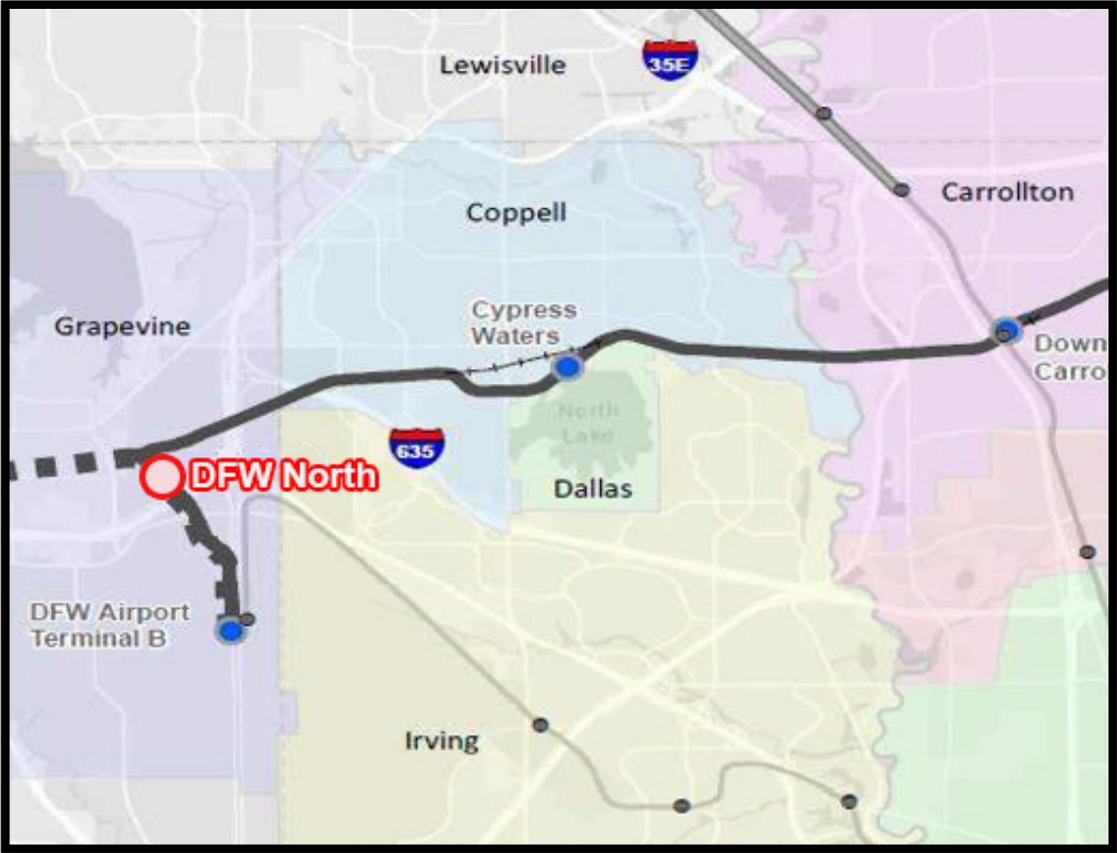
The Silver Line Art & Design Program includes

- 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
- Station enhancements have been completed for:
  - **DFW North Station**
    - Theme: History, Agriculture & Transportation in vibrant colors
  - **Cypress Waters Station**
    - Theme: Open Spaces, Light, Wind and Water
- Community groups continue to work on designs for stations in Addison, Carrollton, Plano and Richardson

# DFW North Station



# DFW North Station



## Station Facts

Platform Type: Center  
Parking Spaces: 362 (Shared)  
Bus Bays: 4 (Shared)  
Bus Routes: 1

Projected Daily Ridership:  
Opening Day: 800  
2040: 1,320

### Mode of Access:

Rail Transfer: 57%  
*80% of rail transfers are riders from TEXRail  
boarding Silver Line to continue east*  
Bus Transfer: 10%  
Drive: 27%  
Walk: 6%

## Station Benefits

- Airport mixed use development plans
- Transfer opportunity with TEXRail outside of DFW Airport terminal area
- Shared parking

## Key Community Comments

- Supported by DFW Airport
- Supported by Fort Worth Transportation Authority
- Interest in Transit-Oriented Development

# DFW North Station



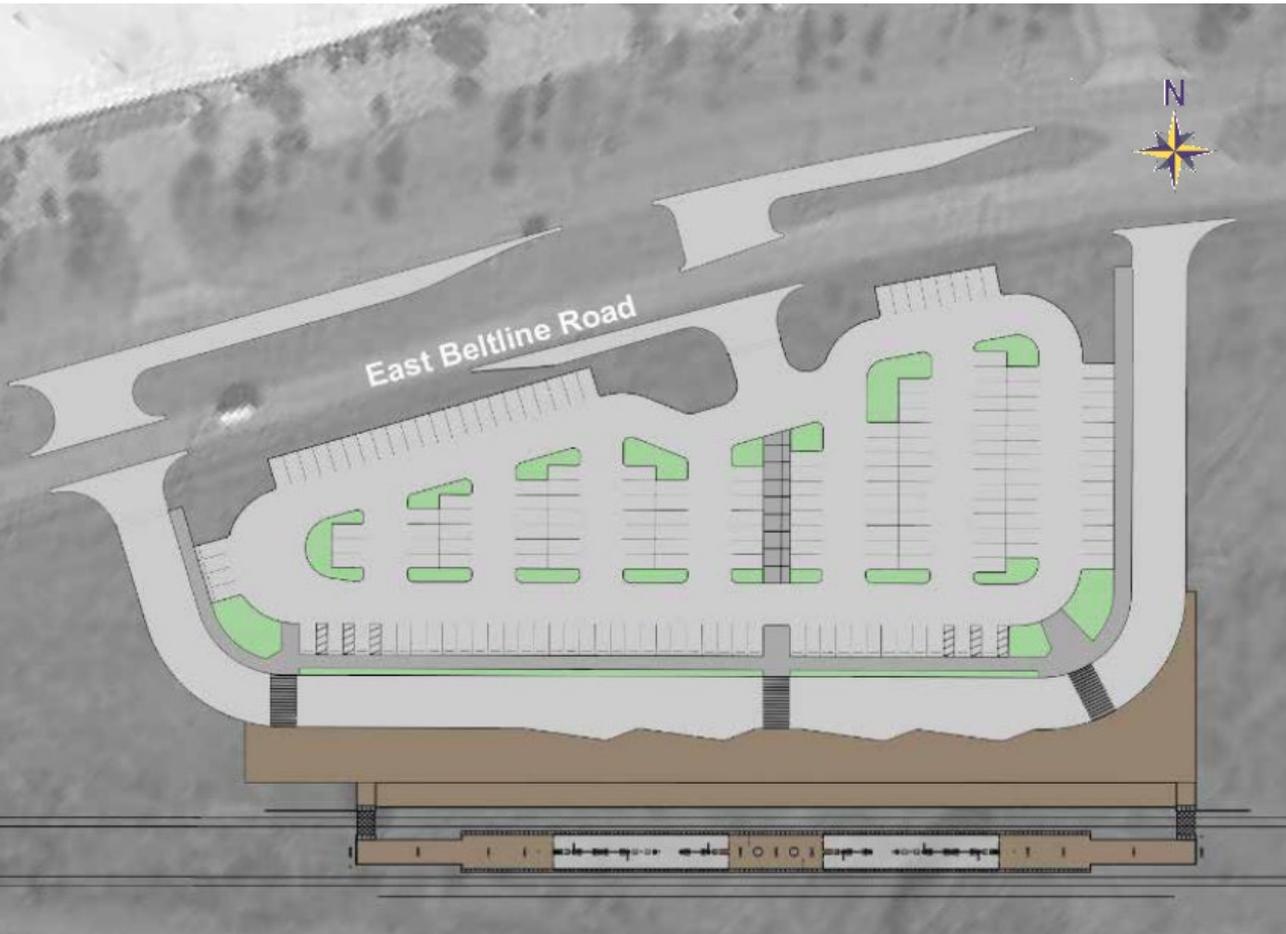
# DFW North Station



# Cypress Waters Station



# Cypress Waters Station



## Station Facts

Platform Type: Center

Parking Spaces: 199

Bus Bays: 4

Bus Routes: 2

Projected Daily Ridership:

Opening Day: 200

2040: 910

Mode of Access:

Bus Transfer: 17%

Drive: 36%

Walk: 47%

## Station Benefits

- Transit-Oriented Development opportunity
- Serves Cypress Waters via pedestrian trails and bus network
- Large employment centers in area
- Provides opportunity for station in DART Service Area

## Key Community Comments

- Supported by City of Coppell Council Resolution
- Supported by City of Dallas
- Supported by Cypress Waters developer
- Coppell citizen support for station

# Cypress Waters Station



# Cypress Waters Station



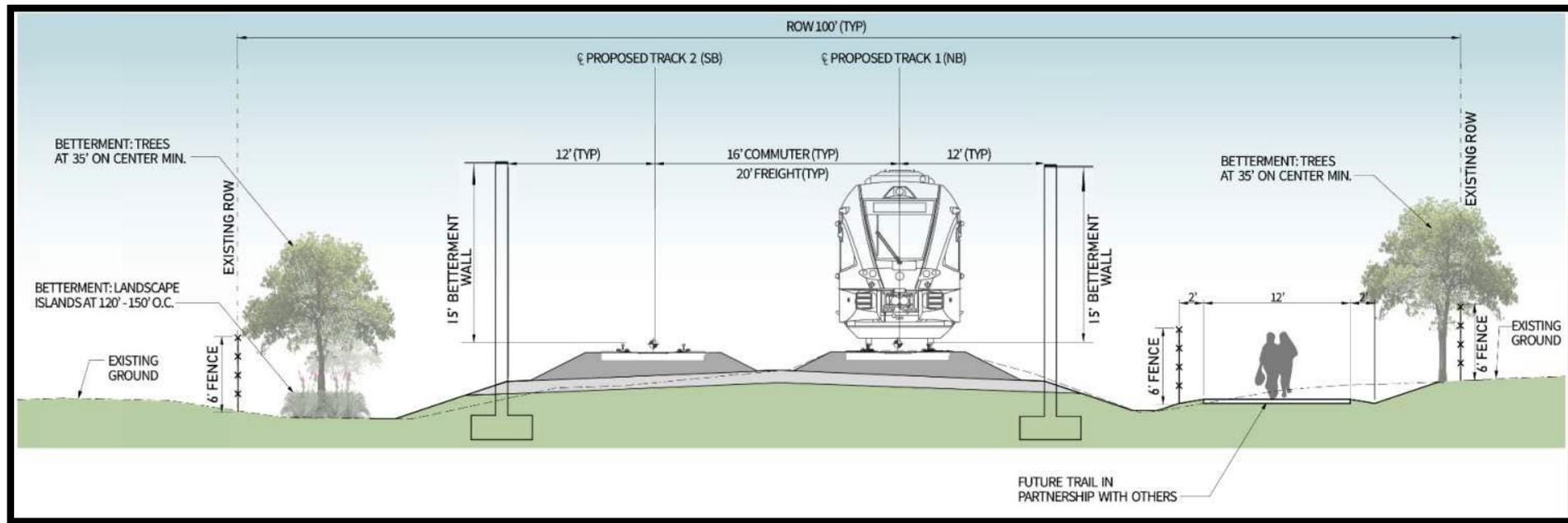
# Hike & Bike Trail

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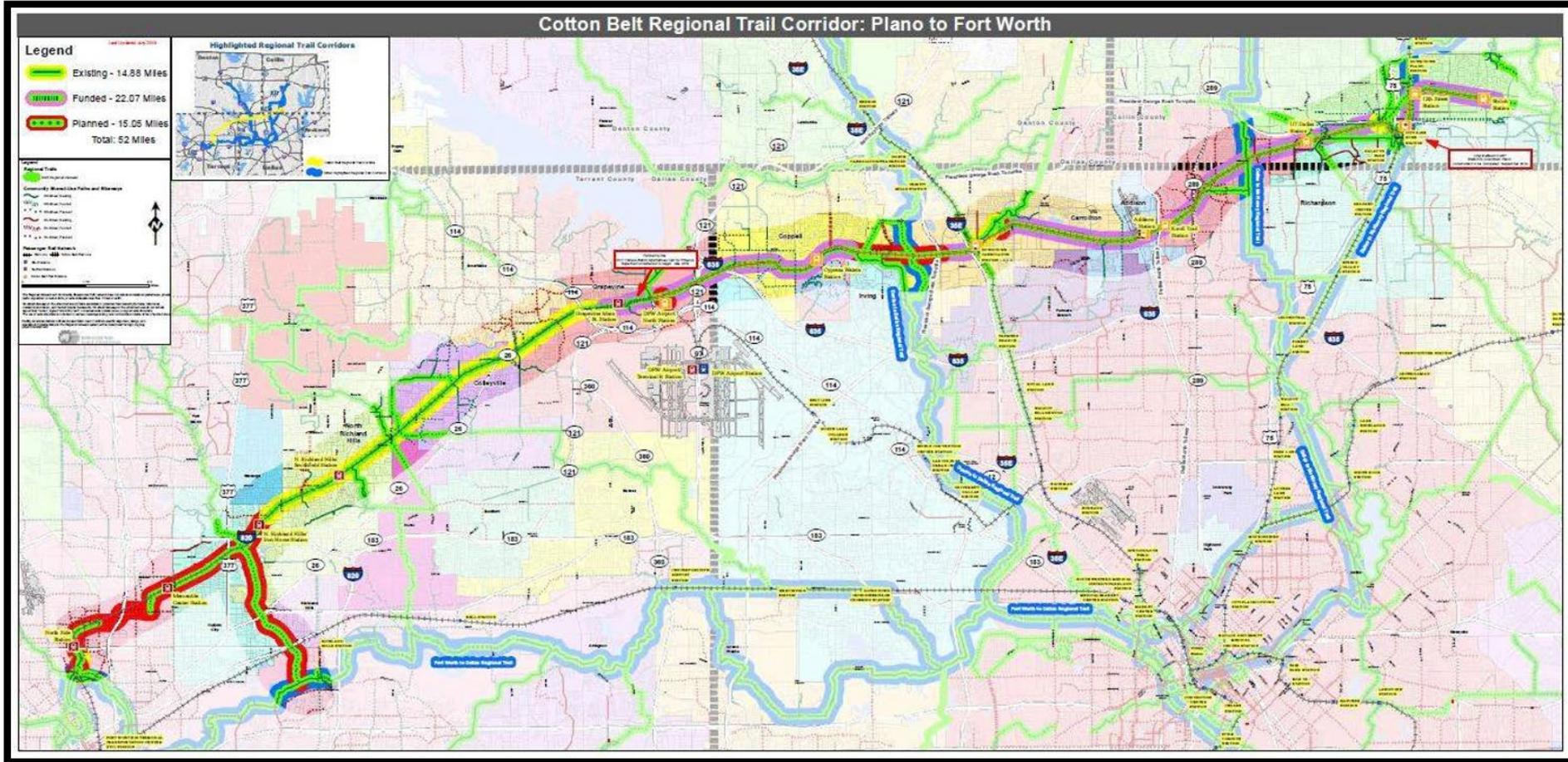
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- The Hike & Bike Trail is being funded through an Interlocal Agreement with the North Central Texas Council of Governments (NCTCOG)
- NCTCOG is working with participating cities to develop the project
- DART will complete final design of the Cotton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

Kevin Kokes

[KKokes@nctcog.org](mailto:KKokes@nctcog.org)

817-695-9275

## City of Coppell

Traci Leach

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972-304-3672

## City of Dallas

Gus Khankarli

[Ghassan.Khankarli@dallascityhall.com](mailto:Ghassan.Khankarli@dallascityhall.com)

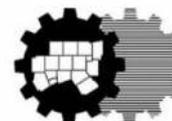
214-671-9957

## City of Dallas Parks & Recreation Department

Jared White

[Jared.White@dallascityhall.com](mailto:Jared.White@dallascityhall.com)

214-670-4090



North Central Texas  
Council of Governments



# Silver Line Vehicle Information

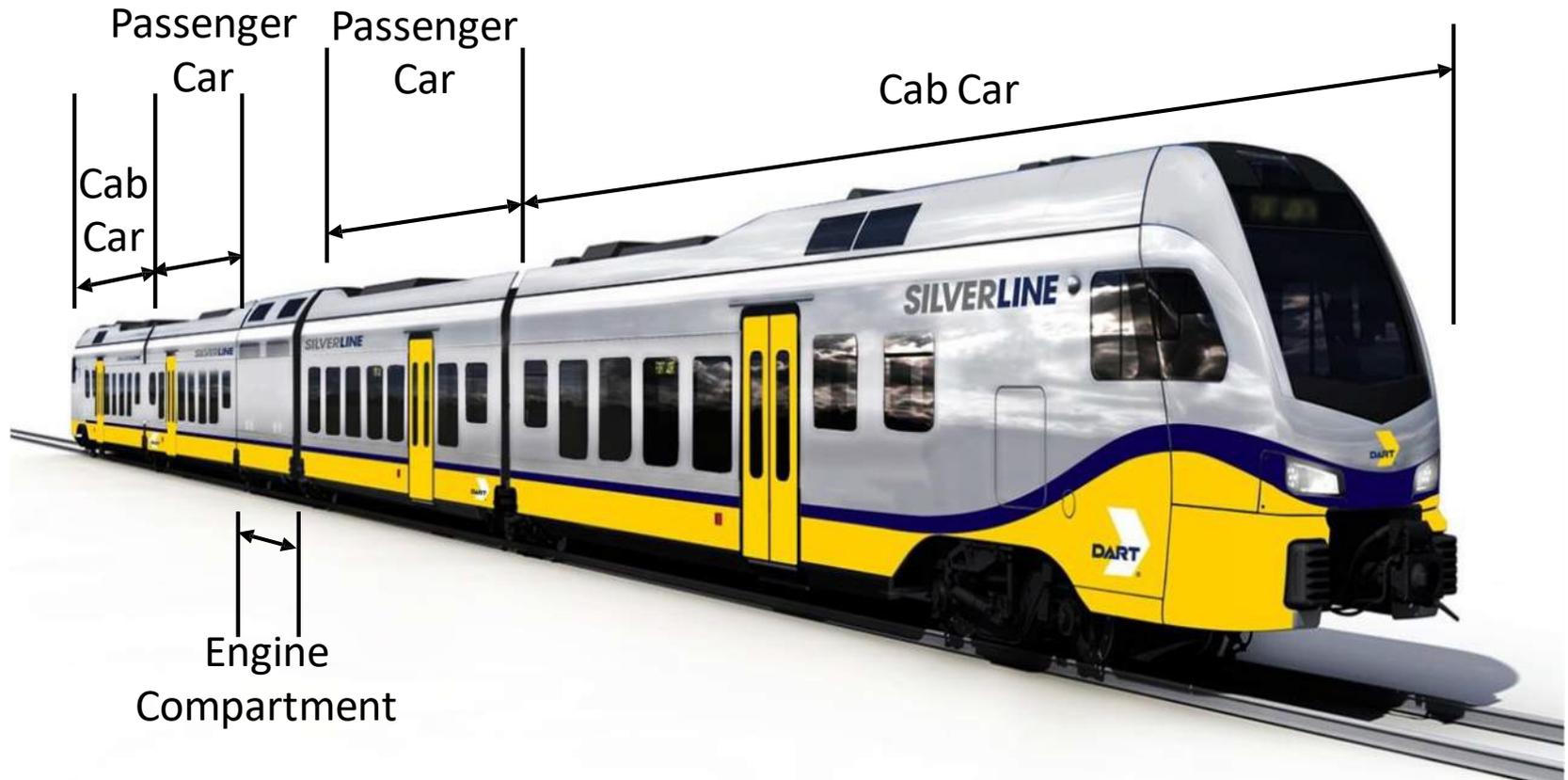
# Vehicle Information

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- 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

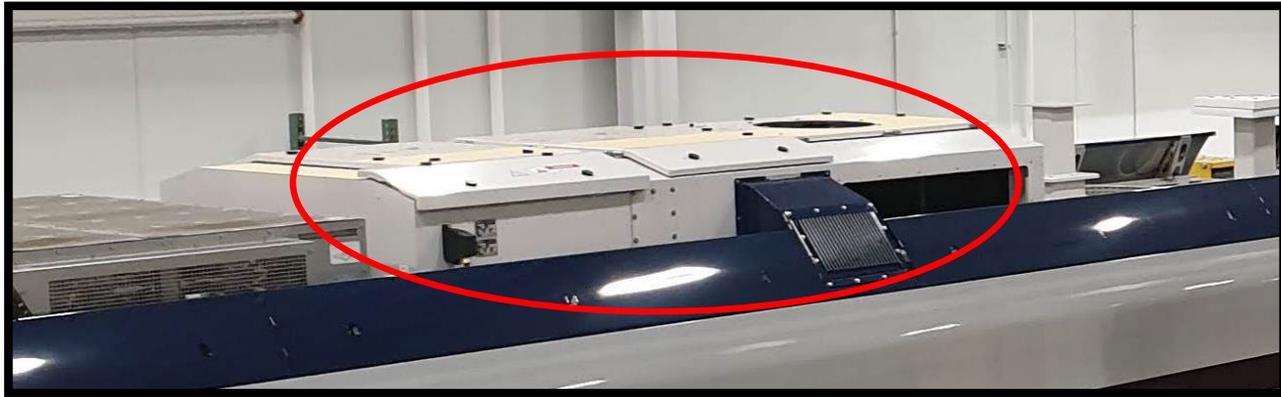


# Vehicle Overview



# 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.



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

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