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

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

Attend meetings regularly

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

DART HOTLINE 972-833-2856

Mail your Community Engagement Representative
DART Community Engagement Representative

Chris Walters
CottonBelt@DART.org
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
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
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

- 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.

6. **SEE AND BE SEEN**
   Make eye contact with construction vehicles before crossing.

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.

9. **BE ON THE LOOKOUT**
   Watch out for falling objects, moving vehicles and other hazards.

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 20\textsuperscript{th}
- Mailed ballots to Residential Adjacent Property Owners

Friday, December 20\textsuperscript{th}
- Deadline for collection of ballots

Monday, December 23\textsuperscript{rd}
- Confirm consensus for all neighborhoods

Tuesday, February 11\textsuperscript{th}
- 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:
  o UT Dallas Station
  o CityLine/Bush Station
  o 12th Street Station
  o 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

Center Platform Configuration
Silver Line Basic Station Concept

Side Platform Configuration
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

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

North Central Texas Council of Governments
Kevin Kokes
KKokes@nctcog.org
817-695-9275

City of Richardson
Jessica Shutt
Jessica.Shutt@cor.gov
972-744-4320

City of Plano
Christina Sebastian
ChristinaS@plano.gov
972-941-7151
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

Passenger Car

Cab Car

Passenger Car

Engine Compartment

Cab Car
Vehicle Overview - Exterior

HVAC Enclosure
Vehicle Overview - Exterior

Wheel Skirts
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

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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