Welcome! We Will Begin Momentarily

Please submit all questions and comments via the chat room.

If you have called into this meeting and wish to submit questions or comments please email CottonBelt@DART.org.

If we do not respond to your question/comments 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
Notice

Audio and Video Recording in Progress
DART Community Engagement Representative

Chris Walters
CottonBelt@DART.org
214-749-3280
COVID-19 Update

Due to the current pandemic, all public involvement sessions will take place via video conference.

DART urges you to follow the guidelines from the Centers for Disease Control and Prevention (CDC) to keep your family healthy and safe.

Stay up to date by attending public involvement sessions online, signing up for construction alerts, visiting DART.org/SilverLine or calling 214-749-2543.
How To Stay Informed

- Visit [www.DART.org/SilverLine](http://www.DART.org/SilverLine)
- Email [CottonBelt@DART.org](mailto:CottonBelt@DART.org)
- Attend meetings virtually
  
  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
Questions and Answers

Please submit all questions and comments via the chat room. Questions will be reviewed by our Team and a response will be prepared for the end of the presentation.

If a more detailed response is required, it will be responded to within 30 days of receipt.

If you have called into this meeting and wish to submit questions or comments please email CottonBelt@DART.org.

Thank You
DART Silver Line Project Facts

- $1.266 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)
- March 2023 Revenue Service
Silver Line Project Update

- The design-build status for Silver Line is 65% complete as of August 1, 2020.

- The Silver Line vehicle design is 90% complete as of August 1, 2020.

- The Equipment Maintenance Facility (EMF) design is at 65% complete as of August 1, 2020.
DART Silver Line Segment Map

Silver Line Regional Rail Project
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

<table>
<thead>
<tr>
<th>Year</th>
<th>Q1</th>
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<th>Q4</th>
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<tbody>
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<td>2019</td>
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- Design/Build: Overall Final Design and Construction
- Design/Build: 30%
- Design/Build: 60%
- Design/Build: Final Design
- Design/Build: Construction
- Testing
- Revenue Service

August 2020
Design Update
US75 Bridge Design – Trapezoidal Arch / White Paint
Design Update
US75 Bridge Design – Trapezoidal Arch / White Paint
Design Update
US75 Bridge Design – Day Time
Construction Activity Update
Current Construction Update

• Dry Utility Relocation
• Design Survey & Surface Utility Investigation
• Schedules and Notification Deadlines
  – Lane Restrictions
  – Closures
  – Detours
Construction Update
Construction Update
Construction Update
Construction Update

Jul 12, 2020
Construction Update
Construction Update
Upcoming Construction Activity

Construction Equipment

- Front-end Loader
- Trackhoe Excavator
- Bobcat
- Blade Grader
- Track Loader
- Backhoe
- Crane

*NOT AN ALL-INCLUSIVE LIST*
Upcoming Construction Activity

• Schedules and Notification Deadlines
  – Lane Restrictions
  – Closures
  – Detours
• Wet & Dry Utility Relocation
• Excavation and Embankment
• Clearing and Grubbing
• Retaining Walls
• Bridge Structures
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 (MOT)

- 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: 972-833-2856
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

- DART Silver Line crossings in residential areas 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 type of protection will be determined during design of the intersection
Betterments Program
Richardson City-Led Betterments Program
Alignment Map
Richardson City-Led Betterments Program
Alignment Map
Richardson City-Led Betterments Program
Alignment Map, Walls and Landscape

Enhanced Pavers at Trail Crossing

Extend Tall Wall 200’ East (15’ Betterment Wall)

Additional Trees

Add Trail Connection

Living Hedge

Add Missing Sidewalks @ Renner (1100 LF)
Richardson City-Led Betterments Program
Alignment Map, Walls and Landscape

- Enhanced Custer Road Bridge
- Betterment Wall Included
- Enhanced Pavers at Trail Crossing
Richardson City-Led Betterments Program
Alignment Map

Add Missing Sidewalk
Richardson City-Led Betterments Program Alignment Map

- Enhanced Pavers at Trail Crossing
- Add Missing Sidewalk
Richardson City-Led Betterments Program
Alignment Map
Richardson City-Led Betterments Program
Alignment Map

Enhanced Pavers for Street Crossing and Additional Landscape

Aura One90 Plano
Richardson City-Led Betterments Program
Platform Tree Vegetation Options

- Bald Cypress
- Red Oak
- Chinese Pistache
Richardson City-Led Betterments Program
Shade Tree Vegetations Options

Lace Bark Elm

Honey Locust

Chinese Pistachie
Richardson City-Led Betterments Program
Ornamental Tree Vegetation Options

Little Gem Magnolia  Desert Willow  Eve’s Necklace
City-Led Betterments Program
- Large Shrub Vegetation Options

- Nellie R Stevens Holly
- Texas Sage
- Standard Nandina
City-Led Betterments Program
- Utility Approved Large Shrub Vegetation Options

American Beautyberry

Dwarf Yaupon Holly
City-Led Betterments Program
- Small Shrub Vegetation Options

- Mexican Feather Grass
- Deer Muhly
- Red Yucca
City-Led Betterments Program
- Utility Approved Small Shrub Vegetation Options

Carrisa Holly

Sunshine Ligustrum

Compact Nandina

Abelia
City-Led Betterments Program
- Ground Cover Vegetation Options

Purple Winter Creeper  Vinca  Asian Jasmine
City-Led Betterments Program
- Utility Approved Ground Cover Vegetation Options

Protstrate Rosemary

Liriope

Asian Jasmine
City-Led Betterments Program
-Vine Vegetation Options

Coral Honey Suckle

Carolina Jessamine

Virginia Creeper
Consensus Results are as follows:

- AuraOne 90 Plano
  - 1 out of 1 Votes Received
  - 15' Betterment Wall

- Ezekial Way
  - 1 out of 14 Votes Received
  - 15' Betterment Wall

Previous Betterment Workshops were held on the following dates:

- Workshop #1 – March 28, 2019
- Workshop #2 – September 26, 2019
- Workshop #3a – October 10, 2019
- Workshop #3b – November 7, 2019
- Workshop #4 – July 1, 2020
Plano Betterments Program
Aura One90
Plano Betterments Program
Aura One90 - South
Plano Betterments Program
Aura One90 - North
Plano Betterments Program
Alignment Map

- 12th Street Station - Elevated
- 12th Street Station – At-Grade
Plano Betterments Program
Alignment Map
Plano Betterments Program
Alignment Map
Plano Betterments Program
Ezekial Way
Plano Betterments Program
Alignment Map
Plano Betterments Program
Alignment Map
DART Station
Art & Design Program
Richardson Art & Design Program
UT Dallas Station
Richardson Art & Design Program

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 City of Richardson
• Supported by UT Dallas
• Seen as a compliment to planned development
• Serves future students but not current students
Richardson Art & Design Program
UT Dallas Station
Richardson Art & Design Program
UT Dallas Station
Richardson Art & Design Program
UT Dallas Station
Richardson Art & Design Program
UT Dallas Station
Richardson Art & Design Program
CityLine/Bush Station
Richardson Art & Design Program

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
Richardson Art & Design Program
CityLine/Bush Station
Richardson Art & Design Program
CityLine/Bush Station
Richardson Art & Design Program
CityLine/Bush Station
Richardson Art & Design Program
CityLine/Bush Station
Plano Art & Design Program

12th Street Station
Plano Art & Design Program

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
Plano Art & Design Program

12th Street Station
Plano Art & Design Program
12th Street Station
Plano Art & Design Program
12th Street Station
Plano Art & Design Program

12th Street Station
Plano Art & Design Program
12th Street Station Pedestrian Connection
Plano Art & Design Program
12th Street Station Pedestrian Connection
Plano Art & Design Program
12th Street Station Pedestrian Connection
Plano Art & Design Program
12th Street Station Pedestrian Connection
Plano Art & Design Program

12th Street At-Grade Station
Plano Art & Design Program
12th Street At-Grade Station
Plano Art & Design Program

12th Street At-Grade Station
Plano Art & Design Program
12th Street At-Grade Station
Plano Art & Design Program
Shiloh Road Station
Plano Art & Design Program
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
Plano Art & Design Program
Shiloh Road Station
Plano Art & Design Program
Shiloh Road Station
Plano Art & Design Program
Shiloh Road Station
Plano Art & Design Program
Shiloh Road Station
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
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

- Automatic Passenger Counters (APC)
- Vehicle Business System (VBS)
- Closed Circuit Television System (CCTV)
- Number of seats per vehicle: 230
Vehicle Overview

*Single Vehicle
Vehicle Overview - Exterior

HVAC Enclosure
Vehicle Overview - Exterior

Wheel Skirts

WHEEL SKIRT EXAMPLE
(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

*Vehicles are level boarding to accommodate easy access of wheelchairs, bicycles, luggage and etc.
Vehicle Frequency

- Weekday service is currently scheduled 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.
- 30-minute peak and 60-minute non-peak
How To Stay Informed
How To Stay Informed

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DART Community Engagement Representative

Chris Walters
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Thank You For Joining Us!

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This Meeting Has Concluded