Dallas Area Rapid Transit (DART) Silver Line Project

Quarterly Community Meeting – City of Richardson
Tuesday, March 2, 2021
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 SilverLine@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
SilverLine@DART.org
214-749-2835
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.
How To Stay Informed

Visit www.DART.org/SilverLine

Email SilverLine@DART.org

Attend meetings virtually

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

DART HOTLINE
972-833-2856

Mail your Community Engagement Representative
Questions and Answers

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Thank You
Project Facts
DART Silver Line Segment Map

Silver Line Regional Rail Project
DART Silver Line Project Facts

- $1.266 Billion Design-Build Project
- 26-Mile alignment serving the 7 cities:
  - Addison
  - Carrollton
  - Coppell
  - Dallas
  - Grapevine
  - Plano
  - Richardson
- 10 Rail stations
- 4 Rail connections (Green, Orange, Red Light Rail, TEXRail)
- June 2023 Revenue Service
- Design-build for Silver Line is 72% complete as of March 1, 2021
- Silver Line vehicle design is 100% complete as of October 22, 2020
Design-Build Update
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 Builder – Archer Western Herzog (AWH)
- Owner – Dallas Area Rapid Transit (DART)
Design-Build Schedule

- Design/Build: Overall Final Design and Construction
- Design/Build: 30%
- Design/Build: 60%
- Design/Build: Final Design
- Design/Build: Construction
- Testing
- Revenue Service

March 2021
Design-Build Update
US75 Bridge Design – Trapezoidal Arch / White Paint
Design-Build Update
US75 Bridge Design – Trapezoidal Arch / White Paint
Design-Build Update
US75 Bridge Design
Design-Build Update
Renner Rd. Intersection
Design-Build Update
Renner Rd. Intersection
Design-Build Update

Custer Pkwy. Intersection (Standard Rail)
Design-Build Update
Custer Pkwy. Intersection (Enhanced Rail)
Design-Build Update
Custer Pkwy. Intersection (Standard Rail)
Design-Build Update
Custer Pkwy. Intersection (Enhanced Rail)
Design-Build Update
UT Dallas Station

Station Facts
Platform Type: Side
Parking Spaces: 249
Bus Bays: 5
Bus Routes: 3

Projected Daily Ridership:
Opening Day: 700
2040: 1,205

Mode of Access:
Rail: 5%
Bus Transfer: 62%
Drive: 15%
Walk: 18%

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
Design-Build Update
UT Dallas Station
Design-Build Update

UT Dallas Station
Design-Build Update
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UT Dallas Station
Design-Build Update
UT Dallas Station
Design-Build Update
UT Dallas Station
Design-Build Update

UT Dallas Station
Design-Build Update
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: 1,240

Mode of Access:
Rail Transfer: 64%
Bus Transfer: 10%
Drive: 13%
Walk: 13%

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
Design-Build Update

CityLine/Bush Station
Design-Build Update
CityLine/Bush Station
Design-Build Update
CityLine/Bush Station
Design-Build Update
CityLine/Bush Station
Design-Build Update
CityLine/Bush Station
Design-Build Update
CityLine/Bush Station
Design-Build Update
CityLine/Bush Station
Betterments Program Update
Betterments Program Results
Neighborhood S1de - 02589 Tan / Bush Hammer
Betterments Program Results
Trackside – 1082D Tan / Bush Hammer
Questions and Answers

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Thank You
Veloweb Hike & Bike Trail
Veloweb Hike & Bike Trail

- The Veloweb Hike & Bike Trail is being funded by North Central Texas Council of Governments (NCTCOG)
- NCTCOG is working with participating cities to develop the project
- DART will complete final design of the Veloweb Hike & Bike Trail
Veloweb Hike & Bike Trail Map
Veloweb Hike & Bike Trail
Typical Cross Section Hike and Bike Trail on One Side
Veloweb Hike & Bike Trail Questions

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
Silver Line Vehicle Information
Silver Line Vehicle Information

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

Overview

*Single Vehicle
Silver Line Vehicle Information
Overview - Interior

INTERIOR SEATING

ENTRANCE AREA
Silver Line Vehicle Information
Overview - Interior

INTERIOR LIGHTING

OVERHEAD LUGGAGE CARRIERS
Silver Line Vehicle Information
Overview - Interior

WHEELCHAIR ACCOMMODATION

BICYCLE RACKS

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

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
Silver Line Vehicle

Vehicle 1 A Cab Carbody
Silver Line Vehicle

Vehicle 1 B Cab Carbody
Silver Line Vehicle

Vehicle 1 Power Pack
Silver Line Vehicle

Vehicle 1 B Cab Carbody
Silver Line Vehicle

Vehicle 1 B Cab Carbody
Silver Line Vehicle

Vehicle 1 D Cab Carbody
Quiet Zones & Sound Mitigation
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, the Federal Railroad Administration (FRA), the freight railroads and DART

• The type of protection will be determined during design of the intersection
# Quiet Zones

## Quiet Zone Crossings - Richardson

<table>
<thead>
<tr>
<th>STREET</th>
<th>CITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waterview Parkway (Existing)</td>
<td>Richardson</td>
</tr>
<tr>
<td>Rutford Drive</td>
<td>Richardson</td>
</tr>
<tr>
<td>Alma Road (Existing)</td>
<td>Richardson</td>
</tr>
<tr>
<td>West CityLine Drive</td>
<td>Richardson</td>
</tr>
<tr>
<td>President George Bush Turnpike (EB)</td>
<td>Richardson/Plano</td>
</tr>
<tr>
<td>President George Bush Turnpike (WB)</td>
<td>Plano</td>
</tr>
</tbody>
</table>
Sound Mitigation
Vehicle Noise Control / Infrastructure and Operational Noise Control Measures

<table>
<thead>
<tr>
<th>FEIS Mitigation Measures:</th>
<th>Additional Noise Reduction Measures:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precast Concrete Reflective Sound Wall – Track and Neighborhood Side</td>
<td>Durisol Absorptive Sound Wall Enhancement – Track Side Only</td>
</tr>
<tr>
<td>12' Sound Wall</td>
<td>15' Sound Wall / Betterment Wall – 3’ foot increase</td>
</tr>
<tr>
<td>Quiet Zones at Rail Crossings in Residential Areas</td>
<td>Vehicle wheel skirts, HVAC enclosure (Baffler) and variable speed cooling fans</td>
</tr>
<tr>
<td>Directional Electronic Crossing Warning Bells will be at 7 locations (5 in Dallas)</td>
<td>Vehicle is quieter than initially assumed in the noise analysis</td>
</tr>
<tr>
<td></td>
<td>Directional Electronic Crossing Warning Bells will be used at all at-grade crossings</td>
</tr>
<tr>
<td></td>
<td>Betterment walls added in locations that do not meet the warrants for noise mitigation</td>
</tr>
</tbody>
</table>

Note: Sound walls are required under the FEIS. Betterment walls are not required in FEIS and are selected by Residentially Adjacent Property Owners (RAPOs).
Construction Update
### Construction 90-Day Schedule

<table>
<thead>
<tr>
<th>CITY OF RICHARDSON</th>
<th>Type of Work</th>
<th>Expected Duration of Work</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>March</td>
</tr>
<tr>
<td>Civil</td>
<td>No Activity</td>
<td>1-6</td>
</tr>
<tr>
<td>Rail</td>
<td>Rail Delivery</td>
<td>7-13</td>
</tr>
<tr>
<td>Stations</td>
<td>UTD Station</td>
<td>14-20</td>
</tr>
<tr>
<td></td>
<td>CityLine Bush Station</td>
<td>21-27</td>
</tr>
<tr>
<td>Structures</td>
<td>No Activity</td>
<td>28-31</td>
</tr>
<tr>
<td>Systems/Electrical</td>
<td>No Activity</td>
<td></td>
</tr>
<tr>
<td>Traffic</td>
<td>No Activity</td>
<td></td>
</tr>
<tr>
<td>Utilities</td>
<td>ATMOS Relocation at Custer Rd.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>One Global at Custer Rd.</td>
<td></td>
</tr>
</tbody>
</table>

* Permits have not been submitted. These are projected dates for closures. Proper construction notifications will be sent out.

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For all questions, comments and concerns, please email the DART Silver Line Project Team at SilverLine®DART.org

DART Silver Line Construction 90-Day Schedule | AWH/DART Silver Line Project Construction Hotline - 972.833.2856
Construction Update

- Dry utility relocation
- Design survey and surface utility investigation
- Freight rail removal
- Silver Line rail delivery and off loading
- Grubbing and clearing
- Schedule and notification:
  - Lane restrictions
  - Closures
  - Detours
Construction Update

Removing forms from crash wall at Preston Road Bridge
Construction Update

Welding pipe for Explorer's new pipeline at North Dallas Tollway and Knoll Trail

Jan 5, 2021
Construction Update

Grinding material cleared at White Rock Creek near Knoll Trail
Construction Update

Unloading H-piles from rail car at New Mercer Yard in Carrollton
Construction Update

Compacting soil and inserting dowels in preparation of paving pour in Plano
Construction Update

Placement of fresh concrete over rock berm in Dallas
Construction Equipment

Front-end Loader

Trackhoe Excavator

Bobcat

Motor Grader

Track Loader

Backhoe

Crane

*NOT AN ALL-INCLUSIVE LIST*
Upcoming Construction Activity

Public Access

• Maintain business access
• Maintain home and 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 and Archer Western Herzog Project Websites
- DART Silver Line Project Newsletters
- DART Silver Line Project At-A-Glance Fact Sheets
- Quarterly Design and Construction Community Meetings
- Stakeholder Meetings with Businesses and Residents
- Project Hotline: 972-833-2856
Construction Notifications

- DART Silver Line Fact Sheets
  - DFW International Airport / City of Grapevine
  - City of Dallas / Coppell
  - City of Carrollton
  - Town of Addison
  - City of Richardson
  - City of Plano
Construction Safety

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 for falling objects, moving vehicles and other hazards.

10. **START TALKING**
    Safety begins with you. Talk to your family.
School Outreach Update
Construction School Safety

School Districts

- Richardson ISD
  - All schools
Construction School Safety – Map

LEGEND

- DART Silver Line Stations
- Plano ISD Schools and Offices
- Richardson ISD Schools and Offices
- Track Alignment

- Aldridge Elementary: 720 Pleasant Valley Ln.
- UTD: 800 W Campbell Rd.
- 12th Street Station: 1199 12th St.
- CityLine/Bush Station: 3675 Routh West Dr.
- UT Dallas/Synergy Park Station: 702 Synergy Park Blvd.
- Knoll Trail Station: 10430 Knoll Trail Dr.
- Addison Station: 4920 Arapaho Rd.

President George Bush Turnpike

Dallas North Tollway

US 75

Frankford Rd.

DART let's go.
Construction School Safety Program

- Communicate construction updates and safety information directly with Richardson ISD staff
- Participate in school and community events with Richardson ISD to promote transit safety and awareness campaigns
- Provide transit education material, resources, and programs to students, parents, and staff at Richardson ISD through online curriculums, virtual presentations, and virtual tours of the DART System
- Offer interactive and virtual Career Day Programs to Richardson ISD students and teachers, focusing on Science, Tech, and Math (STEM) careers, educational background, and skills required for a career in public transportation
- Work to ensure each school building has pertinent DART/AWH contact information
- Establish proactive and conducive relationships with area school administrators to enhance communication flow
How To Stay Informed
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