Welcome!
The Meeting will Begin Momentarily
Questions and Answers

Please submit all questions and comments via the chat room. Questions will be reviewed by our Team and responds to at the end of the presentation.

Only construction related questions will be answered today. All other questions must be submitted to DART and will be responded to within 15 days of receipt.

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

Please note that we reserve the right to ban anyone who becomes unruly or causes problems during the community meeting.

Thank you for your support and participation.
Notice

Audio and Video Recording in Progress
Dallas Area Rapid Transit (DART) Silver Line Project

Bi-Annual Community Meeting – City of Richardson
Tuesday, July 27, 2021
DART Community Engagement Representative – City of Richardson

Chris Walters
SilverLine@DART.org
214-749-2835
Project Facts
DART Silver Line Segment Map

Silver Line Regional Rail Project
DART Silver Line Project Facts

- $1.899 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, and TEXRail)
- 4th Quarter 2024 Revenue Service
- Design-build for Silver Line is 74% complete as of June 1, 2021
- Silver Line vehicle design is 100% complete as of October 22, 2020
Design-Build Update
# Design-Build Update

## Project Schedule

### Design-Build Schedule

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<th>2019</th>
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<td>Design-Build: Overall Final Design and Construction</td>
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<td>Design-Build: 30%</td>
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<td>Design-Build: 60%</td>
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<td>Design-Build: Final Design</td>
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<td>Design-Build: Construction</td>
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<td>Testing</td>
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<td>Revenue Service</td>
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</table>

- **July 2021**
Veloweb Hike & Bike Trail Update
Velowell Hike & Bike Trail Update

Map
Veloweb Hike & Bike Trail Update

- 18,565 ft of trail or 3.52 miles in the City of Richardson
- Typical trail width is 12 feet with 2 feet shy zones on each side
- Pedestrian bridges are prefab metal bridges - 16 feet wide with H10 loadings
- 3 pedestrian bridges in the City of Richardson
- The trail crosses 5 streets
- Two DART Stations (UTD/Synergy Park and City Line/Bush) that connect to the trail
- The trail is at 30% design as of July 20, 2021
- The trail will connect to the City’s trail system
- Construction of the trail is set to begin after the Silver Line goes into operation in 2024
Veloweb Hike & Bike Trail Update

Typical Cross Section
Veloweb Hike & Bike Trail Questions

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

Dallas Area Rapid Transit
Keith D. von Kohn
kvonkohn@azb-engrs.com
817-915-3674

City of Richardson
Jessica Shutt
Jessica.Shutt@cor.gov
972-744-4320
Silver Line Vehicle Update
Silver Line Vehicle Update

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

Overview

*Single Vehicle
Silver Line Vehicle Update

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
Vehicle Update

Car Body after Painting
Vehicle Update

Car Body after Painting
Vehicle Update

Car Body after Painting
Vehicle Update

Car Body after Painting
Vehicle Update

Car Body in Final Assembly
Quiet Zones & Sound Mitigation Update
# Quiet Zones

## Quiet Zone Crossings - Richardson

<table>
<thead>
<tr>
<th>STREET</th>
<th>CITY</th>
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</thead>
<tbody>
<tr>
<td>Waterview Parkway (Existing)</td>
<td>Richardson</td>
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<tr>
<td>Rutford Drive</td>
<td>Richardson</td>
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<tr>
<td>Alma Road (Existing)</td>
<td>Richardson</td>
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<tr>
<td>West CityLine Drive</td>
<td>Richardson</td>
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<tr>
<td>President George Bush Turnpike (EB)</td>
<td>Richardson/Plano</td>
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<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>
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<tr>
<td>Quiet Zones at Rail Crossings in Residential Areas</td>
<td>Vehicle wheel skirts, HVAC enclosure (Baffler) and variable speed cooling fans</td>
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<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>
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<td>Directional Electronic Crossing Warning Bells will be used at all at-grade crossings</td>
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<td></td>
<td>Betterment walls added in locations that do not meet the warrants for noise mitigation</td>
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</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 Look Ahead Schedule

### CITY OF RICHARDSON

<table>
<thead>
<tr>
<th>Type of Work</th>
<th>JULY 1-10</th>
<th>JULY 11-17</th>
<th>JULY 18-24</th>
<th>JULY 25-31</th>
<th>AUGUST 1-7</th>
<th>AUGUST 8-14</th>
<th>AUGUST 15-21</th>
<th>AUGUST 22-31</th>
<th>AUGUST 23-29</th>
<th>SEPTEMBER 1-4</th>
<th>SEPTEMBER 5-11</th>
<th>SEPTEMBER 12-18</th>
<th>SEPTEMBER 19-25</th>
<th>SEPTEMBER 26-30</th>
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<td>Maintain Stormwater Prevention Protection Plan (SWPPP) Installation</td>
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<td>* Permits have not been submitted. These are projected dates for closures. Proper construction notifications will be sent out.</td>
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<td>*ATMOS Relocation at Custer Road</td>
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<td>**Explorer and Future at Waterview</td>
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<td>Future at PGBT (Pending Permits)</td>
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<td>* Contingent on approved permits/easement</td>
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<td>** Contingent on Rail Road Agreement</td>
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Due to the COVID-19 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 214-749-2835. For all questions, comments and concerns, please email the DART Silver Line Project Team at SilverLine@DART.org.
Construction Update
Construction Update

DART Silver Line Regional Rail Project
RICHARDSON: PERMANENT CLOSURE – PHASE 1/3 (Begins June 2021)

NEW LANE CONFIGURATION
- Turn right on Pipeline Dr.
- Turn left on W. Routh Creek Pkwy.

YELLOW/GREY
CITYLINE/BUSH SILVER LINE STATION

RED/ORANGE
CITYLINE/BUSH LRT STATION

WORK TIME:
7 a.m. - 6 p.m.

Updated 6.16.21
Construction Update
US75 Bridge Design – Trapezoidal Arch / White Paint
Construction Update
US75 Bridge Design – Trapezoidal Arch / White Paint
Construction Update
Renner Rd. Intersection
Construction Update

Renner Rd. Intersection
Construction Update
Custer Pkwy. Intersection (Enhanced Rail)
Construction Update
Custer Pkwy. Intersection (Enhanced Rail)
Construction 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
Construction Update
UT Dallas Station
Construction Update
UT Dallas Station
Construction Update
UT Dallas Station
Construction Update
UT Dallas Station
Construction Update
UT Dallas Station
Construction Update
UT Dallas Station
Construction Update
UT Dallas Station
Construction Update
UT Dallas Station
Construction Update
UT Dallas Station
Construction Update

UT Dallas Station

Setting cages for light pole foundation piers at UTD Station
Construction Update
UT Dallas Station

Electrical conduit for a light pole UTD Station platform
Construction Update
UT Dallas Station

Placement of pier concrete for 24-inch light pole foundation at UTD Station platform
Construction Update
UT Dallas Station

Setting drill shaft reinforced cage for light pole foundation at UTD Station
Construction 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
Construction Update
CityLine/Bush Station
Construction Update
CityLine/Bush Station
Construction Update
CityLine/Bush Station
Construction Update
CityLine/Bush Station
Construction Update
CityLine/Bush Station
Construction Update
CityLine/Bush Station
Construction Update
CityLine/Bush Station
Construction Update
CityLine/Bush Station

Drilling canopy drill shafts at the CityLine/Bush Station
Concrete placement for canopy pier at the CityLine/Bush Station
Construction Update
CityLine/Bush Station

Evacuating the casing from drill shaft at the Cityline/Bush Station
Construction Update
CityLine/Bush Station

Sampling concrete at the CityLine/Bush Station
Construction Update
CityLine/Bush Station

Drilling at the CityLine/Bush Station NB platform
Construction Update
CityLine/Bush Station

Placement of canopy drill shaft for out of spec concrete at the CityLine/Bush Station NB platform
Construction Update
CityLine/Bush Station

Installation of canopy drill shaft at the CityLine/Bush Station
Construction Information
Construction Equipment

Front-end Loader

Trackhoe Excavator

Bobcat

Motor Grader

Track Loader

Backhoe

Crane

*NOT AN ALL-INCLUSIVE LIST*
Construction Activity

Public Access

- Maintain business access
- Maintain home and community access
- Maintain access for emergency vehicles
- Maintain pedestrian access
Construction Activity

Maintenance of Traffic

- Schedules and notification deadlines
- Lane restrictions
- Closures
- Detours
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; 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.
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
- Bi-Annual 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
Community Outreach Update
Community Outreach Update

Community Meetings

- Meeting requests are welcomed and encouraged from:
  - HOA’s, Community Groups and Residential Stakeholders
  - Chambers, Advocacy Organizations, Business Groups, etc.
  - Daycares, Educational Centers, Public and Private Schools
- To schedule an outreach meeting, please contact your Community Relations Representative, Chris Walters
Community Outreach Update
Project Newsletter

Opening Doors and Broadening Transit Accessibility
DART Connects Plano to Fort Worth

Addison, Carrollton, Coppell, Dallas, Grapevine, Plano and Richardson connect to broaden transit accessibility and encourage communities to walk more and drive less. This 26-mile corridor will open doors to many businesses and various hidden gems between Shiloh Road in Plano and DFW International Airport.

This corridor will open doors to many businesses in the area. The alignment traverses seven cities: Addison, Carrollton, Coppell, Dallas, Grapevine, Plano and Richardson. The 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 Silver Line Project will 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 will connect to Trinity Metro TEXRail to Fort Worth.

The Silver Line Project will have a total of ten uniquely designed stations along its 26-miles, attracting dense, continued on page 3
School Outreach Update
School Outreach Update

Safety Program

• Communicate construction updates and safety information directly with all School District Offices near the Silver Line

• Work directly with schools and campuses within walking distance of the Silver Line to schedule Safety Programs and Outreach Events over the Summer and Fall for 2021 with the Silver Line Team and DART Transit Education Staff

• Participate in Back-to-School Events involving Students, Parents, or Teachers for all School Districts near the Silver Line for Fall 2021
School Outreach Update
School Map
School Outreach Update

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
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

If you still have questions or comments, please submit them via chat now. If you have called into this meeting, please email SilverLine@DART.org

We will respond to your questions and/or comments within 15 days of receipt. Your questions and answers will then be posted on www.DART.org/SilverLine
Thank You For Joining Us!

This Meeting Has Concluded