Dallas Area Rapid Transit (DART) Silver Line Project
Quarterly Community Meeting – City of Dallas
Thursday, March 4, 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](http://www.DART.org/SilverLine)
- Email SilverLine@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

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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

<table>
<thead>
<tr>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q1</td>
<td>Q2</td>
<td>Q3</td>
<td>Q4</td>
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</tr>
</tbody>
</table>

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
Knoll Trail Station

Station Facts
- Platform Type: Side
- Parking Spaces: N/A
- Bus Bays: N/A
- Bus Routes: 1

Projected Daily Ridership:
- Opening Day: 500
- 2040: 530

Mode of Access %
- Rail: 2%
- Bus: 6%
- Drive: 8%
- Walk: 85%

Station Benefits
- Proximity to high density residential north and south of station
- Arterial access and proximity to DNT
- Walk distance to Prestonwood Town Center

Key Community Comments
- Supported by City of Dallas
- Good citizen support with limited opposition
- Some concern for lack of parking
- Some concern too close to Addison Station
Design-Build Update
Knoll Trail Station
Design-Build Update
Knoll Trail Station
Design-Build Update
Knoll Trail Station
Design-Build Update
Knoll Trail Station
Design-Build Update
Knoll Trail Station
Design-Build Update
Knoll Trail Station
Betterments Program Update
Betterments Program Results

- Thank you for your participation in the Betterments Program process
- To confirm wall size, color and finish for your neighborhood, please visit DART.org/SilverLine
- Public Involvement for landscape selection coming in Spring/Summer 2021
Betterments Program Ballot Results

Neighborhood Side
Betterments Program Ballot Results

Trackside
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 Dallas
Gus Khankarli
Ghassan.Khankarli@dallascityhall.com
214-671-9957

City of Dallas Parks & Recreation Department
Jared White
Jared.White@dallascityhall.com
214-670-4090
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 - Dallas

<table>
<thead>
<tr>
<th>STREET</th>
<th>CITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Future Cypress Waters Crossing</td>
<td>Dallas/Coppell</td>
</tr>
<tr>
<td>Dallas Parkway (SB)</td>
<td>Dallas/Addison</td>
</tr>
<tr>
<td>Dallas Parkway (NB)</td>
<td>Dallas/Addison</td>
</tr>
<tr>
<td>Knoll Trail Drive</td>
<td>Dallas</td>
</tr>
<tr>
<td>Davenport Road (North)</td>
<td>Dallas</td>
</tr>
<tr>
<td>Campbell Road</td>
<td>Dallas</td>
</tr>
<tr>
<td>Davenport Road (South)</td>
<td>Dallas</td>
</tr>
<tr>
<td>McCallum Boulevard</td>
<td>Dallas</td>
</tr>
<tr>
<td>Meandering Way</td>
<td>Dallas</td>
</tr>
<tr>
<td>Dickerson Street</td>
<td>Dallas</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>Maximum speed of 45-mile per hour in North Dallas ONLY</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 DALLAS</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></td>
<td></td>
<td>1-6</td>
</tr>
<tr>
<td>Civil</td>
<td>Stormwater Prevention Protection Plan (SWPPP) Installation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Site &amp; Land Clearing - Guideway</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Site &amp; Land Clearing - Cypress Waters</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Excavation &amp; Embankment</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Retaining Walls</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Drainage Installation and Relocation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*Hillcrest &amp; McCallum Lane Detours</td>
<td></td>
</tr>
<tr>
<td>Rail</td>
<td>Haul Off Salvage Materials</td>
<td></td>
</tr>
<tr>
<td>Stations</td>
<td>*Knoll Trail Station</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*Cypress Waters Station</td>
<td></td>
</tr>
<tr>
<td>Structures</td>
<td>Preston Crash Wall</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*Trestle Bridge Demo/Construction</td>
<td></td>
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<tr>
<td></td>
<td>*Belt Line Rd. Bridge No. 7</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DNT Bridge</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*Knoll Trail MSE Wall</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*US 75 Bridge (Drill Shafts)</td>
<td></td>
</tr>
<tr>
<td>Systems/Electrical</td>
<td>*Coit and McCallum Signal Removal</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*Hillcrest &amp; Campbell Signal Removal</td>
<td></td>
</tr>
<tr>
<td>Traffic</td>
<td>Hillcrest Utility Relocation</td>
<td></td>
</tr>
<tr>
<td>Utilities</td>
<td>ATMOS Utility Conflict (Coit Rd.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Explorer Pipeline Knoll Trail Rd.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ATMOS Gas Line at Coit</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Explorer Pipeline at Hillcrest Rd.</td>
<td></td>
</tr>
</tbody>
</table>

*Scope contingent upon IFC plans and/or permit

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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
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 out for falling objects, moving vehicles and other hazards.

10. **START TALKING**
    - Safety begins with you. Talk to your family.

DART let’s go.

[Logo] Archer Western H2790
School Outreach Update
Construction School Safety

**School Districts**
- Dallas ISD and Richardson ISD

**Private Schools**
- Fairhill School
- Ivy Montessori School
Construction School Safety – Map

LEGEND

- DART Silver Line Stations
- Dallas ISD Schools, Offices and Private Schools
- Track Alignment

18 Harmony School of Business
19 Texas A&M Research & Extension Center at Dallas
20 Ivy Montessori Academy
21 Brentfield Elementary
22 Parkhill Junior High
23 Fairhill School
24 Frankford Middle School
25 All Saints Catholic School
26 Prinrose School of Prestonwood
27 George Herbert Walker Bush Elementary
47 UT Dallas/Synergy Park Station
48 Kool Trail Station
49 Addison Station

President George Bush Turnpike
Frankford Rd.
Dallas North Tollway

DART
let's go.

65
Construction School Safety Program

- Communicate construction updates and safety information directly with private schools, Dallas ISD and Richardson ISD
- Participate in school and community events with private schools, Dallas ISD, and Richardson ISD to promote transit safety and awareness campaigns
- Provide transit education material, resources, and programs to students, parents, and staff at private schools, Dallas ISD, and Richardson ISD through online curriculums, virtual presentations, and virtual tours of the DART System
- Offer interactive and virtual Career Day Programs to private schools, Dallas ISD, and 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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