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 responded to at the end of the presentation.

Any questions that cannot be answered tonight 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

Biannual Community Meeting – City of Coppell / Cypress Waters Waters
Thursday, March 3, 2022
DART Community Engagement Representative – City of Coppell / Cypress Waters

Carlos Huerta
SilverLine@DART.org
214-749-2721
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 Final Design for Silver Line is anticipated to be 100% in August 2022
- Silver Line vehicle design is 100% complete as of October 22, 2020
Design-Build Update
Design-Build Update

Project Schedule

Design-Build Schedule

<table>
<thead>
<tr>
<th></th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
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<tr>
<td></td>
<td>Q1</td>
<td>Q2</td>
<td>Q3</td>
<td>Q4</td>
<td>Q1</td>
<td>Q2</td>
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<tr>
<td>Design-Build: Overall Final Design and Construction</td>
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<tr>
<td>Design-Build: 30%</td>
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<tr>
<td>Design-Build: 60%</td>
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<tr>
<td>Design-Build: Final Design</td>
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<tr>
<td>Design-Build: Construction</td>
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<tr>
<td>Testing</td>
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<tr>
<td>Revenue Service</td>
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</tbody>
</table>

March 2022
Veloweb Hike & Bike Trail Update
Veloweb Hike & Bike Trail Update

Map
Veloweb Hike & Bike Trail Update

- The trail is at 30% design as of July 1, 2021
- 19,830 feet of trail or 3.75 miles in the City of Coppell
- Trail is approximately 12 feet wide
- Pedestrian bridges are prefab metal bridges 16 feet wide
- 3 pedestrian bridges
  - Grapevine Creek
  - Beltline/ Sanders Loop
  - Grapevine Creek second crossing
- The trail crosses 10 streets in the City of Coppell
- Trail connects to Campion Trail, Grapevine Creek Park, McInnish Park, and the future Trail connecting to DCTA station
- The trail will connect to future regional Veloweb trail near MacArthur Blvd
- Construction of the trail 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

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

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

City of Coppell
Traci Leach
TLeach@coppelltx.gov
972-304-3672

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

City of Dallas
North Central Texas Council of Governments
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

External End of Car Body
Vehicle Update

External End of Car Body
Vehicle Update

Power Pack
Vehicle Update

Passenger Area
Vehicle Update

Passenger Area
Vehicle Update

Machine Room
Quiet Zones & Sound Mitigation Update
Quiet Zones Update
Quiet Zone Crossings - Coppell

<table>
<thead>
<tr>
<th>STREET</th>
<th>CITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Royal Lane</td>
<td>Coppell</td>
</tr>
<tr>
<td>Freeport Drive</td>
<td>Coppell</td>
</tr>
<tr>
<td>Coppell Road</td>
<td>Coppell</td>
</tr>
<tr>
<td>Southwestern Boulevard</td>
<td>Coppell</td>
</tr>
<tr>
<td>*Huntington Road (Cypress Waters)</td>
<td>Coppell</td>
</tr>
<tr>
<td>East Belt Line Road</td>
<td>Coppell</td>
</tr>
<tr>
<td>Moore Road</td>
<td>Coppell</td>
</tr>
<tr>
<td>Mockingbird Lane</td>
<td>Coppell</td>
</tr>
<tr>
<td>S. MacArthur Boulevard</td>
<td>Coppell</td>
</tr>
<tr>
<td>Fairway Drive</td>
<td>Coppell</td>
</tr>
</tbody>
</table>

*All crossings in residential areas have been designated as quiet zones.
## 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
New Railroad Infrastructure

**Storage Track**: Primary location to breakdown and store cars pending delivery.

**Freight Island Siding**: Primary location to allow for meeting or passing trains.
Silver Line Sound Reduction will now include Denton Tap Road

Electronic Bells will direct sound away from sensitive receptors reducing sound by 10 decibels

Quiet Zones eliminates trains horns: 96 to 110 decibels

Sound reduction measures will result in an overall reduction in total sound at new tracks
Safety and Security

- DART is responsible for Safety and Security
- Railroads will be responsible for railroad equipment
- DART is exploring options for fencing all or part of right-of-way adjacent to the siding
- Pedestrian use of railroad corridor is illegal and discouraged
- DART informing adjacent property owners that access to the rail right-of-way is illegal
- DART See Something, Say Something App provides means of reporting safety/security concerns
- DART will provide Transit Education at all schools
Environmental Impacts

• DART is addressing Potential Noise and Safety impacts
• All commitments of the Final Environmental Impact Statement (FEIS) remain in place
• No other new potential environmental impacts are anticipated
<table>
<thead>
<tr>
<th>TYPE OF WORK</th>
<th>CREW/SUB</th>
<th>DISCIPLINE</th>
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</thead>
<tbody>
<tr>
<td>Explorer Pipeline Relocation at Freeport</td>
<td>Explorer</td>
<td>Utilities</td>
</tr>
<tr>
<td>Clear and Grub South Side of Tracks (635 Heading West)</td>
<td>Lindamood</td>
<td>Civil</td>
</tr>
<tr>
<td>Clear and Grub North Side of Tracks (635 Heading West)</td>
<td>Lindamood</td>
<td>Civil</td>
</tr>
<tr>
<td>Clear and Grub South Side of Tracks (635 Heading East)</td>
<td>Lindamood</td>
<td>Civil</td>
</tr>
<tr>
<td>Install Silt Fence Following Lindamood’s Clear and Grub</td>
<td>USA</td>
<td>SWPPP</td>
</tr>
<tr>
<td>Telecom Ductbank Relocation - Royal to S. Coppell Road</td>
<td>Fishel</td>
<td>Utilities</td>
</tr>
<tr>
<td>Install Construction Entrances East and West of Freeport Pkwy</td>
<td>USA</td>
<td>SWPPP</td>
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<thead>
<tr>
<th>SEGMENT 1-4</th>
<th>Cypress Waters to West of MacArthur Blvd. (Sta. 1175+00 - 1336+00)</th>
</tr>
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<tbody>
<tr>
<td>15” Sanitary Relocation at S. Belt Line</td>
<td>McMahon</td>
</tr>
<tr>
<td>Excavate/Embank/Rough Grade Subballast 1248+00 to E. Belt Line Road (1277+00)</td>
<td>Lindamood</td>
</tr>
<tr>
<td>Install and Rough Grade Subgrade 1248+00 to E. Belt Line (1277+00)</td>
<td>Lindamood</td>
</tr>
<tr>
<td>Telecom Ductbank Relocation - Moore Road to Mockingbird Lane</td>
<td>Fishel</td>
</tr>
<tr>
<td>Pothole Guideway (1270+00 - 1150+00)</td>
<td>Lindamood</td>
</tr>
<tr>
<td>Pothole Guideway (1200+00 - 120+00)</td>
<td>Lindamood</td>
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<thead>
<tr>
<th>RW #1118</th>
<th>Belt Line Bridge (West Approach)</th>
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</thead>
<tbody>
<tr>
<td>Wall Excavation</td>
<td>AWH</td>
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<tr>
<td>Install Wall Flexbase Subgrade Improvement</td>
<td>AWH</td>
</tr>
<tr>
<td>Install Ground Improvement - North of Wall</td>
<td>AWH</td>
</tr>
<tr>
<td>Slope Embankment - North of Wall</td>
<td>Lindamood</td>
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<tr>
<td>F5S Leveling Pad</td>
<td>Slaton</td>
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<tr>
<td>Install Wall Underdrain</td>
<td>Slaton</td>
</tr>
<tr>
<td>Material &amp; Panel Delivery</td>
<td>Slaton</td>
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<tr>
<td>MSE Panel Installation and Backfill</td>
<td>Slaton</td>
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<thead>
<tr>
<th>BR #7</th>
<th>Belt Line Bridge</th>
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<tbody>
<tr>
<td>Bridge #7 Drill Shafts at Abutment #1 - Bent 6 to Abutment #20</td>
<td>ATS/Toro</td>
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<tr>
<td>Bridge #7 Drill Shafts at Bent #5</td>
<td>Structures</td>
</tr>
<tr>
<td>Bridge #7 F/I S/Columns Pier 2 to Pier 19</td>
<td>Mojica</td>
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<tr>
<td>Strip Platform Footprint</td>
<td>Mojica</td>
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<th>LEGEND:</th>
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<td>N</td>
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<tr>
<td>NW</td>
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For all questions, comments and concerns, please email the DART Silver Line Project Team at SilverLine@DART.org.

Construction Update
Coppell - Belt Line Bridge
Construction Update
Coppell - Belt Line Bridge
Construction Update
Coppell - Belt Line Bridge
Construction Update
DFW North Station

Station Facts
Platform Type: Center
Parking Spaces: 362 (Shared)
Bus Bays: 4 (Shared)
Bus Routes: 1

Projected Daily Ridership:
Opening Day: 800
2040: 1,305

Mode of Access:
- Rail Transfer: 57%
  80% of rail transfers are riders from TEXRail boarding Silver Line to continue east
- Bus Transfer: 10%
- Drive: 27%
- Walk: 6%

Station Benefits
• Airport mixed use development plans
• Transfer opportunity with TEXRail outside of DFW Airport terminal area
• Shared parking

Key Community Comments
• Supported by DFW Airport
• Supported by Fort Worth Transportation Authority
• Interest in Transit-Oriented Development
Construction Update

DFW North Station
Construction Update
DFW North Station
Construction Update
DFW North Station
Construction Update
DFW North Station
Construction Update

DFW North Station
Construction Update
DFW North Station
Construction Update
DFW North Station
Construction Update

DFW North Station
Construction Update
DFW North Station
Construction Update

Cypress Waters Station

Station Facts

- Platform Type: Center
- Parking Spaces: 199
- Bus Bays: 4
- Bus Routes: 2

Projected Daily Ridership:
- Opening Day: 200
- 2040: 890

Mode of Access:
- Bus Transfer: 17%
- Drive: 35%
- Walk: 48%

Station Benefits

- Transit-Oriented Development opportunity
- Serves Cypress Waters via pedestrian trails and bus network
- Large employment centers in area
- Provides opportunity for station in DART Service Area

Key Community Comments

- Supported by City of Coppell Council Resolution
- Supported by City of Dallas
- Supported by Cypress Waters developer
- Coppell citizen support for station
Construction Update
Cypress Waters Station
Construction Update
Cypress Waters Station
Construction Update

Cypress Waters Station
Construction Update
Cypress Waters Station
Construction Update

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Construction Update
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Construction Update

Cypress Waters Station
Construction Update

Cypress Waters Station
Construction Update
Cypress Waters Station
Construction Update
Cypress Waters Station
Construction Update
City of Coppell

Building access between Southwestern Blvd. and S. Belt Line Road for guideway and bridge construction.
Demolition of existing building and franchise utility relocations in preparation for the future S. Belt Line Road DART bridge.
Construction Update
City of Coppell

Construction of DART guideway track beds west of the Cypress Waters Station.
Construction Update

City of Coppell

Construction of DART guideway track beds east of the Cypress Waters Station.
Construction Update
City of Coppell

Installation of geogrid and subballast for in preparation for DART double track commuter rail.
Construction Update
City of Coppell

Rough grading guideway and cutting in drainage ditches.
Construction Update
City of Coppell

Franchise utility relocation at S. Belt Line Road
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, 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.

let’s go.
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

• Biannual 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 Stakeholder
  - Chambers, Advocacy Organizations, Business Groups, etc.
  - Daycares, Educational Centers, Public and Private Schools
- To schedule an outreach meeting, please contact your Community Relations Representative, Carlos Huerta
Opening Doors and Broadening Transit Accessibility
DART Connects Plano to Fort Worth

Addison, Carrollton, Coppell, Dallas, Grapevine, Plano and Richardson connect to broader 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 these 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,
School Outreach Update
School Outreach Update

Safety Program

- Communicate construction updates and safety information directly with all School District Offices near the Silver Line
- Worked directly with schools and campuses within walking distance of the Silver Line to schedule Safety Programs and Outreach Events over the Summer and Fall with the Silver Line Team
- Participated in Back-to-School Events involving Students, Parents, or Teachers for all School Districts near the Silver Line
School Outreach Update

School Map
School Outreach Update
School Map
School Outreach Update

Safety Program

- Communicate construction updates and safety information directly with Pinkerton Elementary School and Coppell ISD staff
- Work with Pinkerton Elementary School, Coppell ISD, and City of Coppell staff to help manage safe traffic flow along Southwestern Blvd. and other rail crossings, especially for pickup and drop-off schedules for students and parents
- Participate in school and community events with Pinkerton Elementary School and Coppell ISD to promote transit safety and awareness campaigns
- Provide transit education material, resources, and programs to students, parents, and staff at Pinkerton Elementary School and Coppell ISD through online curriculums, virtual presentations, and virtual tours of the DART System
- Offer interactive and virtual Career Day Programs to Pinkerton Elementary School and Coppell 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](http://www.DART.org/SilverLine)
- Email [SilverLine@DART.org](mailto: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

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