Dallas Area Rapid Transit (DART)
Silver Line Project

Quarterly Community Meeting – City of Carrollton
Wednesday, February 10, 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 Tarango
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 February 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>
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<tbody>
<tr>
<td>Q1</td>
<td>Q2</td>
<td>Q3</td>
<td>Q4</td>
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<td>Q2</td>
<td>Q3</td>
<td>Q4</td>
<td>Q1</td>
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<td>Q2</td>
<td>Q3</td>
<td>Q4</td>
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<tr>
<td></td>
<td></td>
<td></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>
<td></td>
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<tr>
<td>Design/Build: Final Design</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Design/Build: Construction</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Testing</td>
<td></td>
<td></td>
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<tr>
<td>Revenue Service</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

February 2021
Design-Build Update
Downtown Carrollton Station

Station Facts
Platform Type: Side
Parking Spaces: 251 existing, 231 new
Bus Bays: 4
Bus Routes: 4
Projected Daily Ridership:
Opening Day: 800
2040: 1,855
Mode of Access:
Rail Transfer: 58%
Bus Transfer: 20%
Drive: 7%
Walk: 15%

Station Benefits
• DART Green Line connection
• Existing and future Transit-Oriented Development
• Potential regional rail transfer hub if DCTA extends south and/or Irving/Frisco Line is developed

Key Community Comments
• Supported by City of Carrollton
• Strong citizen support
• Interest in downtown Carrollton as multimodal transit hub
• Seen as compliment to existing and planned development
Design-Build Update
Downtown Carrollton Station
Design-Build Update
Downtown Carrollton Station
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Design-Build Update
Downtown Carrollton Station
Design-Build Update
Downtown Carrollton Station
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Design-Build Update
Downtown Carrollton 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.

• Betterments Sound Wall Mock-up now available for viewing in each city.

  Crosby Recreation Center
  1610 E. Crosby Road
  Carrollton, Texas 75006

• Public Involvement for landscape selection coming in Spring/Summer 2021.
Betterments Program Ballot Results

Neighborhood Side
Betterments Program Ballot Results
Trackside
Betterments Program Update
Sound Wall Mock-up Viewing Schedule

You are invited to participate in the DART Silver Line Betterments Sound Wall Mock-up Viewing in your city to see in person what the wall color and finish will look like in your neighborhood. The viewing will be available from Friday, November 20, 2020 – Friday, January 22, 2021.

The betterments sound wall color and finish for each neighborhood were voted on by residents and stakeholders through a robust and inclusive community engagement process. All Betterments Sound Wall Mock-up Viewing locations will provide the community an up-close look at the various wall color and finish selections. Attendees will see the DartSilk Absorbptive Wall System that will be used on the rail-side of the alignment and the Precast Concrete Reflective Wall to be used on the neighborhood-side of the alignment.

To confirm wall color and finish for your neighborhood, please visit DART.org/SilverLine.

Viewing Location
The locations to view betterments wall mock-ups in your city are as follows:

City of Coppell
Coppell Town Center
205 Parmerly Blvd.
Coppell, Texas 75019

City of Carrollton
Carrollton Town Center
1619 E. Peachtree Road
Carrollton, TX 75006

City of Dallas
Campbell Green Recreation Center
1600 Park Hill Drive
Dallas, TX 75240

City of Plano
Plano Municipal Center
1550 Legacy Drive
Plano, TX 75075

City of Richardson
Richardson Civic Center
411 W. Arapaho Road, Suite 102
Richardson, TX 75080
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 Carrollton
Marcos Fernandez
Marcos.Fernandez@cityofcarrollton.com
972-466-3154
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

Passenger Car

Passenger Car

Cab Car

Cab Car

Engine Compartment

*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

*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
Vehicle Update

Vehicle 1 A Cab Carbody
Vehicle Update

Vehicle 1 B Cab Carbody
Vehicle Update

Vehicle 1 C Cab Carbody
Vehicle Update

Vehicle 1 D Cab Carbody
Vehicle Update

Vehicle 1 Power Pack
Vehicle Update

Vehicle 1, Truck 2 During Quality Inspection
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 - Carrollton

<table>
<thead>
<tr>
<th>STREET</th>
<th>CITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luna Road</td>
<td>Carrollton</td>
</tr>
<tr>
<td>I-35E Access Road (SB)</td>
<td>Carrollton</td>
</tr>
<tr>
<td>I-35E Access Road (NB)</td>
<td>Carrollton</td>
</tr>
<tr>
<td>N. Broadway Street</td>
<td>Carrollton</td>
</tr>
<tr>
<td>N. Denton Drive</td>
<td>Carrollton</td>
</tr>
<tr>
<td>Perry Road</td>
<td>Carrollton</td>
</tr>
<tr>
<td>Kelly Boulevard</td>
<td>Carrollton</td>
</tr>
<tr>
<td>Marsh Lane</td>
<td>Carrollton/Addison</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: Sounds wall 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

### City of Carrollton

<table>
<thead>
<tr>
<th>Type of Work</th>
<th>February</th>
<th>March</th>
<th>April</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Site &amp; Land Clearing</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Mercer Yard Site Clearing</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Rail</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Josey Shoofly Construction</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stations</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Downtown Carrollton Station</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mercer Yard DGNO Facility</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Structures</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Josey Rd. Bridge - 21A</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Systems/Electrical</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No Activity</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Traffic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No Activity</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

### Utilities

- Explorer Pipeline Josey
- Explorer Pipeline New Mercer Yard
- Centry Link Utility Relocation
- Explorer Pipeline Lakehill to Marsh Ln.

* Contingent on approved easement
** Contingent on Rail Road Agreement

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

Carrollton Farmers Branch ISD
- Newman Smith High School
- Ted Polk Middle School
- DeWitt Perry Middle School
- Carrollton Elementary School
- Country Place Elementary School
- Jerry R. Junkins Elementary School (DISD)
- Barbara Bush Middle School (Irving)
Construction School Safety – Map
Construction School Safety Program

- Communicate construction updates and safety information directly with DeWitt Perry Middle School and Carrollton Farmers Branch ISD (CFBISD) staff.
- Work with CFBISD staff to identify opportunities to engage students and families about rail crossings and pedestrian safety.
- Work with all the schools listed above, CFBISD, and City of Carrollton staff to help manage safe traffic flow along impacted streets and other rail crossings, especially for pickup and drop-off schedules for students and parents.
- Participate in school and CFBISD community events to promote transit safety and awareness campaigns.
- Provide transit education material, resources, and programs to students, parents, and CFBISD staff through online curriculums, virtual presentations, and virtual tours of the DART System.
- Offer interactive and virtual Career Day Programs to CFBISD 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

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