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.

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 Carrollton
Wednesday, July 21, 2021
DART Community Engagement Representative – City of Carrollton

Chris Tarango
SilverLine@DART.org
214-749-2835
Project Facts
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

<table>
<thead>
<tr>
<th>Design-Build Schedule</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
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<tbody>
<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>
<td></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>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Design-Build: Construction</td>
<td></td>
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<tr>
<td>Testing</td>
<td></td>
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<td></td>
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<tr>
<td>Revenue Service</td>
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</tbody>
</table>

July 2021
Veloweb Hike & Bike Trail Update
Veloweb Hike & Bike Trail Update

Map
Veloweb Hike & Bike Trail Update

- 14,875 of trail or 2.82 miles in Carrollton
- 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
  - 1 pedestrian bridge in Carrollton
    - Hutton Branch Bridge
- The trail crosses 8 streets in Carrollton
- The trail is at 30% design as of July 20, 2021
- The trail will connect to City of Carrollton Green trail system in downtown Carrollton
- From the Green trail it connects to the City’s Purple trail
- A future connection will connect the Purple trail back to the Cottonwood Hike & Bike down Kelly Lane
- 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 Carrollton
Marcos Fernandez
Marcos.Fernandez@cityofcarrollton.com
972-466-3154
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 - Carrollton

<table>
<thead>
<tr>
<th>STREET</th>
<th>CITY</th>
</tr>
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<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 Look Ahead Schedule

## CITY OF CARROLLTON

### Type of Work

<table>
<thead>
<tr>
<th>Civil</th>
<th>July</th>
<th>August</th>
<th>September</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintain Stormwater Prevention Protection Plan (SWPPP) Installation</td>
<td>1-19</td>
<td>1-7</td>
<td>1-4</td>
</tr>
<tr>
<td>Site and Land Clearing</td>
<td>11-17</td>
<td>8-14</td>
<td>5-11</td>
</tr>
<tr>
<td>Mercer Yard Site and Land Clearing</td>
<td>18-24</td>
<td>15-21</td>
<td>12-18</td>
</tr>
<tr>
<td></td>
<td>25-31</td>
<td>22-31</td>
<td>19-25</td>
</tr>
</tbody>
</table>

### Rail

- *Josey Snoofly Construction*
- Guideway Construction
- *Pocket Track Construction Start*
- Rail Delivery

### Stations

- Downtown Carrollton Station
- Mercer Yard D5N0 Facility

### Structures

- Josey Rd. Bridge Sub-structure Construction
- Josey Bridge Walls

### Systems/Electrical

- No Activity

### Traffic

- No Activity

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

### Utilities

- Explorer Pipeline Josey Tie-In
- Explorer Pipeline New Mercer Yard
- Future Relocating Perry to Marsh
- Century Link Utility Relocation
- Explorer Pipeline Lakehill to Marsh Ln.
- Mandoe Golf Drainage Repair

* Contingent on approved permits/easement

** Contingent on Rail Road Agreement

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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 214-740-2936.*

*For all questions, comments and concerns, please email the DART Silver Line Project Team at SilverLine@DART.org*
Construction 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
Construction Update
Downtown Carrollton Station
Construction Update
Downtown Carrollton Station
Construction Update
Downtown Carrollton Station
Construction Update
Downtown Carrollton Station
Construction Update
Downtown Carrollton Station
Construction Update
Downtown Carrollton Station
Construction Update
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Construction Update
Downtown Carrollton Station
Construction Update
Downtown Carrollton Station
Construction Update

General Construction Meeting

Stripping top soil to build Haul Road on north side of tracks at the New Mercer
Construction Update

General Construction Meeting

Relocating MCI fiber line on the north side of tracks at New Mercer Yard
Construction Update
General Construction Meeting

Installing silt fencing on the north side of tracks at John Connelly
Construction Update
General Construction Meeting

Potholing for water line at Marsh Lane
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
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.
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 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, Christopher Tarango
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

**LEGEND**
- DART Silver Line Stations
- CFBISD Schools and Offices
- Coppell ISD Schools and Offices
- Track Alignment

<table>
<thead>
<tr>
<th>Number</th>
<th>Location and Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>54</td>
<td>Barbara Rush Middle School, 515 Cowboys Plwy.</td>
</tr>
<tr>
<td>55</td>
<td>Ranchview High School, 8401 Valley Ranch Pkwy E.</td>
</tr>
<tr>
<td>36</td>
<td>Riverchase Elementary, 272 S MacArthur Blvd.</td>
</tr>
<tr>
<td>37</td>
<td>Coppell Middle School East, 400 Mockingbird Ln.</td>
</tr>
<tr>
<td>38</td>
<td>New Tech High, 113 Samuel Blvd.</td>
</tr>
<tr>
<td>39</td>
<td>Coppell High School, 185 W Parkway Blvd.</td>
</tr>
<tr>
<td>40</td>
<td>Barbara S. Austin Elementary, 101 S Moore Rd.</td>
</tr>
<tr>
<td>41</td>
<td>Mockingbird Elementary, 300 Mockingbird Ln.</td>
</tr>
<tr>
<td>42</td>
<td>Pinkerton Elementary, 290 Southwestern Blvd.</td>
</tr>
<tr>
<td>43</td>
<td>Coppell Middle School West, 2701 Ranch Trail</td>
</tr>
<tr>
<td>51</td>
<td>Cypress Waters Station, 345 Belt Line Rd.</td>
</tr>
<tr>
<td>62</td>
<td>DFW North Station, 1987 Dallas Rd.</td>
</tr>
<tr>
<td>63</td>
<td>DFW International Airport Station, DFW Airport Terminal B</td>
</tr>
</tbody>
</table>

Hwy. 121
F. Belt Line Rd.
I-35
S. Belt Line Rd.
President George Bush Turnpike

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School Outreach Update

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

- 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