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 Plano
Wednesday, July 28, 2021
DART Community Engagement Representative – City of Plano

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](image)

<table>
<thead>
<tr>
<th></th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Q1</td>
<td>Q2</td>
<td>Q3</td>
<td>Q4</td>
<td>Q1</td>
<td>Q2</td>
</tr>
<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>
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<tr>
<td>Design-Build: Final Design</td>
<td></td>
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<tr>
<td>Design-Build: Construction</td>
<td></td>
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<td></td>
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<tr>
<td>Testing</td>
<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

• 10,810 ft of trail or 2.05 miles in the City of Plano
• 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
  • 2 pedestrian bridges
• The trail crosses 7 streets
• Two DART station (12 Street and Shiloh Road) 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 Plano
Christina Sebastian
ChristinaS@plano.gov
972-941-7151
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 - Plano

<table>
<thead>
<tr>
<th>STREET</th>
<th>CITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>President George Bush Turnpike (EB)</td>
<td>Richardson/Plano</td>
</tr>
<tr>
<td>President George Bush Turnpike (WB)</td>
<td>Plano</td>
</tr>
<tr>
<td>10th Street (Existing)</td>
<td>Plano</td>
</tr>
<tr>
<td>K Avenue</td>
<td>Plano</td>
</tr>
<tr>
<td>Municipal Avenue</td>
<td>Plano</td>
</tr>
<tr>
<td>N Avenue (Existing)</td>
<td>Plano</td>
</tr>
<tr>
<td>Shiloh Road (Existing)</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>
</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
# Construction 90-Day Look Ahead Schedule

## CITY OF PLANO

<table>
<thead>
<tr>
<th>Type of Work</th>
<th>JULY</th>
<th>AUGUST</th>
<th>SEPTEMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Civil</strong></td>
<td></td>
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<td></td>
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<tr>
<td>No Activity</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Rail</strong></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>No Activity</td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>Stations</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12th Street - Aerial Station</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12th Street - At-Grade Station</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Shiloh Station</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Structures</strong></td>
<td></td>
<td></td>
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<tr>
<td>Jupiter Road Bridge</td>
<td></td>
<td></td>
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<tr>
<td><strong>Systems/Electrical</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>No Activity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Traffic</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No Activity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>* Permits have not been submitted. These are projected dates for closures. Proper construction notifications will be sent out.</td>
<td></td>
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</tr>
<tr>
<td><strong>Utilities</strong></td>
<td></td>
<td></td>
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<tr>
<td>Explorer at Alma Rd.</td>
<td></td>
<td></td>
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<tr>
<td>ATMOS at 10th Street</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>ONCOR at Shiloh Station</td>
<td></td>
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<tr>
<td>* Contingent on approved permits/easement</td>
<td></td>
<td></td>
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<tr>
<td>** Contingent on Rail Road Agreement</td>
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<tr>
<td>*** Pending Utility Relocation</td>
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</tbody>
</table>

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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

DART Silver Line Construction 90 Day Schedule | AHW/DART Silver Line Project Construction Hotline - 972.833.2858

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Construction Update

12th Street Aerial and At-Grade Station

**Station Facts**

- Platform Type: Side
- Parking Spaces: 313
- Bus Bays: 5
- Bus Routes: 1

**Projected Daily Ridership:**
- Opening Day: 200
- 2040: 340

**Mode of Access:**
- Rail Transfer: 19%
- Bus Transfer: 9%
- Drive: 51%
- Walk: 21%

**Station Benefits**

- Additional Red Line/Cotton Belt Transfer opportunity
- Part of Plano’s 10-year vision to extend downtown Plano to the south and create pedestrian-oriented development corridor
- Parking serves entire station complex

**Key Community Comments**

- Supported by the City of Plano
- Envisioned as a development catalyst
- Seen as compliment to planned development
- Seen as multimodal transit hub
Construction Update
12th Street Aerial Station
Construction Update
12th Street Aerial Station
Construction Update

12th Street Aerial Station
Construction Update
12th Street Aerial Station
Construction Update

12th Street Aerial Station
Construction Update
12th Street Aerial Station
Construction Update

12th Street Aerial Station
Construction Update
12th Street Aerial Station
Construction Update

12th Street Aerial Station
Construction Update

12th Street Aerial Station
Construction Update

12th Street Aerial Station
Construction Update

12th Street At-Grade and Aerial Station Pedestrian Connection
Construction Update

12th Street At-Grade and Aerial Station Pedestrian Connection
Construction Update

12th Street At-Grade Station
Construction Update

12th Street At-Grade Station
Construction Update

12th Street At-Grade Station
Construction Update

12th Street At-Grade Station
Construction Update

12th Street At-Grade Station
Construction Update

12th Street At-Grade Station
Construction Update
12th Street At-Grade Station
Construction Update
Shiloh Road Station

Station Facts
Platform Type: Center
Parking Spaces: 672
Bus Bays: 2
Bus Routes: 2

Projected Daily Ridership:
Opening Day: 400
2040: 690

Mode of Access:
Drive: 48%
Bus: 13%
Walk: 39%

Station Benefits
• 146,000 Residents within 5 miles of track shed
• End of line commuter park-and-ride
• Access/visibility from major arterial
• Bus connections to industrial employment areas

Key Community Comments
• Supported by the City of Plano
• Support for terminal station parking
• Interest expressed in extending line eastward
Construction Update
Shiloh Road Station
Construction Update
Shiloh Road Station
Construction Update
Shiloh Road Station
Construction Update
Shiloh Road Station
Construction Update
Shiloh Road Station
Construction Update
Shiloh Road Station
Construction Update
Shiloh Road 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, 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.
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 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 three DART Light Rail 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 26 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
- 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 Plano ISD staff
- Participate in school and community events with Plano ISD to promote transit safety and awareness campaigns
- Provide transit education material, resources, and programs to students, parents, and staff at Plano ISD through online curriculums, virtual presentations, and virtual tours of the DART System
- Offer interactive and virtual Career Day Programs to Plano 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