Dallas Area Rapid Transit (DART) Silver Line Project

Quarterly Community Meeting – City of Plano
Wednesday, March 3, 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](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

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Thank You
Project Facts
DART Silver Line Segment Map
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

- 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
12th Street Aerial LRT Station
Design-Build Update
12th Street Aerial LRT Station
Design-Build Update

12th Street Vertical Circulation
Design-Build Update

12th Street Aerial LRT Station
Design-Build Update

12th Street Aerial LRT Station
Design-Build Update
12th Street Vertical Circulation
Design-Build Update
12th Street Pedestrian Connection

ILA Canopy Enhancement Under Consideration
Design-Build Update
12th Street 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
Design-Build Update

12th Street Station
Design-Build Update

12th Street Station
Design-Build Update
12th Street Station
Design-Build Update
12th Street Station
Design-Build Update

12th Street Station
Design-Build 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
Design-Build Update
Shiloh Road Station
Design-Build Update
Shiloh Road Station
Design-Build Update
Shiloh Road Station
Design-Build Update

Shiloh Road Station
Design-Build Update
Shiloh Road Station
Design-Build Update
Shiloh Road 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
Design-Build Update
Aura One90 - South
Design-Build Update
Aura One90 - North
Betterments Program Update
Ezekiel Way – North Cul-de-Sac
Betterments Program Update

Ezekiel Way – North Cul-de-Sac
Betterments Program Update

Ezekiel Way – South Cul-de-Sac
Betterments Program Update
Ezekiel Way – South Cul-de-Sac
Betterments Program Update

Ezekiel Way – South Commercial
Betterments Program Update
Ezekiel Way – South Commercial
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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 Plano
Christina Sebastian
ChristinaS@plano.gov
972-941-7151
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

*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 - 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>10(^{th}) 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 SCHEDULE

<table>
<thead>
<tr>
<th>CITY OF PLANO</th>
<th>Type of Work</th>
<th>Expected Duration of Work</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>March 1-6 7-13 14-20 21-27 28-31</td>
</tr>
<tr>
<td>Civil</td>
<td>No Activity</td>
<td></td>
</tr>
<tr>
<td>Rail</td>
<td>Rail Delivery</td>
<td></td>
</tr>
<tr>
<td>Stations</td>
<td>12th Street - Aerial Station</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12th Street - At-Grade Station</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Shiloh Station</td>
<td></td>
</tr>
<tr>
<td>Structures</td>
<td>No Activity</td>
<td></td>
</tr>
<tr>
<td>Systems/Electrical</td>
<td>No Activity</td>
<td></td>
</tr>
<tr>
<td>Traffic</td>
<td>No Activity</td>
<td></td>
</tr>
<tr>
<td>Utilities</td>
<td>Explorer at Alma Rd.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ATMOS at 10th Street</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ONCOR at Shiloh Station</td>
<td></td>
</tr>
</tbody>
</table>

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

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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

Jan 5, 2021
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.
School Outreach Update
Construction School Safety

School Districts
- Plano ISD
  - All schools
Construction School Safety – Map

**Legend**

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

1. Plano East Senior High School
2. Farmhouse Elementary
3. Armstrong Middle School
4. City Middle School
5. Islamic Academy
6. Meadowbrook Elementary
7. Plano ISD Switch Center
8. Vineyard School
9. Memorial Elementary
10. Willowridge High School
11. Wilson Middle School
12. Plano Senior High School
13. Haggard Elementary
14. Plano West Senior High School
15. Shepton High School
16. South Road Station
17. 12th Street Station
18. CityLine/Bush Station
19. UT Dallas/Synergy Park Station
20. Koutl Trail Station
21. Addison Station

**Map Details**

- **Dallas North Tollway**
- **US 75**
- **Alma Rd.**
- **Frankford Rd.**
- **Renner Rd.**
- **President George Bush Turnpike**
Construction School 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
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