Dallas Area Rapid Transit (DART) Cotton Belt “Silver Line” Project
Quarterly Update Community Meeting
DFW International Airport, Cypress Waters, and Coppell Community Stakeholders
The Sound at Cypress Waters, August 6, 2019
How to Stay Informed

- Visit www.DART.org/cottonbelt
- Email Cottonbelt@DART.org
- Attend meetings regularly

Sign up for project alerts at www.DART.org/cottonbelt

DART HOTLINE
972-833-2856

Mail your Community Engagement Representative
Community Engagement Representative

Carlos Huerta
cottonbelt@dart.org
214-749-2721
Design-Build Team Update

• 30% Design Packages - Currently in review

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<tr>
<th>DFW</th>
<th>Cypress Waters</th>
<th>Coppell</th>
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<tr>
<td>Track/Grade 1-1</td>
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<td>Fire Station Access</td>
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<td>S. Coppell Rd.</td>
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<td>Bridge 11 - E. of MacArthur</td>
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• DFW North Station– 30% design submittal to DART and Carrollton in 1st Quarter 2020

• Cypress Waters – 30% design submittal to DART and Addison in 4th Quarter 2019
Pre-Construction Activities

- Activities on DART Right-of-Way
  - On-site photography / videography
  - Survey
  - Geotechnical investigations and soil samples
  - Utility identification
- Design
- Coordination with others
  - Quiet Zone coordination with cities
  - Hike & Bike Trail Coordination
Design-Build Team Update

Design/Build: Overall Final Design and Construction

Design/Build: 30% Design

Design/Build: 60% Design

Design/Build: Final Design

Design/Build: Construction

Testing

Revenue Service

12/31/2022
Cypress Waters Track Alignment
TYPICAL CROSS SECTION
Hike and Bike Trail on 1 side

- Trees or Landscape Islands @ 120-150' OC
- Existing Row
- Existing Ground
- Fence
- Proposed Track 2 (SB)
- Proposed Track 1 (NB)
- 36' Commuter (Typ)
- 20' Freight (Typ)
- Trees @ 120-150' OC
- Future Trail in Partnership with Others
Base Landscape Site Components

- SHRUBS - PARKING SCREENING
- VISIBILITY TRIANGLE
- ENTRY PLANTING
- SHRUBS - PARKING SCREENING
- TURFGRASS
- STREET TREES
- PARKING ISLANDS
- PARKING TREES
- STATION TREES

Meets City / DART Policies

- STREET TREE
- SITE/PARKING TREE
- SHRUBS - PARKING LOT SCREENING
- REQUIRED ENTRY OR INTERIOR PLANTING
- TURFGRASS
- LANDSCAPE EDGING
Elements of Continuity - Center Platform:

- Boarding Platform – 350’
- Canopy (Weather Protection) – Standard Color
- Branding Pylon – Standard Color
- Trackway Crosswalks
- Warning Strip
- Passenger Amenities
  
  Seating, Lighting, Windscreens, Bike Racks, Trash Receptacles, Bus Shelters
Center Platform
Center Platform
Key Community Comments

- Supported by DFW Airport
- Supported by Fort Worth Transportation Authority
- Interest in Transit-Oriented Development

Station Facts

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

Projected Daily Ridership:
- Opening Day: 800
- 2040: 1,320

Mode of Access
- Rail Transfer: 57%
- 80% of rail transfers are riders from TEXRail boarding Cotton Belt 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
Cypress Waters Station

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

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

Station Facts

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<th>Platform Type</th>
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<tr>
<td>Bus Routes</td>
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Projected Daily Ridership

- Opening Day: 200
- 2040: 910

Mode of Access %

- Bus Transfer: 17%
- Drive: 36%
- Walk: 47%
DART Station Art & Design Program

• Station will have elements of continuity and community reflection
• Opportunity for community input – Site Specific Art Installation
  – Platform surface, column finish, pedestrian railing, coatings on steel
• Use systematic workshop process to reach consensus within budget
  – Materials, colors, and patterns
Predecessor Activities

- DART recommendations for site-specific committee members for each station
  - Committee consists of 8-12 individuals representing neighborhoods, businesses, and institutions near station
- Design-Builder recommendations for station artists for each station
- Approvals of artists and site committee
- 30-day notice of Art & Design kick-off meetings
DART Station Art & Design Program

DFW North Station

- Community Orientation Meeting – May 29, 2019
- Site tour & key items identified – June 4, 2019
- Workshop 1 Artistic value statements & brainstorming – June 19, 2019
- Workshop 2 Options & estimates presented with feedback and selection – August 14, 2019
- Workshop 3 Report Back – October 9, 2019
DART Station Art & Design Program

Cypress Waters Station

• Community Orientation Meeting – May 29, 2019

• Site tour & key items identified – June 5, 2019

• Workshop 1 Artistic value statements & brainstorming – June 26, 2019

• Workshop 2 Options & estimates presented with feedback and selection – August 24, 2019

• Workshop 3 Report Back – October 16, 2019
DART Station Art & Design Program Example

Arapaho Station

Downtown Plano Station
Base Vehicle Overview
Base Vehicle Information

- Environmentally and community friendly vehicle that meets tier 4 EPA emissions standards and FRA Standards
- Self-Propelled Diesel Multiple Unit (DMU)
- Automatic Passenger Counters
- Vehicle Business System (VBS)
- CCTV System
- Number of Seats per Vehicle: 230
Base Vehicle Overview

Diagram showing the layout of the vehicle including:
- Passenger Car
- Cab Car
- Engine Compartment
Base Vehicle Overview - Interior

Convenient bicycle racks within the train allow riders to store their bike on board and out of passengers’ paths during the trip.

The design of the entrance area is centered on integration, clarity, and modularity. The required interface modules such as the emergency brake, emergency door opening, and normal door buttons are clearly marked and integrated into the columns at an optimal location.
Lighting is one of the most important elements for modern train design. A light strip running along the middle ceiling section illuminates the passenger compartments with diffused light.

The overhead luggage carriers form a continuous horizontal element throughout the compartment. Items placed on the carriers can be seen from the seat, so passengers are less likely to forget their belongings.
Wheelchair users can board the train easily from the platform and find convenient seating in close proximity to the entrance. The wheelchair areas in the FLIRT3 are equipped to provide the same level of comfort as the other passenger compartments.

The interior layout is not only light and open, but also offers a range of functional benefits. The rigorous modular construction, which follows a basic grid structure, reduces the number of different parts required and thus life-cycle costs.
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