Briefing on Capital Construction Projects

Planning and Capital Programs Committee
Tuesday, November 10, 2020

John M. Rhone, VP Capital Design and Construction
Purpose of Today’s Briefing

• Provide update on the construction progress for the following capital projects:
  – Hidden Ridge Station at Carpenter Ranch Project
  – Red and Blue Line Platform Extension Project
  – Silver Line Regional Rail Project
Hidden Ridge Station at Carpenter Ranch Project
Hidden Ridge Station at Carpenter Ranch Project

Installing Flexbase on Future Parking Lot
Hidden Ridge Station at Carpenter Ranch Project

Waterproofing of Sanitary Manhole
Hidden Ridge Station at Carpenter Ranch Project

Electrical Duct Bank for Platform
Running Electrical Conduit Alongside the Drill Shafts on North Platform
Hidden Ridge Station at Carpenter Ranch Project

Drill Shafts for Canopy Steel Foundations on the North Side Platform
Hidden Ridge Station at Carpenter Ranch Project

Trackway Fence Foundation Installation
Hidden Ridge Station at Carpenter Ranch Project

Trackway Fence Foundations
Installing Drain Lines for North Platform
Hidden Ridge Station at Carpenter Ranch Project

Installing Conduits on South Platform
Hidden Ridge Station at Carpenter Ranch Project

Setting Second Arch in the Canopy Structure Pre-assembly Area On-site
Hidden Ridge Station at Carpenter Ranch Project

Canopy Structure Pre-assembly Area On-site
Red and Blue Line Platform Extension Project
Red and Blue Line Platform Extension Project

LBJ Central Station – Forming for Grade Beams
Red and Blue Line Platform Extension Project

Convention Center Station: Excavating for Platform Extension
Red and Blue Line Platform Extension Project

Dallas Zoo Station: Excavating for Platform Extension
Red and Blue Line Platform Extension Project

Cedars Station: Platform Wall Framing
Red and Blue Line Platform Extension Project

Arapahoe Station: Preparing to Place Pavers on New Level Boarding
Red and Blue Line Platform Extension Project

Lovers Lane Station: Excavating for Platform Extension
Red and Blue Line Platform Extension Project

Downtown Plano Station: Constructing Pedestrian Ramp
Red and Blue Line Platform Extension Project

Galatyn Park Station: Finishing Concrete for Platform Extension
Silver Line Regional Rail Project
## Station – Current Level of Design

<table>
<thead>
<tr>
<th>Station</th>
<th>Level of Design (As of November 6, 2020)</th>
<th>Next Submittal Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shiloh Road</td>
<td>60%</td>
<td>100% - 11/12/2020</td>
</tr>
<tr>
<td>12th Street</td>
<td>60%</td>
<td>100% - 11/13/2020</td>
</tr>
<tr>
<td>12th Street Red Line (LRT)</td>
<td>30%</td>
<td>60% - 12/18/2020</td>
</tr>
<tr>
<td>CityLine/Bush</td>
<td>100%</td>
<td>IFC - 12/22/2020</td>
</tr>
<tr>
<td>UT Dallas</td>
<td>60%</td>
<td>100% - 11/11/2020</td>
</tr>
<tr>
<td>Knoll Trail</td>
<td>IFC</td>
<td>Under Review</td>
</tr>
<tr>
<td>Addison</td>
<td>IFC</td>
<td>Under Review</td>
</tr>
<tr>
<td>Downtown Carrollton</td>
<td>100%</td>
<td>IFC - 12/11/2020</td>
</tr>
<tr>
<td>Cypress Waters</td>
<td>100%</td>
<td>IFC - 11/9/2020</td>
</tr>
<tr>
<td>DFW North</td>
<td>IFC</td>
<td>Under Review</td>
</tr>
</tbody>
</table>
Silver Line – City of Plano
12th Street Station – Site Plan and Pedestrian Connection
Silver Line – City of Plano
12th Street Station Vertical Circulation – NE and NW Platforms
Silver Line – City of Plano
12th Street Station – Pedestrian Connection
Silver Line – City of Carrollton
Josey Lane Bridge – Paint Only / Entire Structure
Silver Line – City of Carrollton
Josey Lane Bridge – Column Enhancements, Including Caps with Radius Soffit and At-Grade Decorative Parapet
Silver Line – City of Carrollton
Josey Lane Bridge – Column Enhancements, Including Caps with Radius Soffit and At-Grade Decorative Parapet
Silver Line – City of Carrollton
Josey Lane Bridge – Aluminum Panel with Design / Pattern A
Silver Line – City of Carrollton
Josey Lane Bridge – Aluminum Panel with Design / Pattern B
Silver Lane – City of Carrollton
Josey Lane Bridge – Aluminum Panel with Design / Pattern C
Silver Line – City of Carrollton
Josey Lane Bridge – Aluminum Panel with Design / Pattern D
Silver Line – City of Carrollton
Alternate Design Phase 1
Ground Level Plan - 550 LF Of ADA Ramp as Pedestrian Connectivity

Phase 1 Schematic Concept Plan to show relocation of elevator and stairs, addition of switchback ramp and larger transfer plaza.
Silver Line – City of Carrollton

Alternate Design Phase 1

Upper Level Plan - 550 LF Of ADA Ramp as Pedestrian Connectivity

Phase 1 Schematic Concept Plan to show extension of pedestrian bridge and pedestrian crossing for switchback ramp over LRT track north bound.
Silver Line – City of Carrollton

Alternate Design Phase 1

550 LF Of ADA Ramp as Pedestrian Connectivity

DESCRIPTION:

➢ ASSUMES 35’ VERTICAL DIFFERENCE BETWEEN EXISTING TRACK AND FINISH GRADE

➢ 550 LINEAL FEET OF ADA RAMP IS REQUIRED @ 8% TO REACH GREEN LINE ABOVE. INCLUDING LANDINGS @ 8’ AND SWITCHBACK

➢ STARTING FROM TRANSFER PLAZA HEADING NORTH APPROX 266’

➢ SWITCHBACK SOUTH TOWARDS PROPOSED AERIAL PLATFORM

Schematic concept elevation for switchback ramp showing pedestrian crossing of north bound track.
Silver Line – City of Carrollton
Alternate Design Phase 1
550 LF Of ADA Ramp as Pedestrian Connectivity
Silver Line – City of Carrollton
Alternate Design Phase 1
550 LF Of ADA Ramp as Pedestrian Connectivity
Phase 2 Schematic Concept Plan to show possible limits of climate control building maintaining elevator, stair and switchback ramp at same location. Pedestrian plaza modified to provide connectivity to future DCTA platform.
Schematic concept elevation for climate control building between existing guideway showing pedestrian crossing of north bound track.
Silver Line – City of Carrollton
Alternate Design Phase 2
Enclosed Transfer Facility between Guideway

DESCRIPTION:
➢ ASSUMES 35’ VERTICAL DIFFERENCE BETWEEN EXISTING TRACK AND FINISH GRADE.
➢ TWO STORY CLIMATE CONTROLLED FACILITY WITH STAIR, ELEVATOR AND 2 ESCALATORS BETWEEN THE EXISTING GREEN LINE GUIDEWAY.
➢ ELEVATED PLATFORM WITH CONNECTION TO THE EXISTING AERIAL GREEN LINE PLATFORM.

Schematic concept elevation for climate control building between existing guideway showing pedestrian crossing of north bound track.
Silver Line – City of Carrollton

Alternative Design Phase 2

Enclosed Transfer Facility between Guideway
Silver Line – City of Carrollton
Alternate Design Phase 2
Enclosed Transfer Facility between Guideway
Silver Line Regional Rail Project

Boring Testing along Belt Line Road
Silver Line Regional Rail Project

Backfilling New Pipe Installation
Excavating for a Bore Pit
Silver Line Regional Rail Project

Future Infrastructure Setting Bore Tracks
Silver Line Regional Rail Project

Bobcat Welding Pipe Joints at Midway Road
Silver Line Regional Rail Project

Bobcat Installing Pipe in Open Trench
Silver Line Regional Rail Project

Future Excavating at Jupiter Grade Crossing
Silver Line Regional Rail Project

Bobcat Excavating Trench, West of Midway Road
Silver Line Regional Rail Project

Future Excavating for Relocation of Sprint Fiber
Silver Line Vehicle

Underframe Part Compilation
Silver Line Vehicle

Vehicle Underframe
Silver Line Vehicle

Vehicle Finished Roof
Silver Line Vehicle

Vehicle Passenger Car
Silver Line Vehicle

Vehicle Carbody
Silver Line Vehicle

Vehicle Carbody
Silver Line
Vehicle Delivery Schedule

• Delivery dates to DART
  – DMU-1 - March 2022
  – DMU-2 - March 2022
  – DMU-3 - May 2022
  – DMU-4 - June 2022
  – DMU-5 - July 2022
  – DMU-6 - July 2022
  – DMU-7 - July 2022
  – DMU-8 - August 2022
Betterments Program Update

- Neighborhood – **Aura One90 (City of Plano)**
  - Wall Finish – Rolled Ashlar
  - Wall Color – 1004B Natural
  - Wall Height – 15 Feet (The red line indicates the Betterment Wall)
  - Wall Length – 517 LF
  - Number of Votes 1 of 1
Betterments Program Update

- Neighborhood – Josey Place Apartments (City of Carrollton)
  - Wall Finish – Bush Hammer
  - Wall Color – 1082D Tan
  - Wall Height – 15 Feet (The red line indicates the Betterment Wall)
  - Wall Length – 800 LF
  - Number of Votes 0 of 1 (Default)

Note: The end of the wall (Tan in color) at Josey Place Apartments abuts with the end of the wall at Gravely Drive with a different color selection; the adjacent wall is 09187 Grey in color.
Silver Line Questions and Answers Matrix

- Aspire to 30-day deadline for response to questions
- Table for questions received through November 10, 2020

<table>
<thead>
<tr>
<th>Status of Questions Received</th>
<th>Number of Questions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Responses sent to the originator</td>
<td>879</td>
</tr>
<tr>
<td>Responses in progress</td>
<td>865</td>
</tr>
<tr>
<td>Total questions received</td>
<td>14</td>
</tr>
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</table>
Silver Line Quarterly Community Meetings

- City of Coppell / Cypress Waters  
  - Monday, November 9
- City of Carrollton  
  - Wednesday, November 11
- Town of Addison  
  - Thursday, November 12
- City of Richardson  
  - Monday, November 16
- City of Plano  
  - Tuesday, November 17
- City of Dallas  
  - Wednesday, November 18