



Project Connect Overview

September 14, 2021

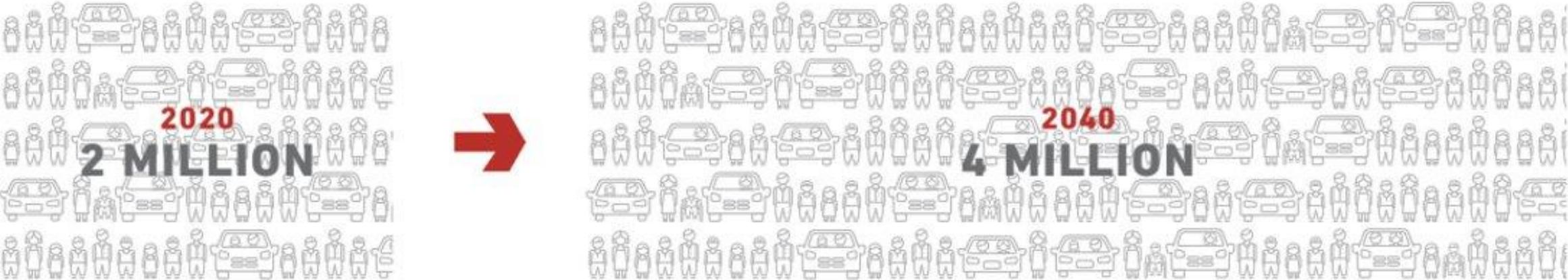
Mueller Commision



The Geometry of Transit

Historic Population Growth

Austin MSA Population



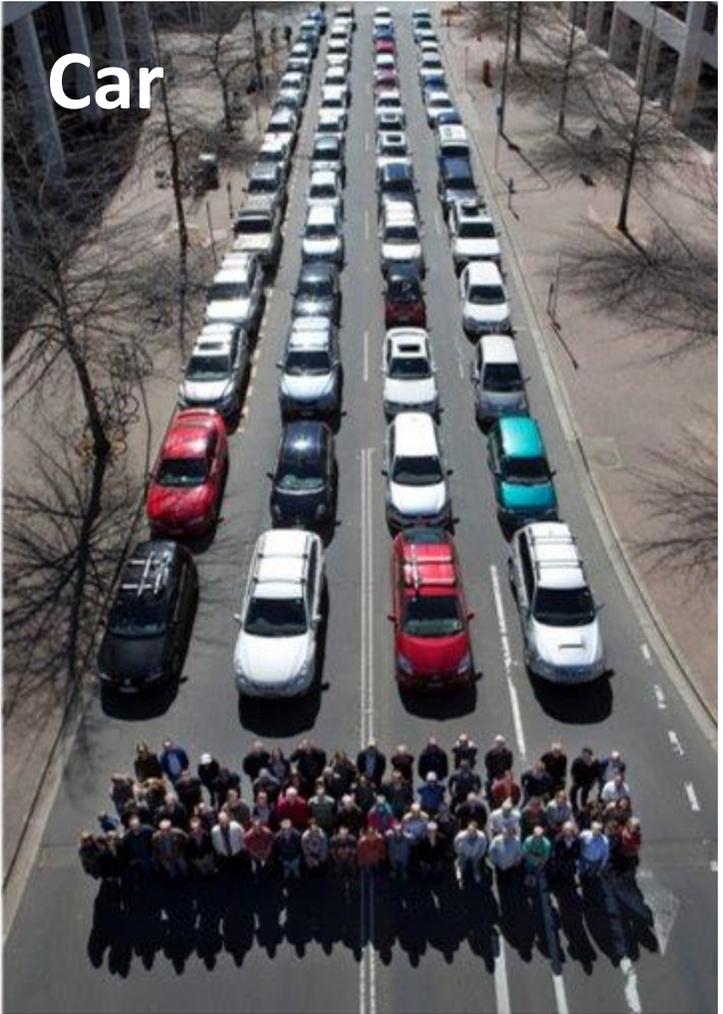
The Geometry of Transit



The Geometry of Transit



The Geometry of Transit

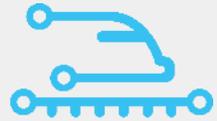




Implementing the Project Connect Vision



Comprehensive Transit Plan



New Rail System

LIGHT RAIL

ORANGE LINE



BLUE LINE



REGIONAL RAIL

RED LINE



GREEN LINE



Downtown Transit Tunnel



All-Electric Bus Fleet



New neighborhood circulator zones with on-demand pick-up



MetroBike integration



Expanded Bus Service

4 new MetroRapid routes; high-frequency bus service with priority treatments.



42 miles, 99 stations

10 new stations, with planned conversion to Light Rail



3 new MetroExpress commuter routes



9 New Park & Rides/Transit Centers

Light Rail Transit

Conceptual Illustration



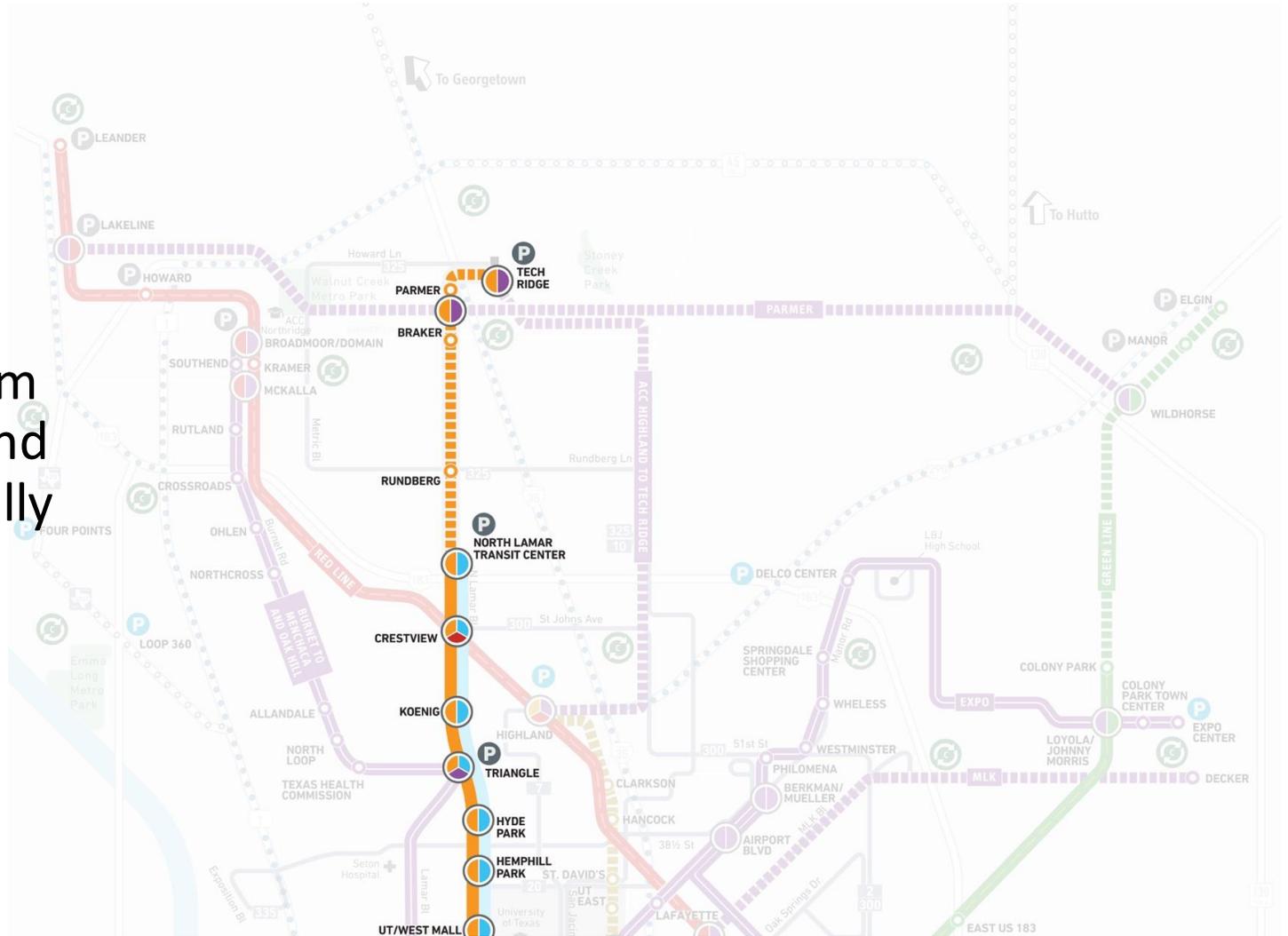
New Rail System

ORANGE LINE



Light rail to connect north and south Austin.

From Tech Ridge (initially from North Lamar and U.S. 183) and extending to Slaughter (initially to Stassney Lane).



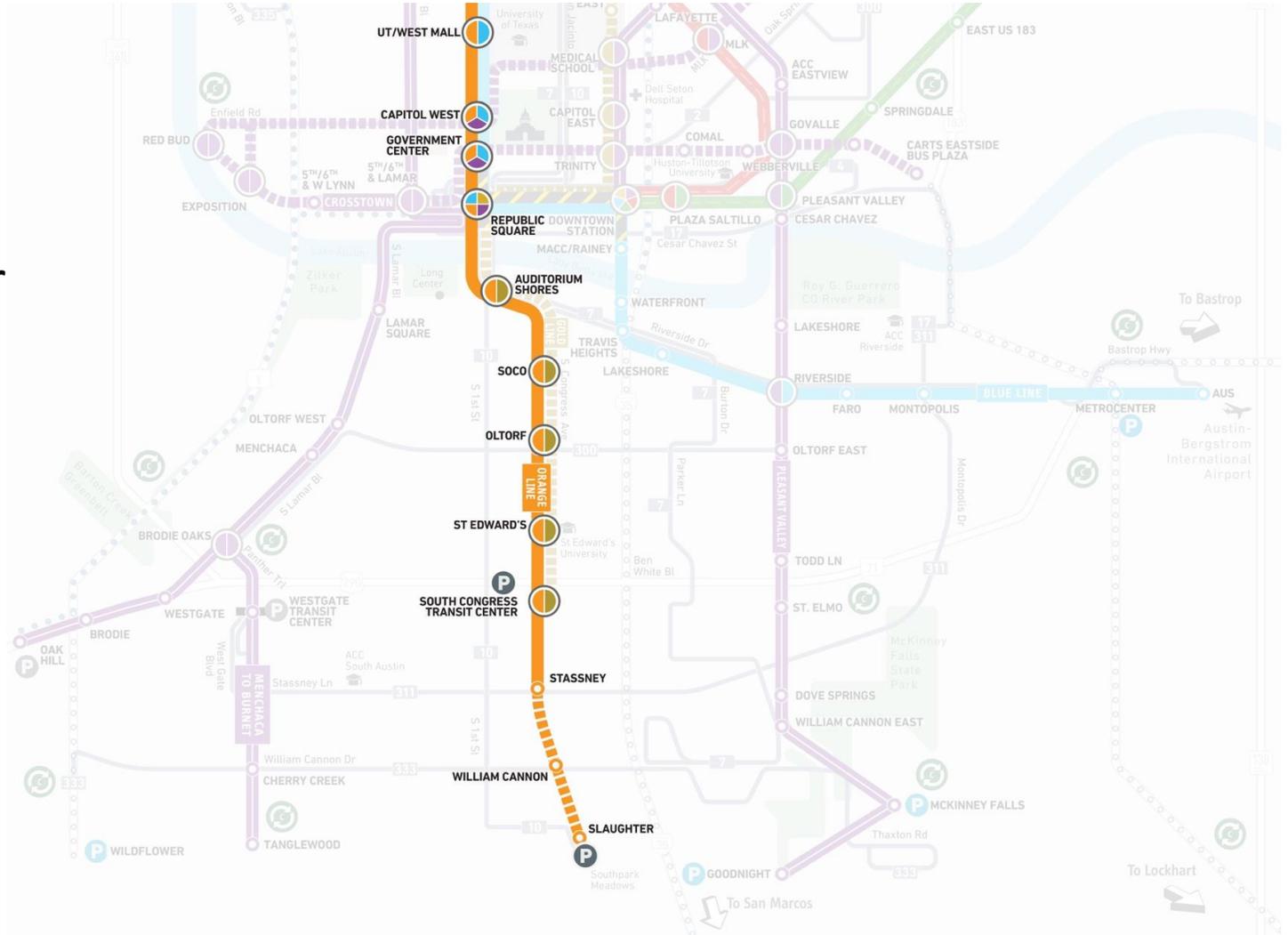
New Rail System

ORANGE LINE



Destinations include:

- North Lamar Transit Center
- Crestview
- UT
- Republic Square
- Auditorium Shores
- The SoCo District



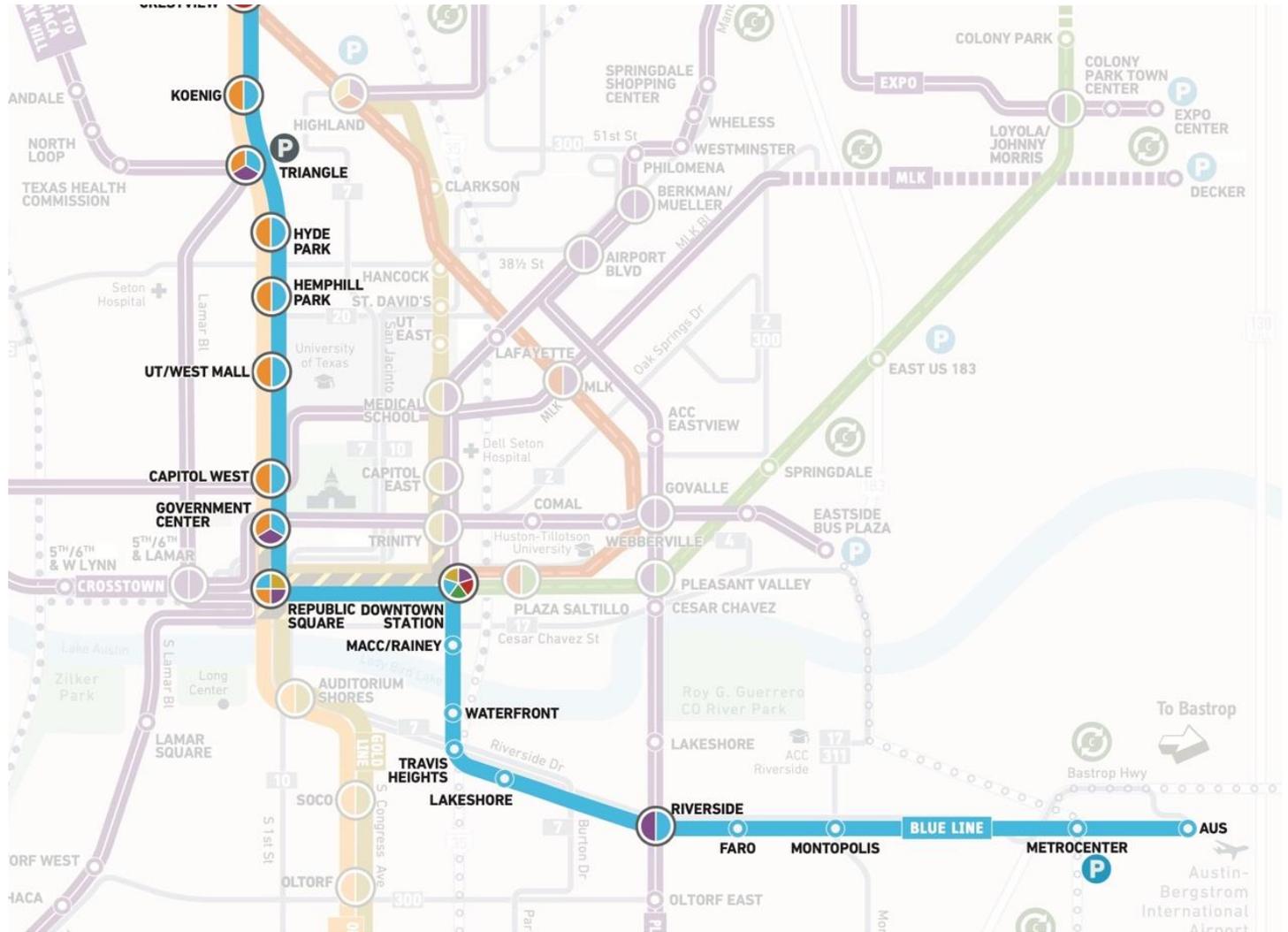
New Rail System

BLUE LINE



Light rail service to the airport.

Operating from North Lamar and U.S. 183 to downtown and directly to the airport.



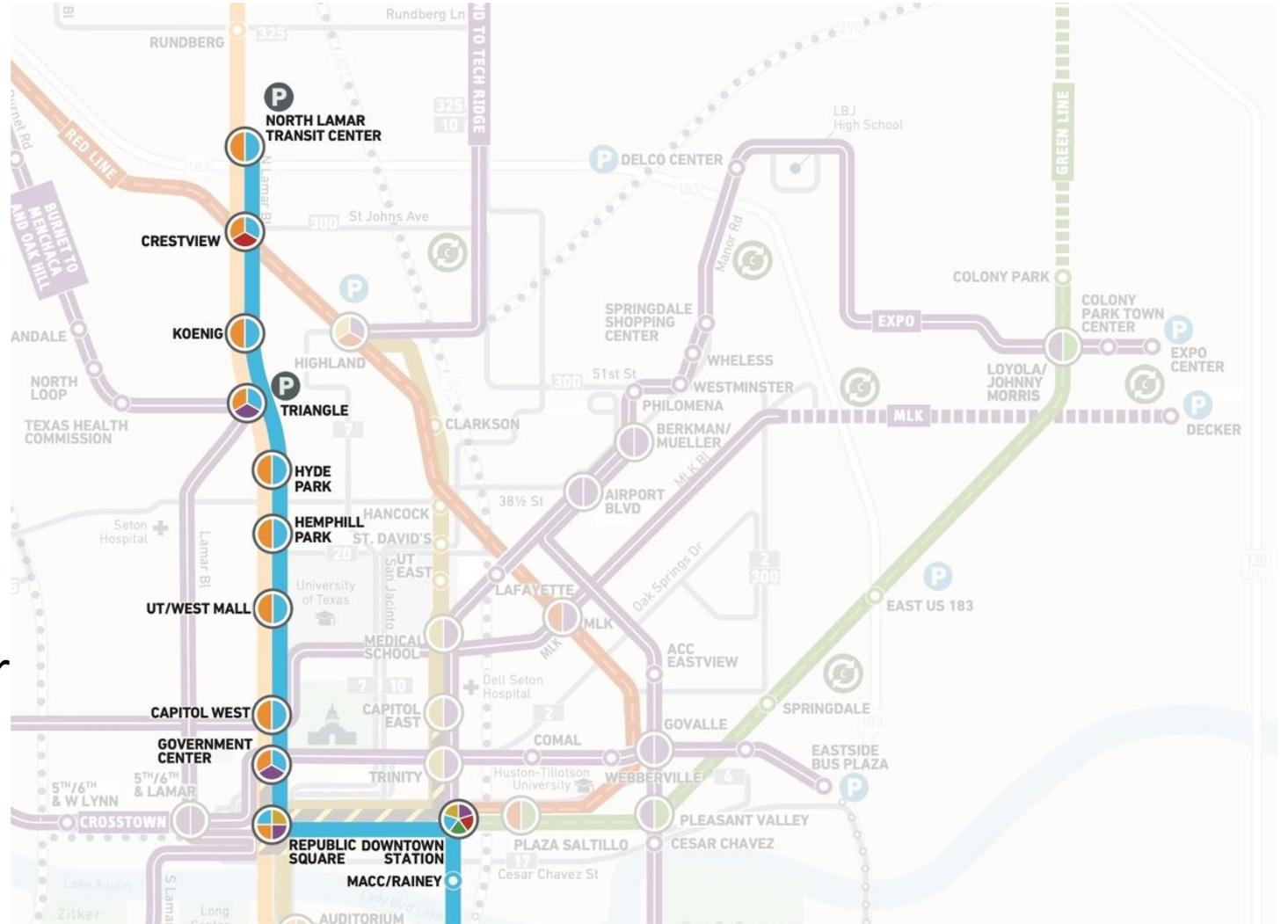
New Rail System

BLUE LINE



Destinations include:

- Austin-Bergstrom International Airport
- Lakeshore Drive
- Convention Center
- Rainey Street
- UT
- Crestview
- North Lamar Transit Center

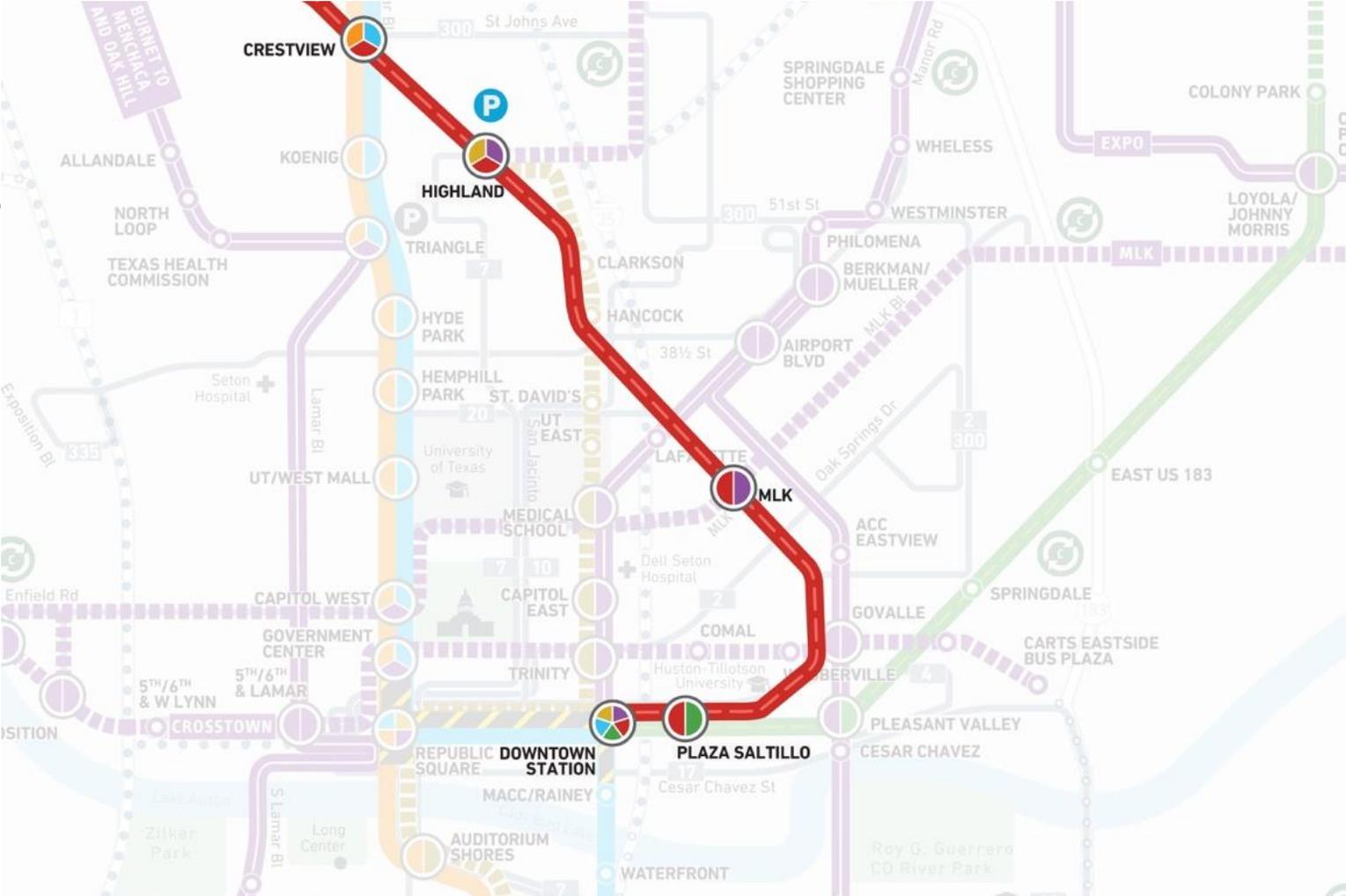


Rail System Expansion

RED LINE



Expanded regional rail stations serving The Domain and Austin’s FC Stadium.



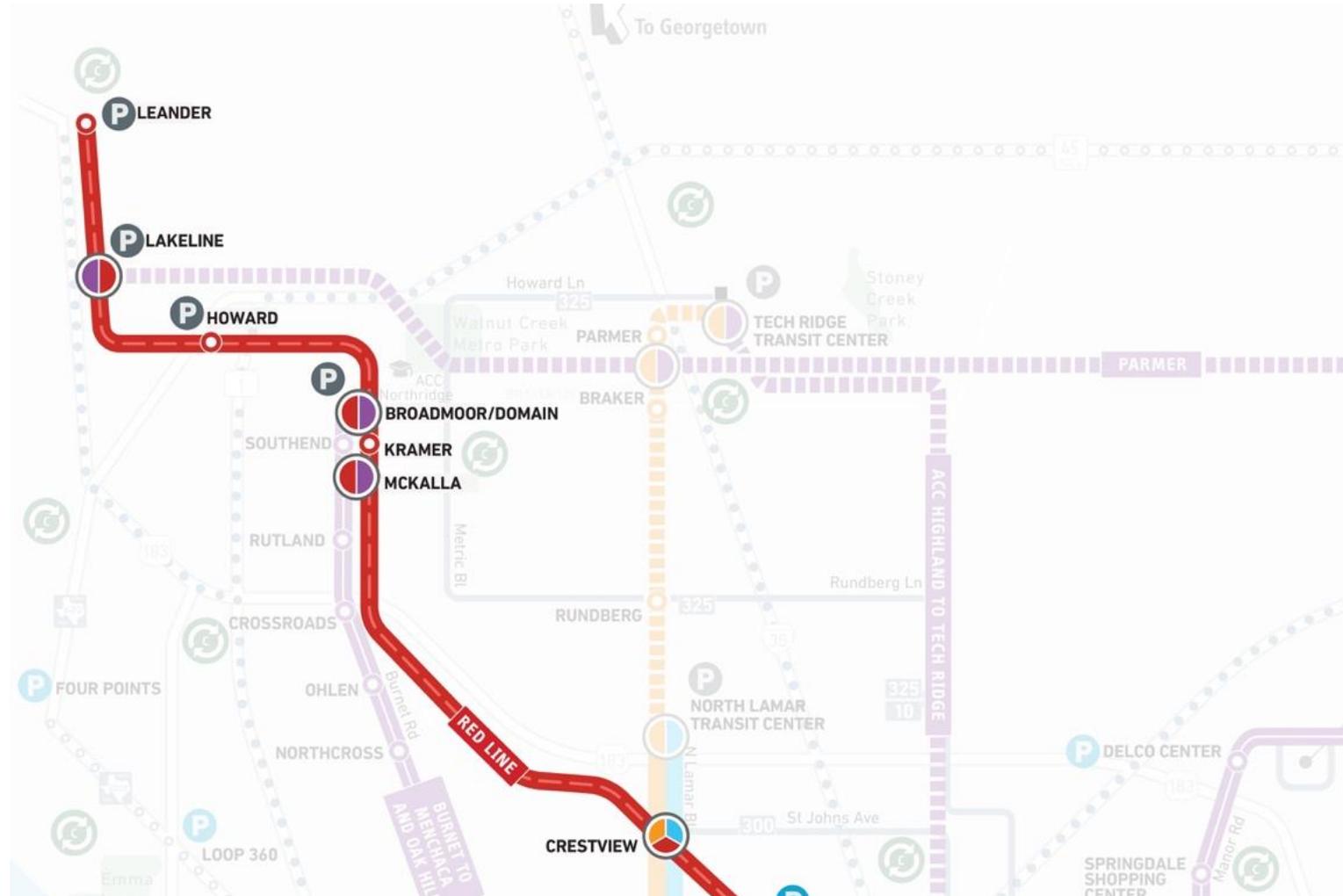
Rail System Expansion

RED LINE



Destinations include:

- Leander
- The Domain
- McKalla Place
- Crestview
- ACC Highland
- MLK
- Saltillo
- Downtown

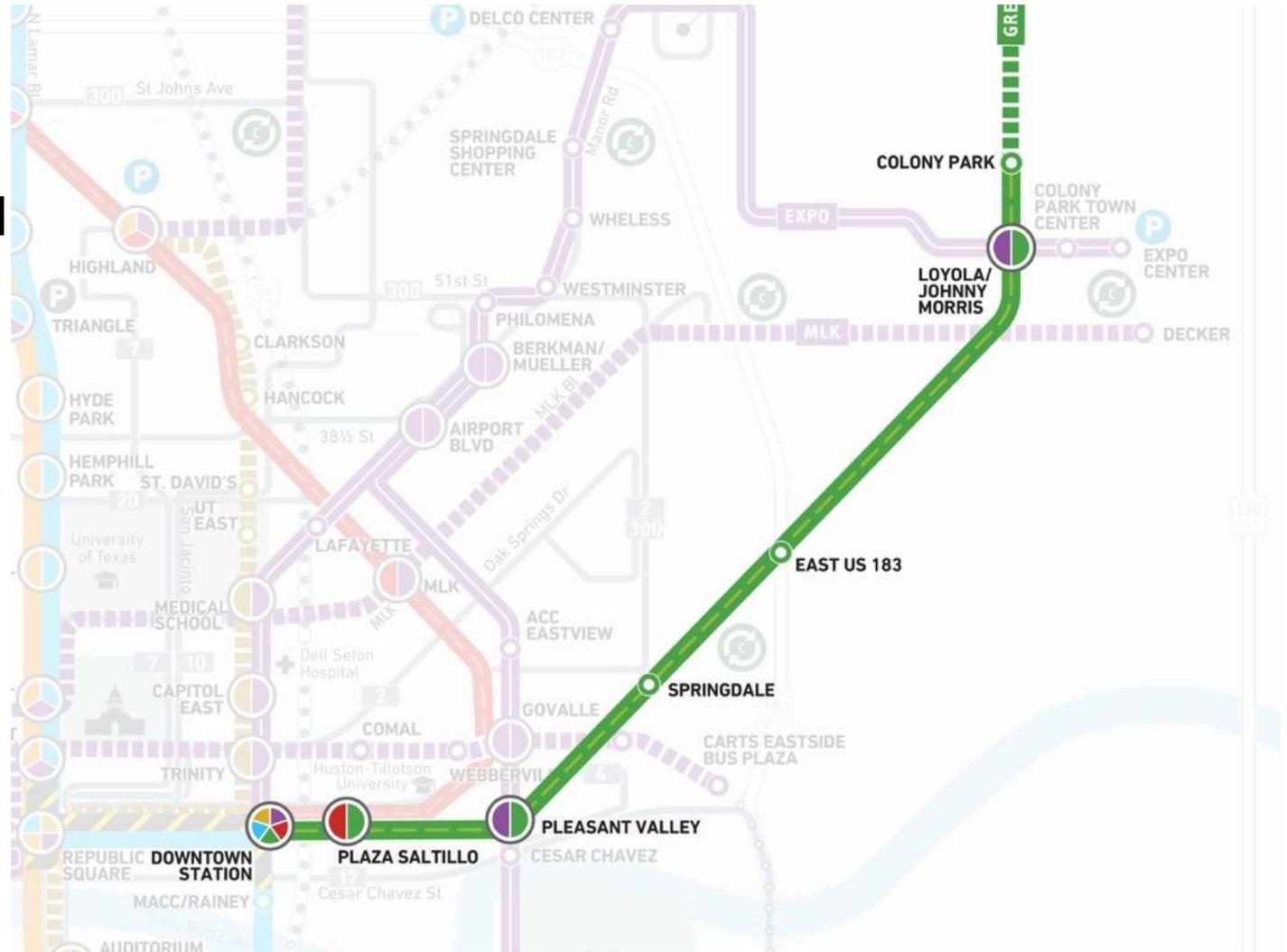


New Rail System

GREEN LINE



New regional rail service will connect downtown to East Austin's Colony Park, Manor and Elgin.



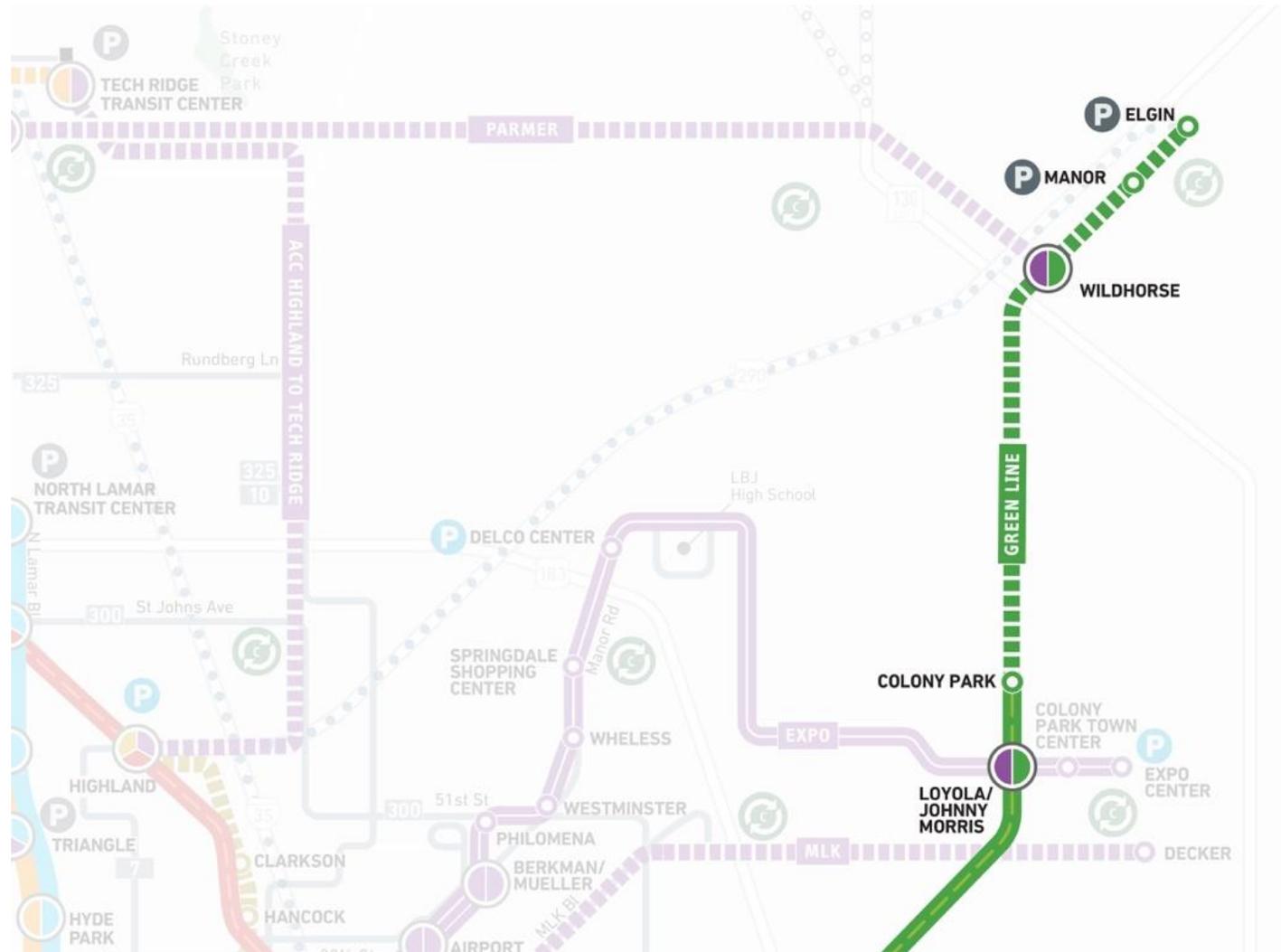
New Rail System

GREEN LINE



Destinations include:

- East Austin
- Springdale
- U.S. 183 Park & Ride
- Colony Park



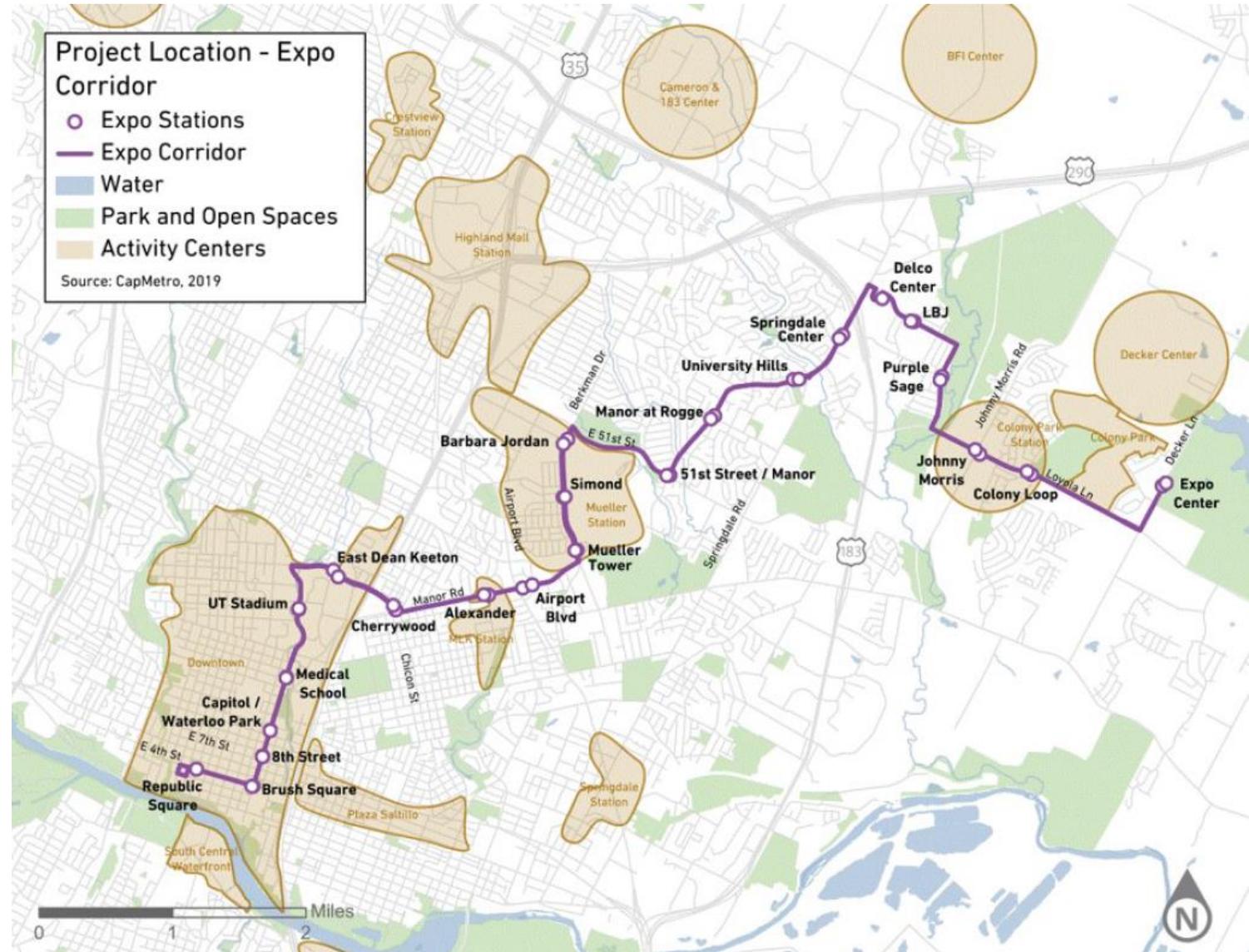
Expo MetroRapid Line

Project Objectives:

- Establish high-quality transit service east of IH35
- Provide service from northeast Austin to downtown
- Connect and improve access to major developments and destinations

44 Stations

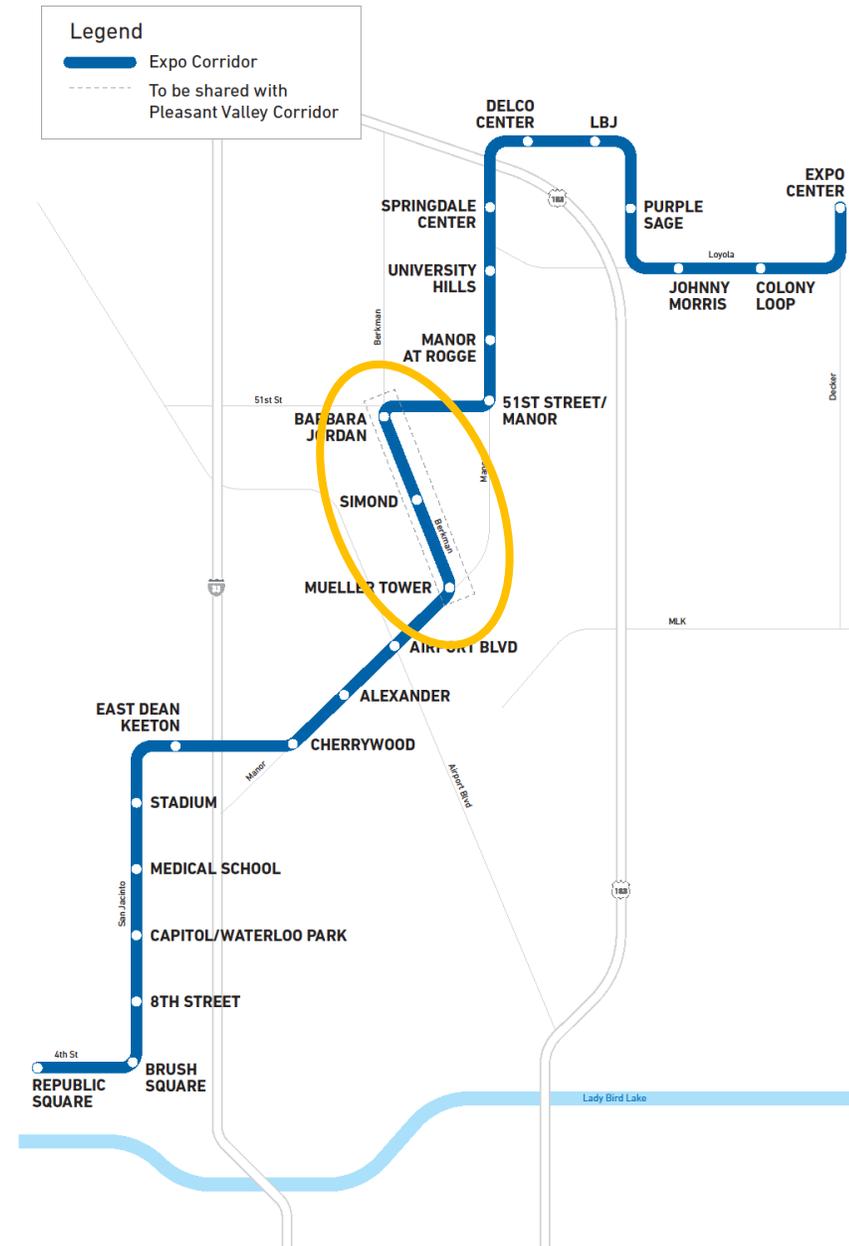
18 electric buses



Expo MetroRapid Line

Highlighted destinations:

- Travis County Expo Center
- AISD Delco Activity Center
- The University of Texas
- UT Stadium
- Dell Medical School
- Capitol complex
- Downtown
- Austin Convention Center
- Republic Square



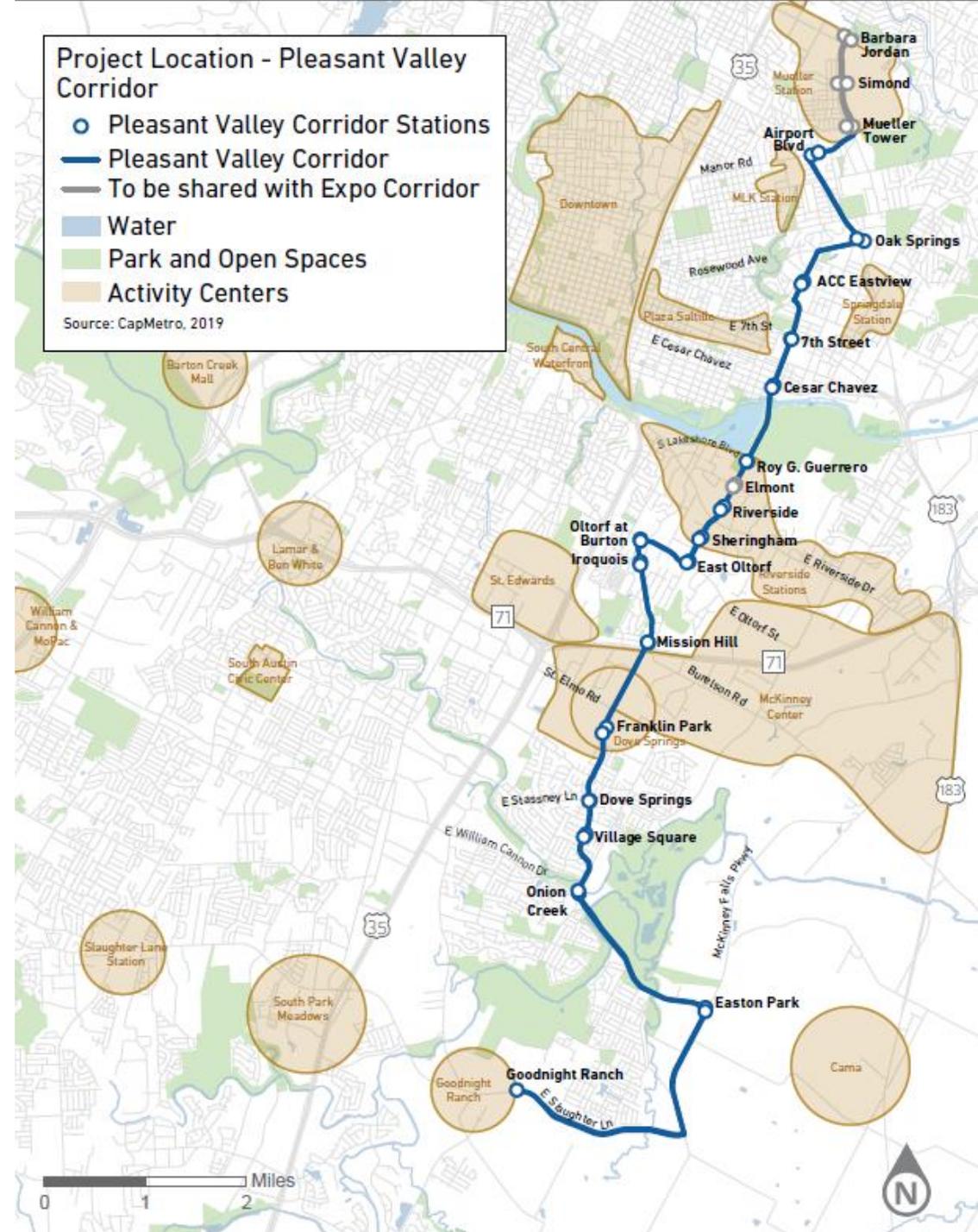
Pleasant Valley MetroRapid Line

Project Objectives:

- Establish high-quality transit service east of IH35
- Provide service from NE to SE Austin, growth areas for new development and redevelopment
- Connect and improve access to major developments and destinations

43 Stations (8 shared with Expo)

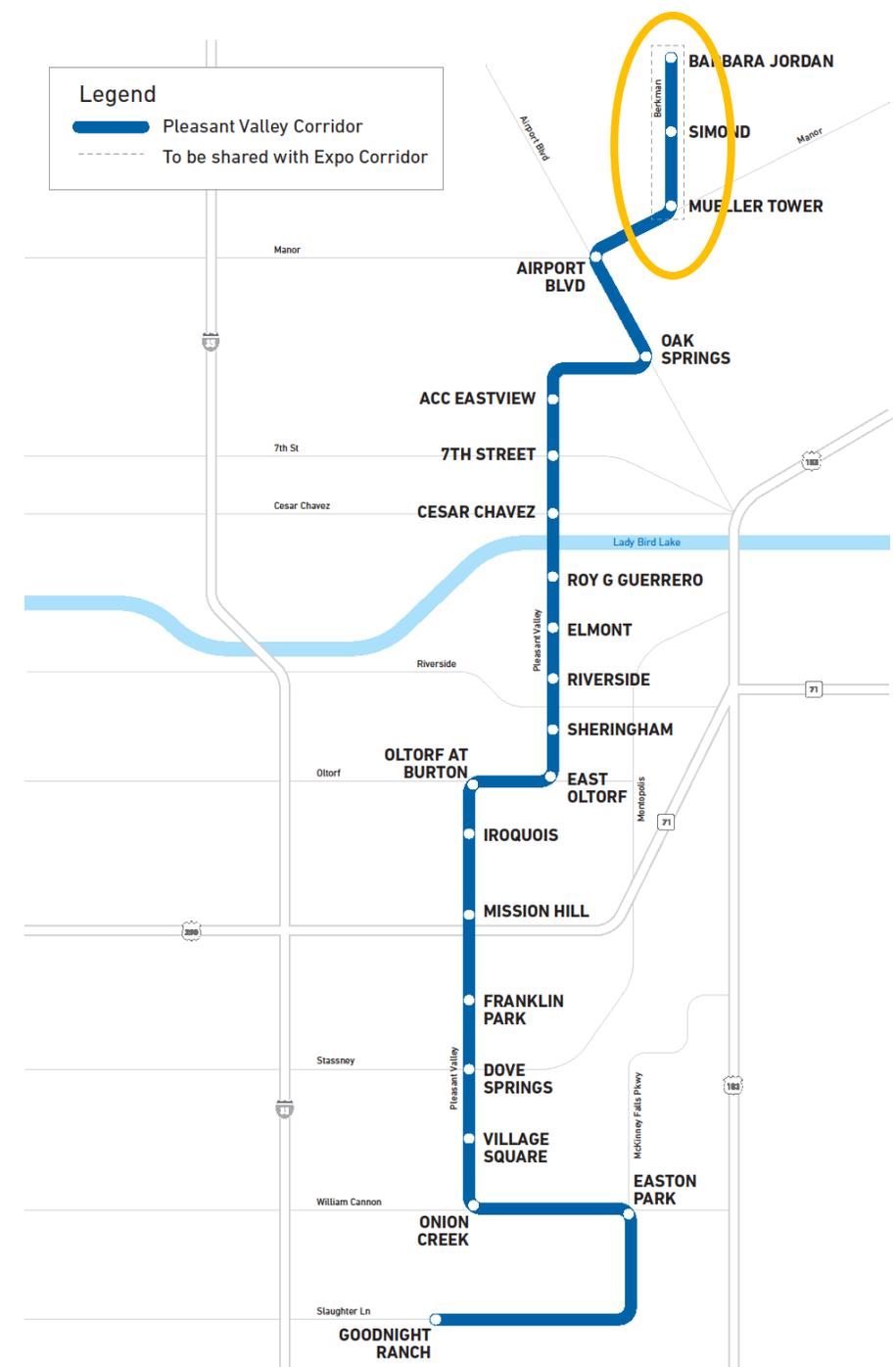
22 electric buses



Pleasant Valley MetroRapid Line

Highlighted destinations:

- Mueller
- ACC Eastview
- Lady Bird Lake
- Riverside (future Blue Line)
- Dove Springs
- Easton Park
- Goodnight Ranch



Multiple Routes Serving Mueller

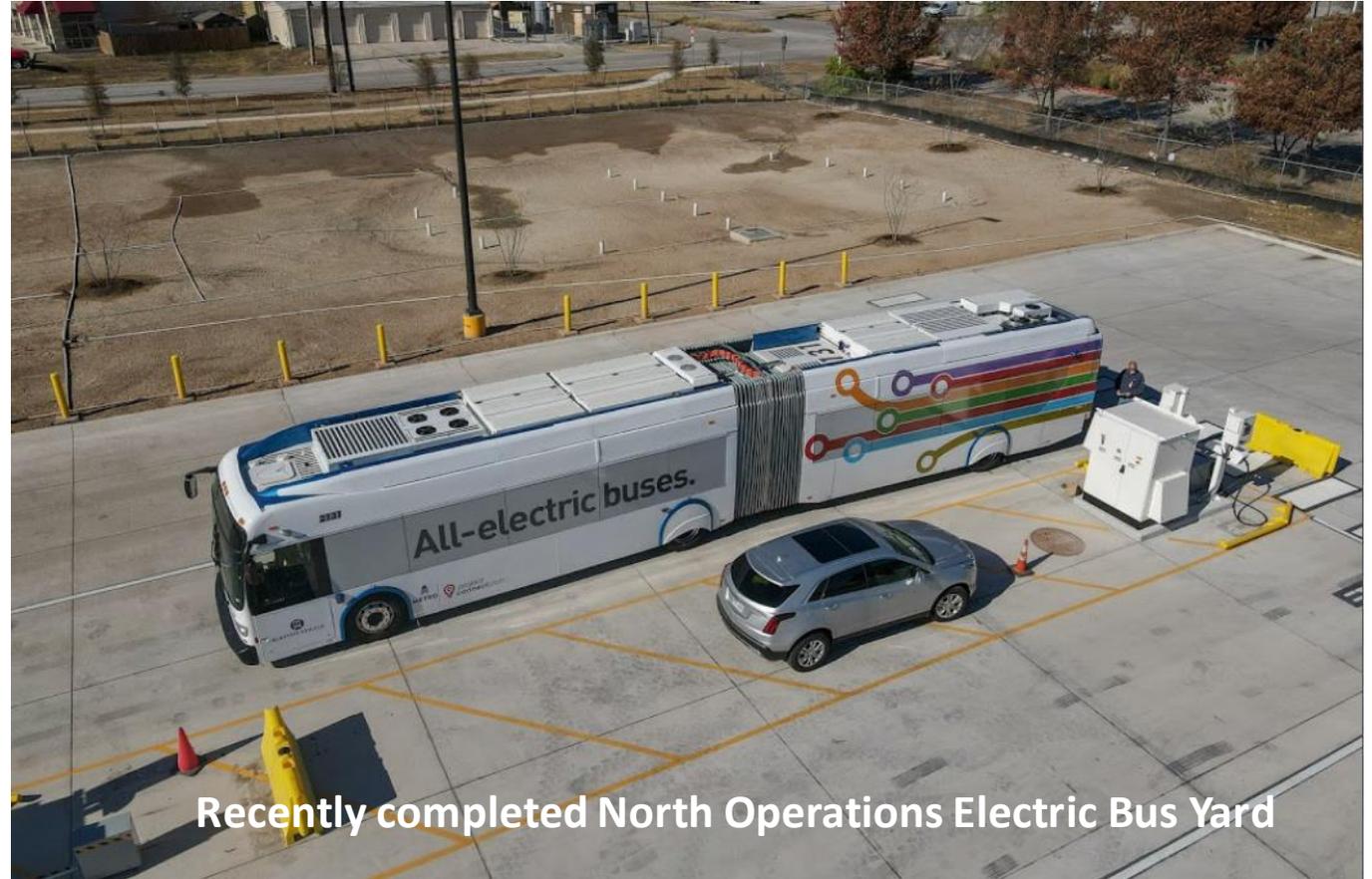
5 High-Frequency Lines

- MetroBus 10
- MetroBus 300
- MetroBus 335
- Expo MetroRapid
- Pleasant Valley MetroRapid



MetroRapid Service Characteristics

- 10-minute peak service; limited stops
- Transit Signal priority treatments
- All new vehicles will be zero emissions



Recently completed North Operations Electric Bus Yard

MetroRapid Service Amenities

- New shelter design; 2 sizes full & neighborhood scale
- Solar where possible
- Cameras (CCTV)
- Dynamic Message Screens (DMS) - Real Time Arrival Info
- Ticket Vending Machines (TVM) at key locations
- Near level boarding
- Potential for public art, community information panels



Station Concept

Electric Infrastructure

- 40' electric buses
- Stations designed for 60' buses
- Pantograph overhead charging
- Fast chargers at end of line
- ~ 12-minute charge



Electric Charging Case Studies

The Cesar Chavez Transit Pavilion, Los Angeles Street Frontage Transit Center



Electric Charging Case Studies

Yue Man Square Bus Interchange, Hong Kong

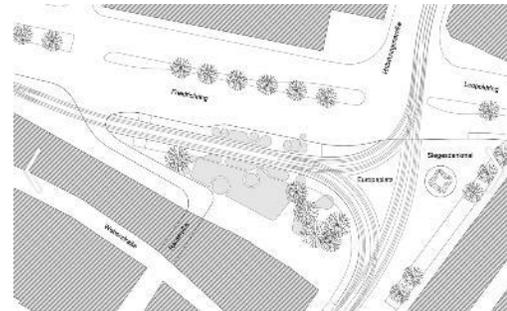
Hong Kong's largest indoor public transport interchange, boasting the city's first air-conditioned bus depots



Electric Charging Case Studies

Pavilion on Europaplatz, Freiburg Germany

Freestanding pavilion combines public transportation with urban experience and meeting point



Electric Charging Case Studies

Bus Stops with Entertainment

Structures that bring communities together



Swings and hopscotch at a bus stop in McAllen, TX.



The Farmer's Market at Netpark Transfer Center in Tampa, FL.



Playground at the Transit Terminus Park in Vernon, B.C.



The letters at a bus stop in Baltimore, MD form a rain shelter, lounge, and place to slide and climb.



A large tic-tac-toe game at a bus stop.



A decorated garden at a bus stop in Cheshire, UK.

Expo and Pleasant Valley Budget & Schedule

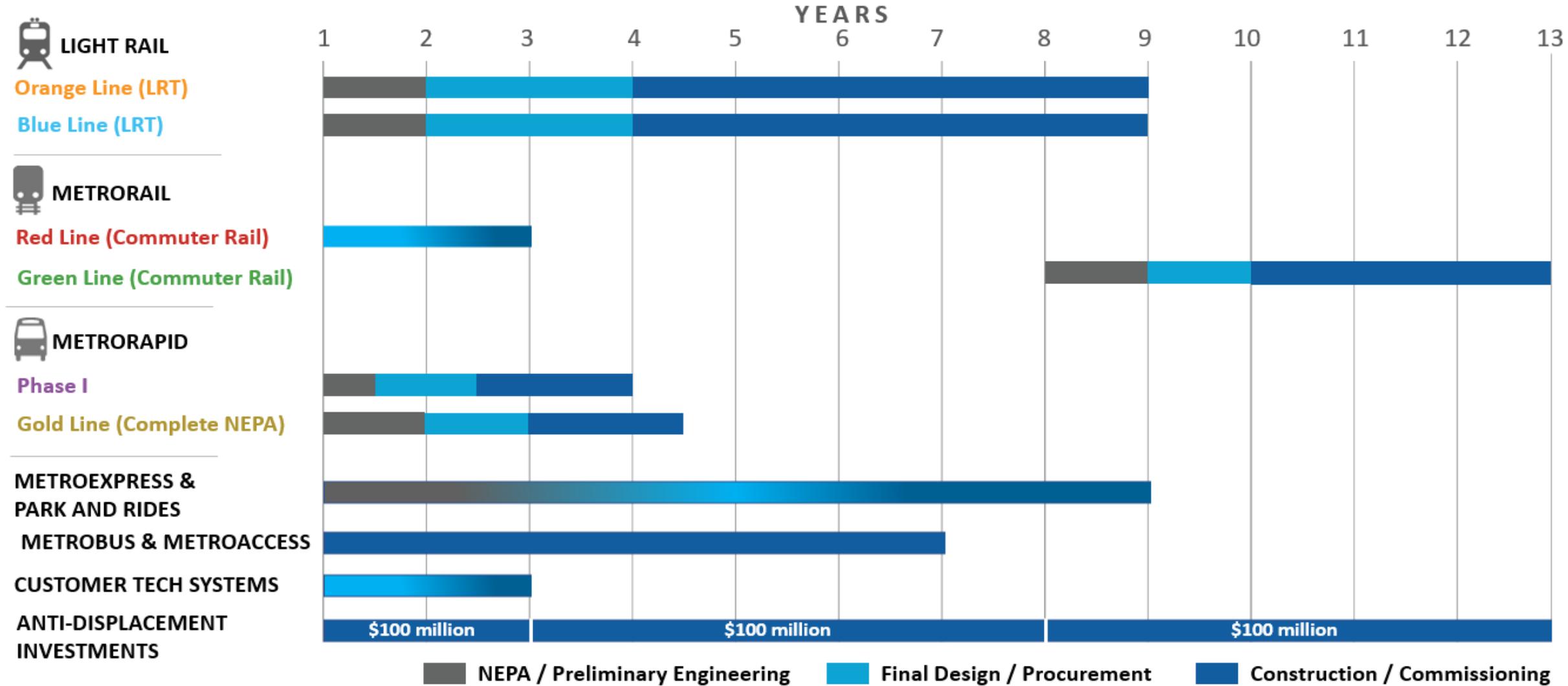
- Budget: Half expected to come from federal grants
 - Expo: \$44.6 M
 - Pleasant Valley: \$48.9 M
- Expo & Pleasant Valley Lines Federal Transit Administration grant funding included in President's budget (May 2021)
- Environmental approval process complete
- 30% design complete; final design in progress
- Groundbreaking by the end of this year / early next year
- In service mid 2023



Project Connect in Context



Program Sequence Plan



INTEGRATED PROGRAM DELIVERY PARTNERSHIP



- Orange Line
- Blue Line
- Tunnel
- Green Line - Phase 1
- Facilities



- MetroRapid
- MetroExpress
- Neighborhood Circulators (Pickup)
- Customer Tech
- Red Line - Phase 1



- Transit Supportive Investments
- Anti-Displacement Investments
- Permitting
- Right of Way, etc.

PROGRAM TOTAL - \$7.1 BILLION

Austin Transit Partnership – Independent Board



**Chair Veronica
Castro de Barrera**

Community
Representative –
Engineering &
Construction



**Vice Chair
Dr. Colette Pierce
Burnette**

Community
Representative –
Planning &
Sustainability



Eric Stratton

Capital Metro Board
Representative



Mayor Steve Adler

Austin City Council
Representative



Tony Elkins

Community
Representative –
Finance



Peer City Investments



LOS ANGELES

Measure M - \$120 Billion (40 years)



SEATTLE

Sound Transit 3 - \$54 Billion



DENVER

FasTracks - \$8 Billion



MINNEAPOLIS

System Expansion - \$3.1 Billion



INDIANAPOLIS

Red Line BRT Project - \$100 Million



Transit & Placemaking

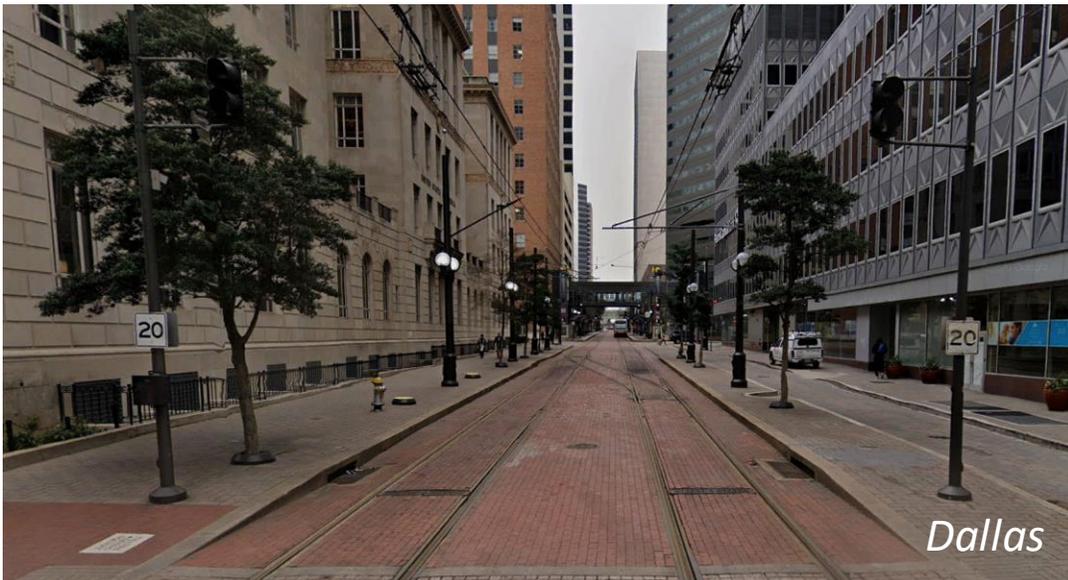
Integrated Art Elements – Houston METRO



Placemaking – Denver Union Station



Transit & Placemaking

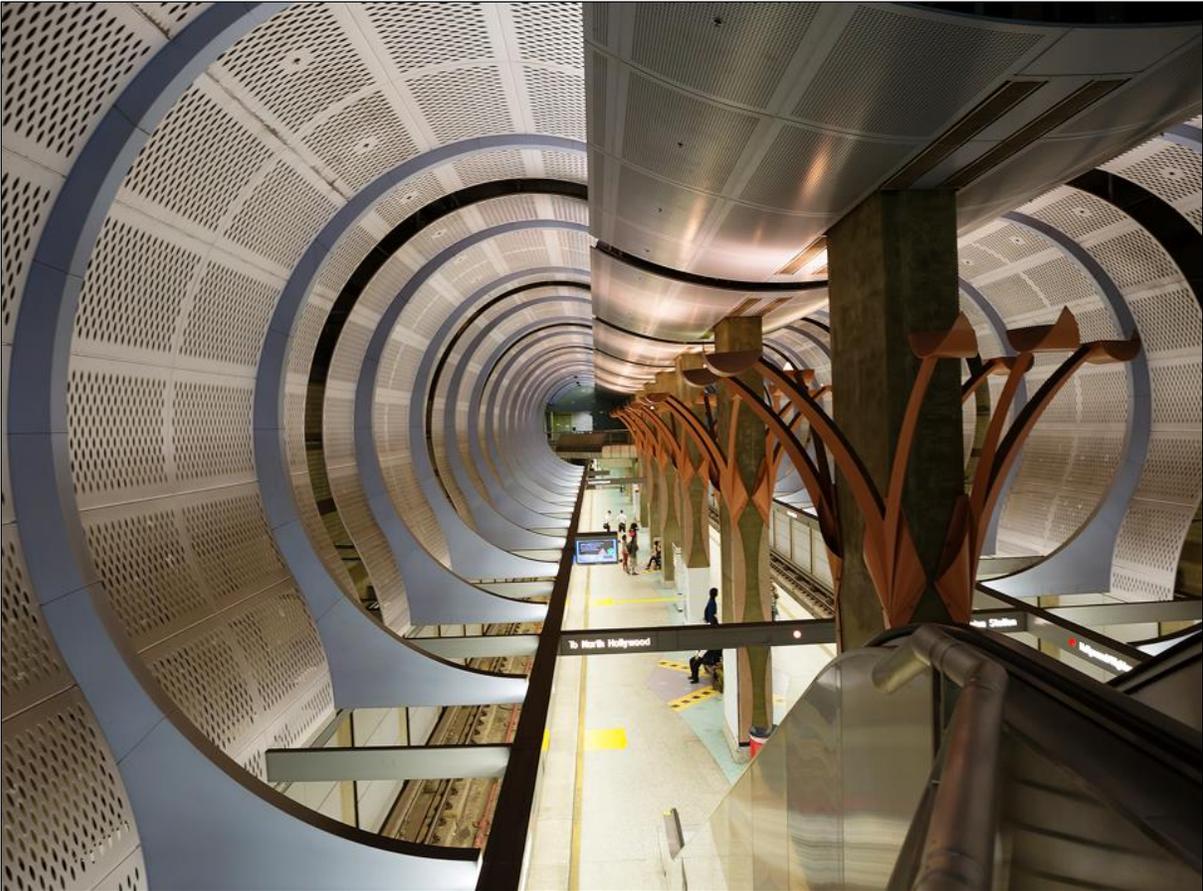


Transit & Placemaking

LEED Certified Facilities – Julia Carson Transit Center (IndyGo)



Art in Station Design – Hollywood / Highland (LA Metro)



Transit & Technology

Surface Current Collection - France



Volvo Autonomous Bus - Singapore



Hydrogen Fuel Cells - Germany





Get Involved!



Welcome

Working Group

Offers members an opportunity to understand more about Project Connect and provide valuable insight to the project team on what's important to you and our community

Roles/Responsibilities

- Serve as a focus group for NEPA and construction outreach and planning
- Serve as community sounding board for project milestones
- Provide insight on community interest areas/potential concerns
- Share information within community/networks



Blue & Orange Line Working Groups

BLUE LINE



Blue Line

- Metro Center / Airport
- East Riverside (Montopolis)
- South Shore (Travis Heights)

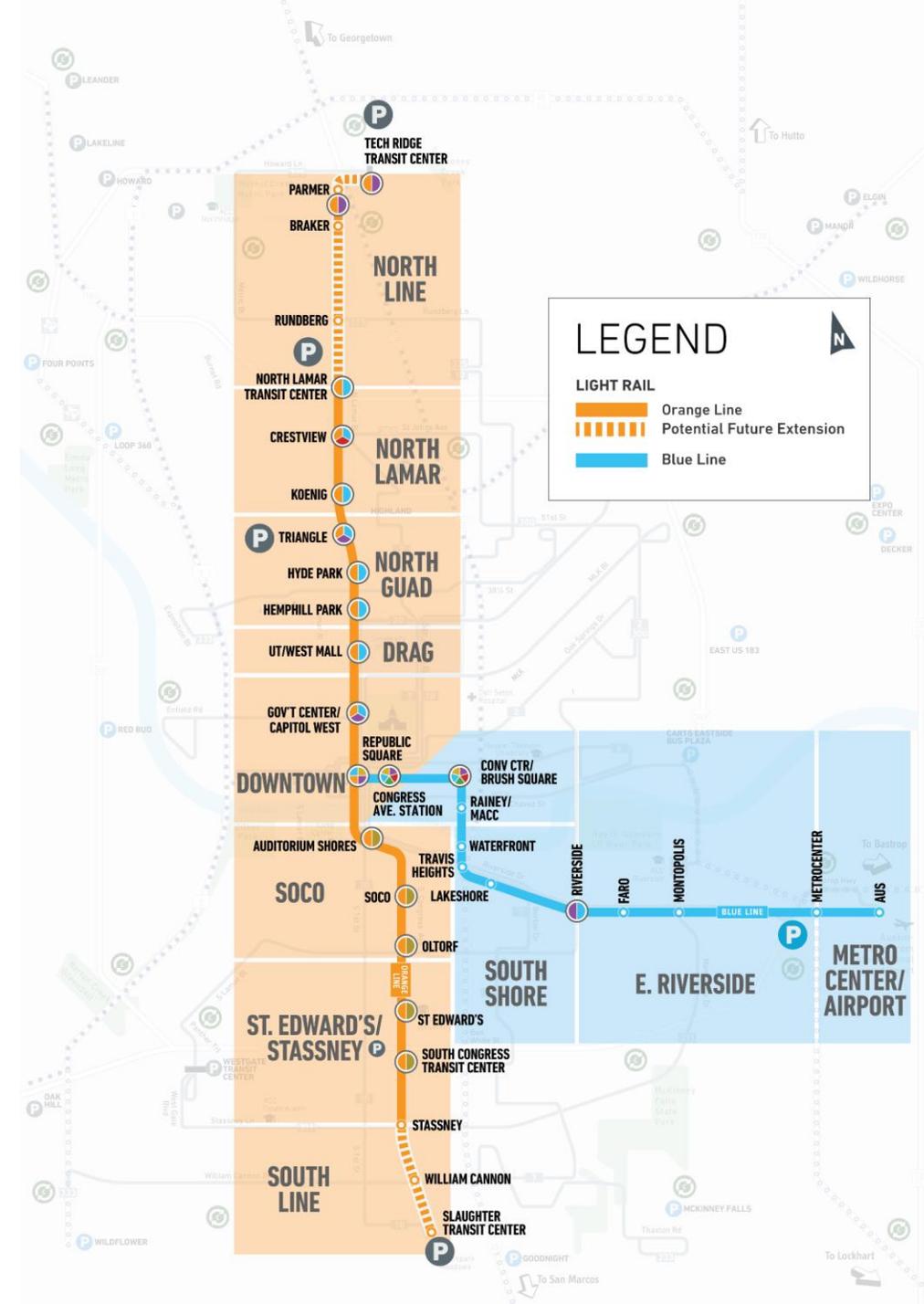
ORANGE LINE



Orange Line

- North Line
- North Lamar
- North Guadalupe
- Drag (UT)
- SoCo
- St. Edward's / Stassney
- South Line

Downtown Working Group



Share Your Feedback

Get involved! projectconnect.com/get-involved

Join a Project Connect Working Group

- <http://projectconnect.com/groups>

Other ways to submit feedback:

E-mail: feedback@capmetro.org

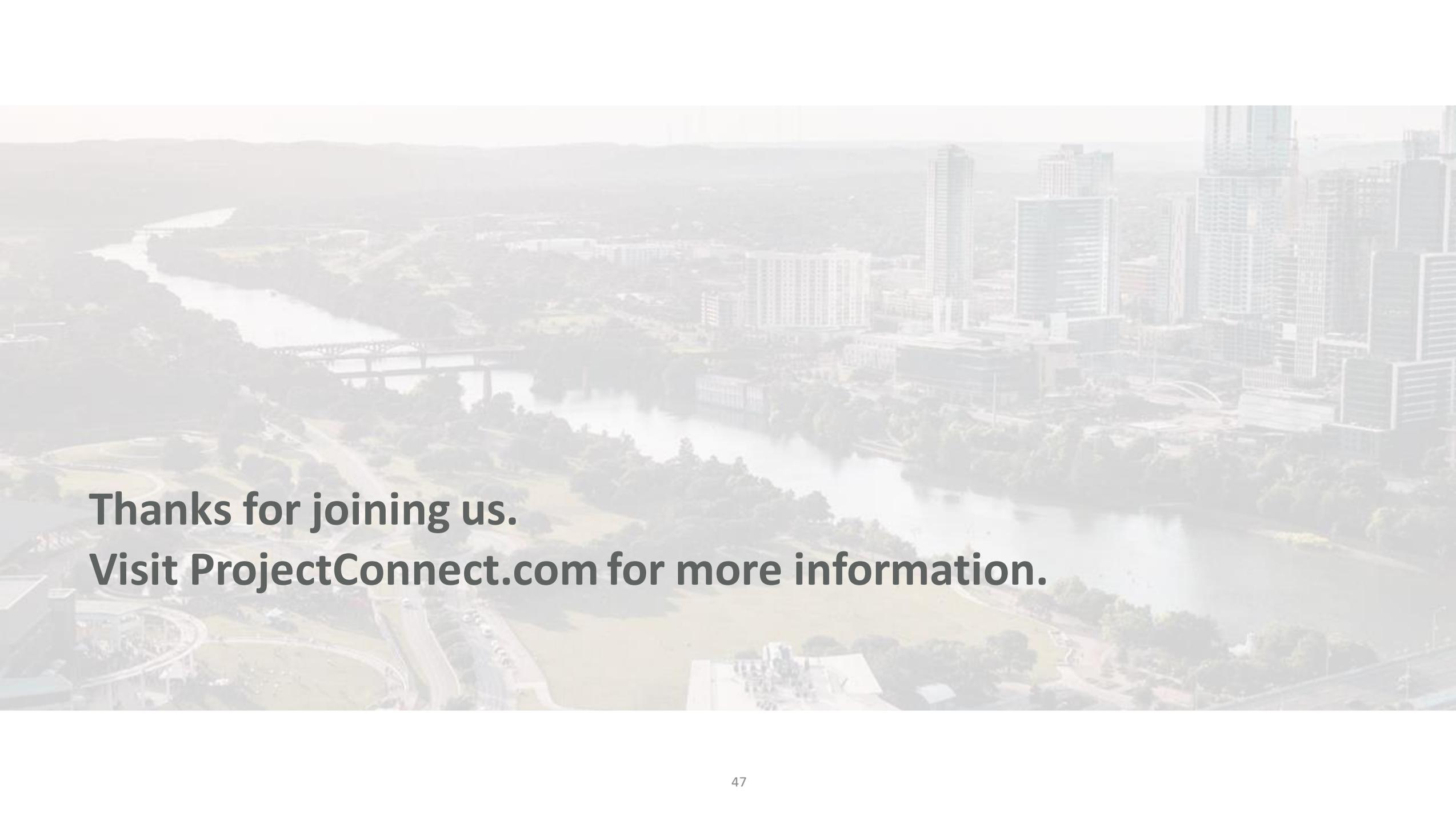
Mail: Project Connect Planning Team
Capital Metro
607 Congress Avenue
Austin, TX 78701

Project Hotline: (512) 369-7719

Materials are available in English and Spanish online at:

projectconnect.com/get-involved



An aerial photograph of a city, likely Atlanta, Georgia, showing a wide river (the Chattahoochee River) winding through the landscape. In the foreground, there are green spaces and a bridge crossing the river. The middle ground is filled with various buildings, including a large, modern, multi-story structure. In the background, a dense cluster of skyscrapers forms the city skyline. The overall scene is captured from a high angle, providing a comprehensive view of the urban environment.

**Thanks for joining us.
Visit ProjectConnect.com for more information.**