
AUSTIN TRANSIT PARTNERSHIP

AUSTIN LIGHT RAIL UPDATE

PLANNING COMMISSION

APRIL 25, 2023



WHAT IS LIGHT RAIL

- Light rail is an electric train system used in metropolitan areas
- Light rail is part of the overall transit network, connecting people to key destinations where they live, work and play to improve:
 - **Mobility**
 - **Connectivity**
 - **Affordability**
 - **Sustainability**

ARTIST REPRESENTATIONS



Light Rail Vehicle



Light Rail Vehicle Interior



Guadalupe Street at UT Austin



Multi-Modal Connectivity



Station View at Pleasant Valley

PRECEDENTS



Paris, France



Portland, Oregon



Sydney, Australia

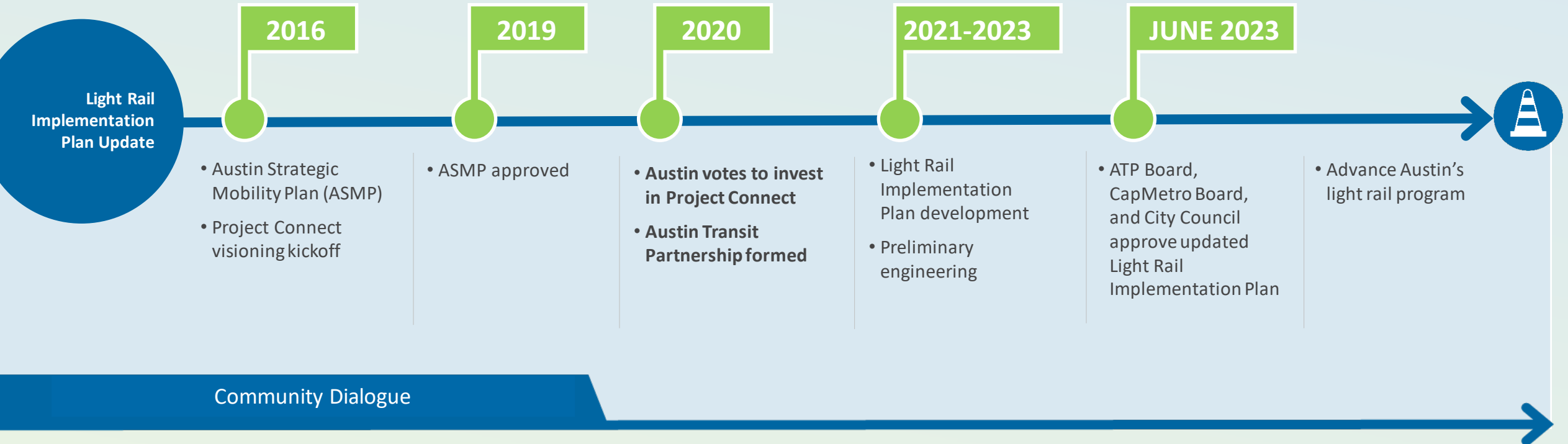


Seattle, Washington



Ontario, Canada

AUSTIN'S PATH TO LIGHT RAIL



MEASURES AND VALUES



Financial Viability



Technical Feasibility



Federal Transit Administration (FTA) Criteria for Federal Funding



Planning Data

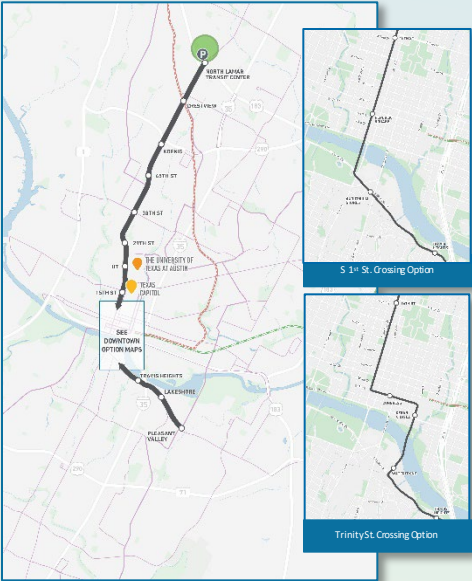


Community Values

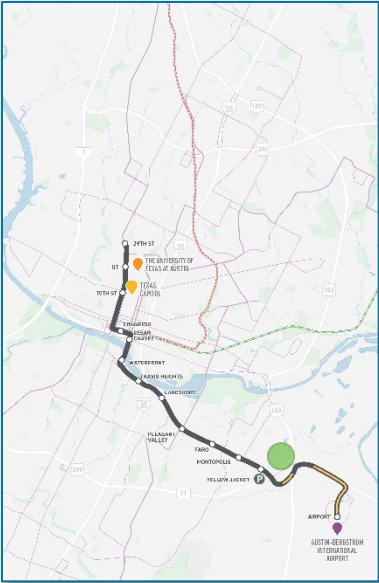


Connects with Austin's Current and Future Transit System

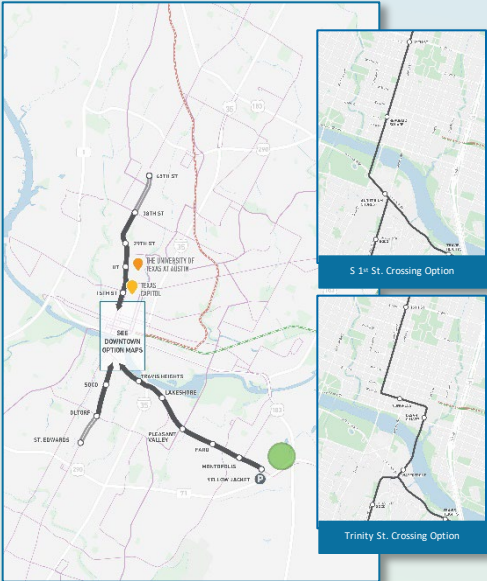
LIGHT RAIL CORE SYSTEM OPTIONS



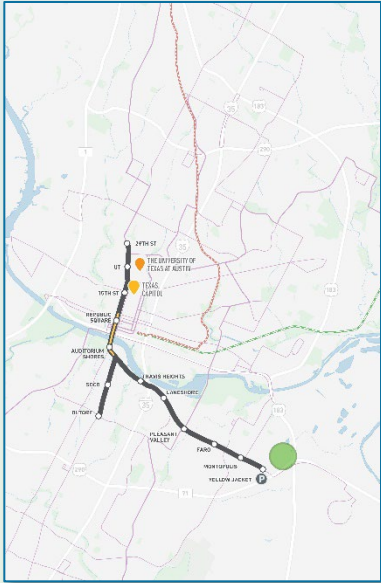
ON-STREET:
NORTH LAMAR TRANSIT CENTER
TO PLEASANT VALLEY



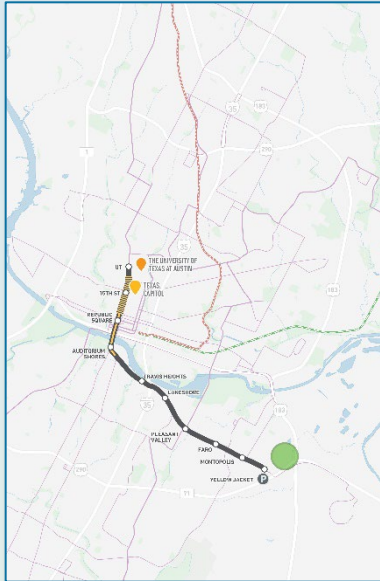
ON-STREET:
29TH TO THE AIRPORT



ON-STREET:
38TH TO OLTORF TO YELLOW JACKET



PARTIAL ELEVATED:
29TH TO OLTORF TO YELLOW JACKET



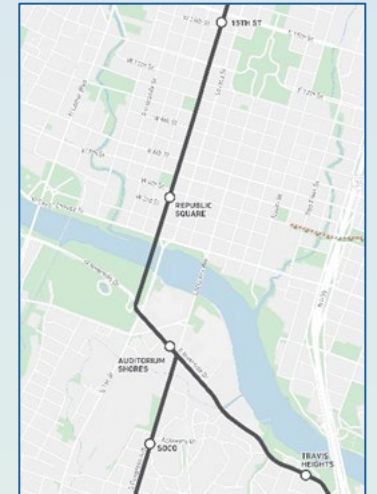
PARTIAL UNDERGROUND:
UT TO YELLOW JACKET

ON-STREET DOWNTOWN

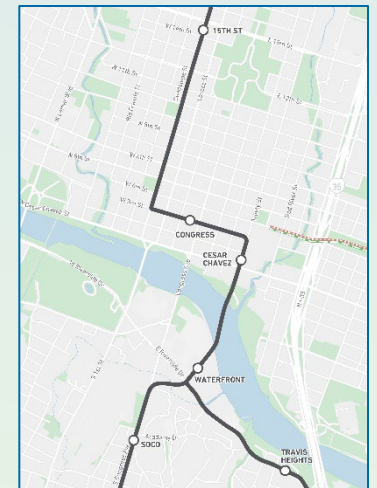
ARTIST REPRESENTATION



East 3rd Street and San Jacinto Boulevard - Looking West



S 1st St. Crossing Option



Trinity St. Crossing Option

ON-STREET DOWNTOWN

ARTIST REPRESENTATION



Guadalupe Street at 4th Street / Republic Square - Looking Northwest

PRECEDENTS



Sydney



Jerusalem



Paris

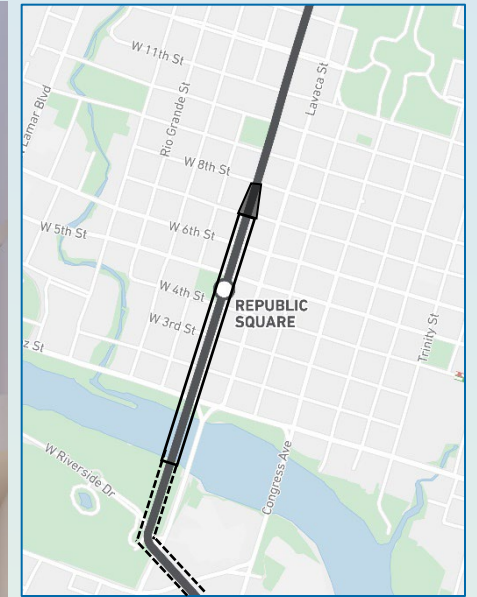



Portland

ARTIST REPRESENTATION



Guadalupe Street at 4th Street / Republic Square - Looking Northwest



 Elevated Structure possible extension south to Riverside/Barton Springs Road

PARTIAL ELEVATED DOWNTOWN

ARTIST REPRESENTATION



Guadalupe Street and West 5th Street - Looking South

PRECEDENTS



British Columbia, Canada



The Hague, Netherlands



The Hague, Netherlands

PARTIAL ELEVATED DOWNTOWN

ARTIST REPRESENTATION



Guadalupe Street and West 4th Street - Looking South

PRECEDENTS



British Columbia, Canada



The Hague, Netherlands



The Hague, Netherlands

MAINTENANCE FACILITY

- Needed to ensure electric light rail vehicles are properly maintained and stored.
- Functions include:
 - Electric light rail vehicle (LRV) storage
 - LRV cleaning (interior and exterior)
 - Repairs, inspections, preventative maintenance
 - Crew, administrative, and supervisor spaces
 - Light rail transit control center



Sound Transit, Operations & Maintenance Facility East – Bellevue, Washington

MAINTENANCE FACILITY – COMMUNITY OPPORTUNITIES

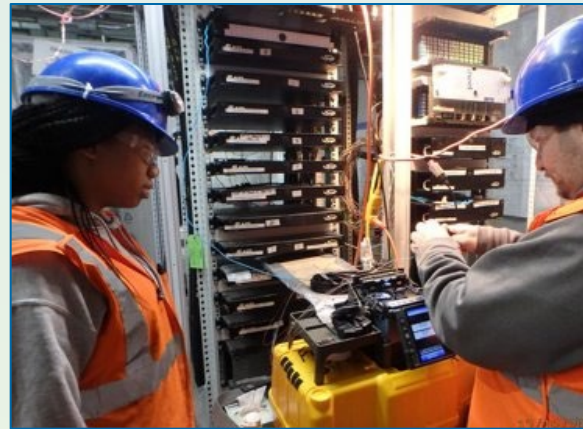
- Education Partnership Potential
 - Middle school mentorship programs
 - High School - Career & Technical Education
 - Community Colleges, Trade Schools
 - Phased-in approach
 - Construction to Ribbon-Cutting
 - Future operations
- Workforce Development, Certifications, Apprenticeships, Internships
- Other Potential Community Partnerships



CapMetro – Art on the Bus, 2022



Train Operator, Milwaukee



Fiber Optics Crew, MTA New York



Rail Operations Control, Norfolk Southern

SHARE YOUR FEEDBACK



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CODE TO
LEARN MORE**



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ProjectConnect.com/Get-Involved



Email Us
input@atptx.org



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203 Colorado St., Austin, TX 78701



Call Us
(512) 389-7590

**AUSTIN
TRANSIT
PARTNERSHIP**

THANK YOU!

ADDITIONAL INFORMATION

WHAT ARE WE HEARING



Support for ATP to build light rail as soon as possible



Questions about length and value of underground segment



Extents of options (e.g., why aren't any options extending to Stassney or SCTC)



Questions about timeline and budget



Feedback about elevated options downtown



Connectivity and improvements across other elements Project Connect



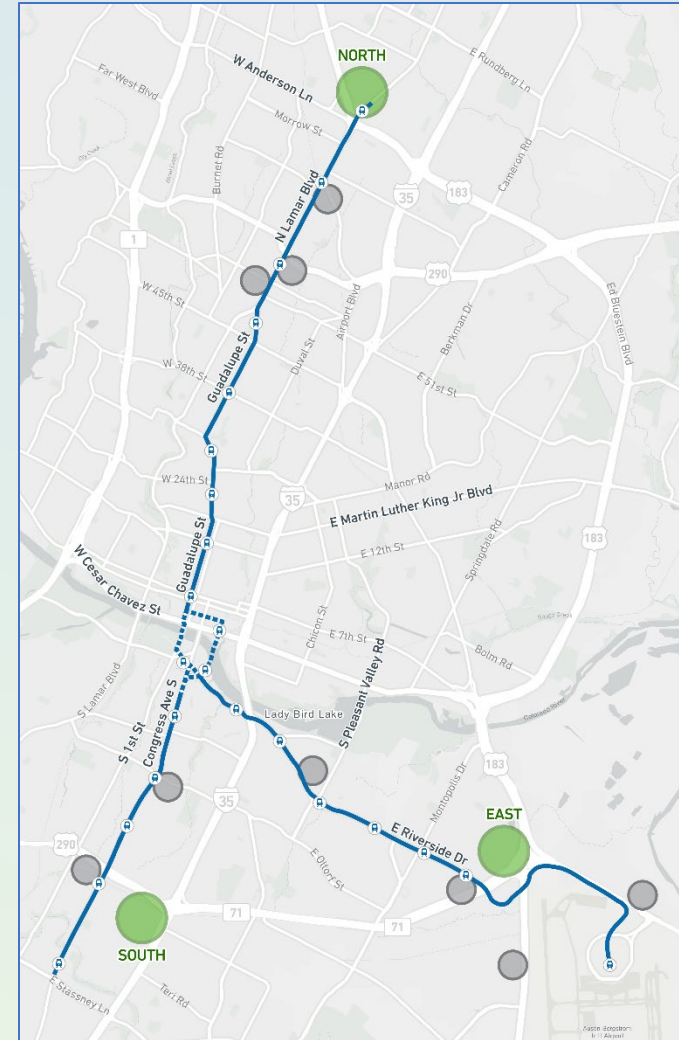
Mixed feedback about reaching the airport



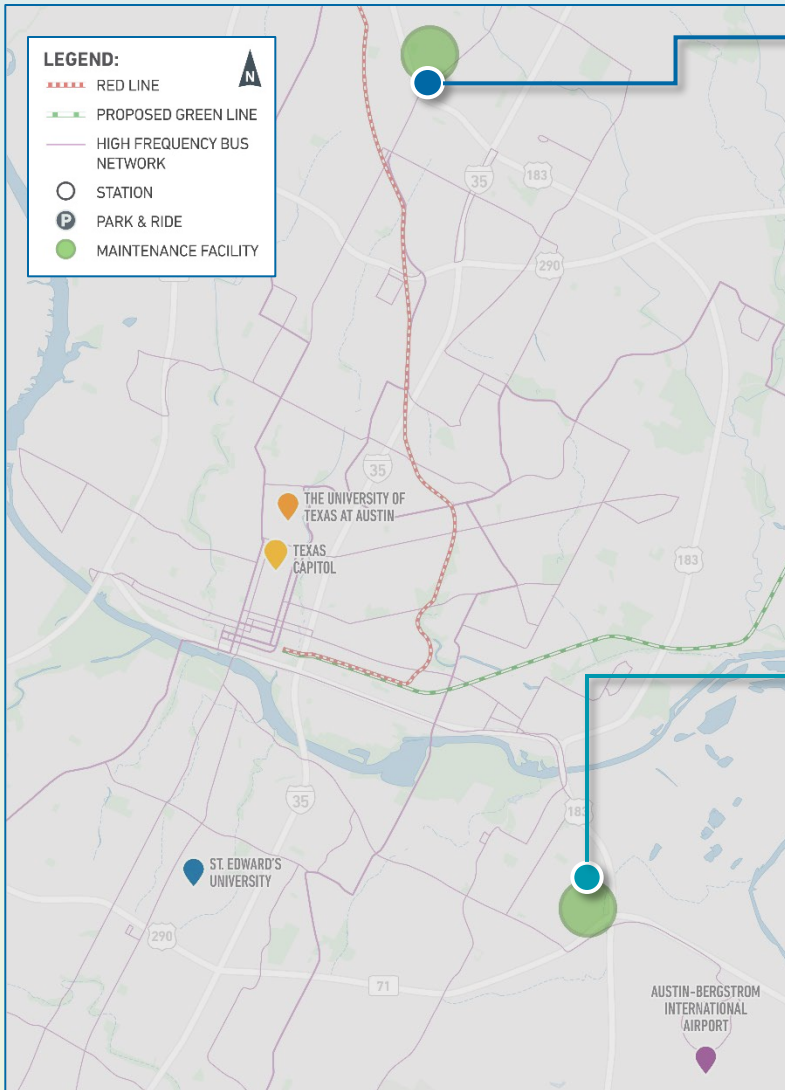
Questions about traffic operations and impacts, and reliability of options downtown

PROGRESS TO DATE: MAINTENANCE FACILITY

- 21 alternative sites identified for evaluation
 - Key criteria:
 - Real Estate availability
 - Size to accommodate initial and future fleet size
 - Environmental constraints
- Evaluation resulted in most viable options:
 1. Airport Commerce Dr
 2. St. Elmo (near South Congress Transit Center)
 - Not within options that fit in capital budget
 3. North Lamar Transit Center



DIFFERENCES BETWEEN MAINTENANCE FACILITY SITE OPTIONS



NORTH LAMAR TRANSIT CENTER

- More real estate acquisitions
- State owned ROW
- AE Transmission Line Project

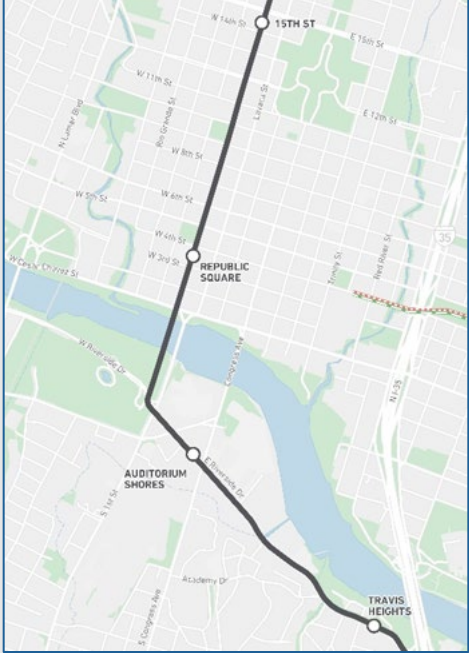
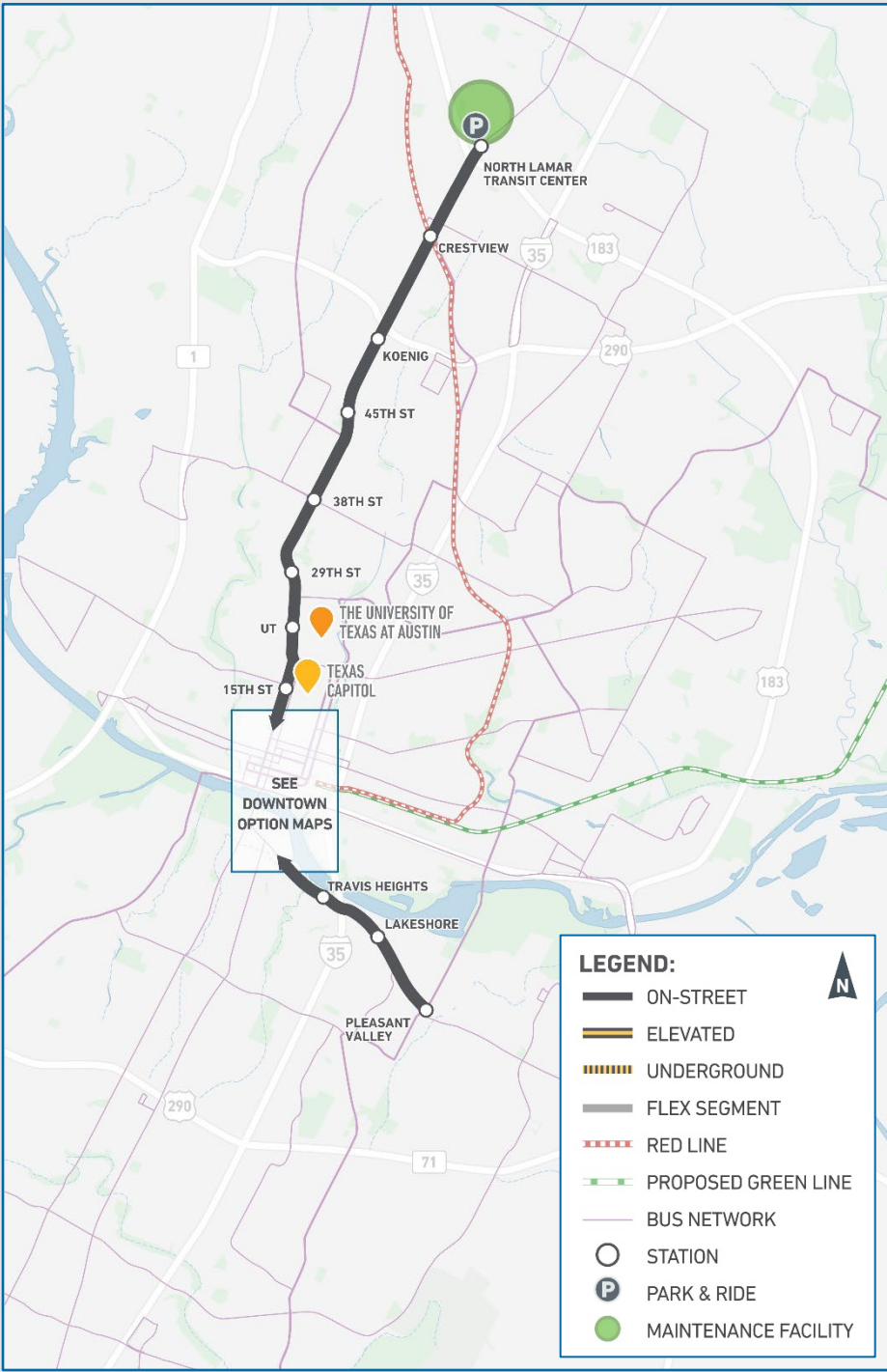
AIRPORT COMMERCE

- Utility relocations
- Airport overlay prevents residential land use

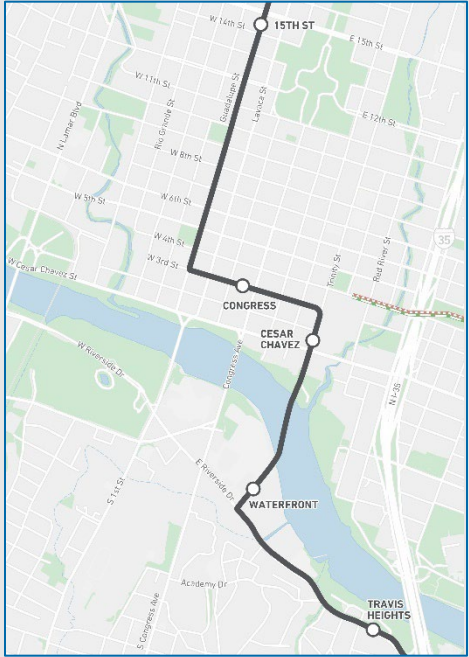
ON-STREET: N. LAMAR TRANSIT CENTER TO PLEASANT VALLEY

- On-street from North Lamar Transit Center to Pleasant Valley Rd. on E. Riverside Dr.
- Lady Bird Lake crossing options at Guadalupe/S. 1st St. OR Trinity St.

AVG. NUMBER OF DAILY RIDERS SERVED	38,600 - 39,300
MILES OF NEW LIGHT RAIL	9.6 - 9.8



Guadalupe/S. 1st St. Crossing Option

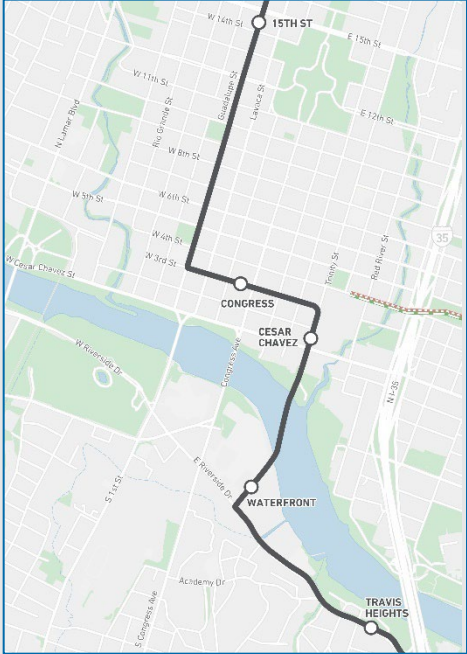
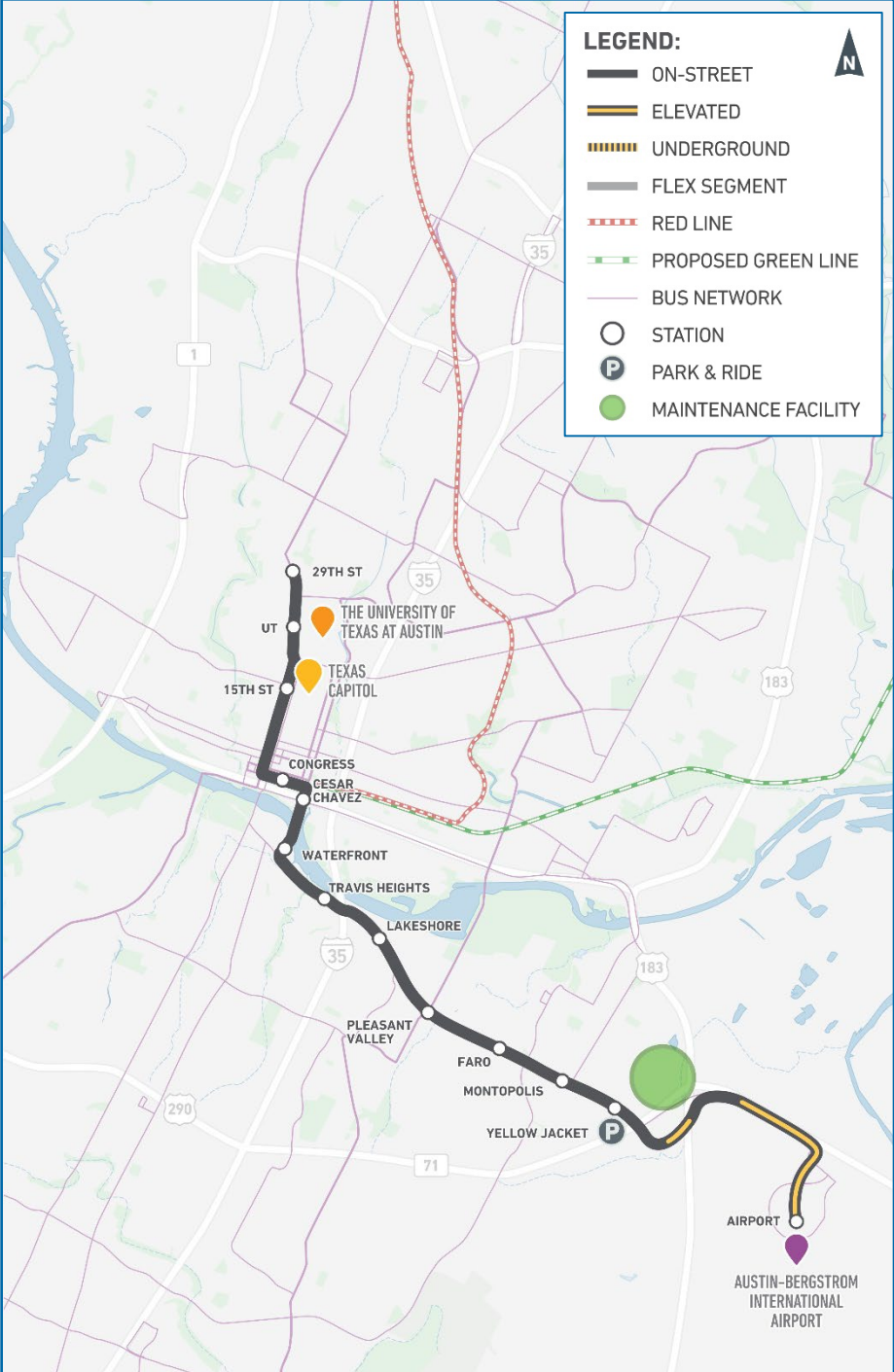


Trinity St. Crossing Option

ON-STREET: 29TH TO THE AIRPORT

- On-street from 29th St. on Guadalupe St. to east of Yellow Jacket Ln. on E. Riverside Dr.
- Mainly elevated from SH 71 to Austin-Bergstrom International Airport
- Lady Bird Lake crossing on new bridge at Trinity St.

AVG. NUMBER OF DAILY RIDERS SERVED	28,100
MILES OF NEW LIGHT RAIL	10.1

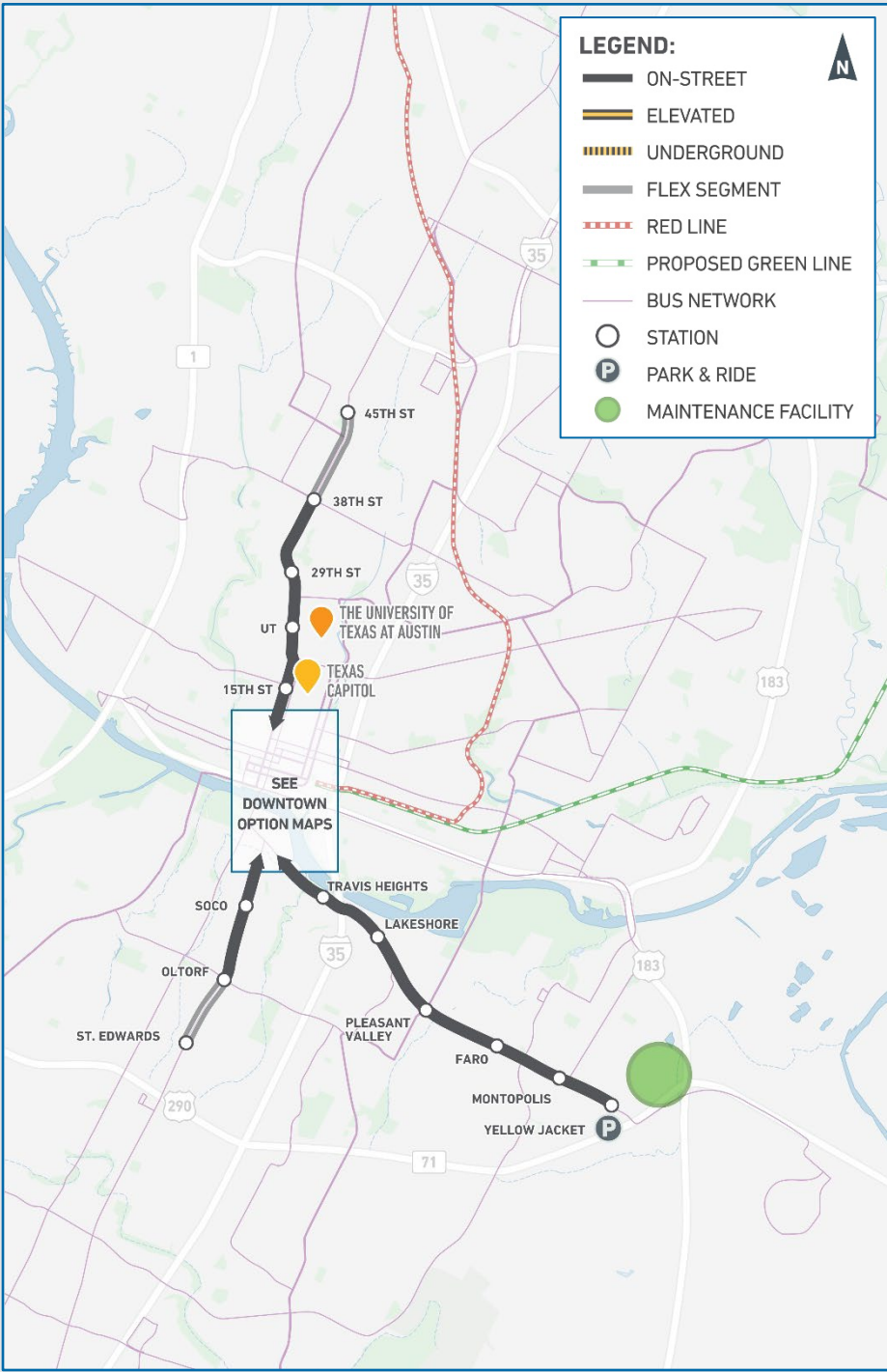


TrinitySt. Crossing Option

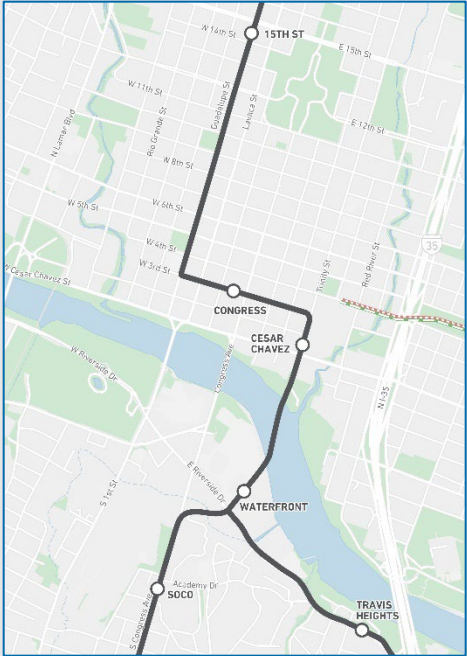
ON-STREET: 38TH TO OLTORF TO YELLOW JACKET

- On-street from 38th St. on Guadalupe St. to Oltorf St. on S. Congress Ave. and to Yellow Jacket Ln. on E. Riverside Dr.
- Potential to extend endpoints to 45th St. to the north or St. Edwards to the south
- Lady Bird Lake crossing options at Guadalupe/S.1st St. OR Trinity St.

AVG. NUMBER OF DAILY RIDERS SERVED	28,500 - 29,900
MILES OF NEW LIGHT RAIL	9.4 - 9.8



Guadalupe/S.1st St. Crossing Option

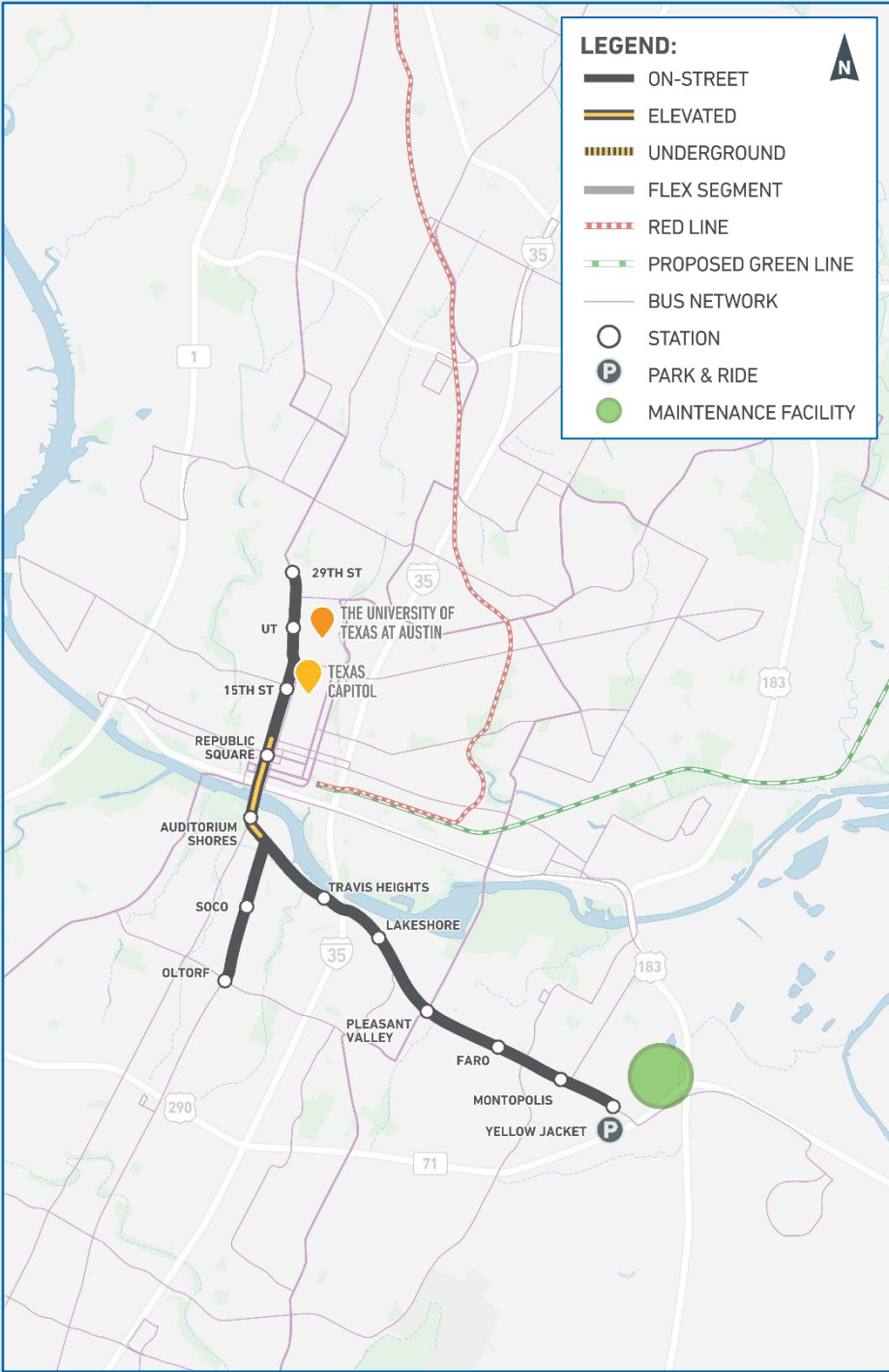


Trinity St. Crossing Option

PARTIAL ELEVATED: 29TH TO OLTORF TO YELLOW JACKET

- On-street on Guadalupe from 29th St. to 8th St.
- Elevated from 8th St. on Guadalupe to east of Auditorium Shores with (2) elevated stations
- On-street on Riverside Dr. from east of Auditorium Shores to Yellow Jacket Ln. and on S. Congress Ave. from Riverside to Oltorf St.
- Lady Bird Lake crossing on new bridge at Guadalupe/S. 1st St.

AVG. NUMBER OF DAILY RIDERS SERVED	26,900
MILES OF NEW LIGHT RAIL	8.7

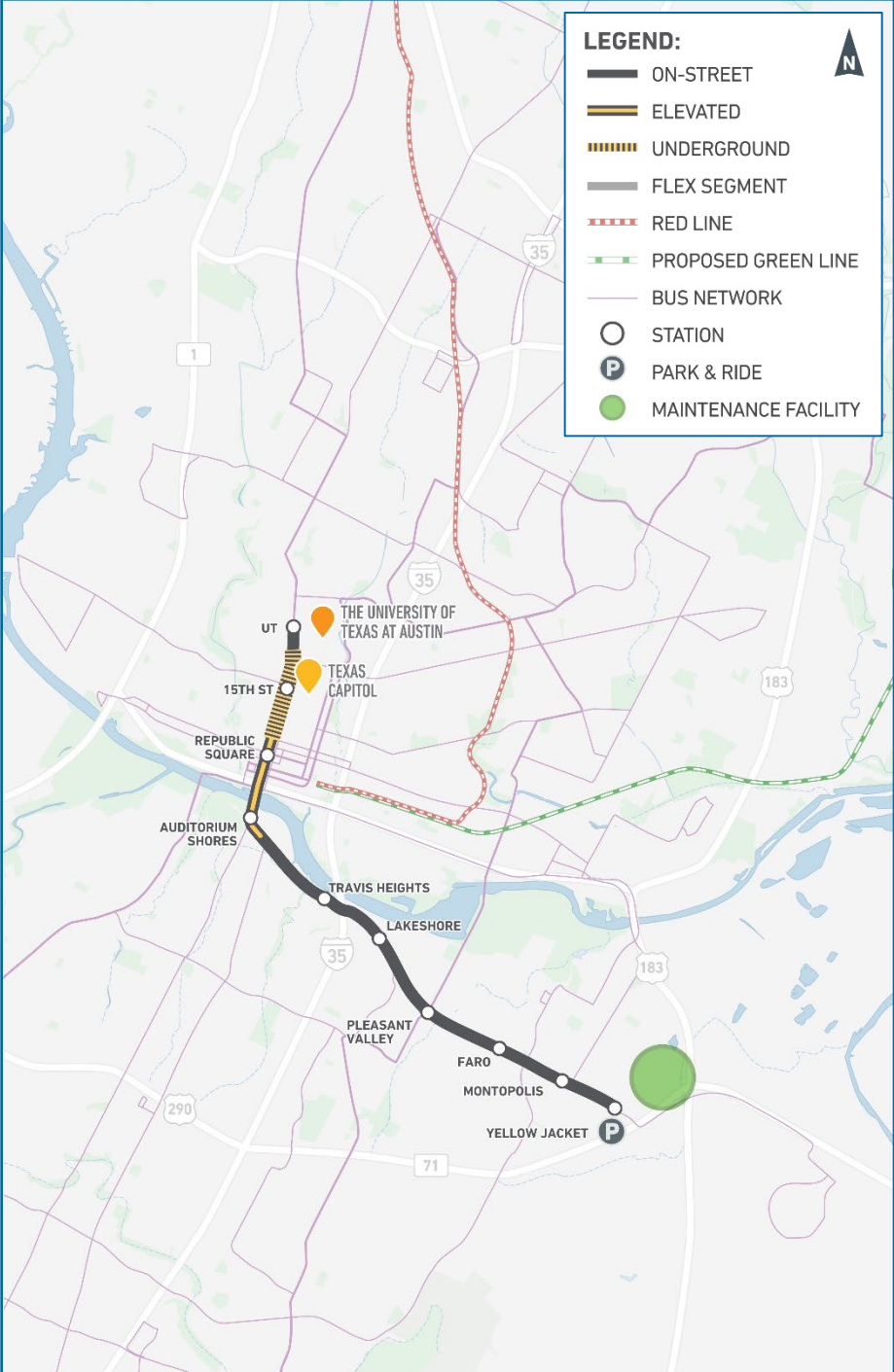


Guadalupe/S. 1st St. Crossing Option

PARTIAL UNDERGROUND: UT TO YELLOW JACKET

- Underground from 20th St. to 8th St. under Guadalupe with (1) underground station
- Elevated from 8th St. on Guadalupe St. to east of Auditorium Shores with (2) elevated stations
- On-street on Riverside Dr. from east of Auditorium Shores to Yellow Jacket Ln.
- Lady Bird Lake crossing on new bridge at Guadalupe/S. 1st St.

AVG. NUMBER OF DAILY RIDERS SERVED	20,000
MILES OF NEW LIGHT RAIL	6.6



Guadalupe/S. 1st St. Crossing Option

PARTIAL ELEVATED SOUTH OF THE RIVER

ARTIST REPRESENTATIONS



Aerial View South of River - Looking North



Station View at Auditorium Shores



Transition from elevated to on-street at West Riverside Drive

TOTAL POPULATION

Census 2020

LEGEND
Options
— 38th | Oltorf | Yellow Jacket
— Airport
— NLTC | Pleasant Valley

Partial Elevated

Partial Underground

Station

Study Area

Population Total

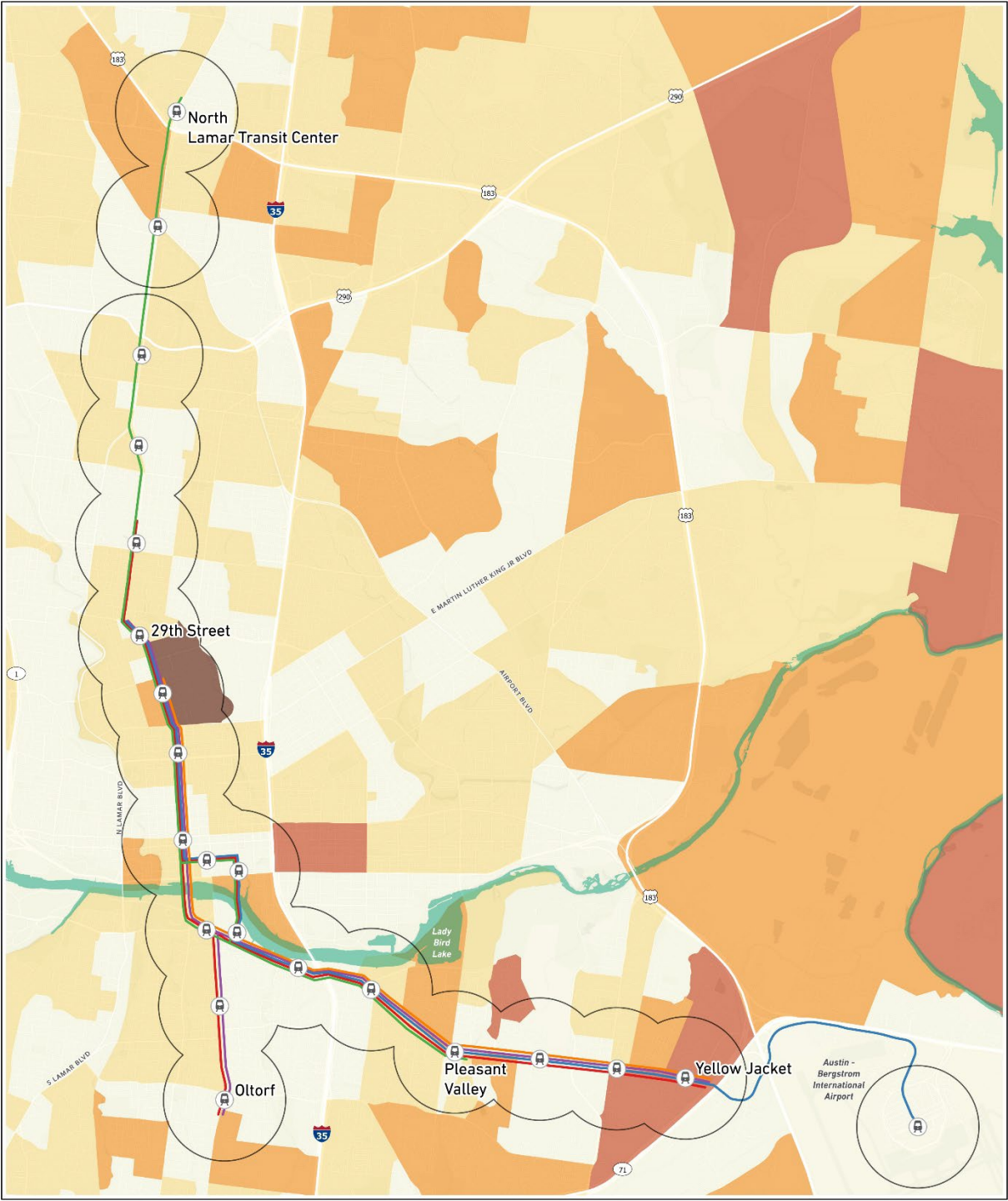
1,214 or less

1,215 - 1,953

1,954 - 3,019

3,020 - 4,924

4,925+



POPULATION DENSITY

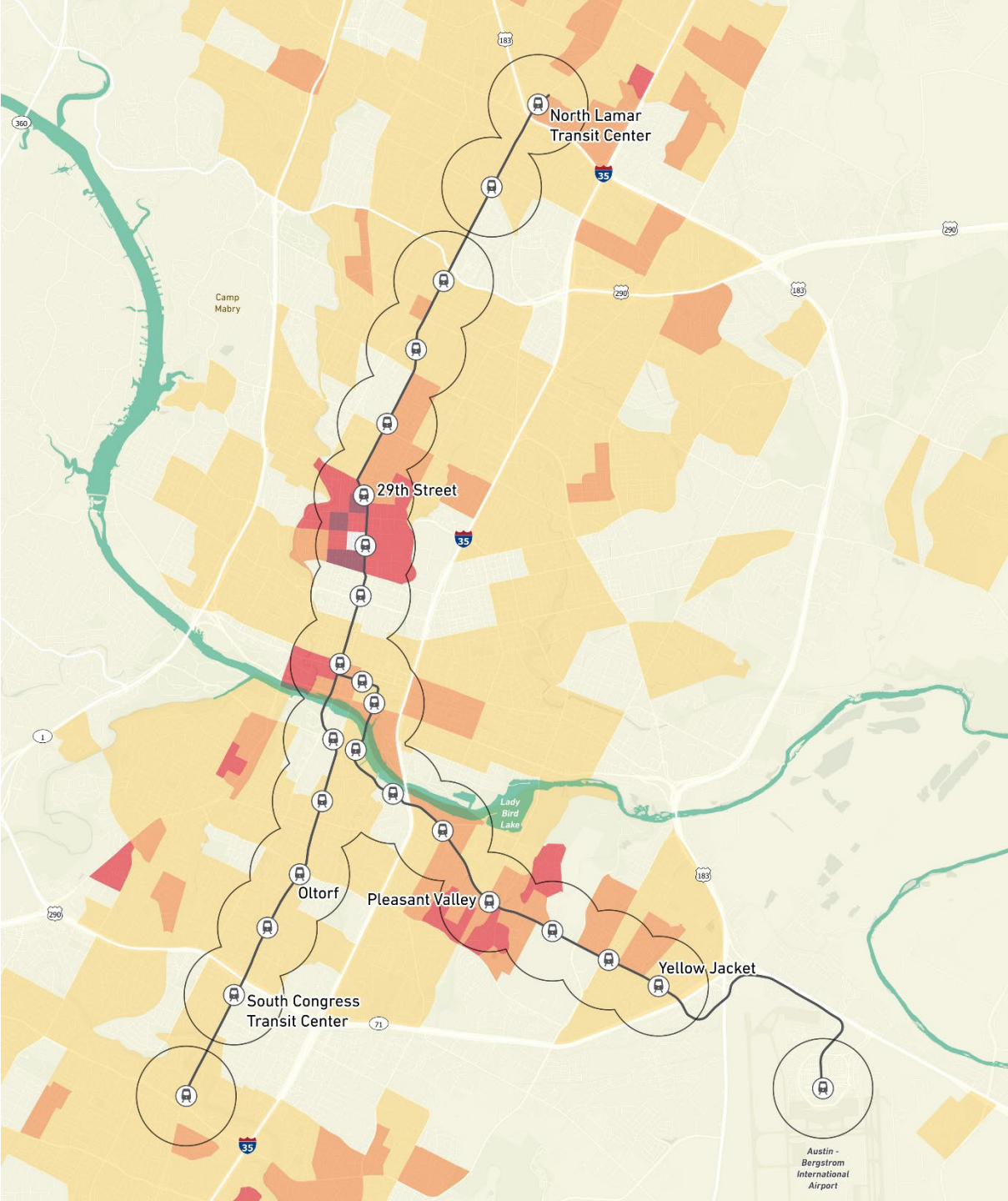
Census 2020

LEGEND

- Station
- 0.5 mi radius from station
- Study Area

People per square mile

- 0 - 3,800
- 3,801 - 8,800
- 8,801 - 18,000
- 18,001 - 41,000
- 41,001 +



BIPOC SHARE OF POPULATION

Black, Indigenous, & People of Color

Census 2020

LEGEND

Station

0.5 mi radius from station

Study Area

BIPOC Share

1 - 20%

21 - 40%

41 - 60%

61 - 80%

81 - 100%

AUSTIN
TRANSIT
PARTNERSHIP

CapMetro

CURRENT EMPLOYMENT DENSITY

Longitudinal
Employer-Household
Dynamics (LEHD) 2019

LEGEND

 Station

 0.5 mi radius from station

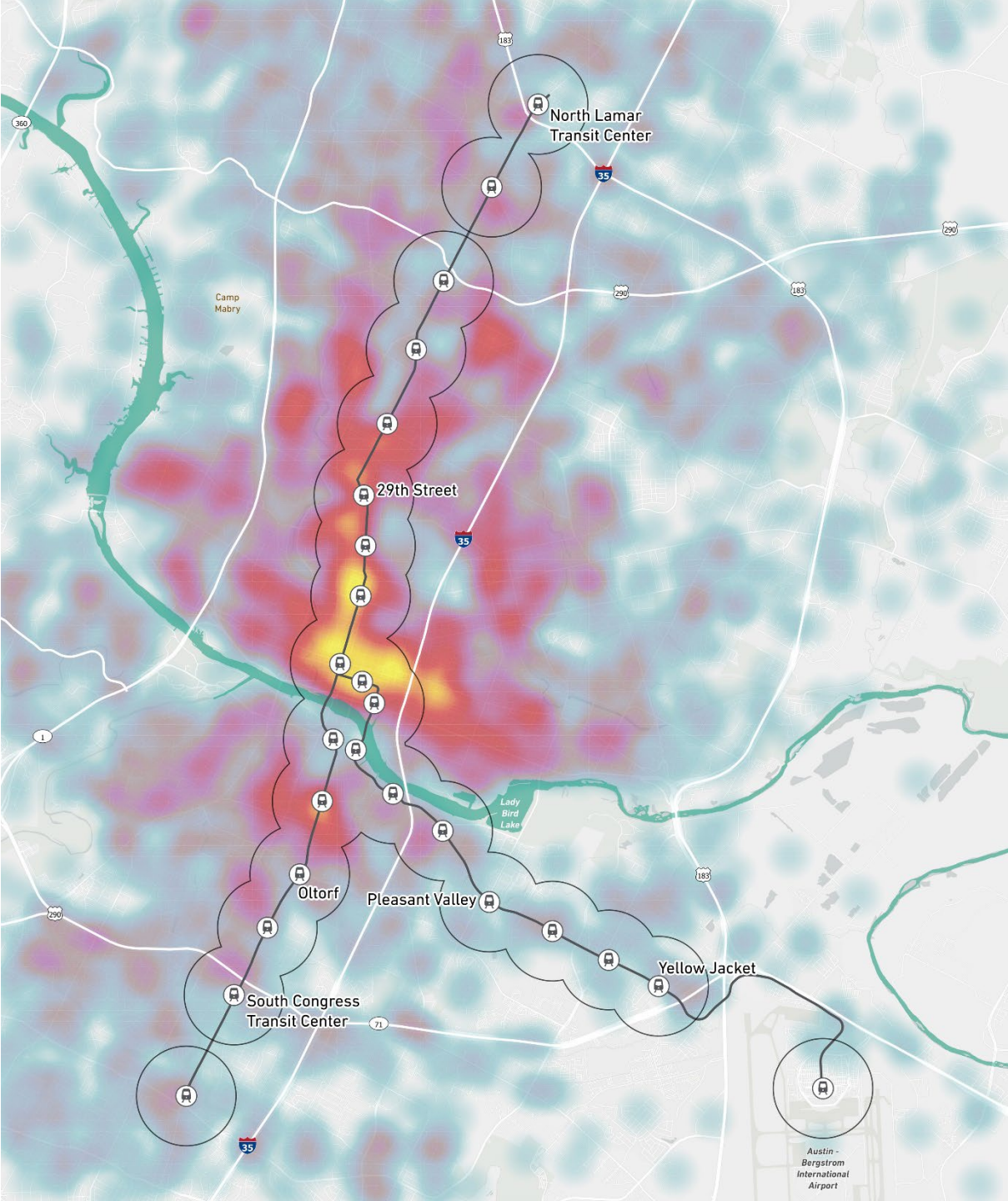
 Study Area

Employment

Sparse

Dense










AFFORDABLE HOUSING


City of Austin Comprehensive Affordable Housing Directory


LEGEND



-  Station
-  0.5 mi radius from station
-  Study Area
- Affordable Housing Units

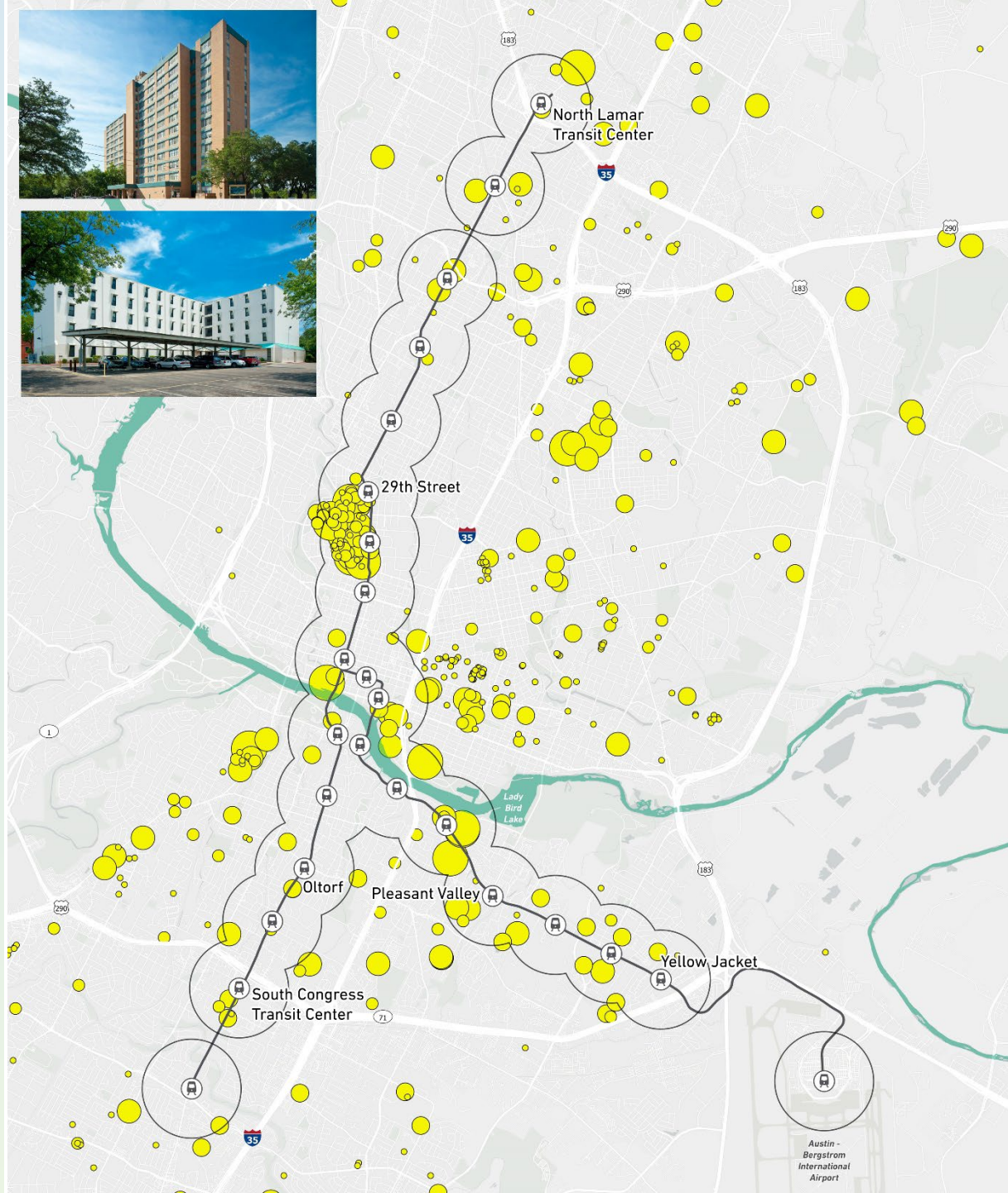
 1 - 50

 51 - 150

 151 - 250

 251 - 400

 401 +
- 



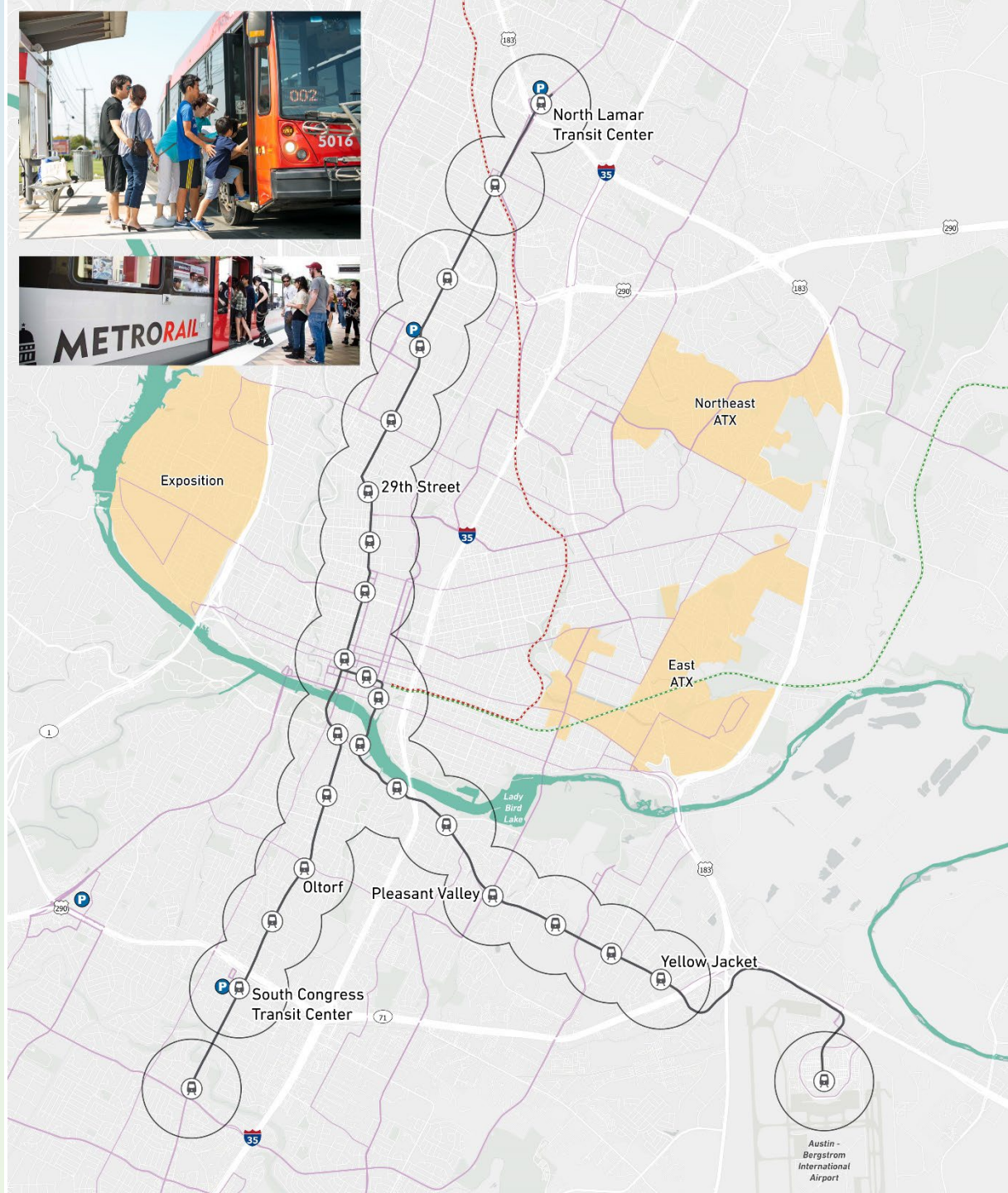
TRANSIT CONNECTIONS

CapMetro

LEGEND

- Station
 - 0.5 mi radius from station
 - Study Area
 - Park & Ride
- Transit Routes








 - Red Line
 - Green Line (proposed)
 - MetroRapid
- High Frequency MetroBus
 - Pickup Service Zone



TRAILS AND BIKE PATHS

City of Austin Austin Strategic Mobility Plan (ASMP)

LEGEND

-  Station
-  0.5 mi radius from station
-  Study Area
-  Station Bikeshed (approx 2 mi)
-  Existing Bike Paths
-  Future Bike Paths
-  Trails

