

# Welcome!

Please check-in for your meeting briefing.



## Fast Facts

- Multiple Stations
- 25 miles of track
- Service would connect Charlotte, Huntersville, Cornelius and Davidson in Mecklenburg County and extend into Mount Mourne in Iredell County.
- Train will use the existing Norfolk Southern (“O” Line) rail line that will be upgraded to accommodate the commuter rail service.
- Stations could offer:
  - Park and ride
  - Mobility hubs
  - First/last mile connections

# About the Project

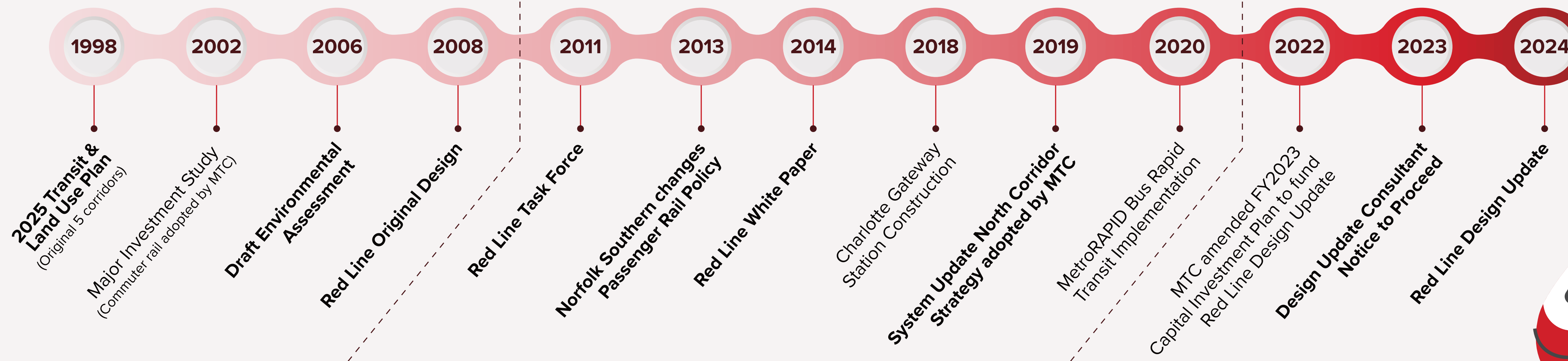
## Current Design Phase Goals

- Updated design and alignment options into Uptown Charlotte
- Updated station locations
- Updated cost estimate
- Vehicle maintenance facility options
- Vehicle technologies
- Frequency of service
- Public involvement and stakeholder coordination
- Design Update complete by early-2025

### Traditional Approach

### Alternative Funding & Related Projects

### A Path Forward





# Comment Station

**Submit a  
Comment**



Fill out a paper form here

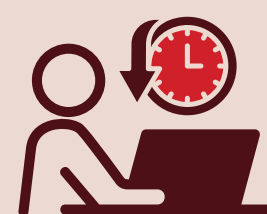


Email us at  
[RedLine@publicinput.com](mailto:RedLine@publicinput.com)

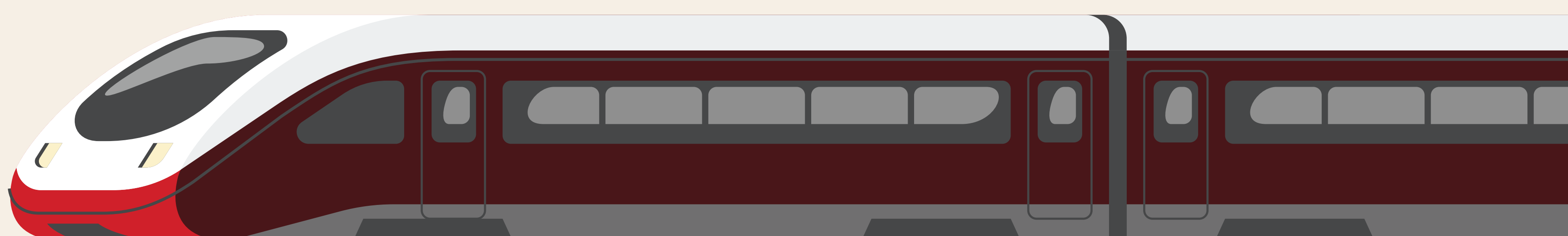
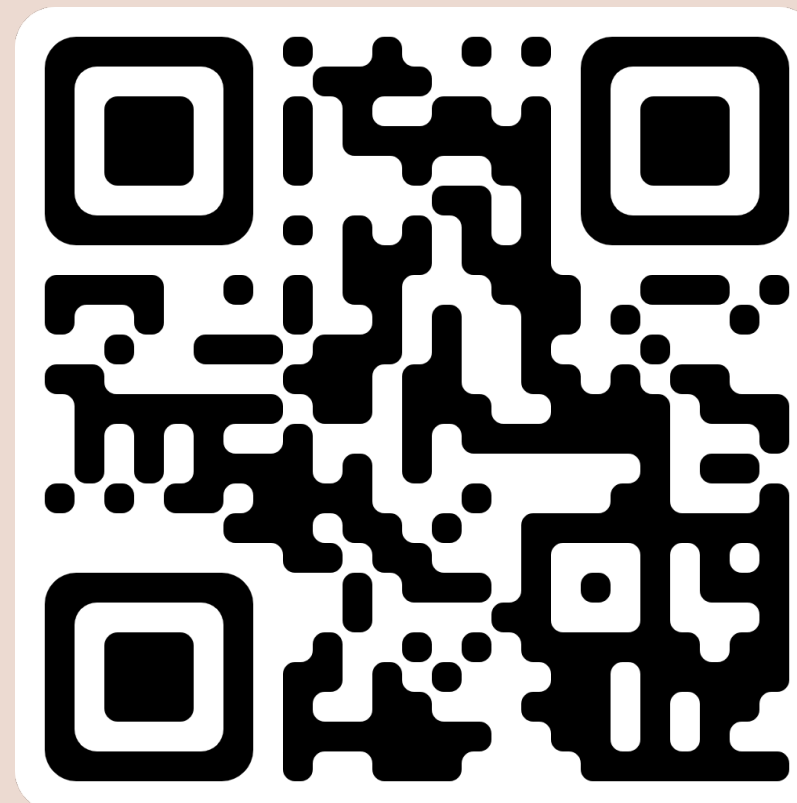


Call us later at **855-925-2801**;  
enter project code **1752**  
to leave a voicemail

**Stay in  
Touch**



Sign up for email updates at  
[PublicInput.com/RedLine](http://PublicInput.com/RedLine)



# Community Priorities for Station Amenities

Use the color code to let us know where you're from!

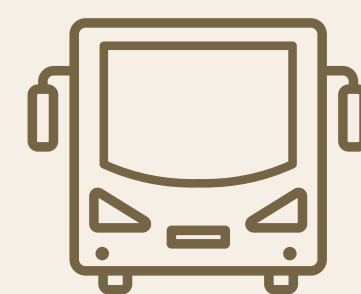
- 
 **Mooresville**   
ORANGE DOT
- 
 **Davidson**   
RED DOT
- 
 **Cornelius**   
GREEN DOT
- 
 **Huntersville**   
YELLOW DOT
- 
 **Charlotte**   
BLUE DOT

Each station will have unique opportunities and constraints that guide which amenities are available. Community priorities will be considered as an important part of the evaluation criteria.

Parking lots or structures



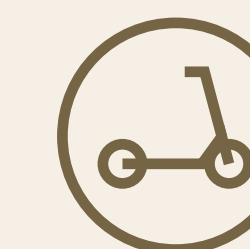
Bus and transit connections



Rideshare and microtransit pick-up/drop-off



E-Bike and Scooter storage



Electric vehicle charging



Bike maintenance station



Sidewalk and trail connections

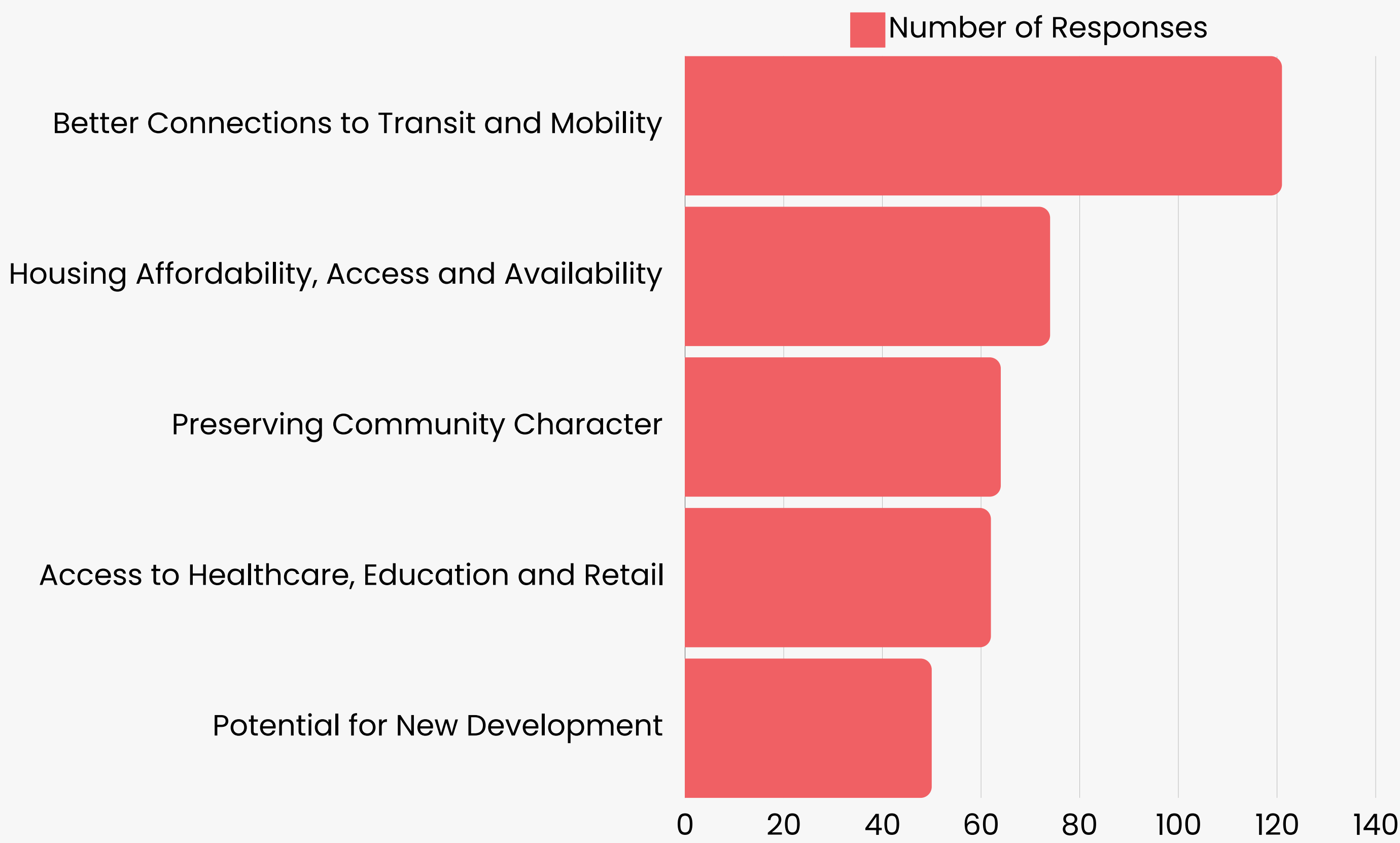


Crosswalk improvements



# We asked: “What is most important to consider in planning the Red Line Commuter Rail?”

## Here’s what we heard:



### Additional Feedback

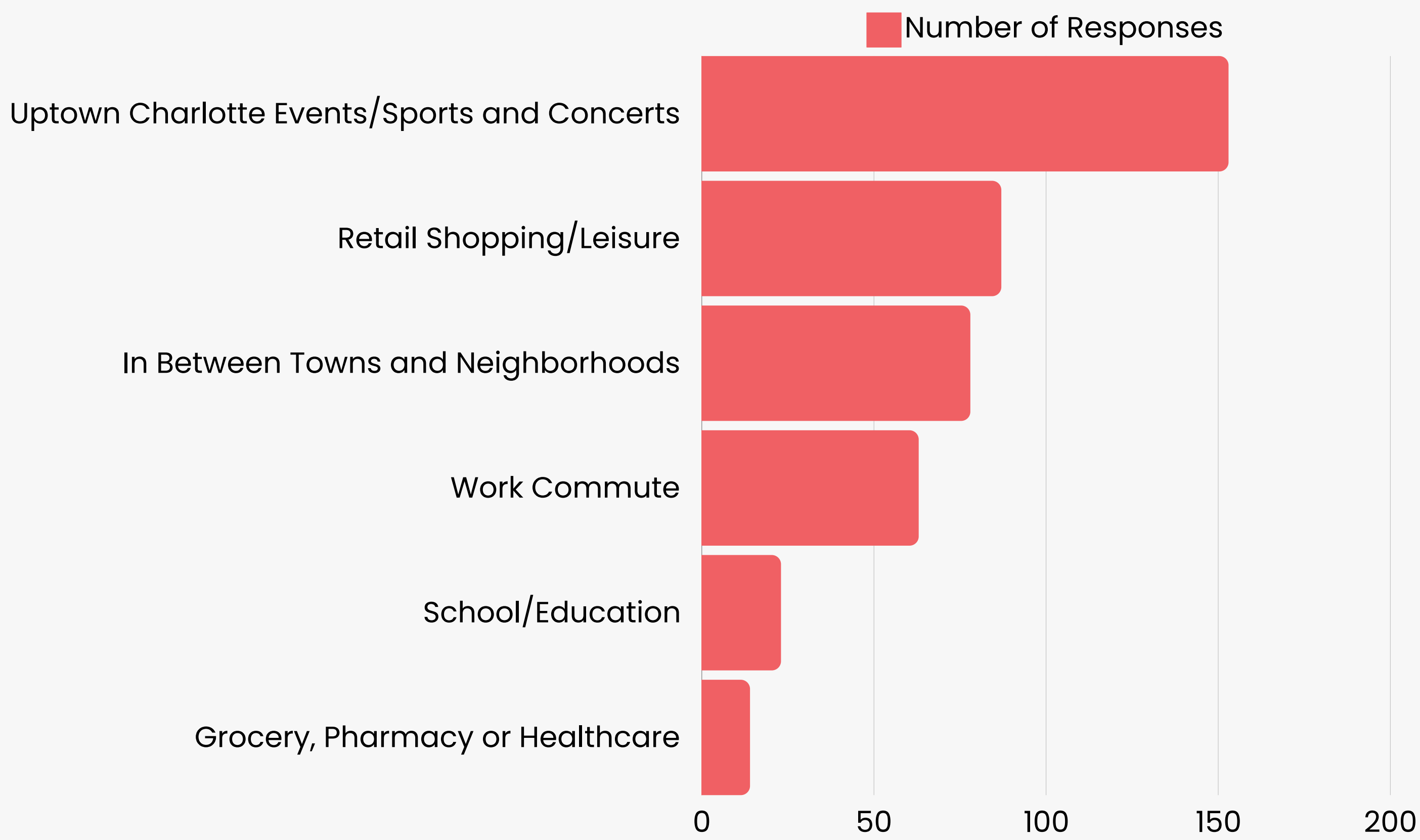
- Tax Impact Concerns (7)
- Camp North End Station (4)
- Faster Overall Commute (4)
- Accessibility for Senior & Disabled (3)
- Faster Timeline (2)
- More Community Engagement (2)

Share your feedback in the space provided.



**We asked:** “Which types of destinations would you most likely travel to via the Red Line Commuter Rail?”

**Here’s what we heard:**



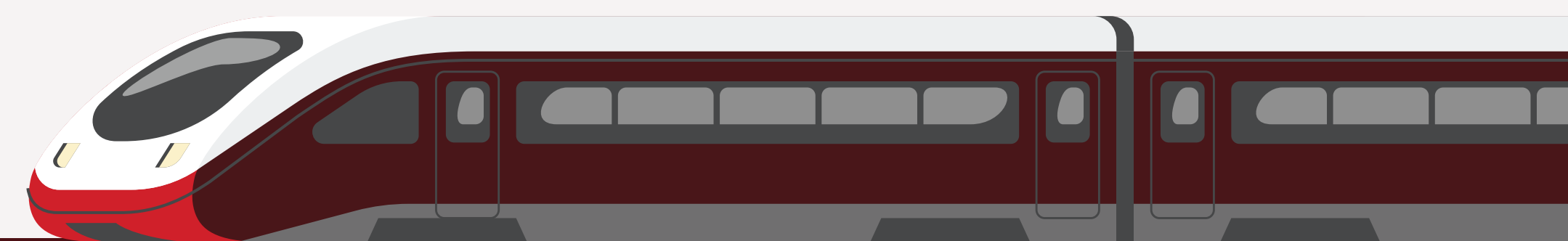
*Additional Feedback*

- Airport Connection/Silver Line (11)
- Bike & Pedestrian Paths (8)
- Weekend Service (6)
- Connections to Regional Destinations (2)

**Share your feedback in the space provided.**

# Junior Planners

## Children's Activity Table



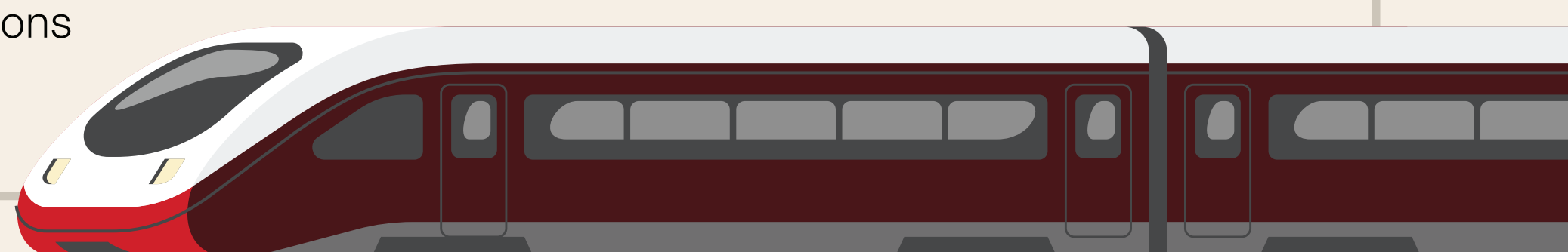




**NOTE:** All stations are being reevaluated during the design update

**Map Legend**

- Station Name
Currently Adopted Stations
Station Name
Potential New Stations
- Mooresville
  Davidson
  Cornelius
  Huntersville
  Charlotte





# Station Area Amenities

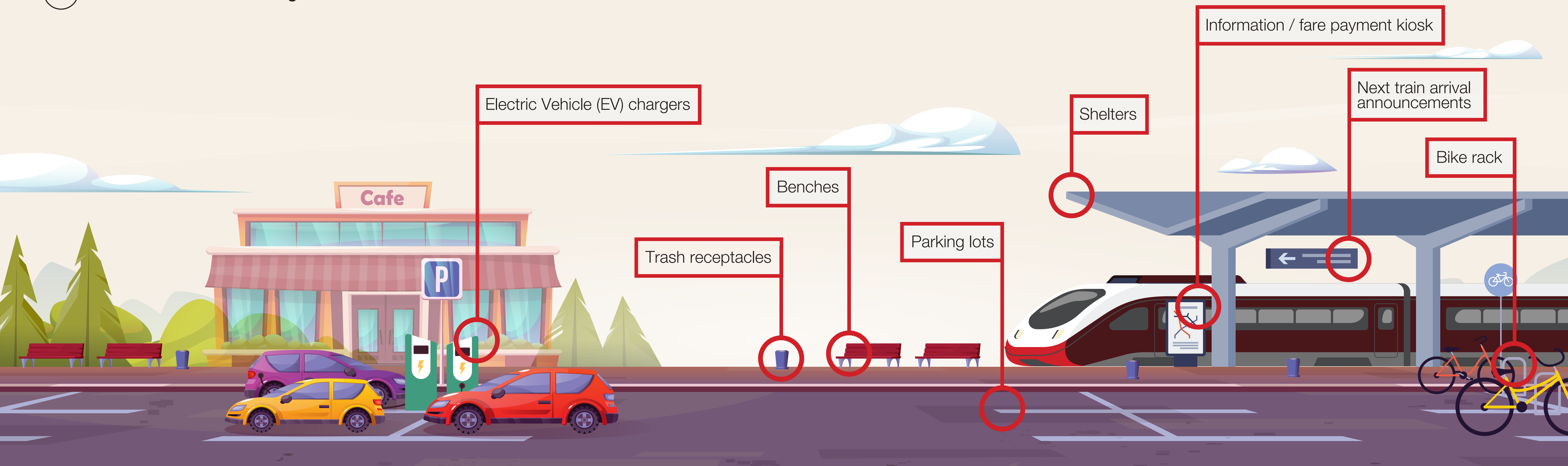
Most stations for the Red Line will be planned as a Mobility Hub and Commuter Station. These station types include many amenities for passenger convenience and comfort.

## Around the Station

- Vehicle access to major roads and interstates
- Electric Vehicle (EV) chargers
- Parking lots or structures
- Bike rack
- Bus and transit connections
- Sidewalk and trail connections
- Rideshare and microtransit pick-up/drop-off
- Crosswalk improvements
- E-Bike and Scooter storage

## On the Platform

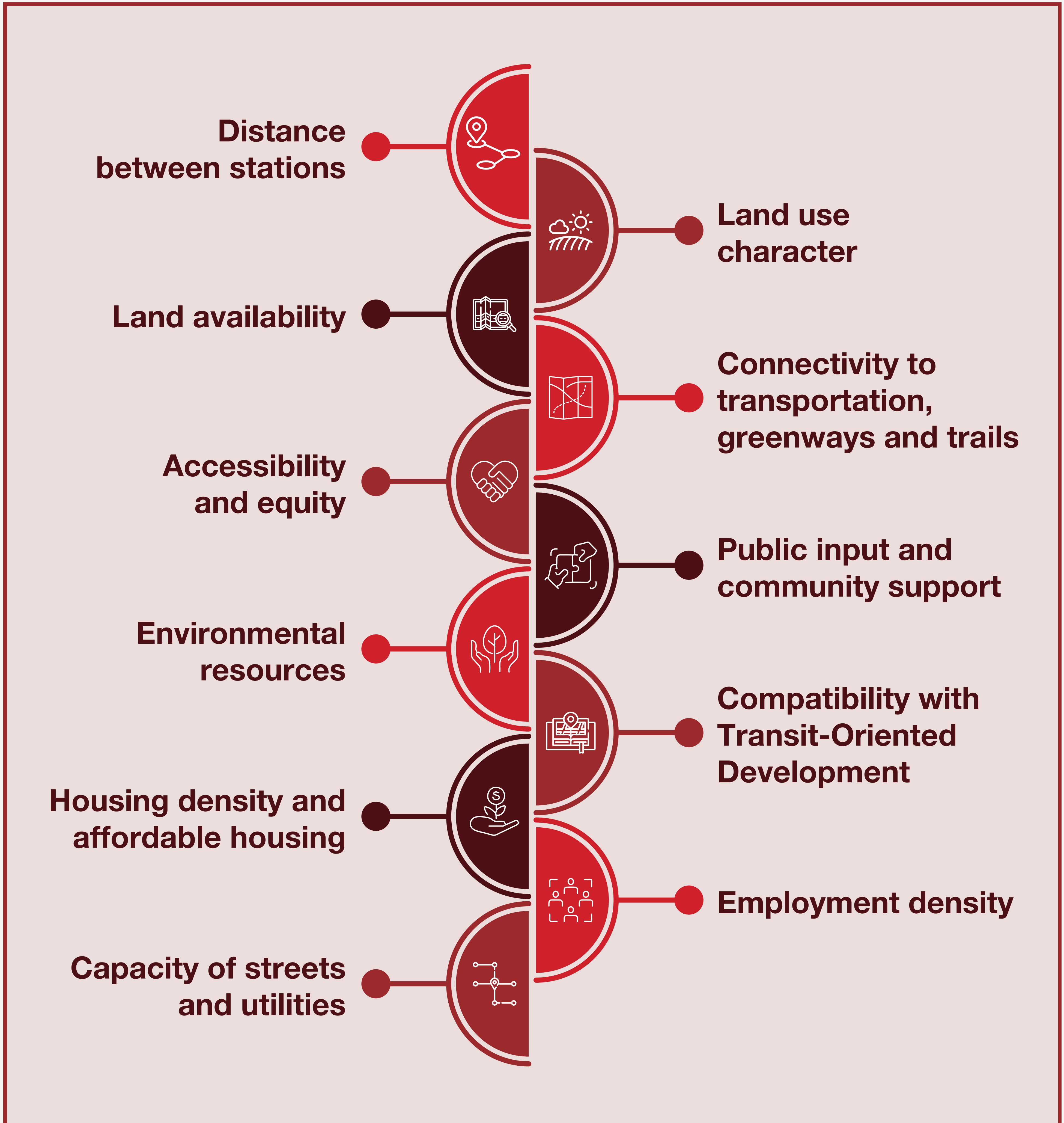
- Shelters
- Lighting and security cameras
- Benches
- Fare payment kiosk
- Boarding and alighting area
- Information kiosk
- Trash receptacles
- Next train arrival announcements



# Station Location Evaluation

The previously identified station locations are being re-evaluated.

**We are considering:**

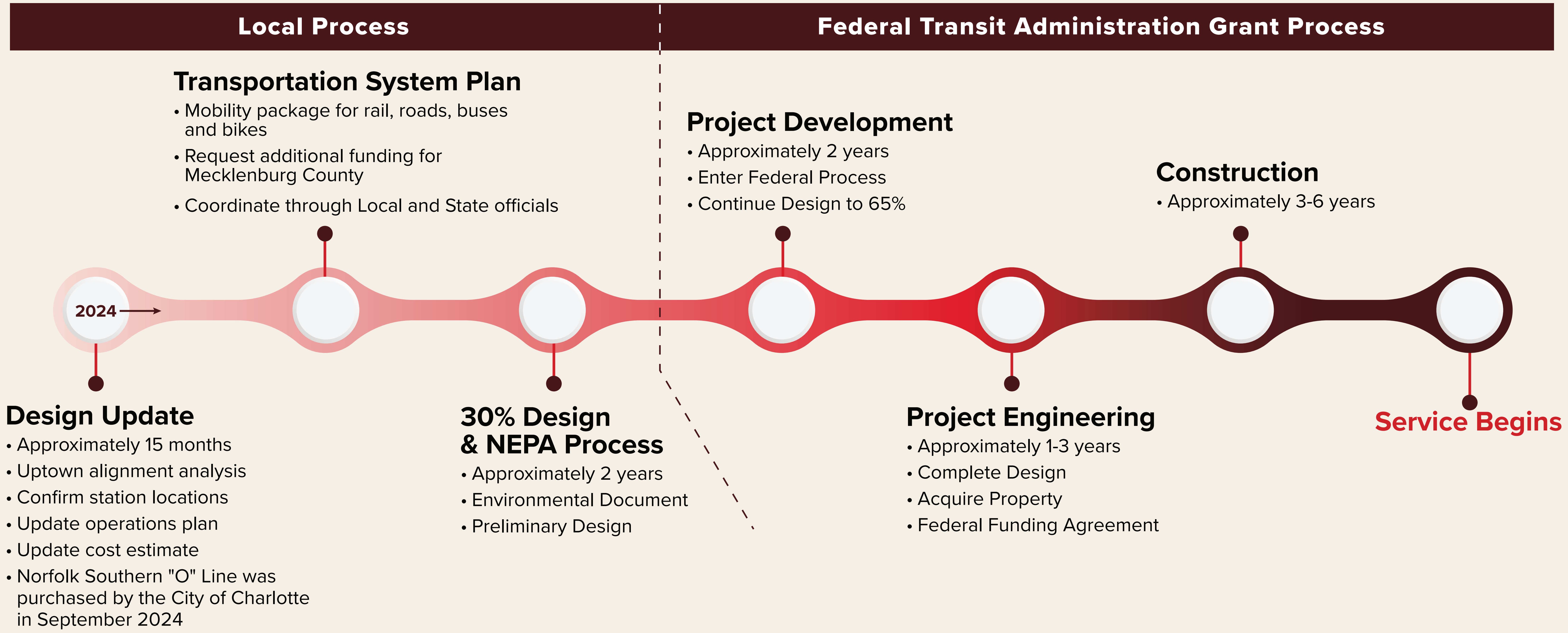


Visit the table maps to look at the originally proposed station locations!





# The Path Forward



### Transportation System Plan

- Proposed 1-cent sales tax in Mecklenburg County
- \$19.5 Billion in potential tax revenue over 30 years
  - 40% Roads, 40% Rail, 20% Bus

- NC General Assembly authorization needed to put on ballot
- Targeting November 2025 ballot measure for Mecklenburg voters
- Continue discussions with Iredell County and Mooresville



# Commuter Rail Vehicle Types

## Multiple Unit Trainset



Alstom iLint



Siemens Mireo



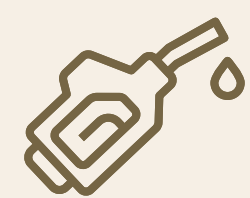
Stadler FLIRT

## Locomotive Hauled Trains



Stadler Charger Locomotive

### Propulsion Technology



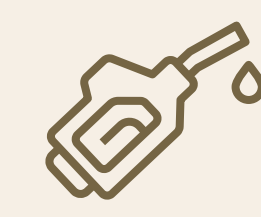
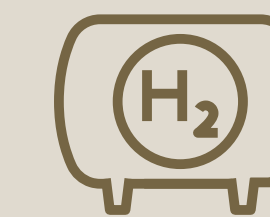
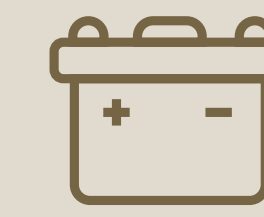
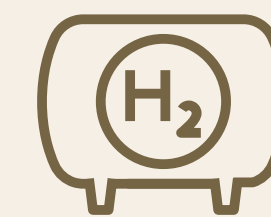
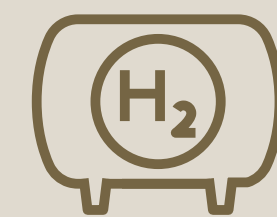
Diesel



Battery



Hydrogen Fuel Cell



### Passenger Capacity (seated)



150 passengers



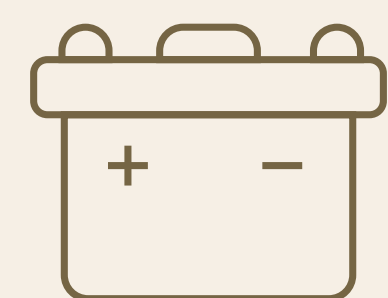
120 passengers



116 passengers

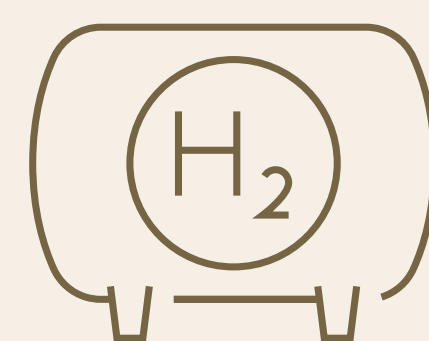


162-222 passengers



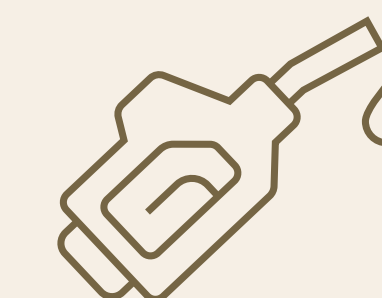
### About Propulsion Batteries

Battery electric trains are powered by onboard rechargeable batteries, eliminating the need for continuous external power sources or fuel combustion.



### About Hydrogen Fuel Cells

Hydrogen fuel cell powered trains convert onboard hydrogen into electricity to provide a stable power source for the train.



### About Diesel

Diesel trains are powered by combustion engines and can be converted to run on biofuels. Biofuels are renewable fuels like biodiesel, renewable diesel, and ethanol.