

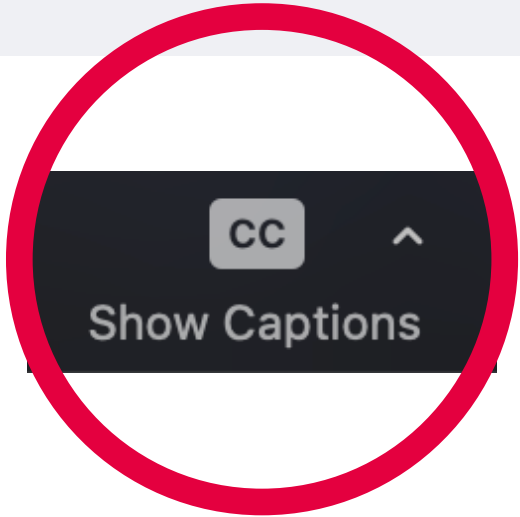
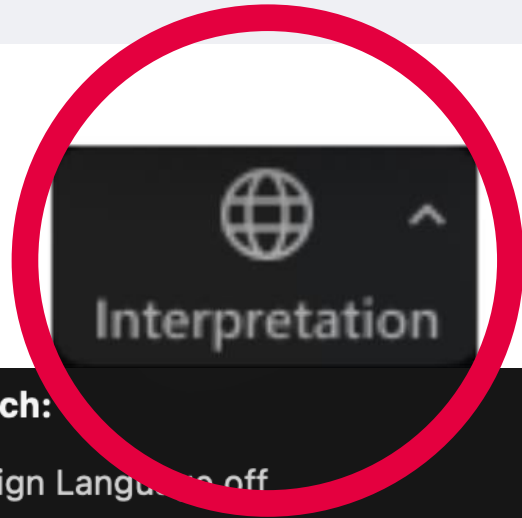


# Welcome!

**Red and Purple Modernization (RPM)  
Next Phases Study  
Public Meeting**

March 2023

# SETTINGS: Interpretation + Captioning

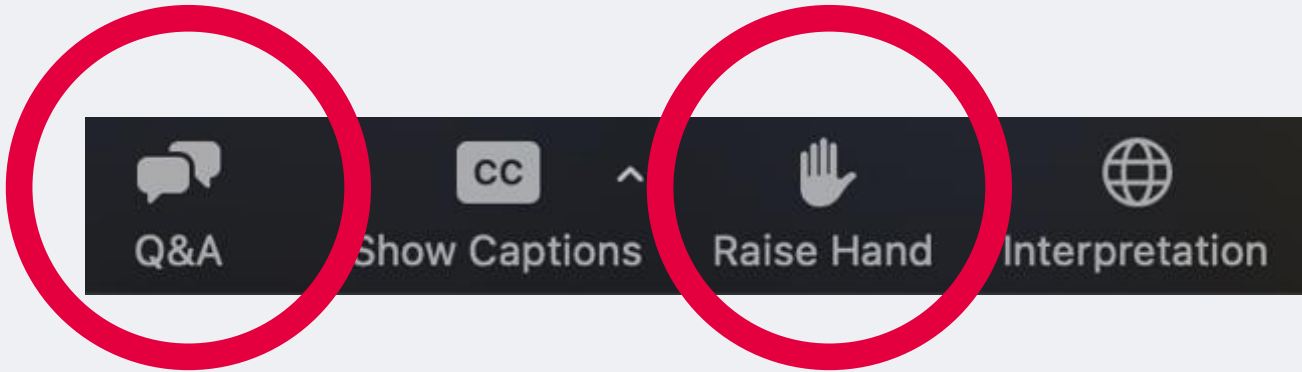


- Watch:**
- Sign Language off
  - ✓ American Sign Language
- Listen In:**
- Original Audio (Interpretation Off)
  - English
  - ✓ Spanish
  - ✓ Mute Original Audio

# REMINDERS: Questions + Tech

Ask questions  
via Q&A panel

For tech support,  
click “Raise Hand”



# HOW TO: Zoom Polls

**Polls**

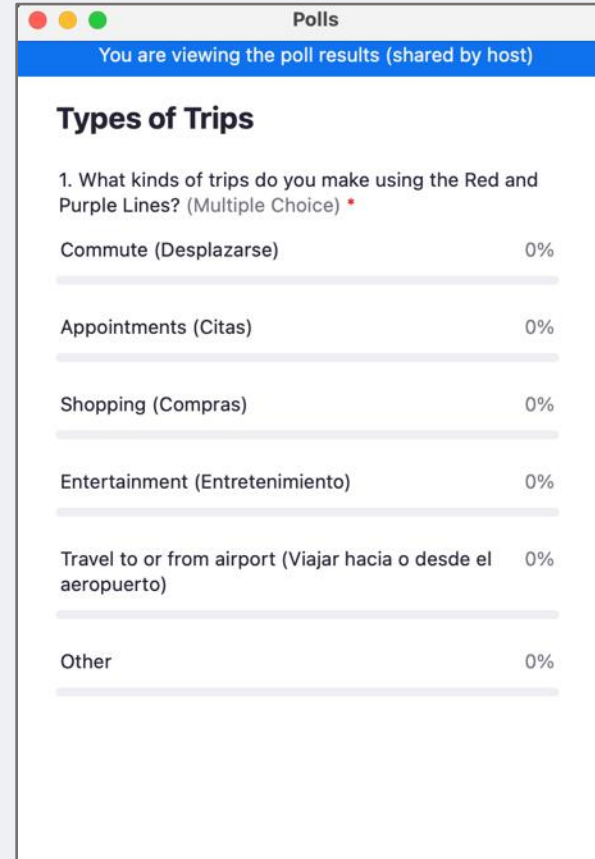
### Types of Trips

1. What kinds of trips do you make using the Red and Purple Lines? (Multiple Choice) \*

- Commute (Desplazarse)
- Appointments (Citas)
- Shopping (Compras)
- Entertainment (Entretenimiento)
- Travel to or from airport (Viajar hacia o desde el aeropuerto)
- Other

Submit

Sample Poll Window



Sample Results Window



# PROJECT TEAM INTRODUCTIONS

## Project Team Presenters



Leah Dawson Mooney  
**CTA**  
Director of Strategic  
Planning and Policy



Sonali Tandon  
**CTA**  
Senior Manager,  
Strategic Planning



Christina Bader  
**CTA**  
Project Manager



Marissa Strassel  
**MUSE Community + Design**  
Senior Associate



Jacki Murdock  
**CDM Smith**  
Planner

# MEETING PURPOSE

We are discussing how CTA is *investing in the future* of the Red and Purple Lines.

## The purpose of this meeting is to:

- Share information
- Discuss study elements and outcomes
- Share our approach to engagement
- Gather feedback

**Meeting the Moment, CTA's post-pandemic action plan**

[transitchicago.com/meetingthemoment/](https://transitchicago.com/meetingthemoment/)



# RPM NEXT PHASES STUDY

## AGENDA

Overview & Timeline

Existing Conditions

Study Elements

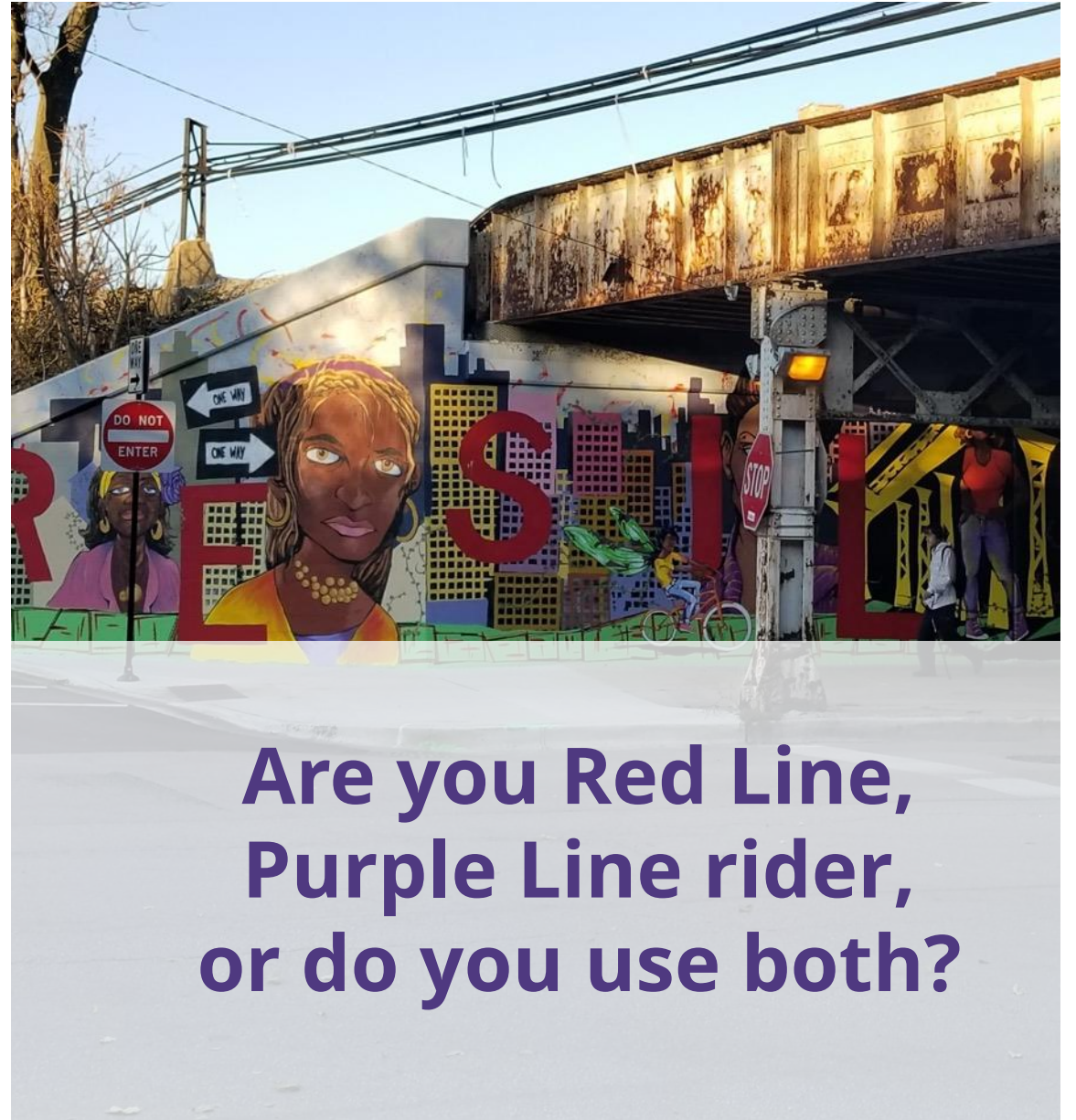
Outreach & Engagement

Questions + Answers

Next Steps



**POLL  
Question #1**



**Are you Red Line,  
Purple Line rider,  
or do you use both?**



# Overview



# WHAT IS THE NEXT PHASES PLANNING STUDY?

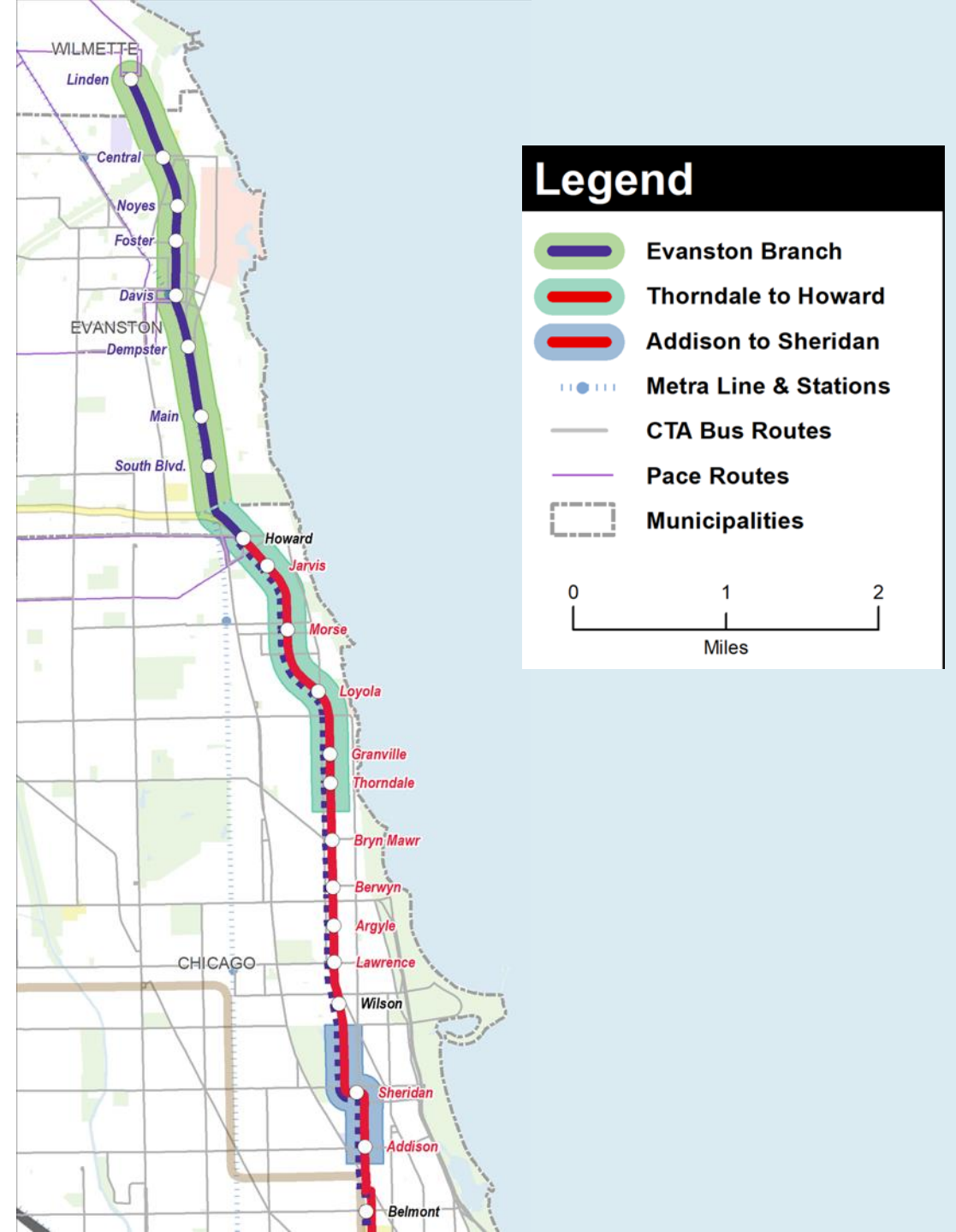
- A program of Red Ahead
- **Planning work** to determine improvements focusing on **three segments**:

Evanston Branch

Thorndale to Howard

Addison to Sheridan

- **Concurrent with Phase One** construction



# RED AHEAD PROGRAM

## RED AHEAD

### SUMMARY

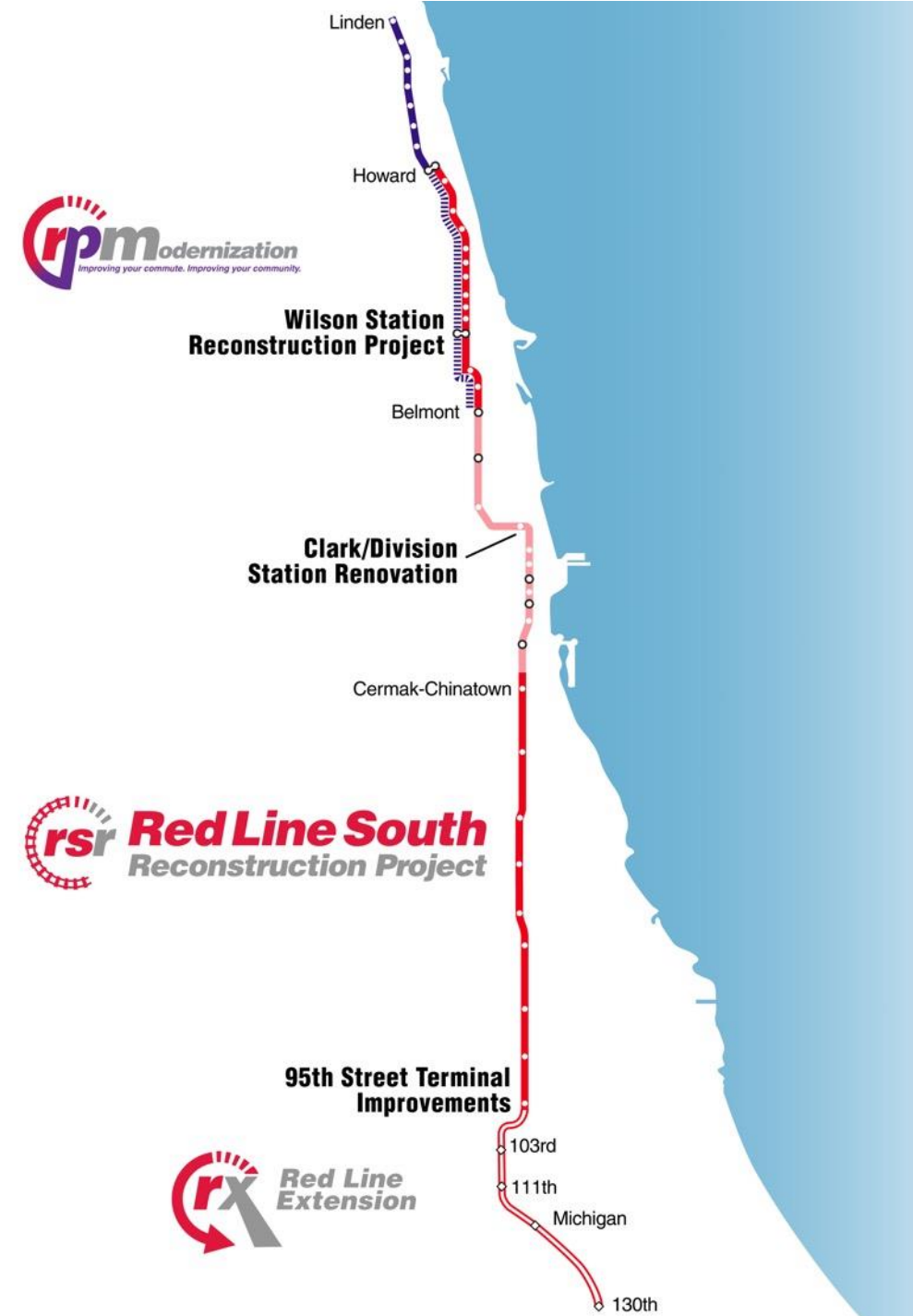
A comprehensive initiative for modernizing and expanding Chicago's most-traveled rail line

### GEOGRAPHY

Includes **three major improvement projects** on the Red and Purple Lines between Linden to 130th Street

### OUTCOMES

Projects are **mutually beneficial**—an improvement in one area of the Red Line benefits the entire Red Line.



# RPM CORRIDOR PLANNING





## Goals – RPM Vision Study (2010)

**Expand capacity**

**More trains with less crowding**

**Speed service**

**Fewer curves and better infrastructure**

**Improve reliability**

**More trains on-time**

**Improve accessibility**

**All stations accessible to people with disabilities**

**Build modern facilities**

**New wider stations, reliable infrastructure for future**

**Support economic development**

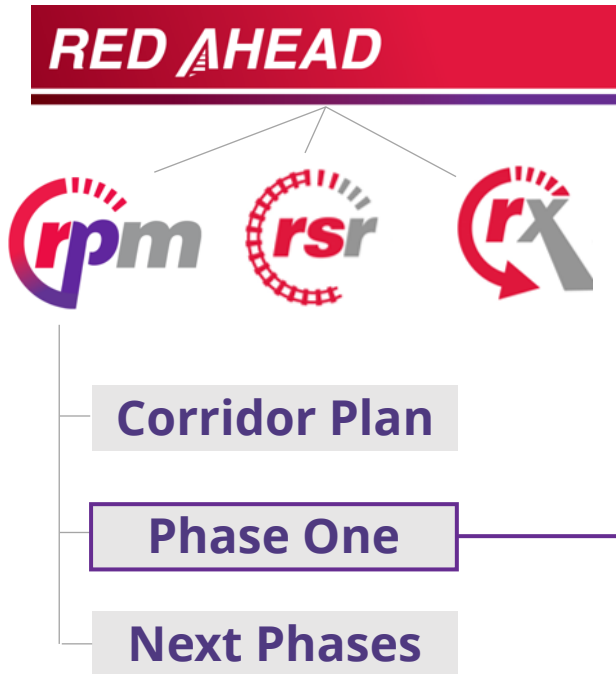
**More jobs and new development opportunities**

**Improve customer experience**

**Modern, quiet, and smooth ride**

# RPM NEXT PHASES STUDY

## RPM PHASE ONE



### Largest capital improvement project in CTA history (\$2.2B)

- Completely rebuilding sections of the line to modernize and meet capacity demands

### Currently under construction, project completion in 2025

- Red and Purple Bypass at Belmont completed in 2021
- Station and track reconstruction underway
- New signal system from Belmont to Howard

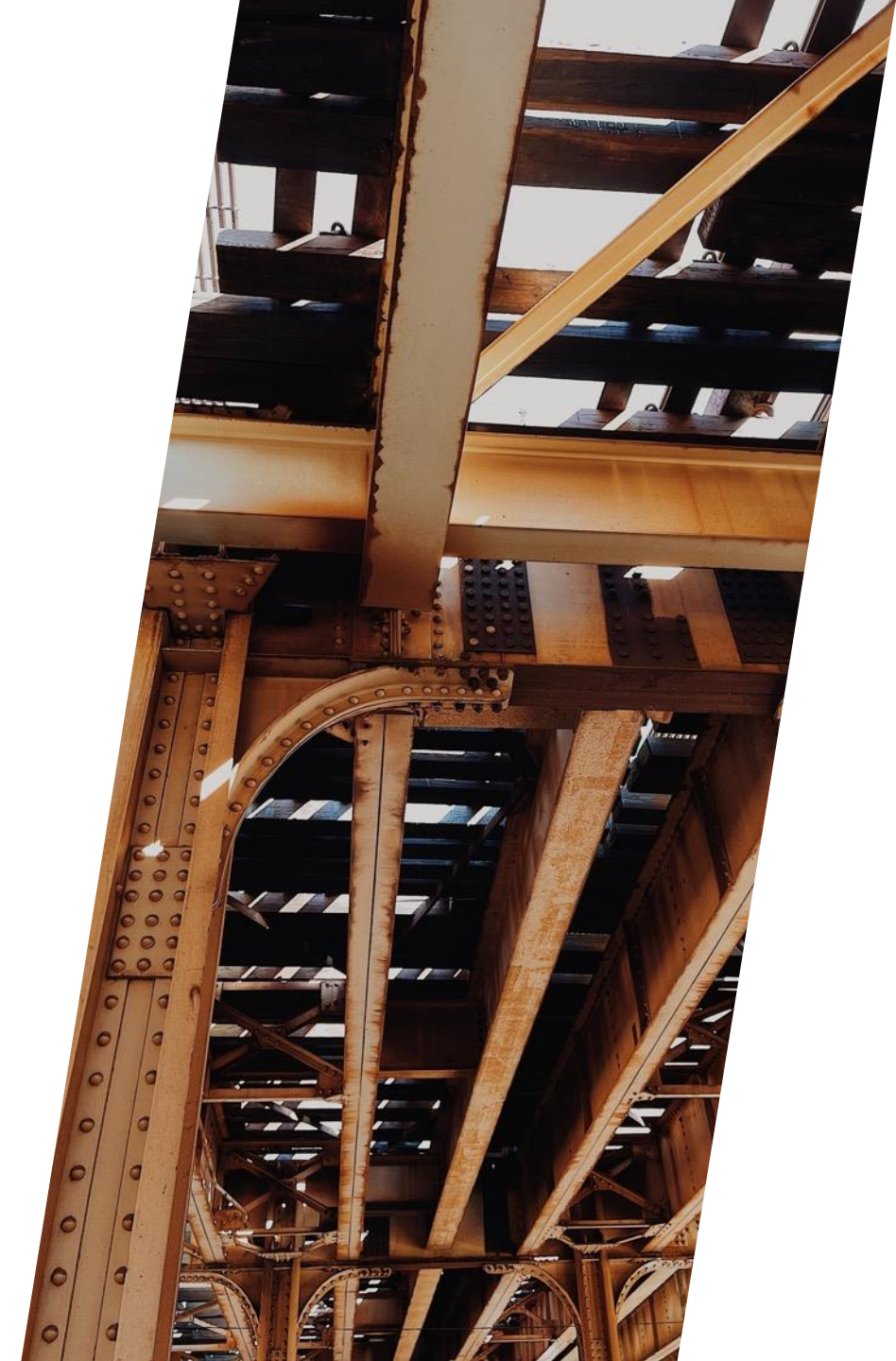


# FTA CORE CAPACITY FUNDING

Federal funding opportunity aimed at **increasing capacity** of transit lines by at least 10%

CTA successfully **secured Core Capacity** funding for RPM Phase One

**This study is necessary** to support a successful pursuit of these funds



# PLANNING FOR THE FUTURE

- We are **planning for the next 100 years**, not the current state
- **Ridership trends** demonstrate a need for increasing capacity and supporting investment and maintenance

*October 2022 saw the biggest ridership in two years!*



Throughout 2022, ridership has continued to climb as Chicagoans return to the office, events, and daily routines. This month we had our biggest ridership week of the year. We appreciate your support and we continue to work on improvements to provide convenient, reliable service.

**NEW PANDEMIC RIDERSHIP HIGH**

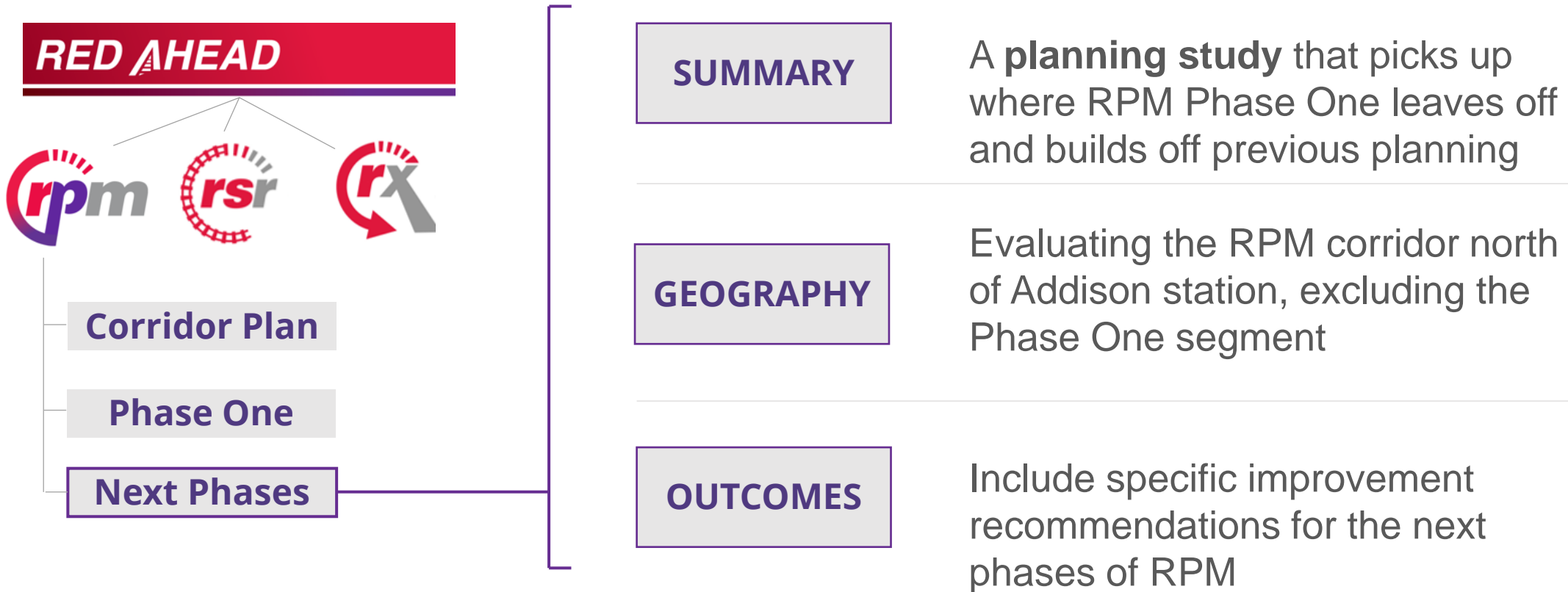
**5.57**

**MILLION RIDES**

Week ending October 8  
Up 44k rides from previous week



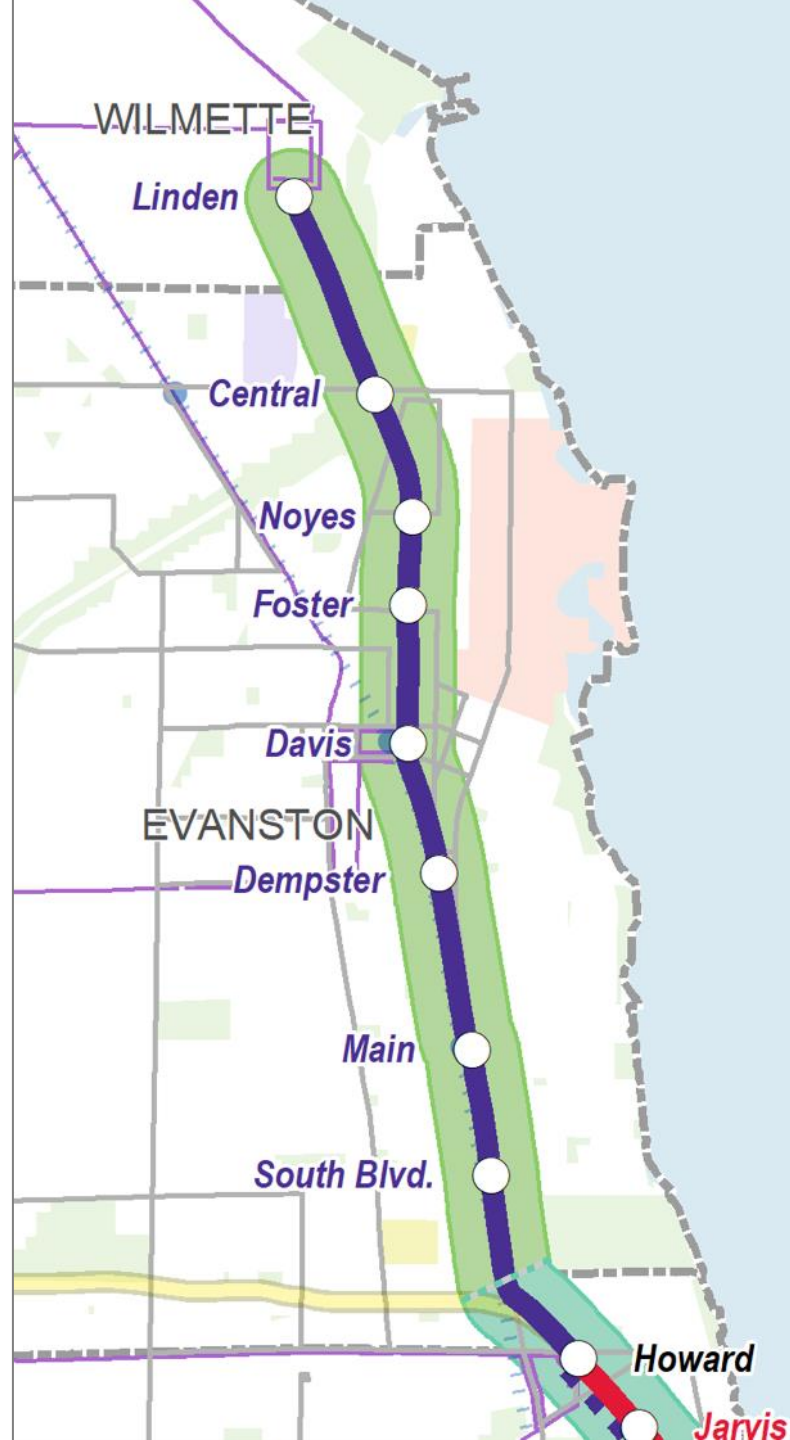
# OVERVIEW AND GOALS



# STUDY AREA

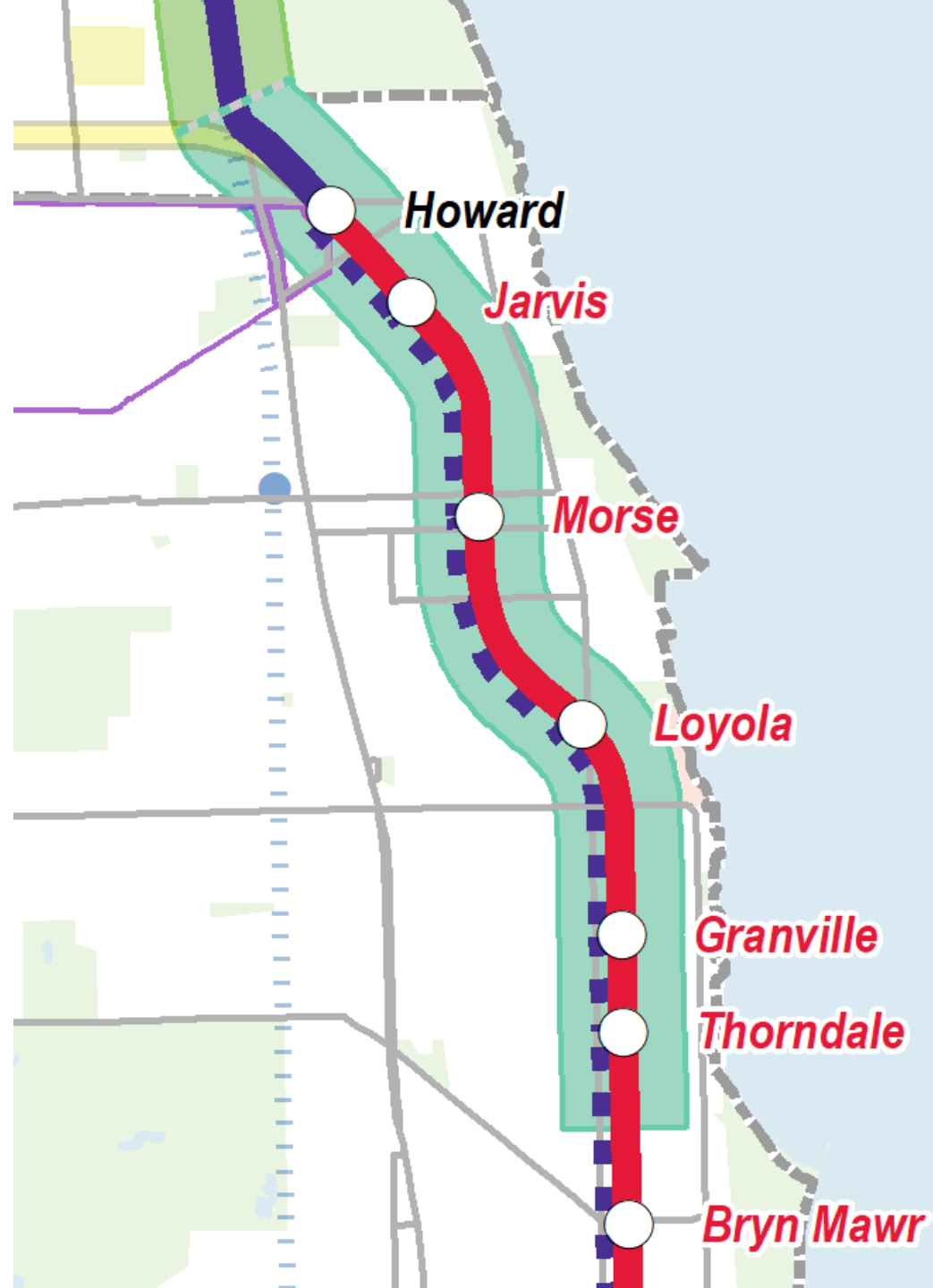
## EVANSTON BRANCH

Evanston Branch



# STUDY AREA THORNDALE to HOWARD

Thorndale to Howard



# STUDY AREA

## ADDISON to SHERIDAN

Addison to Sheridan





## WHY IT'S NEEDED

Red and Purple Lines run on structures built more than 90 years ago and are beyond their useful life  
= **higher maintenance cost and slow travel speeds**

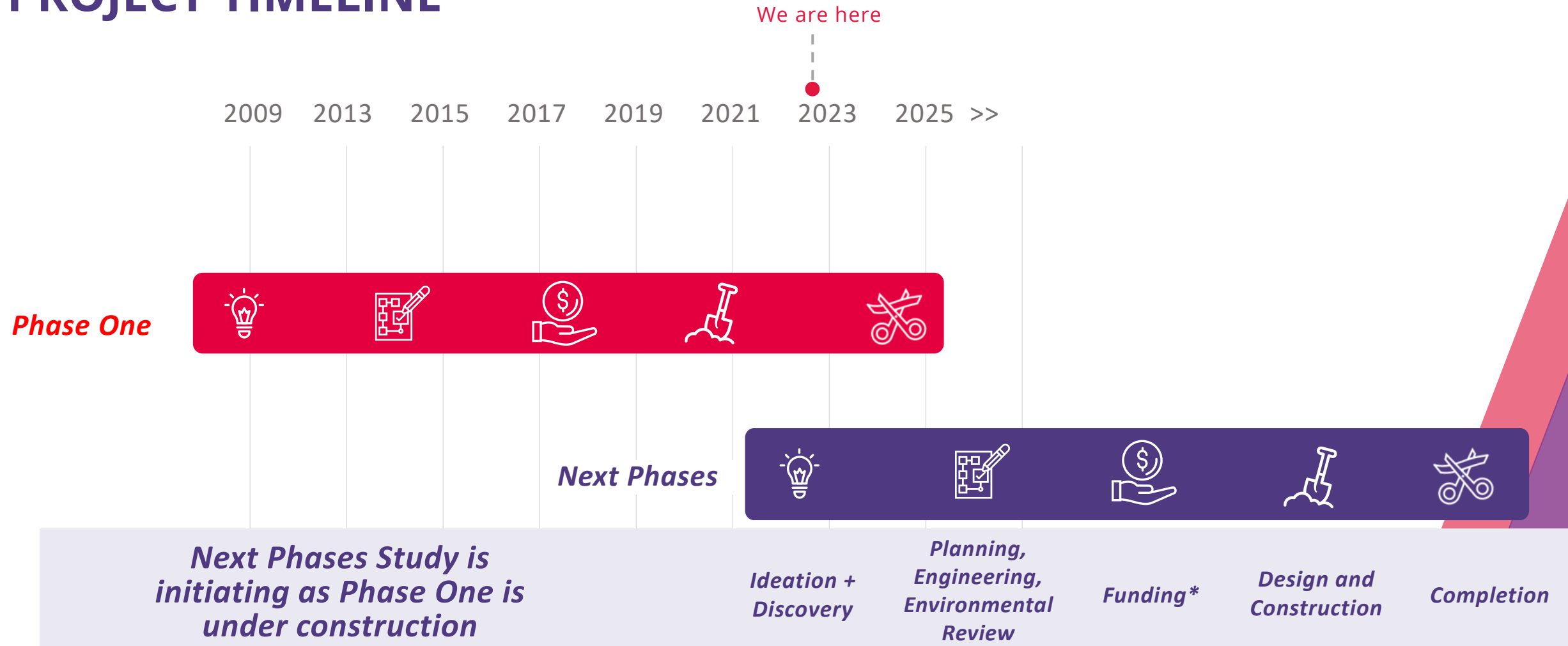
Serves customers in stations built in the 1920's  
= **cramped and not ADA accessible**

In the 5 years prior to COVID-19, there was a 40% increase in morning and evening ridership  
= **crowding and less reliability**

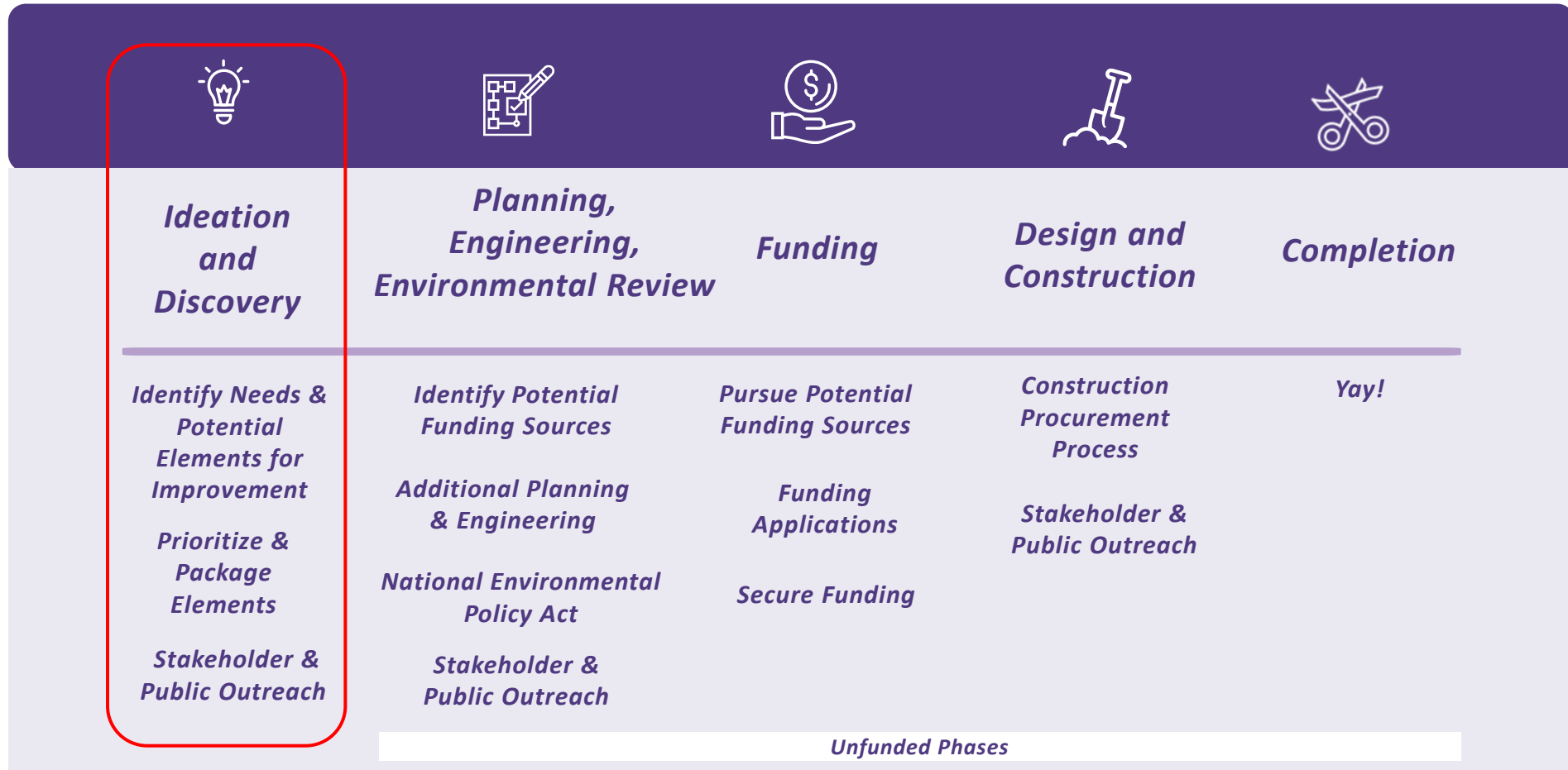
Provide 1 out of every 5 CTA train rides  
= **great potential!**



# PROJECT TIMELINE



# NEXT PHASES PROCESS



We are here

**POLL  
Question #2**



**What kinds of trips do you make using the Red and Purple Lines?**



# Existing Conditions



## EXISTING CONDITIONS

- With exception of a few stations, the Red and Purple Line stations and support structures in the study area are **90-100 years old**.
- Most stations need **complete reconstruction** to lessen maintenance issues, provide modern amenities, and be more accessible
- Much of the infrastructure is at the **end of its useful lifespan**
- The Red Line is the **busiest**



*Morse station in the 1940s*

# Outcomes and Considerations



# PROJECT ELEMENT TYPES

The outcome of the study will be a set of recommendations for improvements within the study area.



## YARD CAPACITY

Available area for train storage



## TERMINALS

Number of terminal tracks

Switch and track geometry



## STATIONS

Modernization

Implementation of All Stations Accessibility Program (ASAP)

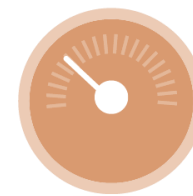
10-car (Red) and 8-car extensions (Purple)



## SIGNALS

Type of system

System design



## SPEED

Curve geometry

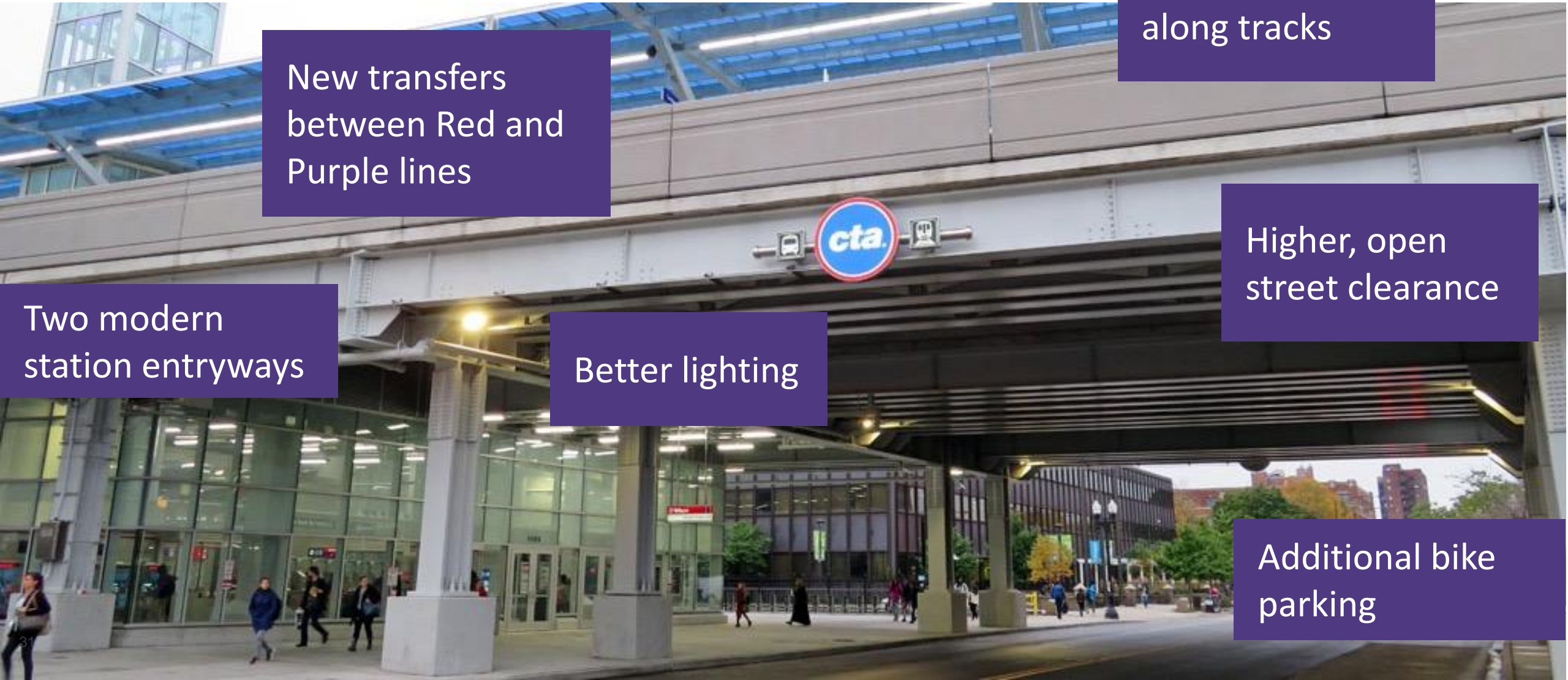
Infrastructure condition



## TRACTION POWER

Upgrades

# PREVIOUS EXAMPLE: WILSON STATION



New transfers between Red and Purple lines

Noise barriers along tracks

Higher, open street clearance

Two modern station entryways

Better lighting

Additional bike parking



# EXAMPLE: WILSON STATION

A wide-angle photograph of the Wilson Station platform. The platform is covered by a large, translucent blue canopy supported by a network of grey metal beams. The platform is long and wide, with a blue tactile strip along the edge. In the background, a brick building with 'Wilson' signage is visible. Several people are walking on the platform, and a person is using a wheelchair. The overall atmosphere is modern and well-lit.

Translucent  
canopies along  
entire platforms

Platforms long enough  
for potential future  
10-car trains

Elevators

Wider platforms with  
additional seating,  
braille, and signage

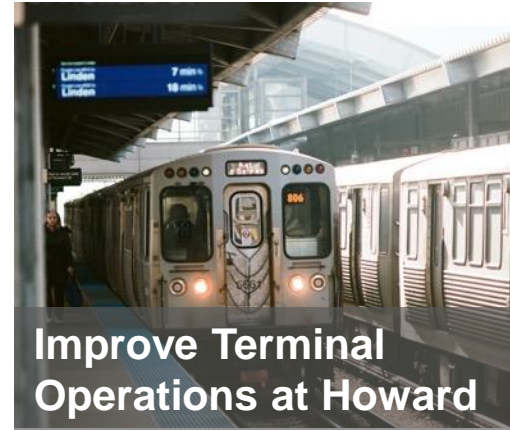
# PROJECT ELEMENTS

## Examples

Future improvements are carefully considered as they need to be done under a variety of constraints



TERMINALS



### CONSTRAINTS

- Managing three lines
- Station is surrounded by historic buildings



STATIONS



### CONSTRAINTS

- There is no room in the current structure to make ADA accessible
- Existing condition creates maintenance challenges
- CTA property along the curve is limited

# Engagement



# ENGAGEMENT TOUCHPOINTS



## Stakeholder Meetings

*January, February 2023*



## Virtual public meetings

*March 2023*

## Round One Engagement



## Survey

Survey to gather  
broader feedback



## Website

Regular website updates



*A second round of engagement is  
anticipated for **Fall 2023***

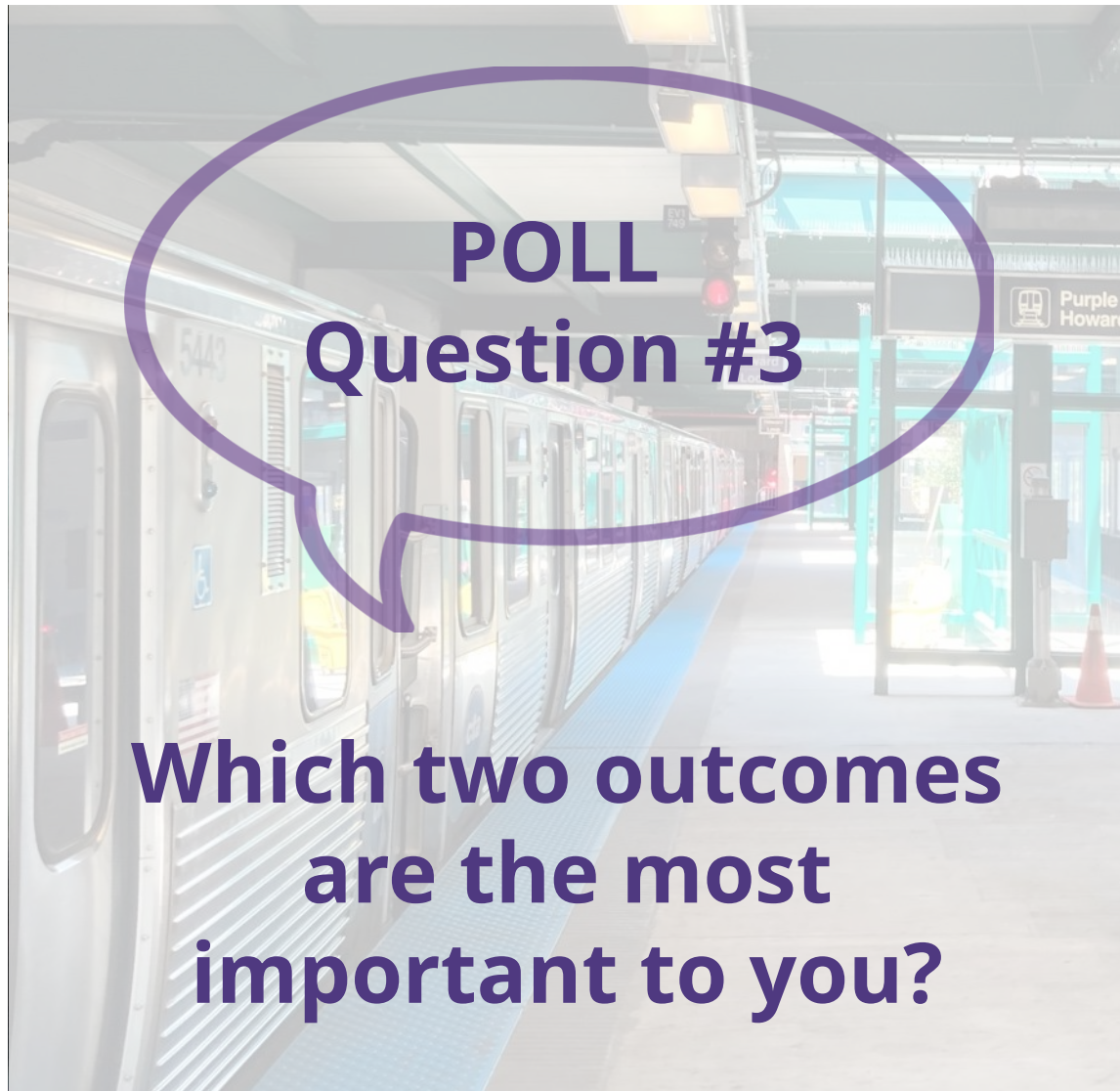
- Public input, along with technical analysis, will **help inform potential study element improvements**
- We will keep you informed as the project moves forward



Please share survey link!

[www.transitchicago.com/rpm/next-phases/](http://www.transitchicago.com/rpm/next-phases/)





**Reliability**

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**Speed of Trip**

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**Frequency**

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**Transfer Points  
between Red and Purple**

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**Pedestrian and Cycling  
Paths Near Stations**

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**Bus-to-Train  
Connections**

# Questions & Answers



# STAY CONNECTED

Website and Survey

[transitchicago.com/rpm/next-phases/](https://transitchicago.com/rpm/next-phases/)

Email

[rpmnextphases@transitchicago.com](mailto:rpmnextphases@transitchicago.com)

For all things RPM

[transitchicago.com/rpm](https://transitchicago.com/rpm)

Social Media

[@ctarpm](https://twitter.com/ctarpm)

THANK  
YOU!

