



Construction &  
Development

9/20/2023

# Accessibility Update

Delivering Better, Faster, and Cheaper

# 6 ADA Station Openings This Year (So Far)

## Dyckman St



# 6 ADA Station Openings This Year (So Far)

8 Av 



# 6 ADA Station Openings This Year (So Far)

Court Sq 




# 6 ADA Station Openings This Year (So Far)

**Grand St** 



# 6 ADA Station Openings This Year (So Far)

E 149 St 

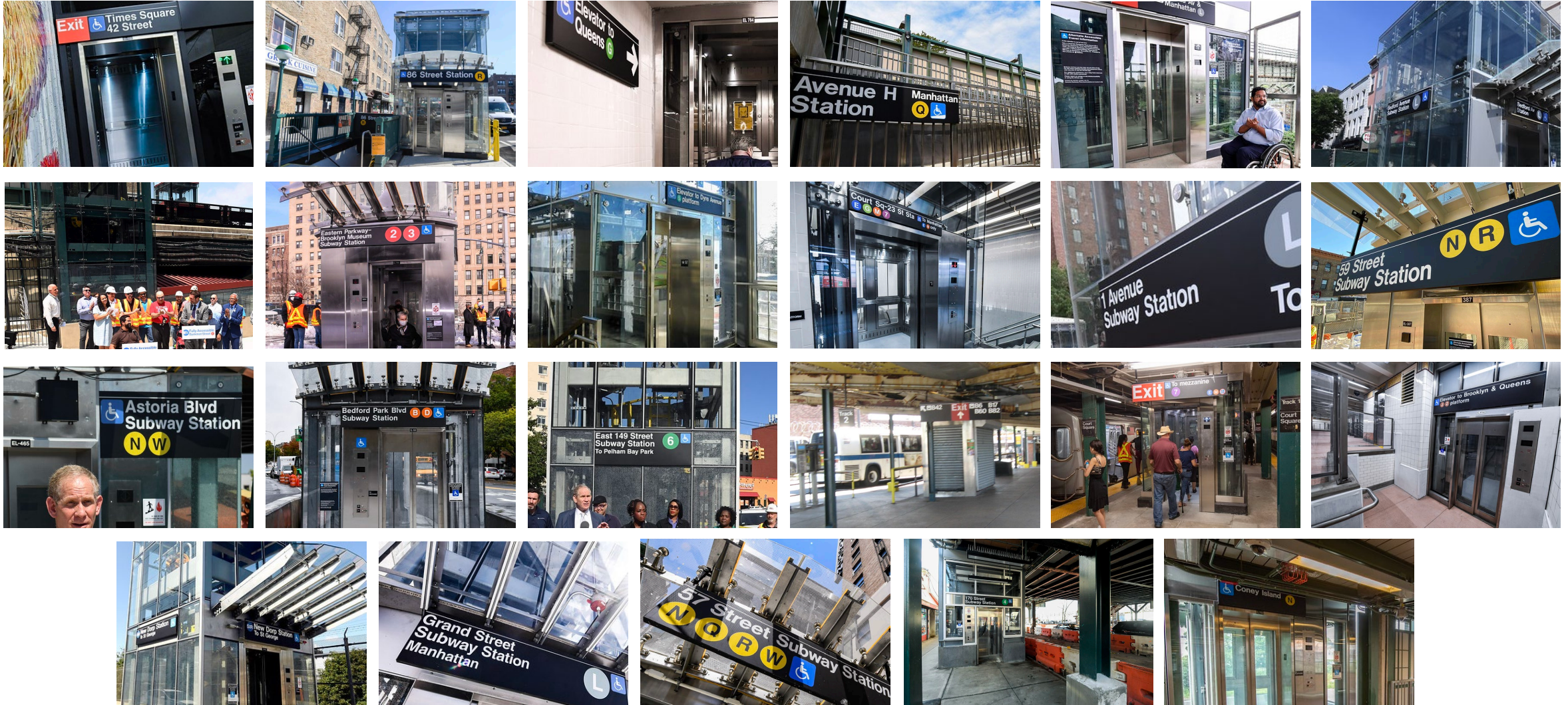


# 6 ADA Station Openings This Year (So Far)

New Dorp 



# 23 Stations Since 2020





# 23 Stations Completed Since 2020



# Accelerating Pace

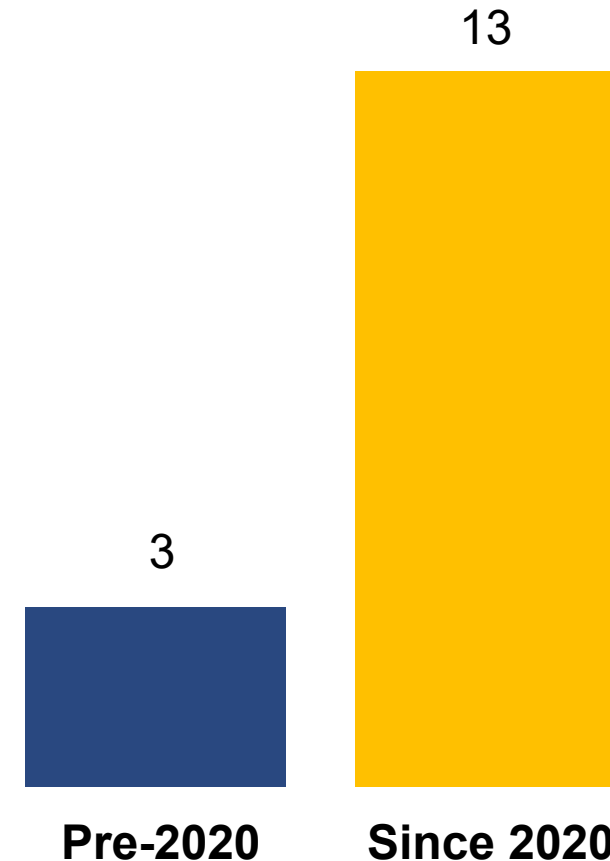
**28 stations**

in construction

**16 stations**

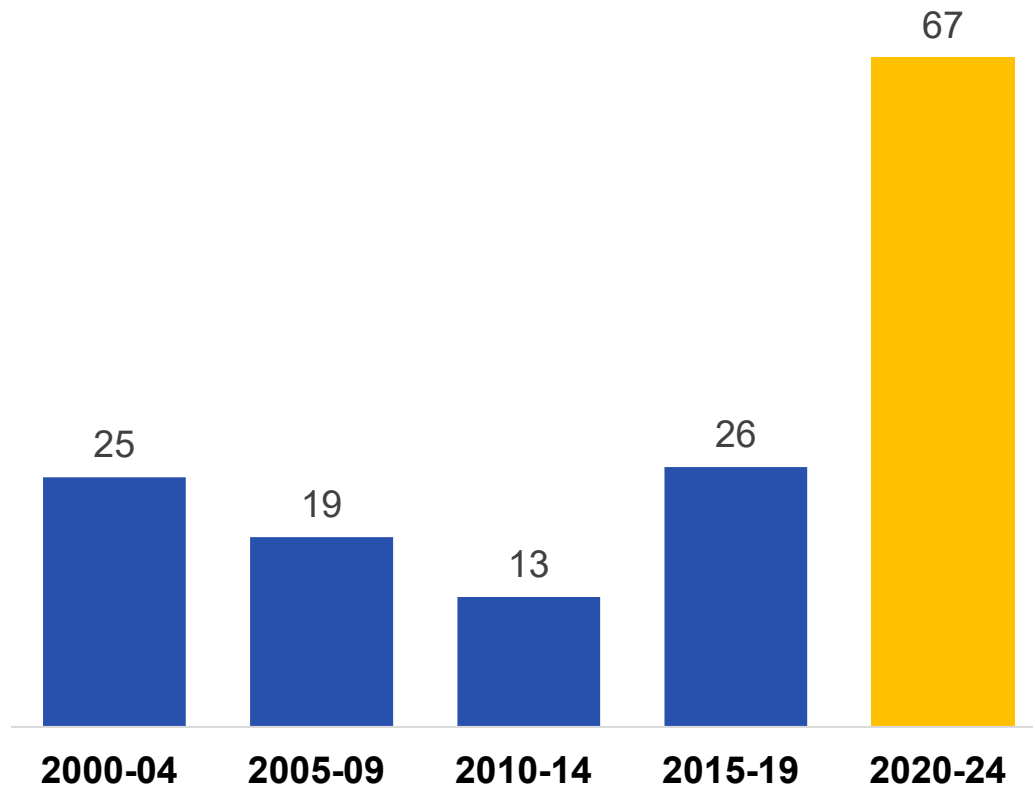
to be awarded this year

## ADA Station Awards Per Year



# Historic Investment

## ADA Stations by Capital Plan

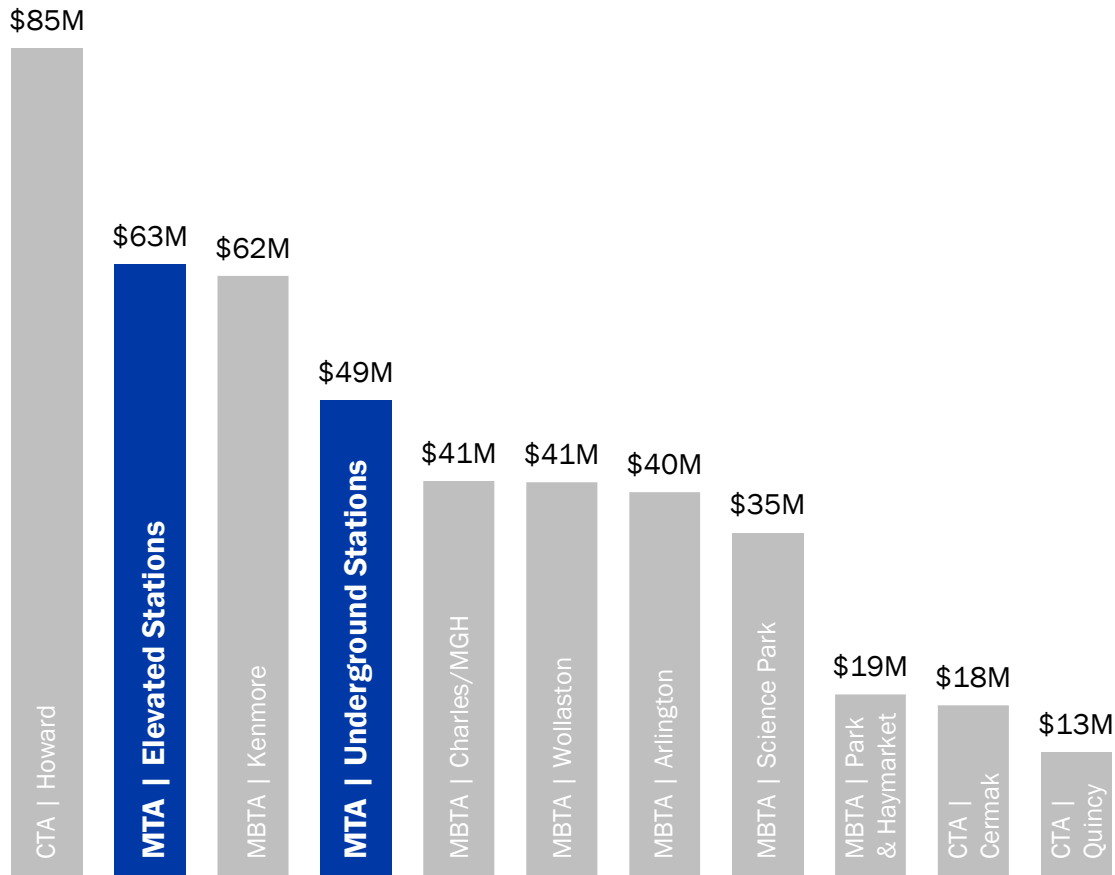


**\$5.2 billion**

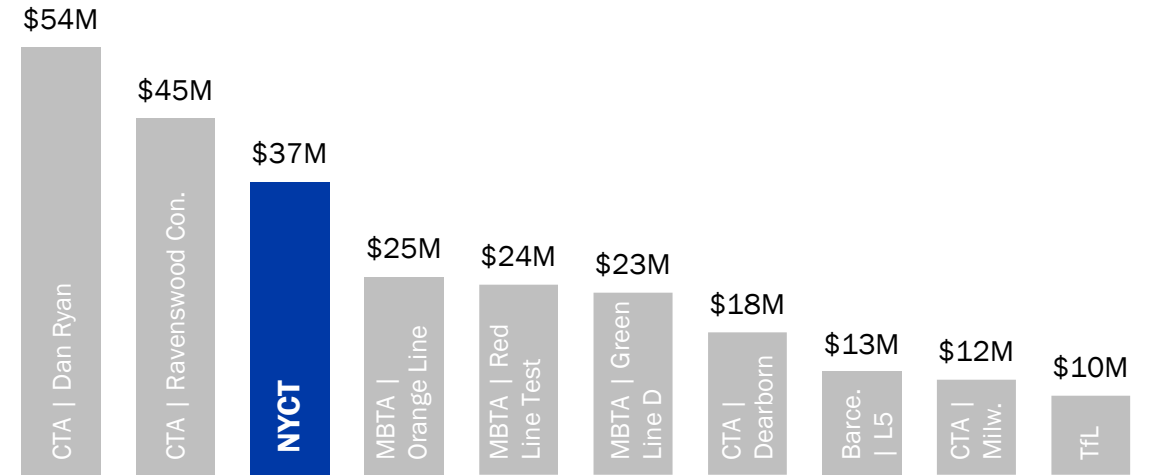
dedicated to subway accessibility

# Better, Faster, Cheaper

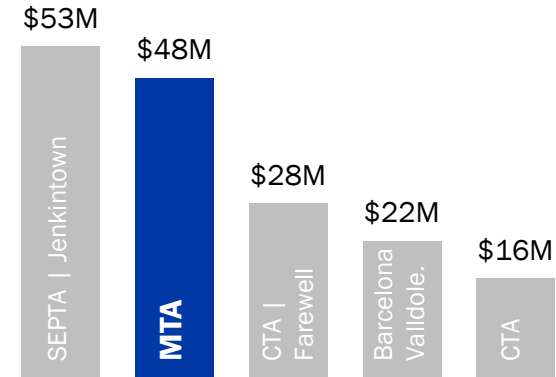
## ADA Accessibility | Cost Per Station (2021 \$M)



## Track | Cost Per Replacement Mile (2021 \$M)



## Power | Cost Per New Substation (2021 \$M)



# Better, Faster, Cheaper

← LESS MTA CONTROL

MORE MTA CONTROL →



## High Ridership & Built Environment

### Improved utilities coordination & review

Regular coordination with utilities and agencies

### Joint development opportunities

Active pursuit of TOD partnerships (e.g. private partner delivering 225-electric bus facility at Gun Hill)



## Regional Labor & Materials Costs

### Project labor agreement with union partners

First PLA agreement in C&D history for Park Avenue Viaduct

### Pursue Strategic Sourcing

Explore cost reductions through economies of scale

### Develop procurement optimization tools

Leverage data for bid analysis & negotiations



## Operating Constraints & Regulations

### Outage and force account reform

Demand-based forecasting, longer outages, improved planning

### OCIP insurance reform

Procurement reform, safety management, managed care

### Performance-based code

Developing code to reduce unwarranted requirements



## Scope & Design

### Project definition & value analysis

Reducing unnecessary scope where possible (e.g. simplifying CBTC requirements)

### Removing unnecessary tasks

E.g. station modernization strategic plan

### Streamlined specifications

Reducing over-customization with master specs



## Project Delivery

### Innovative contract models & incentives

Deploying DB, A+B, P3, progressive DB; construction management incentives

### Contract bundling

Achieve economies of scale

### Aggressive project management

Empowering PCEOs, streamline change order process

### Digital management & analytics system

Unify data systems

# Better, Faster, Cheaper



## Challenge

NYC's dense, unmapped utilities network can lead to cost overruns and schedule delays

## Cost Containment Solution

Improved utilities coordination & review

## Case Study

At **Hunter College/68 St**, close coordination with DEP avoided water line disruption, which would extend schedule

## Result

**Avoided \$10M of cost increases, project remained on schedule**

# Better, Faster, Cheaper



## Challenge

NY's real estate conditions often drive construction costs

## Cost Containment Solution

Joint development opportunities

## Case Study

Under Zoning For Accessibility, developers are building accessible entrances at **57 St** and **Queensboro Plaza**

## Result

**Developer will build and maintain entrances (valued at ~\$30 million) at no cost to the MTA**

# Better, Faster, Cheaper



## Challenge

MTA projects require materials and advanced equipment, stretching supplier capacity

## Cost Containment Solution

Bundling and contract structuring to attract new suppliers

## Case Study

Public-private partnership (P3) bundle attracted additional elevator manufacturer to supply MTA

## Result

**Increased competition amongst suppliers**



# Better, Faster, Cheaper



**Metropolitan-Lorimer**  
ADA Package 1 (8 Stations)  
Budget: \$104M  
Schedule: Q4 2023

## Challenge

Running 24/7 service means high force account costs to maintain safety during construction

## Cost Containment Solution

Outage and force account reform

## Case Study

Eliminated station closures and reduced flagging costs at **Metropolitan Av** using construction barriers, maximizing work during service outage

## Result

Reduced outages, on schedule and ~\$60M under budget across **ADA Package 1**

# Better, Faster, Cheaper



## Challenge

ADA projects have designs that increase complexity & potential outages

## Cost Containment Solution

Project definition & value analysis

## Case Study

Project team created alternate design with direct street-to-platform elevators at **Woodhaven Blvd**, eliminating need for one of three planned elevators

## Result

**Resulted in ~\$30M savings compared to initial estimate**

# Better, Faster, Cheaper



## Challenge

ADA projects have designs that increase complexity & potential outages

## Cost Containment Solution

Project definition & value analysis

## Case Study

Value engineering during preliminary design of **168 St** identified way to utilize existing ventilation shaft

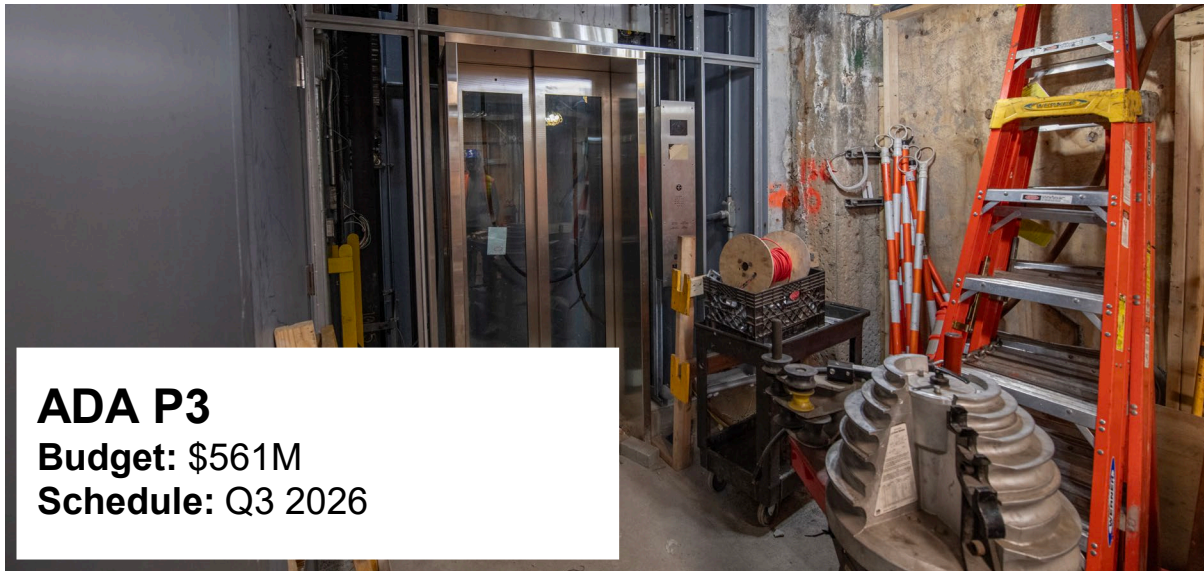
## Result

Resulted in ~\$100M savings compared to initial estimate

# Better, Faster, Cheaper



**Platform Components  
at 43 Stations**



**ADA P3**  
Budget: \$561M  
Schedule: Q3 2026

## Challenge

Appropriate risk sharing with contractors can enable higher performance and time/cost savings

## Cost Containment Solution

Innovative contract models & incentives

## Case Study

Implemented MTA's **first P3 package of ADA stations** and **first Progressive Design Build** to bring 43 stations into state of good repair

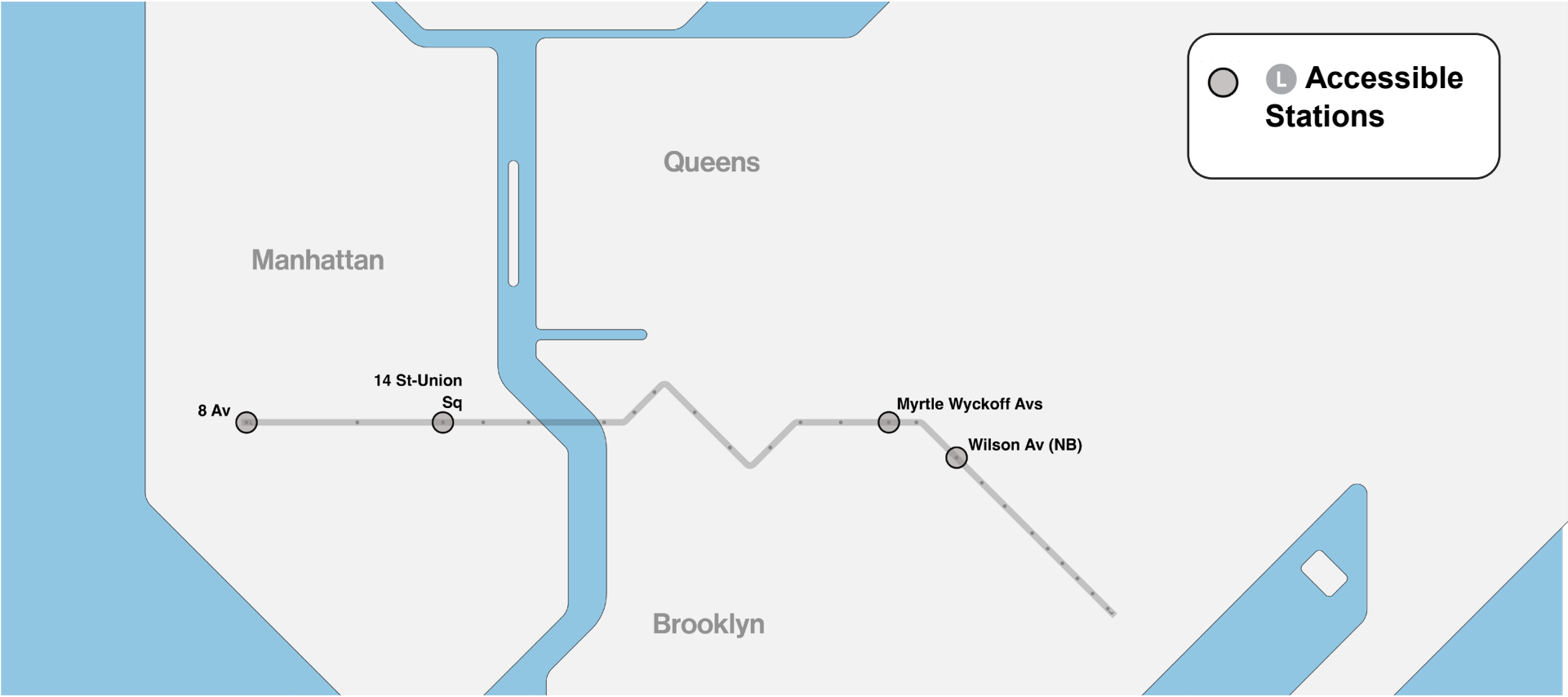
## Result

**Incentivizes high performance (P3); minimizes change order and reduce time to testing (PDB)**

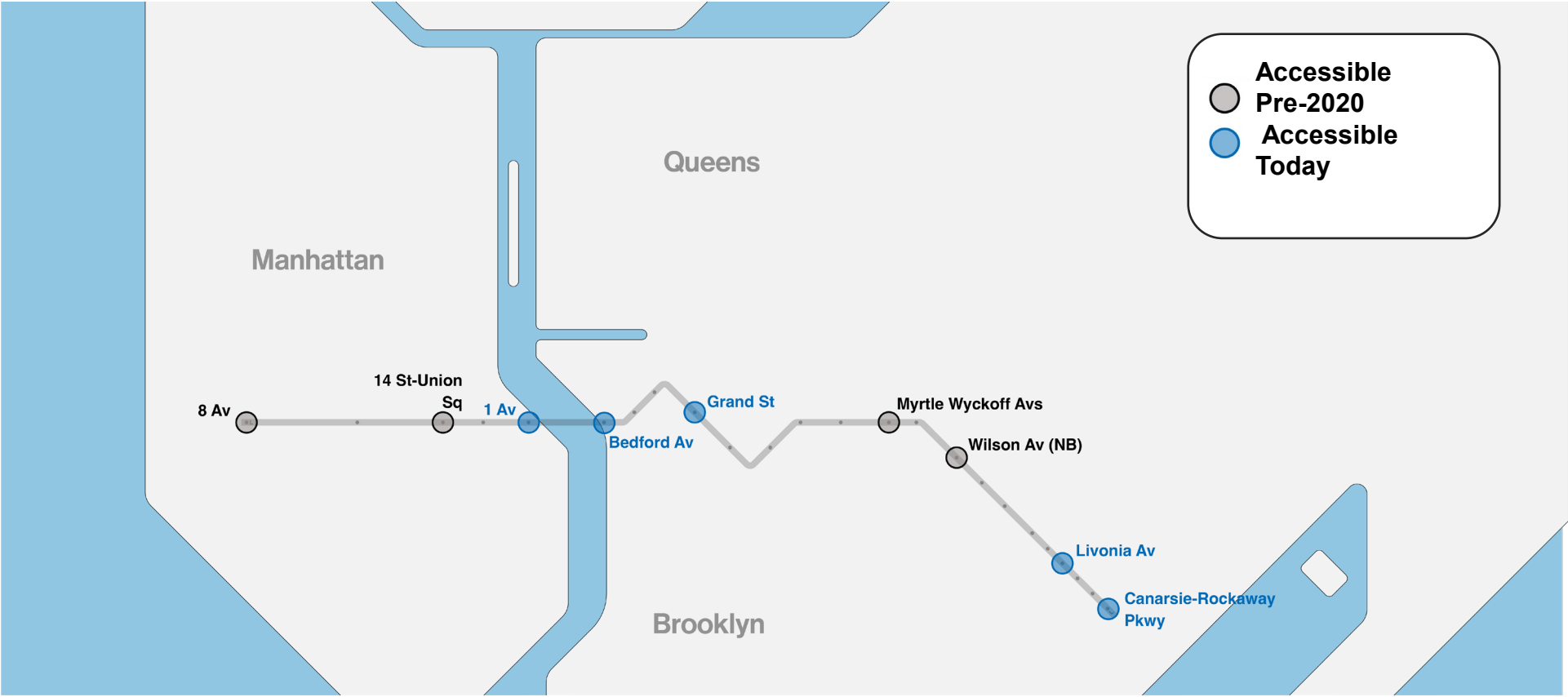
# Real Impact for Customers



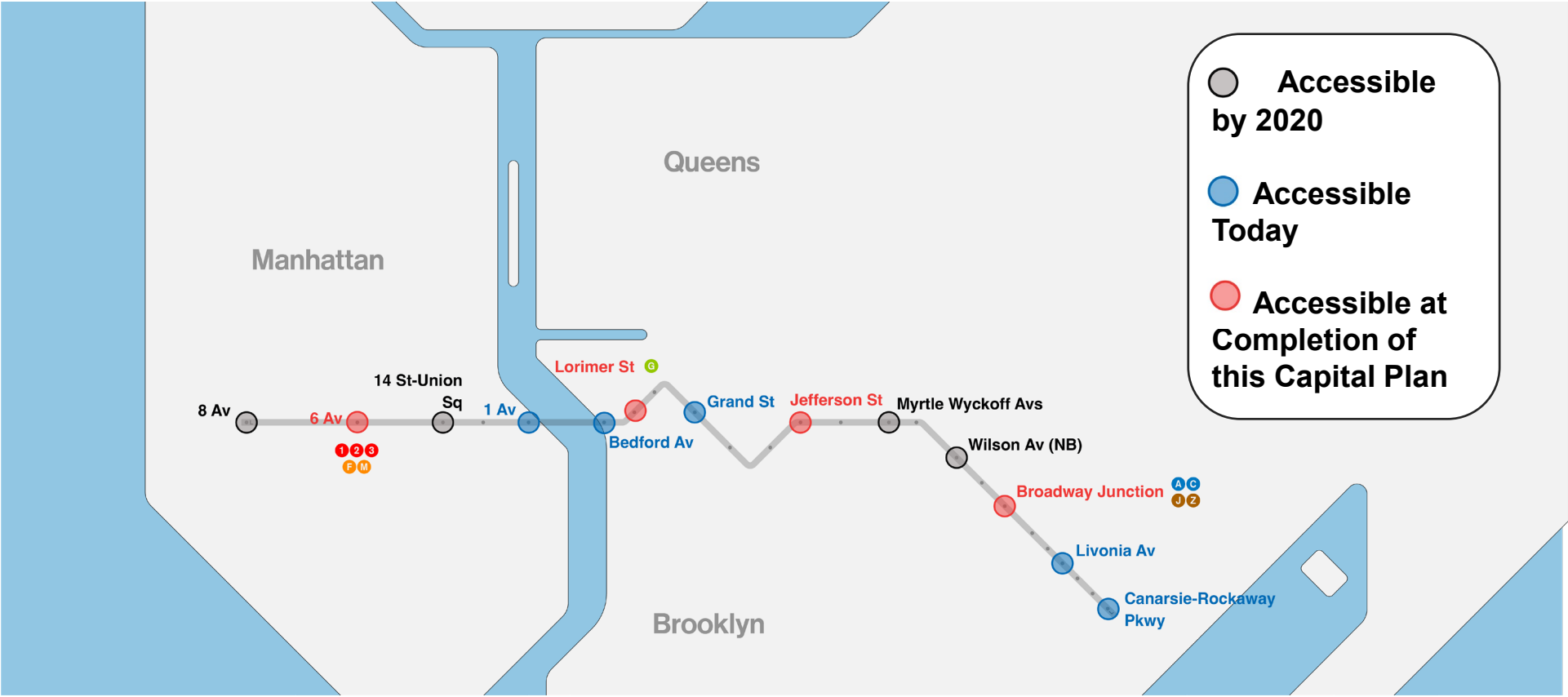
# Where We Were: L Line on January 1, 2020



# Where We Are: L Line Today

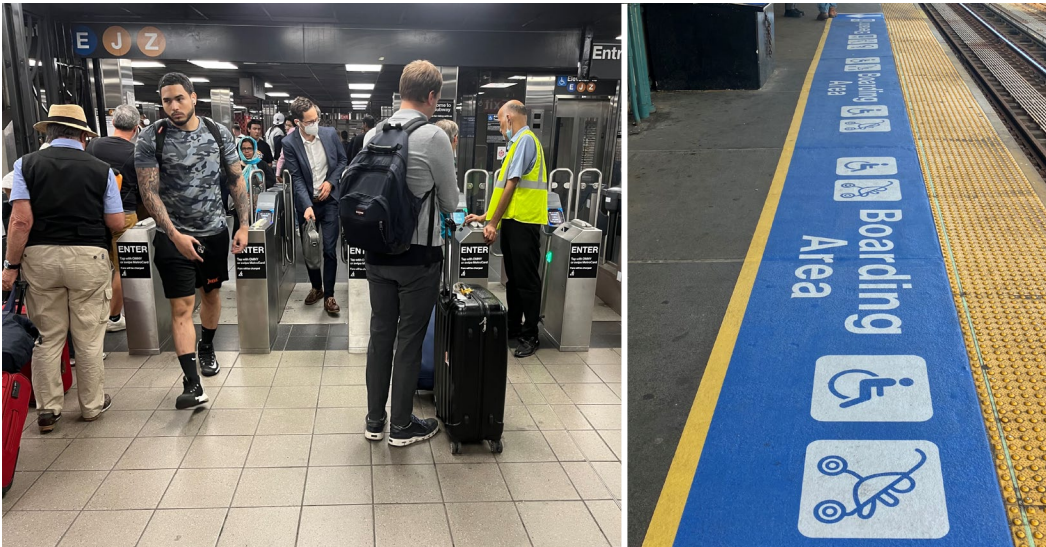


# Where We Are Going: L Line in 2025





# A Broader Vision for Accessibility



The Full Path of Travel



Signage, Wayfinding, and Technology

# Delivering Impact

