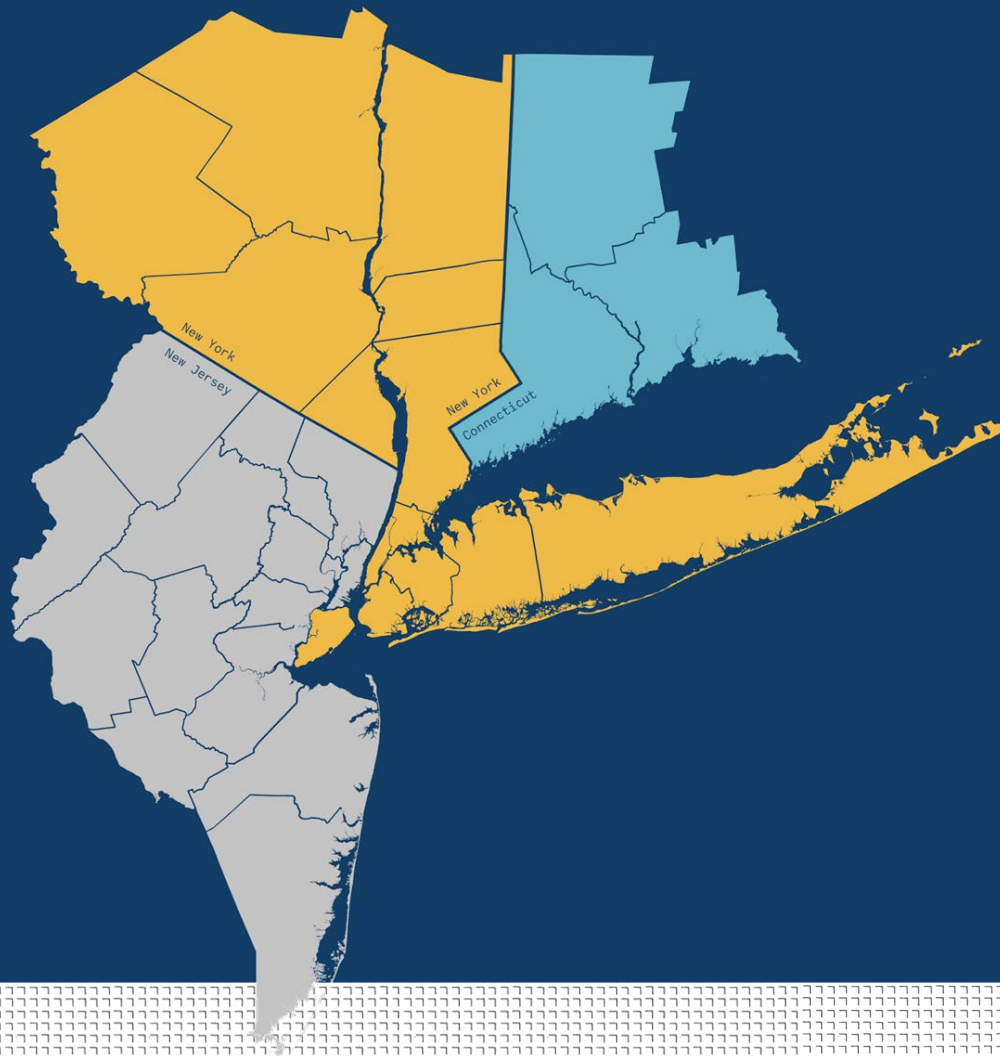




Penn Station and the Gateway Program

Brian Fritsch
brian@rpa.org
LAI Presentation and Tour
September 22, 2022

Our region



REGION AT A GLANCE

3

States

31

Counties

782

Municipalities

23 million

Residents

13 thousand

Square Miles

Regional Plans

Since 1929, RPA has released four long-range plans to guide the growth and development of the region.

The plans have led to the establishment of some of the region's most significant infrastructure, open space, and economic development projects.

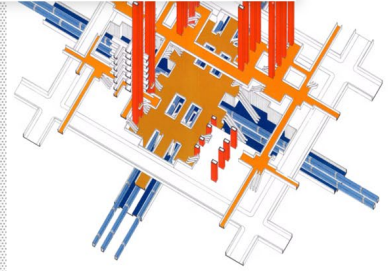
May
1929

Regional Plan of New York and Its Environs



Nov
1968

The Second Regional Plan



Feb
1996

A Region at Risk: The Third Regional Plan



Nov
2017

The Fourth Regional Plan

Making the Region Work for ALL of Us



Bridge and Tunnel Crossings into Manhattan

Trans-Hudson Crossings:

1908: Uptown Hudson
Tubes

1909: Downtown Hudson
Tubes

1910: North River Tunnel

1922: Holland Tunnel

1931: George
Washington Bridge

1937-57: Lincoln Tunnel

**6 Hudson
River**

1 Bridge / 5 Tunnels

**15 Harlem
River**

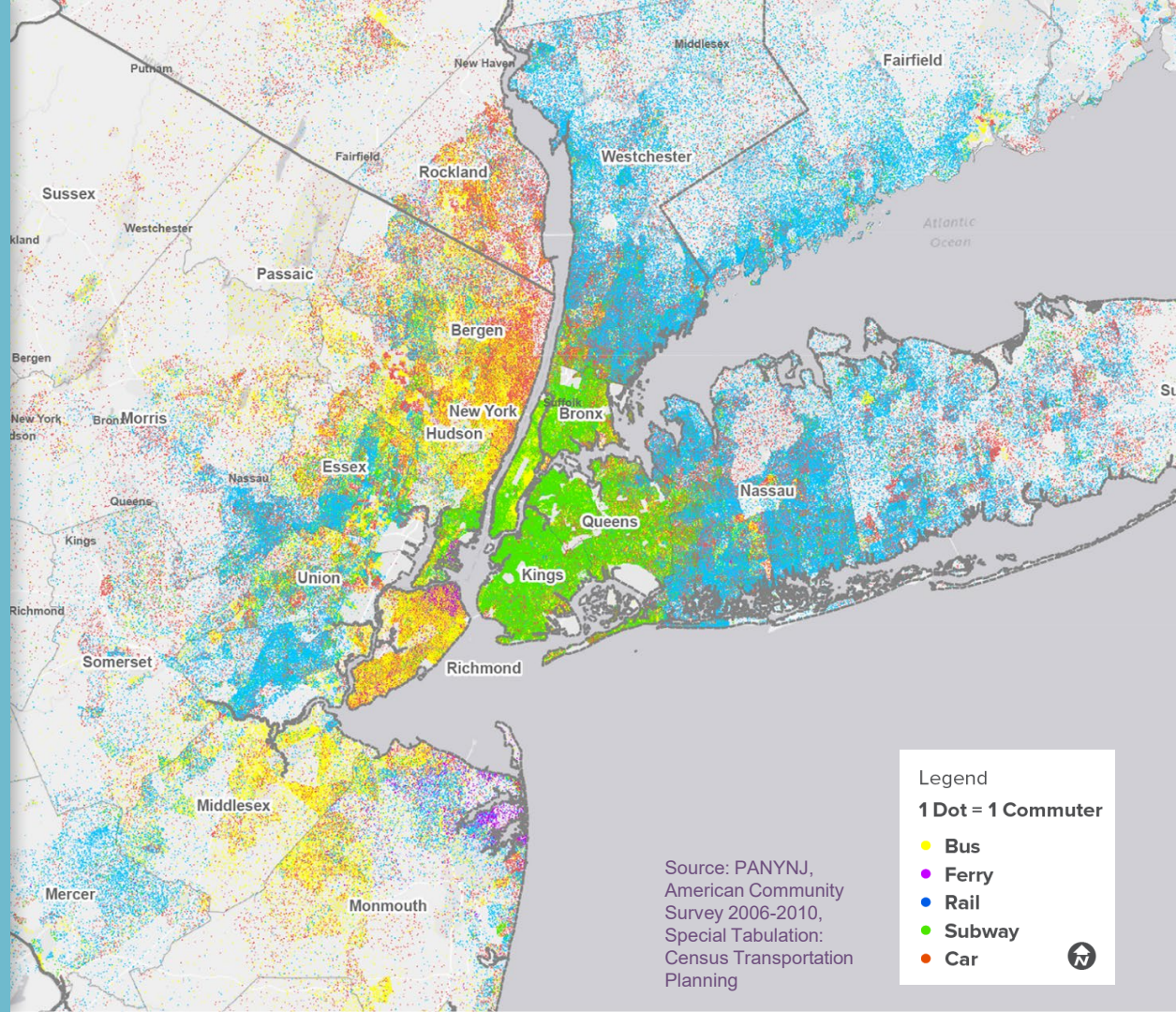
12 Bridges / 3 Tunnels

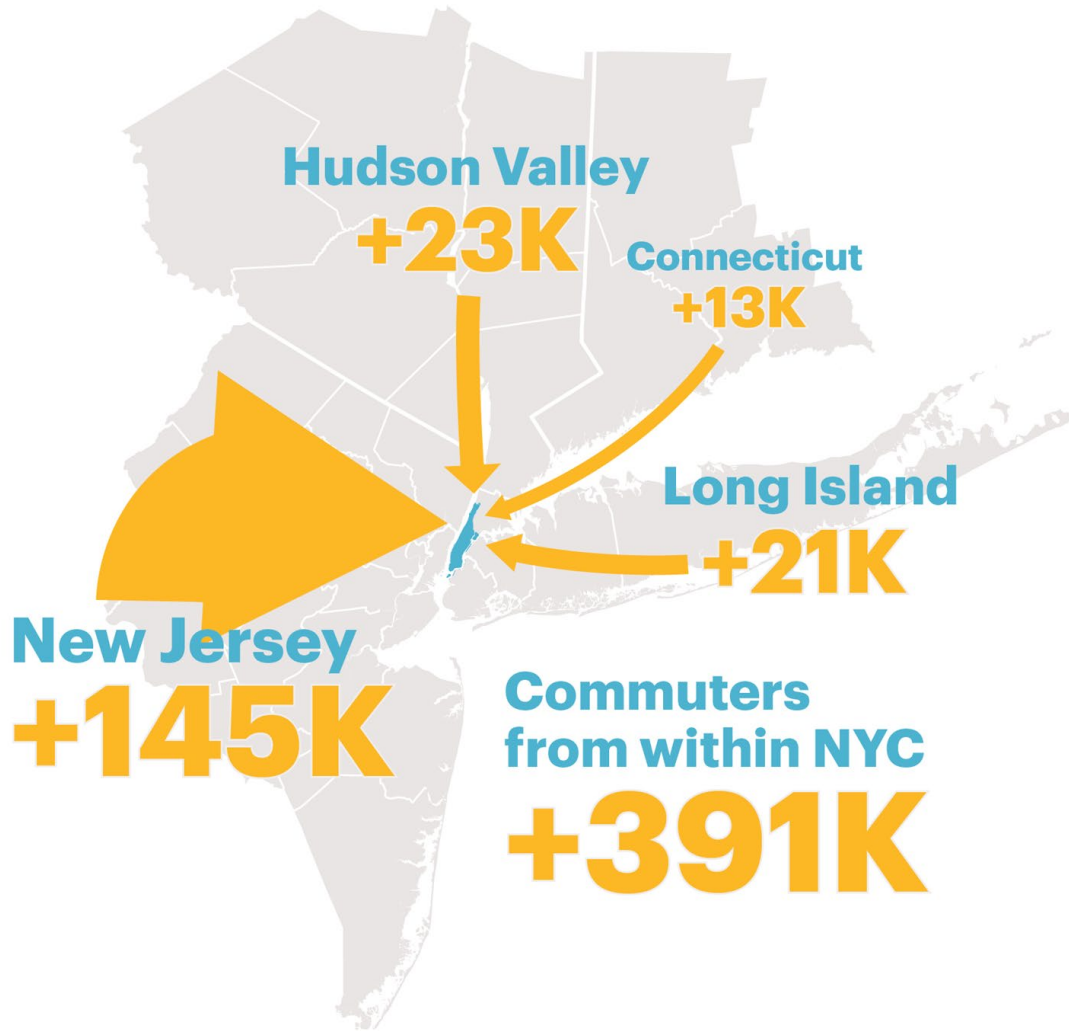
**18 East
River**

5 Bridges / 13 Tunnels



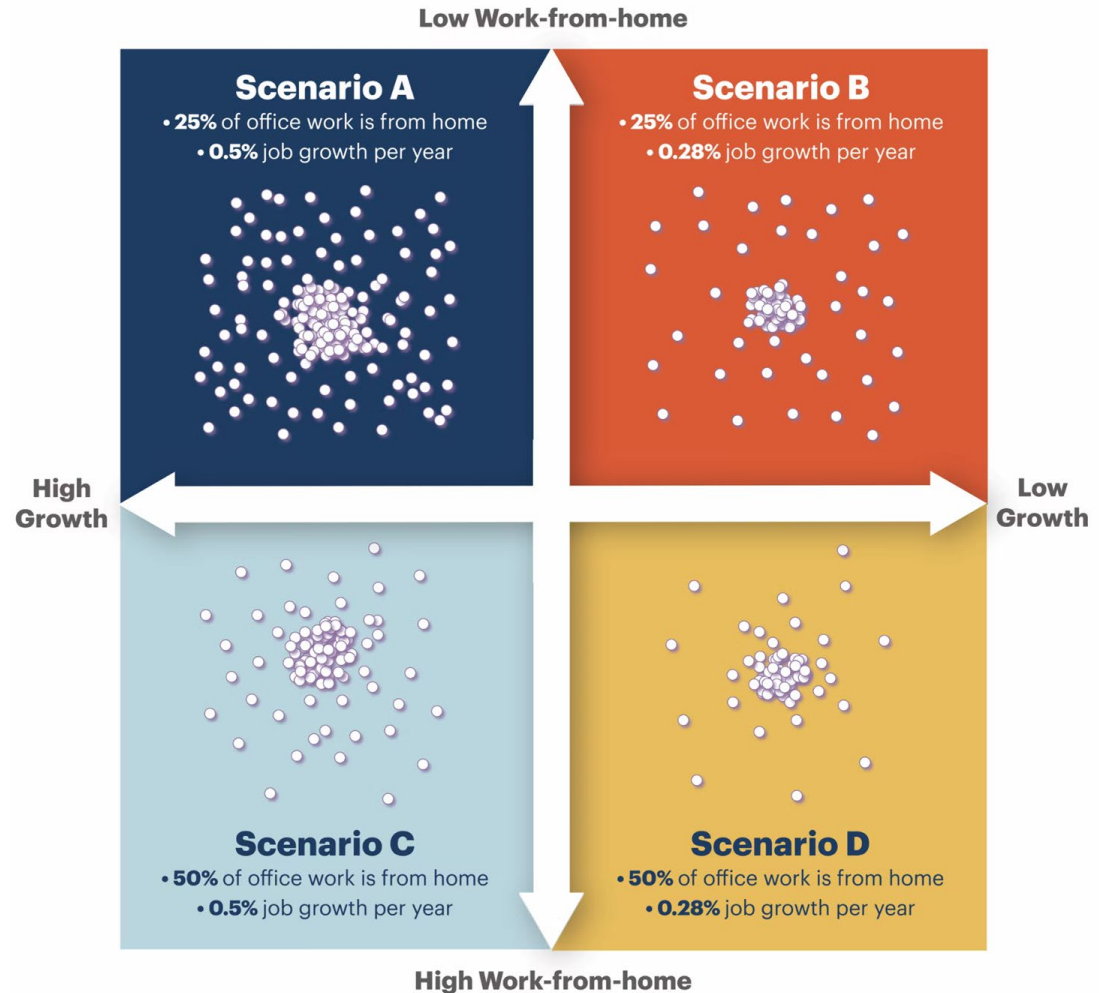
Mode Split by Origin for Commuters Working in Manhattan 2010





**Change in
Manhattan-
bound
commuters:
1990-2019**

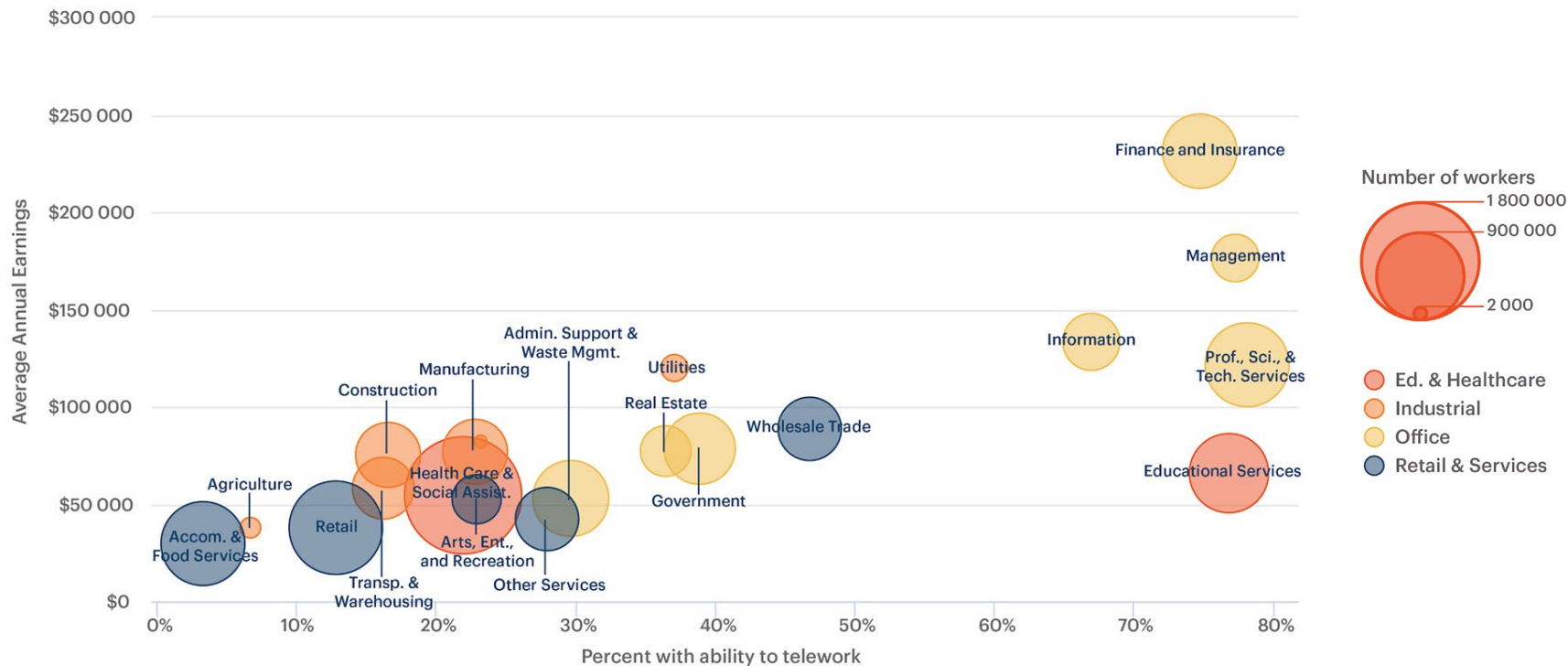
New Scenarios for Growth and Remote Work



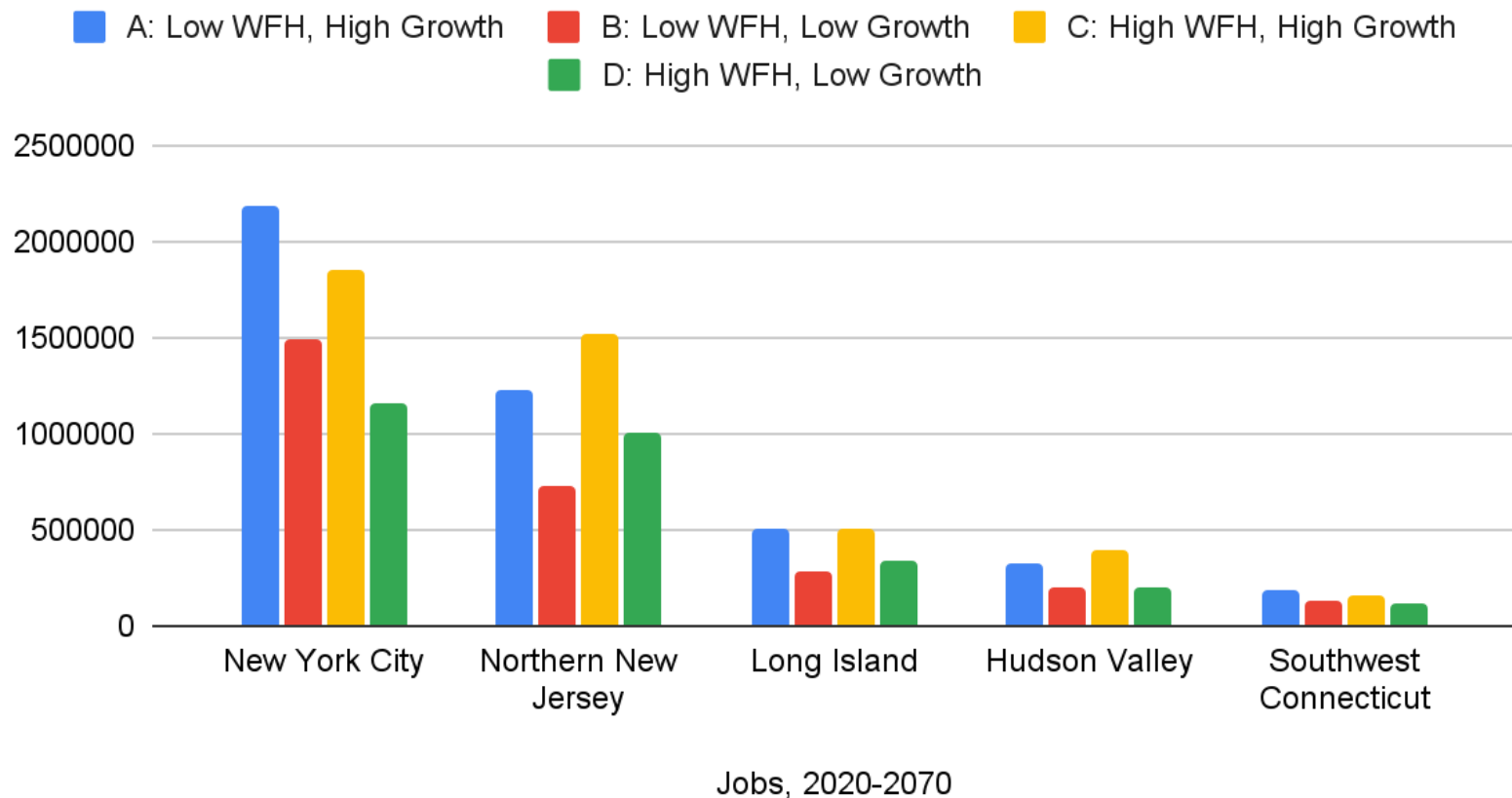
Ability to Telework by Industry

Ability to telework and average annual earnings, by industry

NY-NJ-CT Region

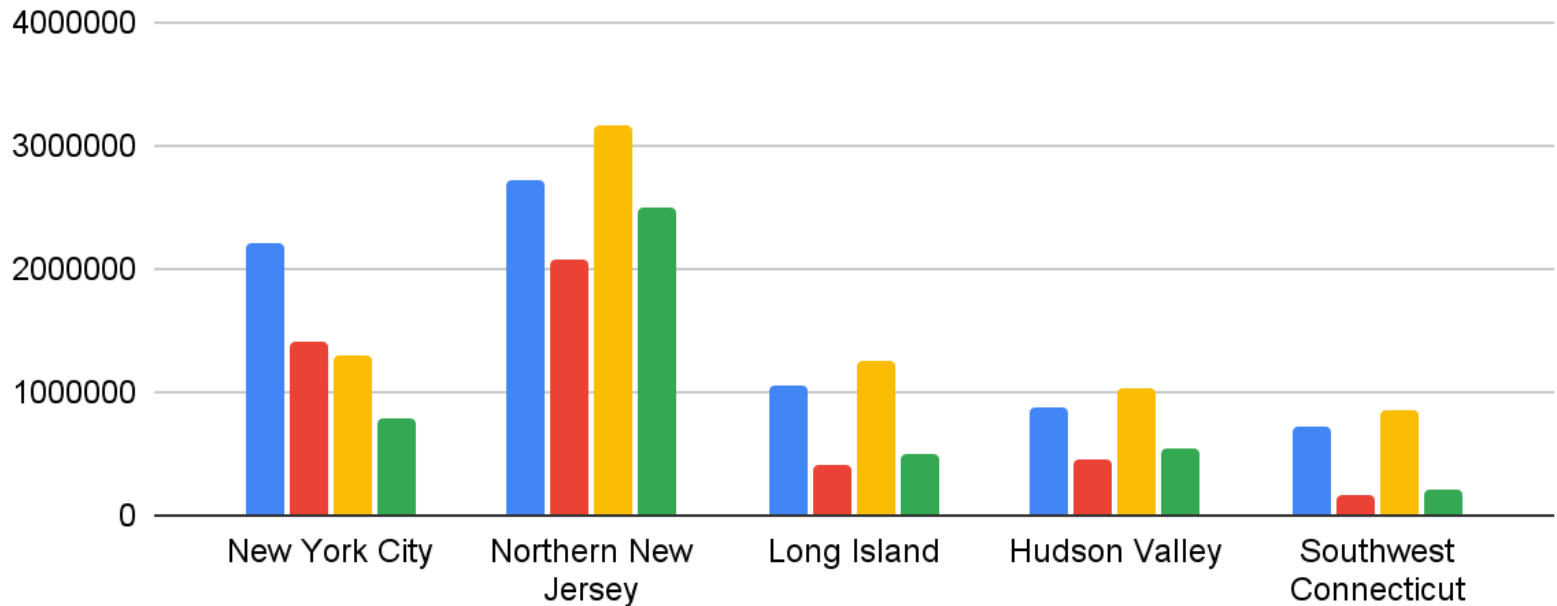


Job Change, 2020-2070



Population Change, 2020-2070

■ A: Low WFH, High Growth ■ B: Low WFH, Low Growth ■ C: High WFH, High Growth
■ D: High WFH, Low Growth

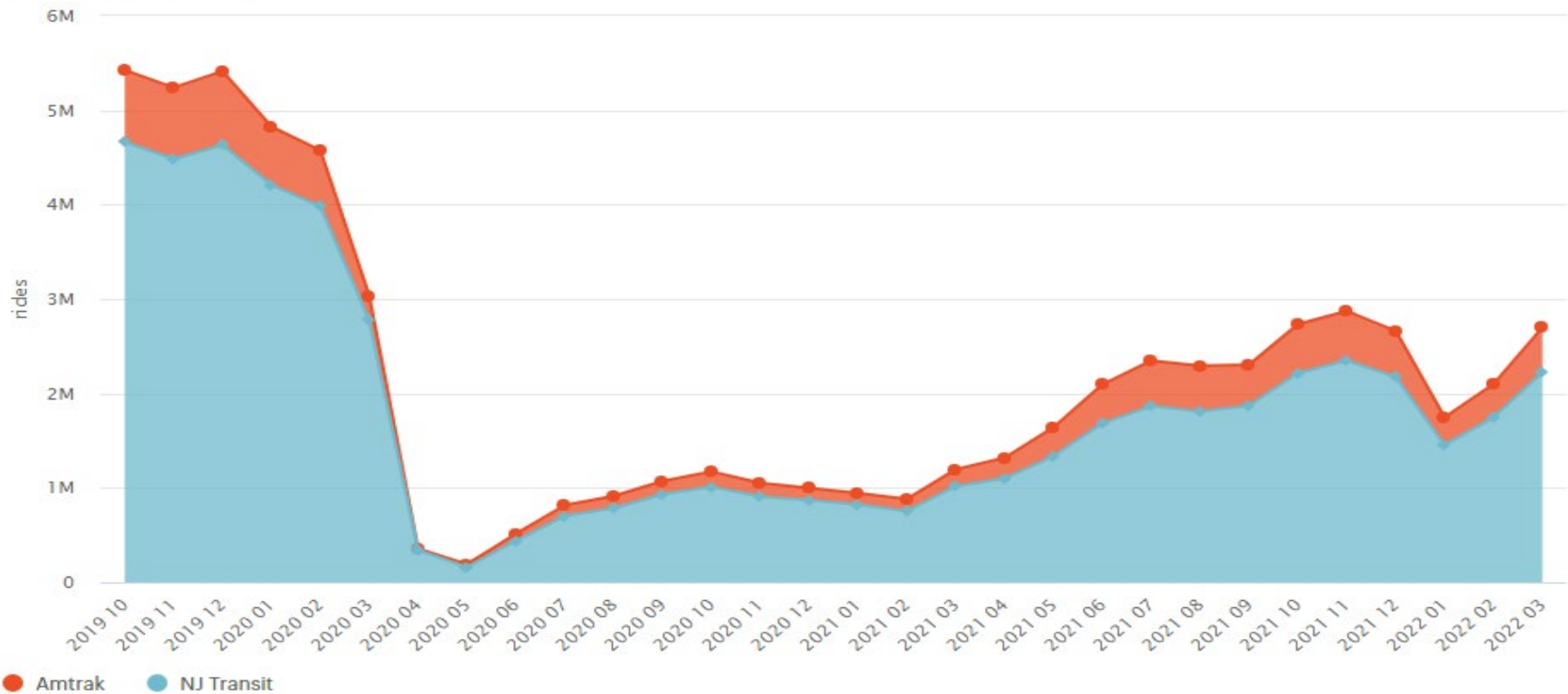


Population, 2020-2070

Pandemic Ridership Decline and Recovery

Trans-Hudson Amtrak and NJ Transit Monthly Ridership

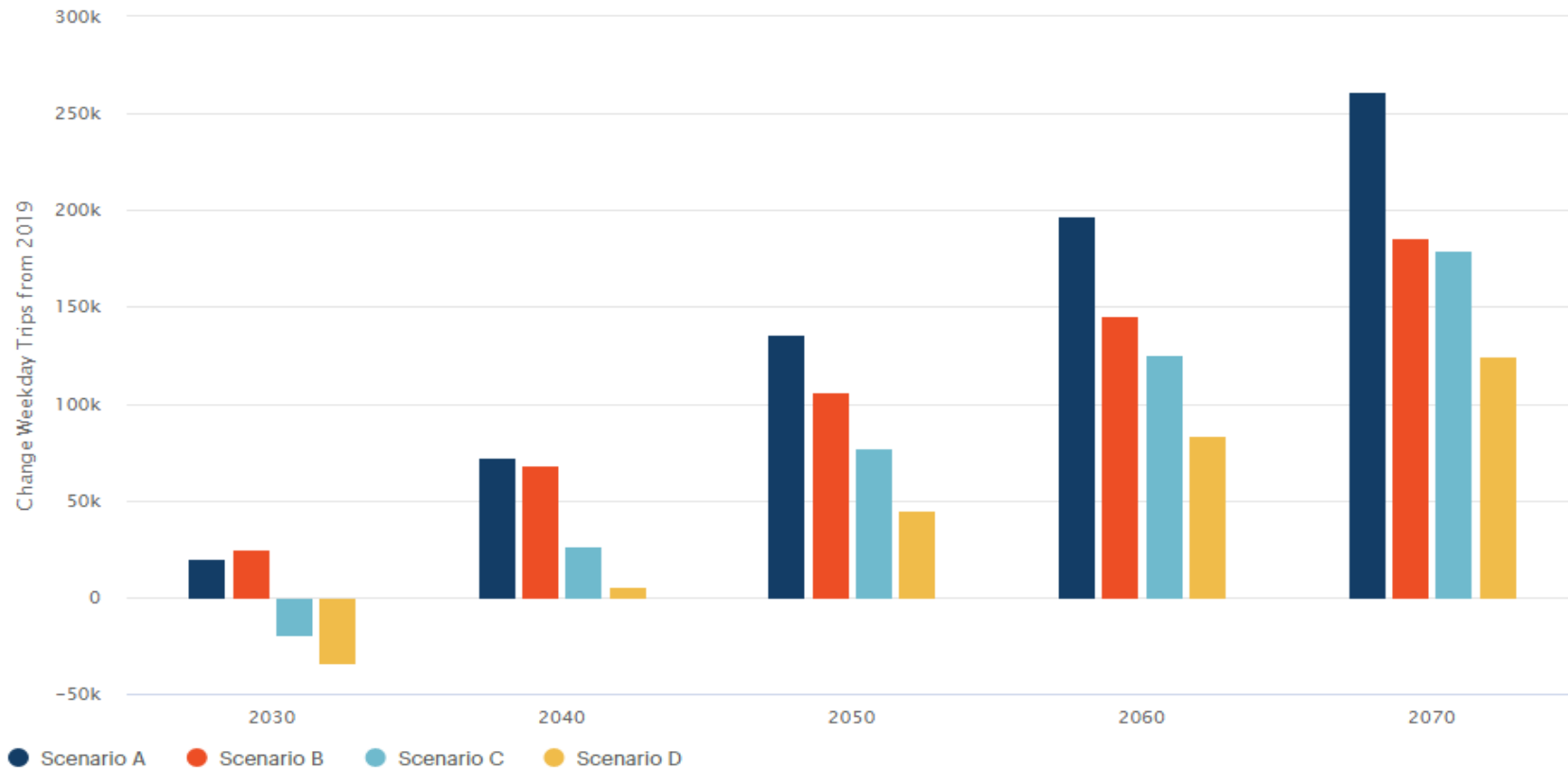
October 2019 - March 2022



ALL Trans-Hudson Trips Exceed 2019 by 2040 in All

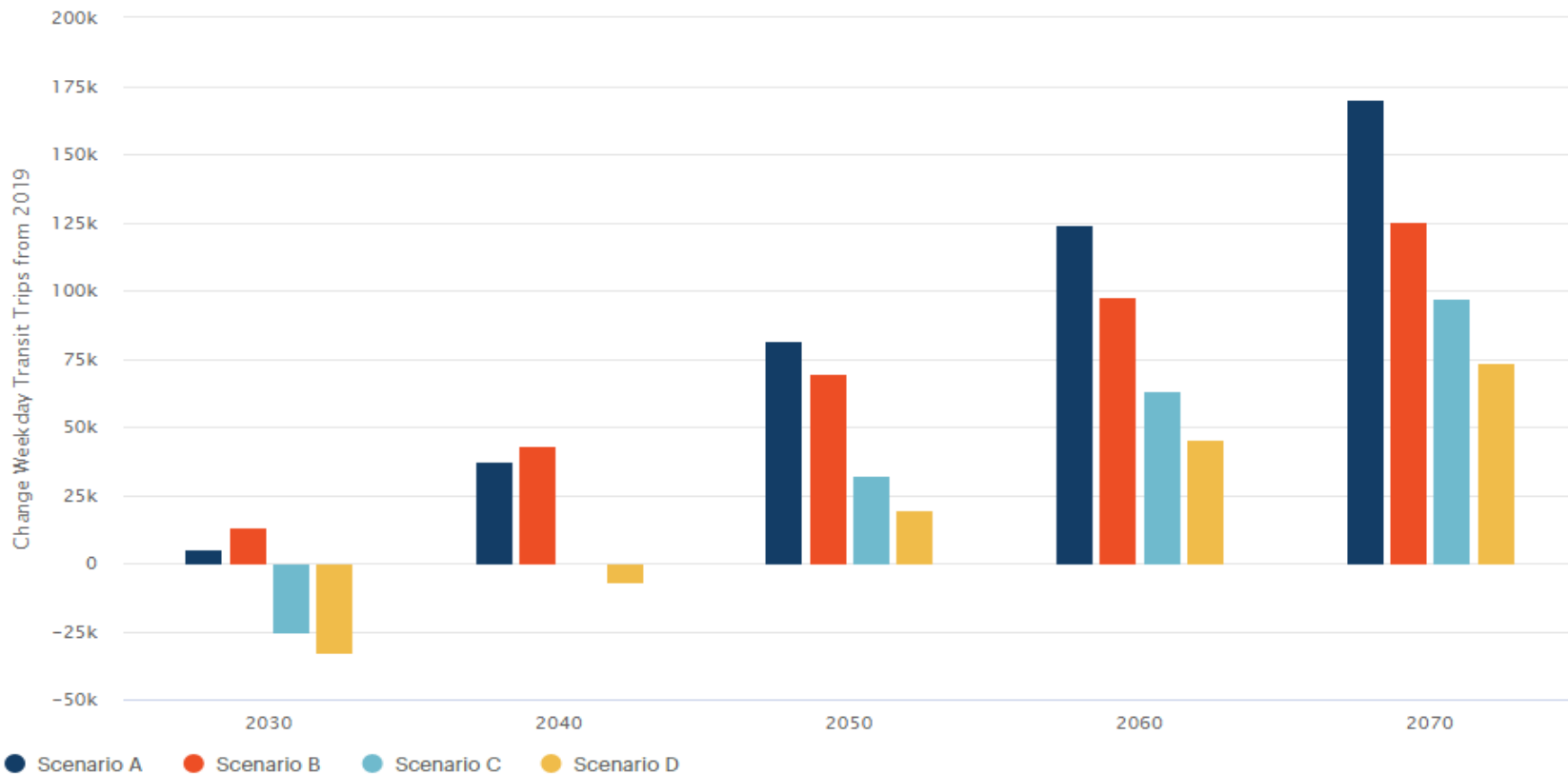
Scenarios

Change in All Trans-Hudson Trips from 2019

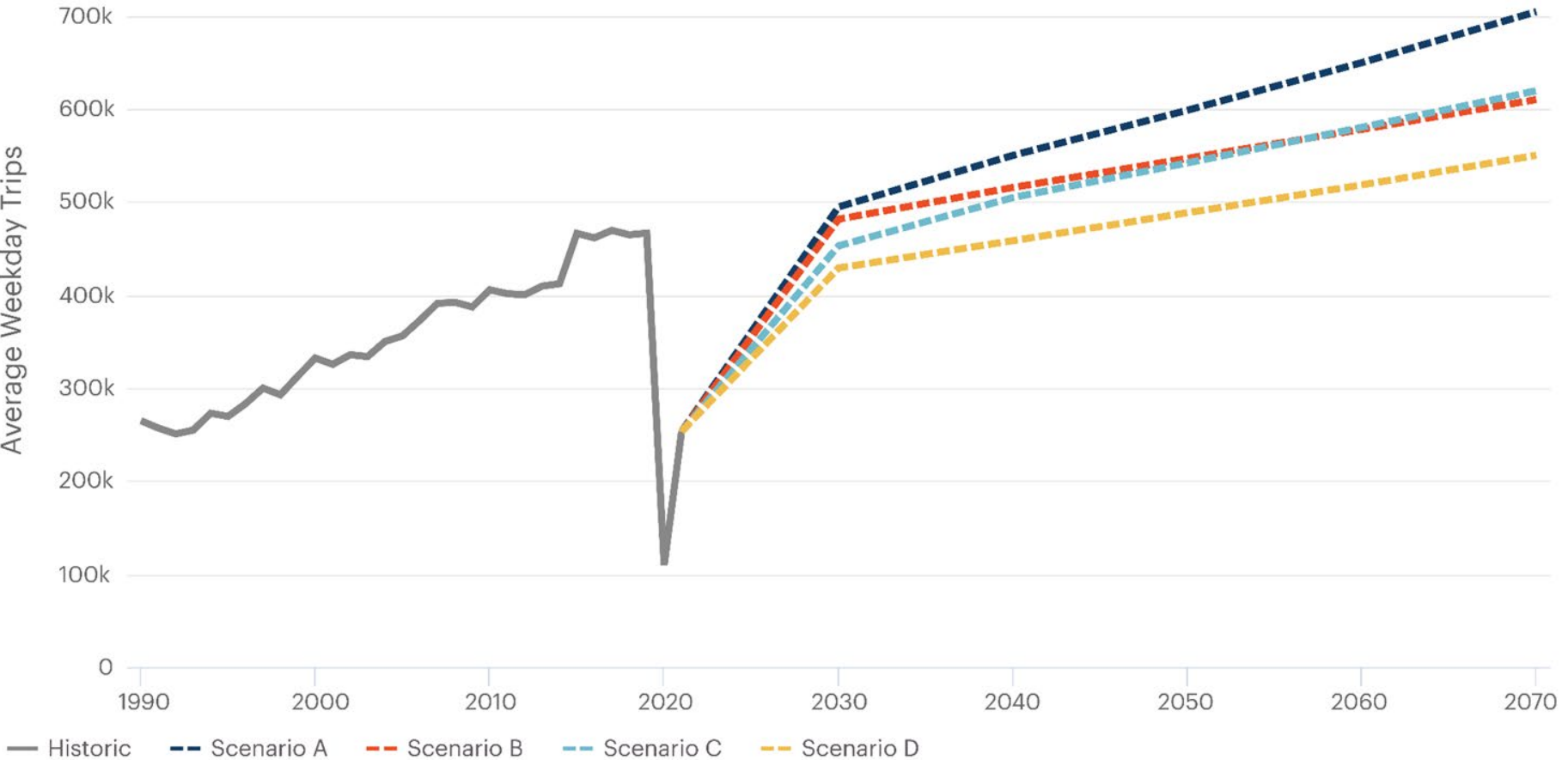


All Trans-Hudson Transit Trips Could Exceed 2019 by 15-32% by 2050 on Peak Weekdays

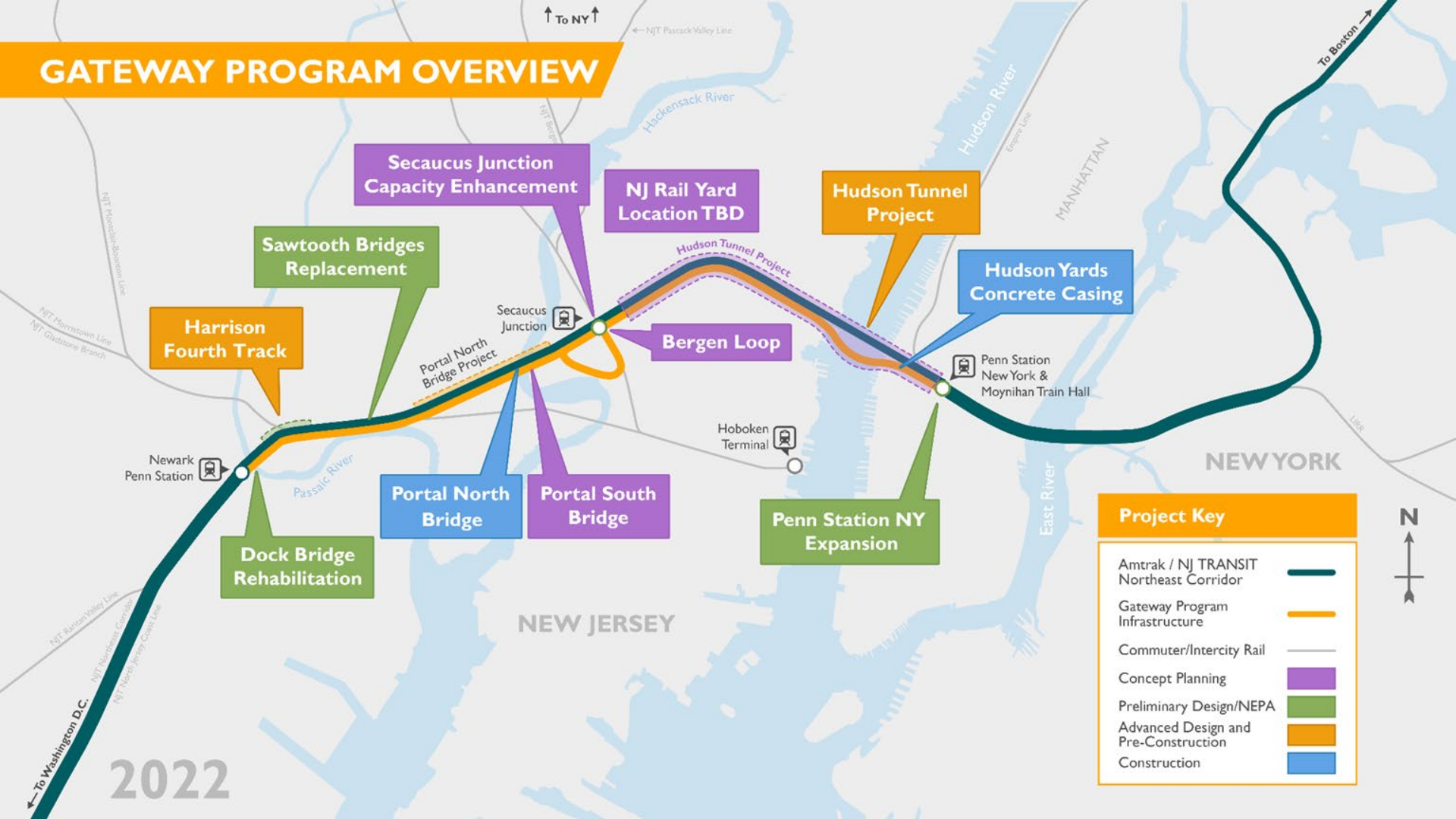
Change in All Trans-Hudson Transit Trips from 2019



Historic and Future Trans-Hudson Ridership



GATEWAY PROGRAM OVERVIEW



Project Key

Amtrak / NJ TRANSIT
Northeast Corridor

Gateway Program
Infrastructure

Commuter/Intercity Rail

Concept Planning

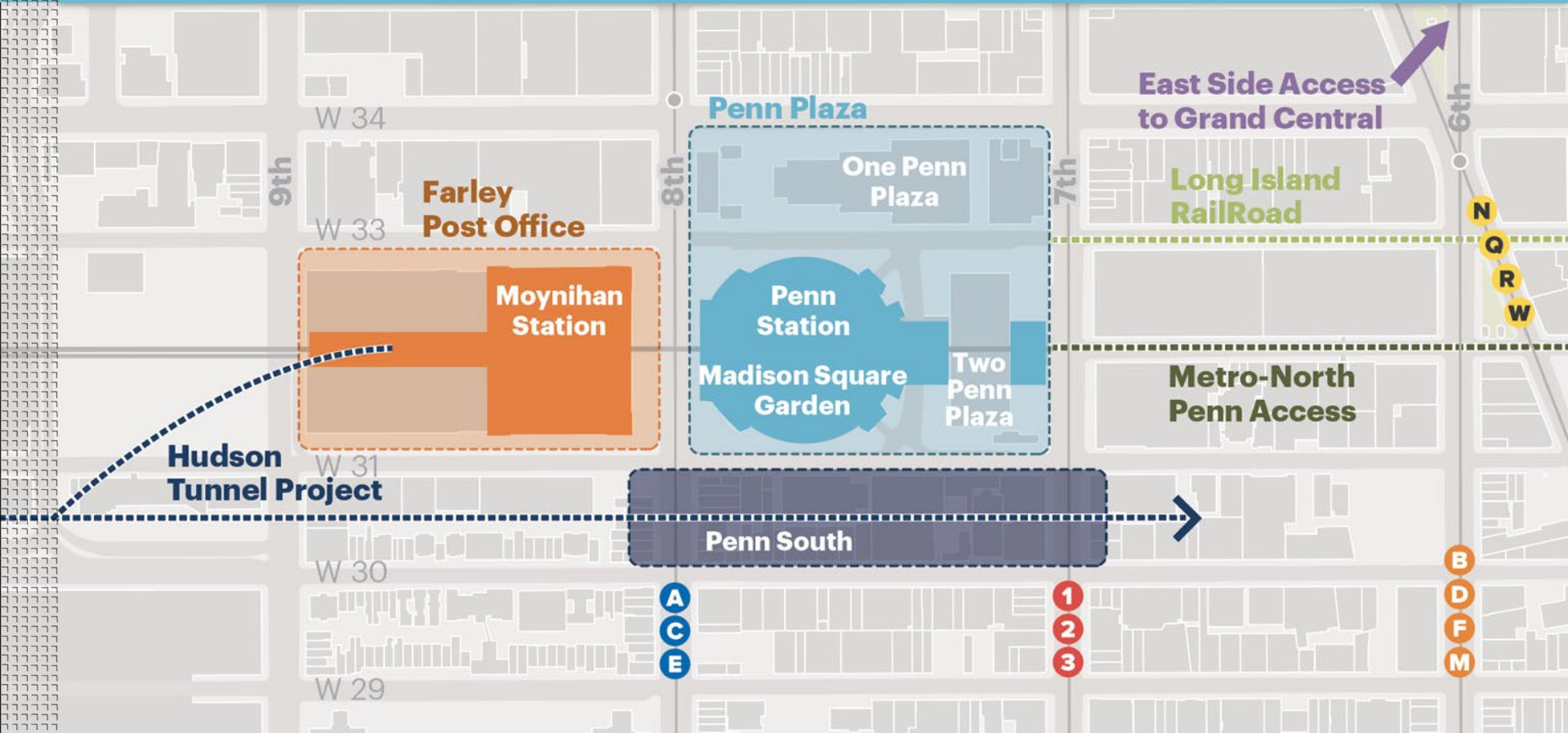
Preliminary Design/NEPA

Advanced Design and
Pre-Construction

Construction

2022

The Penn Station Area

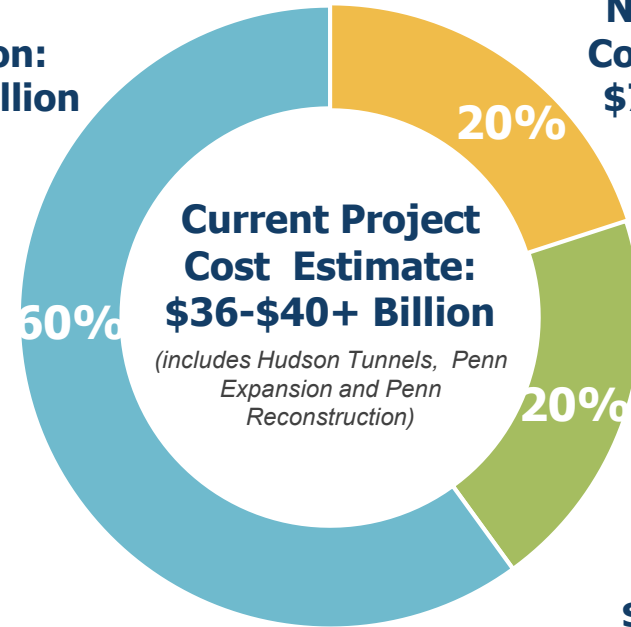


Projected Cost Sharing

Project Cost Estimates

- **\$1.95B:**
Portal North Bridge
- **\$16.1B:**
Hudson Tunnel Project
- **~\$12B:**
Penn Station Expansion
- **~\$7B:**
Penn Station Renovation

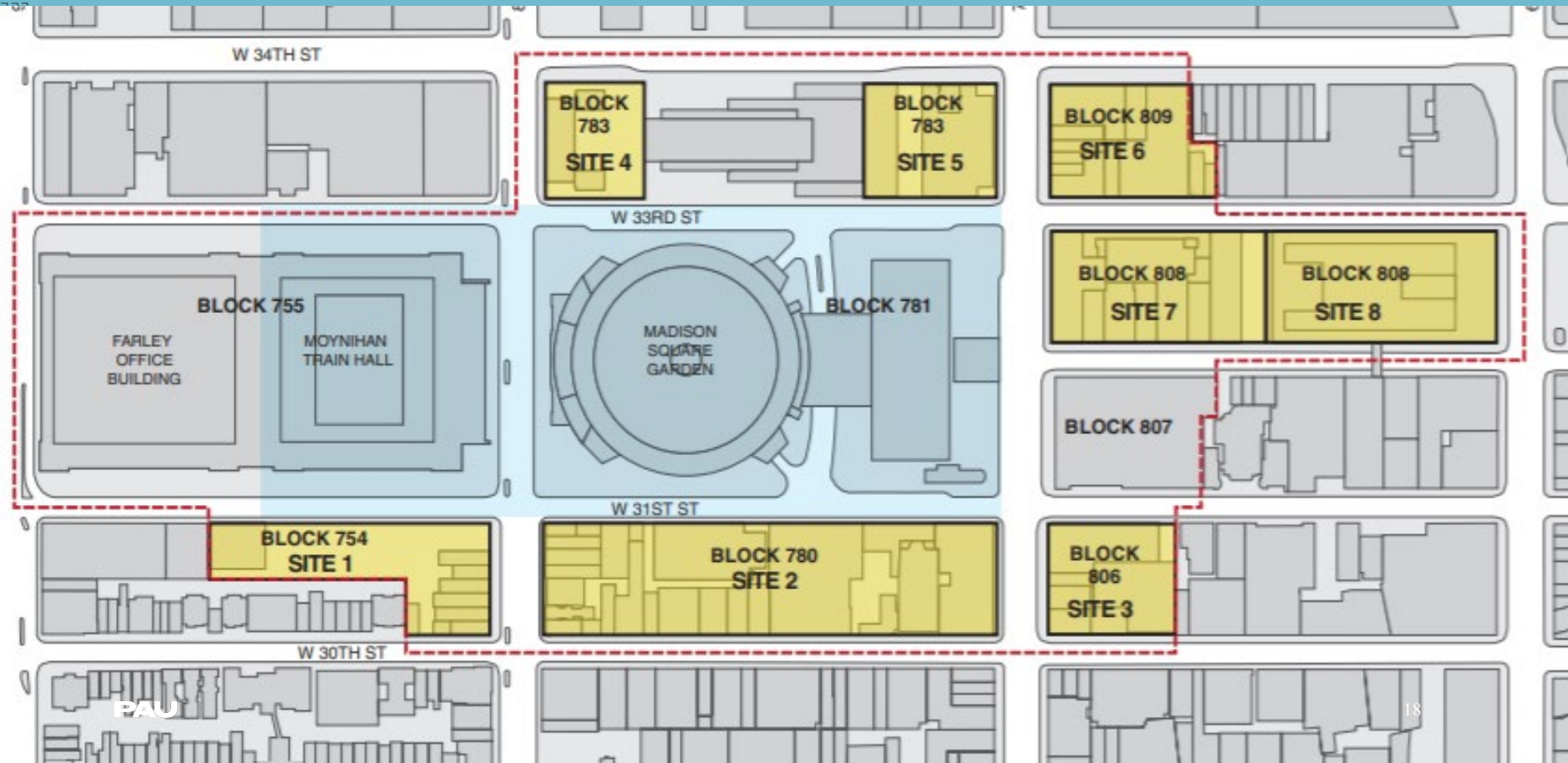
**Anticipated
Federal
Contribution:
\$21-\$24+ Billion**



**Anticipated
New Jersey
Contribution:
\$7-\$8 Billion**

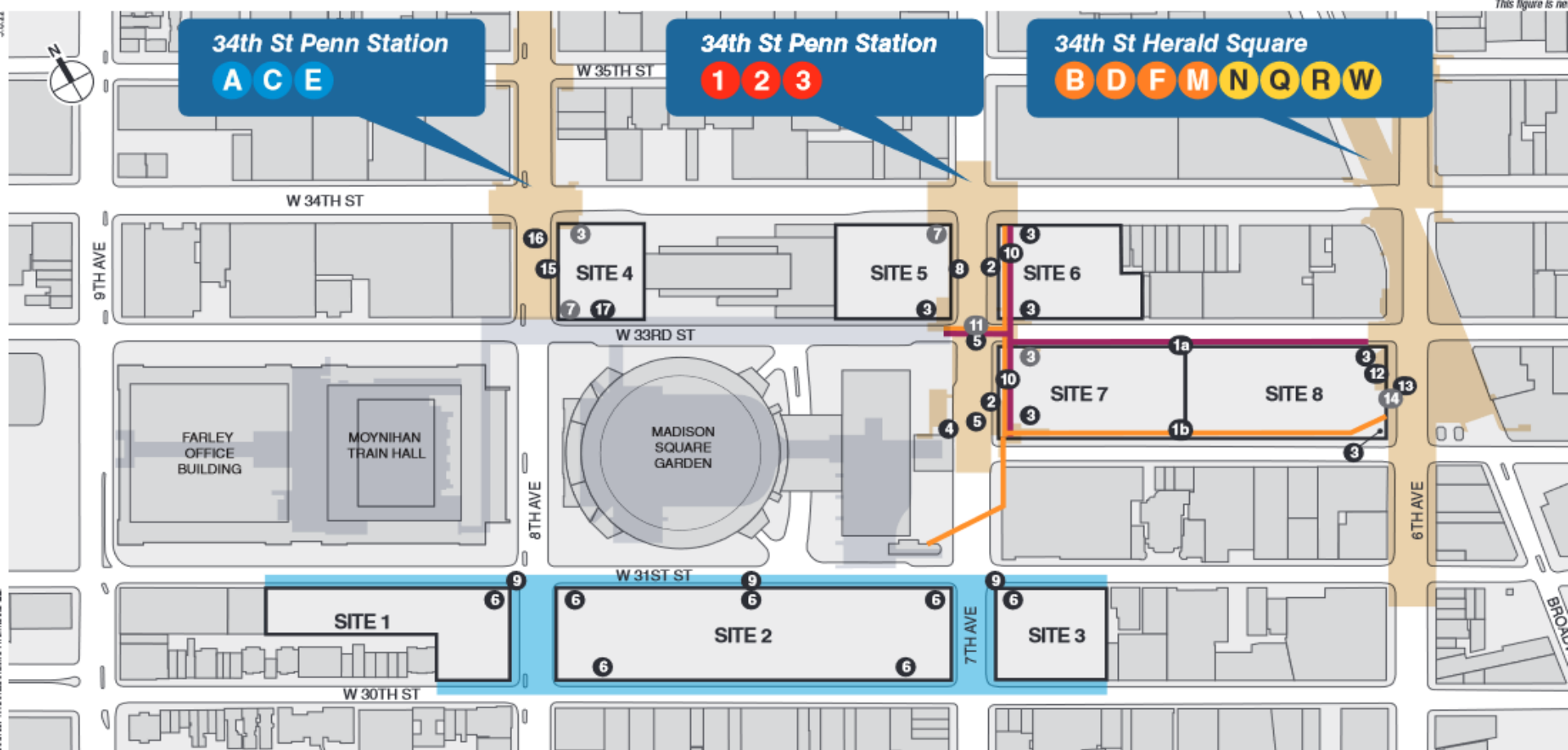
**Anticipated
New York
Contribution
:
\$7-\$8+ Billion**

ESDC Sites



ESDC Massing





-  Development Sites
-  Potential Expansion of Penn Station
-  Penn Station Below-Grade Footprint

-  Transit improvement
-  Transit improvement with elevator

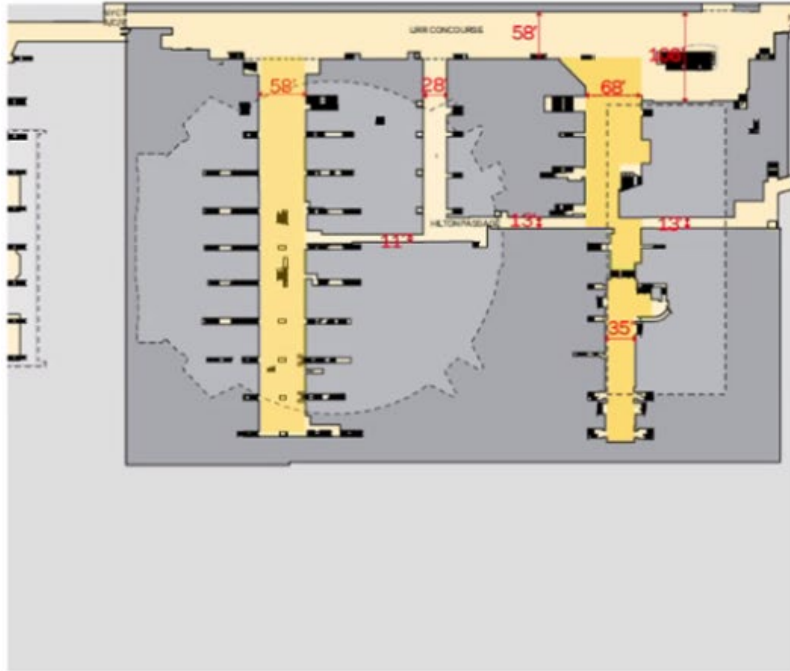
-  Proposed Underground Concourse with East-West Connector along West 33rd Street
-  Proposed Underground Concourse with East-West Connector along West 32nd Street

Notes:

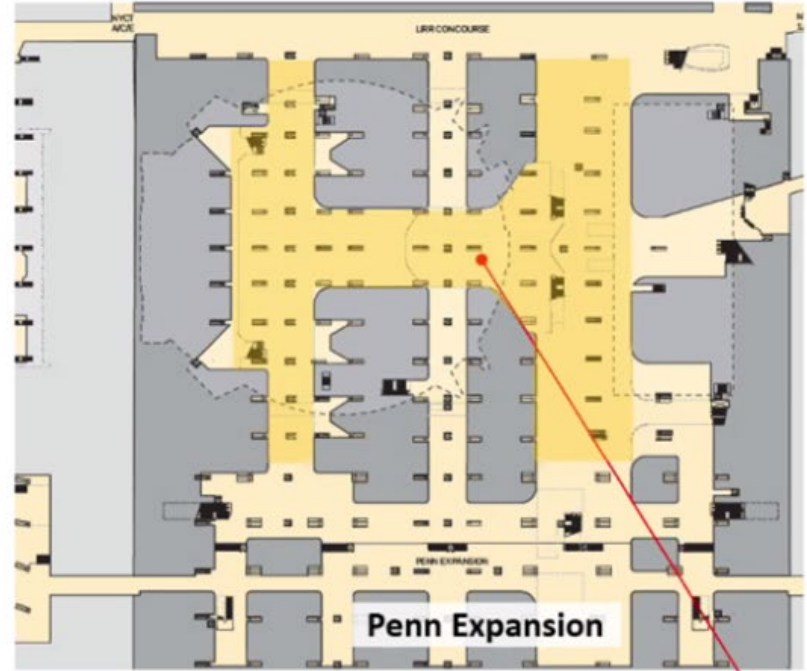
1) One of the two options for the East-West Connector would be selected and implemented.

2) The location of transit improvements shown in this figure is illustrative and may be subject to further design and engineering refinements and, if applicable, to secure any necessary interests needed to construct and implement the project.

Single Level Alternative



Existing



Single Level

2½ football fields

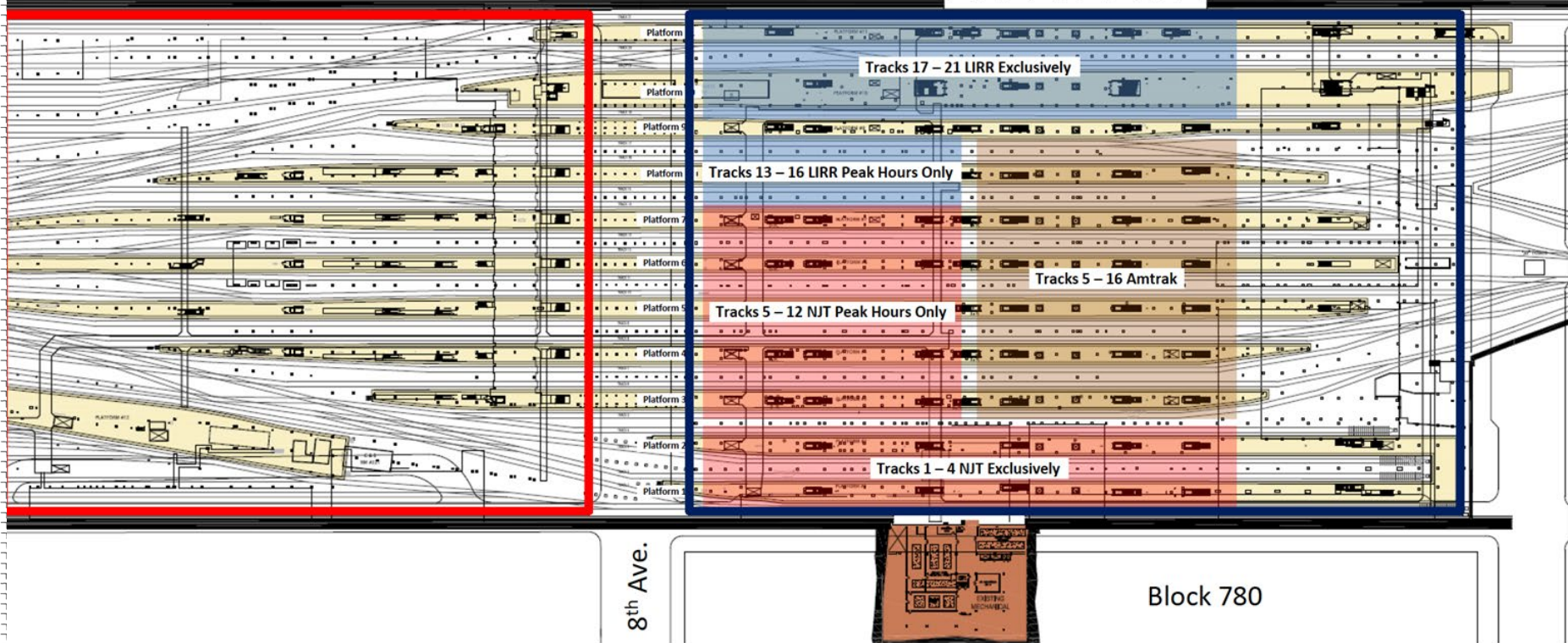
Mid-Block Train Hall



Existing track alignments

Moynihan Train Hall

Penn Station



Track configuration at Penn Station with Hudson Tunnel completed

