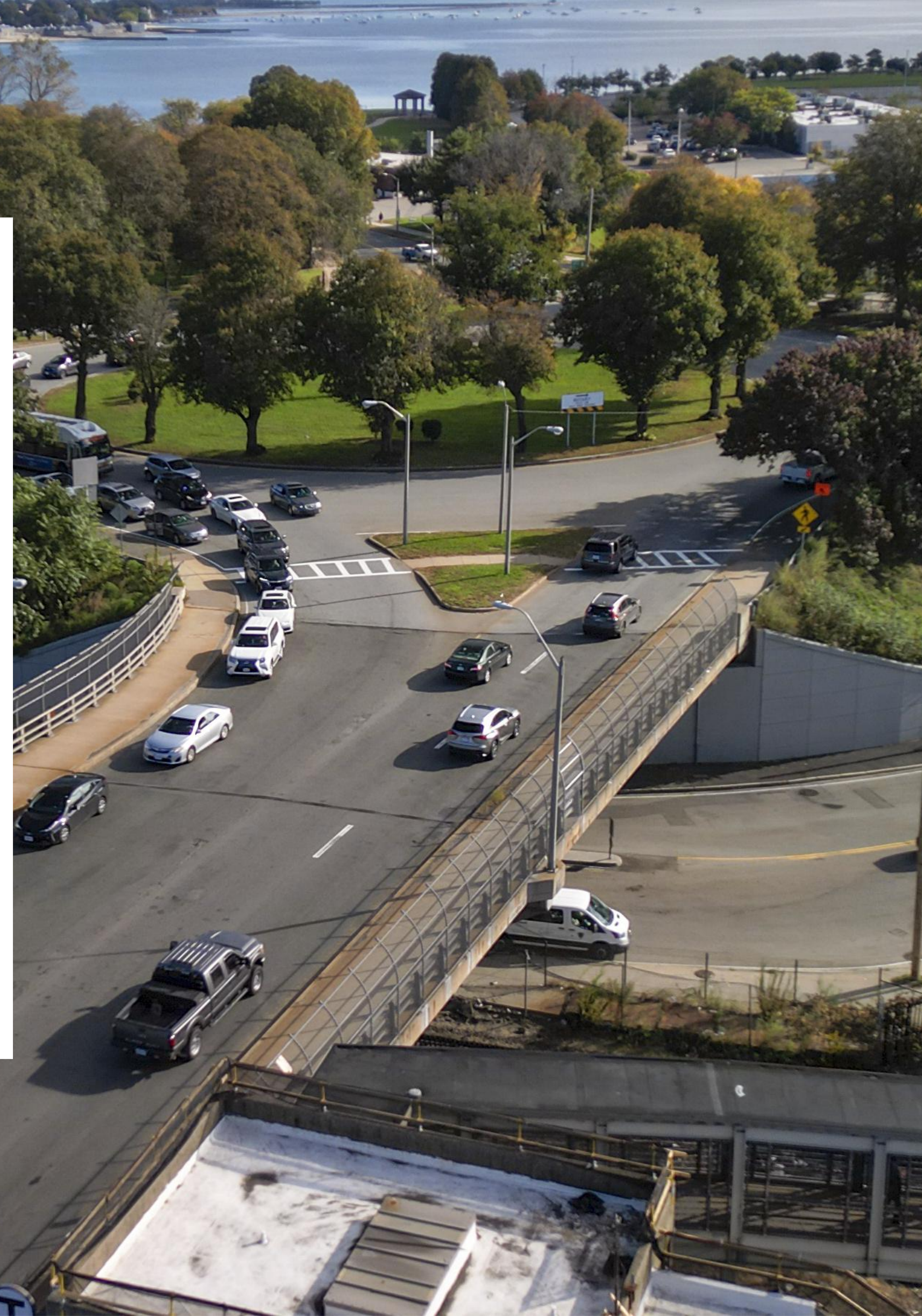




ROADWAY RECONSTRUCTION ON COLUMBIA ROAD AND KOSCIUSZKO CIRCLE AT I-93

Thank you for joining us.

This meeting will begin shortly.



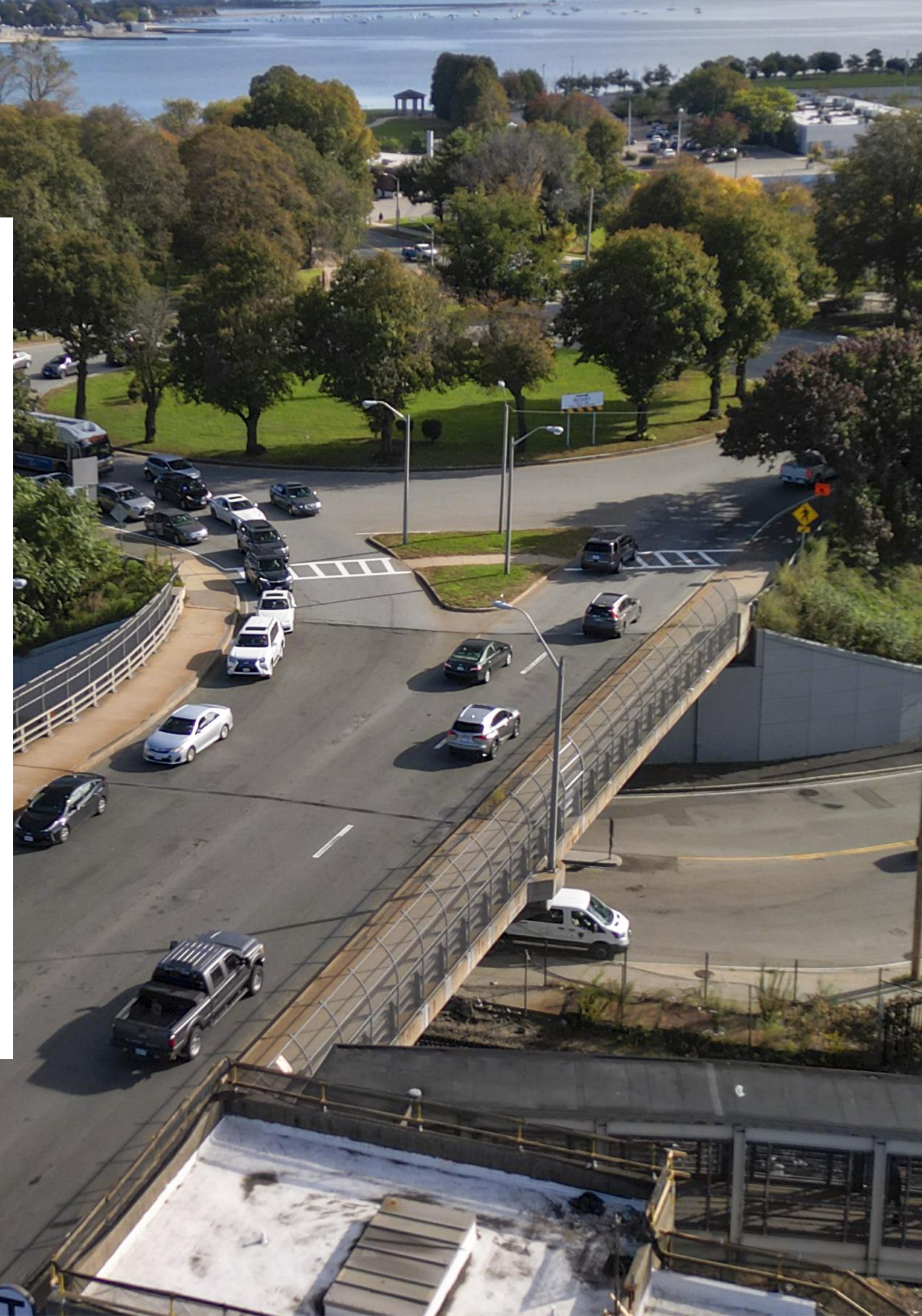


ROADWAY RECONSTRUCTION ON COLUMBIA ROAD AND KOSCIUSZKO CIRCLE AT I-93

Public Information Meeting

Boston | April 3, 2025 | 6:00 PM

MassDOT Project File No. 613555



Public meeting notes and procedures

Notification of video recording

- This public meeting will be recorded. The Massachusetts Department of Transportation may choose to retain and distribute the video, images, audio, and/or chat transcript.
- All parts of this meeting are considered public record.
- By continuing attendance with this public meeting, you are consenting to participate in a recorded event.
- If you are not comfortable being recorded, you may choose to excuse yourself from the meeting.

Important notes

- The meeting will be open to questions and answers at the end of the formal presentation.

All questions and comments are welcome and appreciated, however we do request that you refrain from any disrespectful comments.

Notice of MassDOT's policy on diversity and civil rights

- All MassDOT activities, including public meetings, are free of discrimination.
- MassDOT complies with all federal and state civil rights requirements preventing discrimination based on sex, race, color, ancestry, national origin (limited English proficiency), religion, creed, gender, sexual orientation, gender identity or expression, or veteran's status.
- We welcome the diversity from across our entire service area. If you have any questions or concerns, please visit <https://www.mass.gov/nondiscrimination-in-transportation-program> to reach the Office of Diversity and Civil Rights.

Thank you for joining our meeting. We appreciate your participation!

Agenda

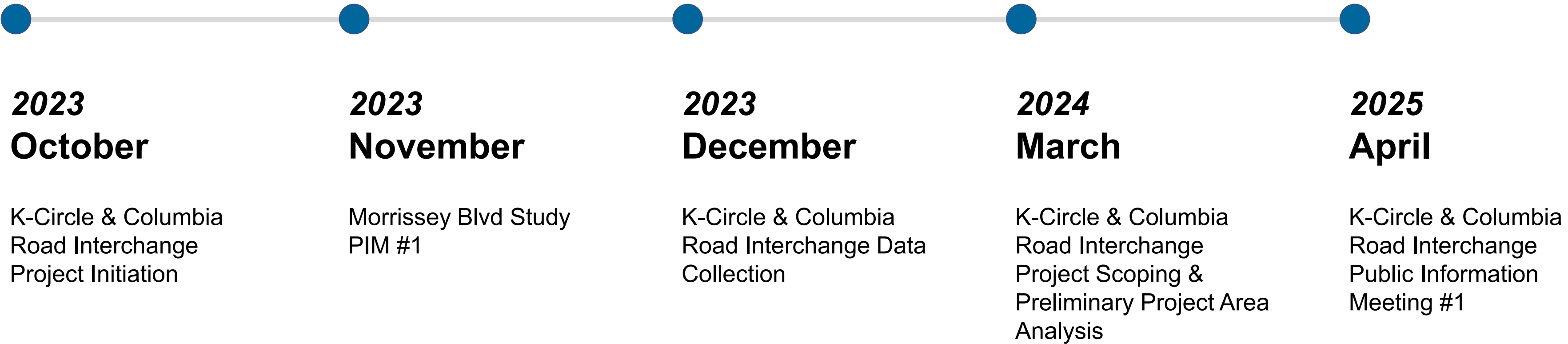
- 01 Welcome
- 02 Project Background
- 03 Purpose and Need
- 04 Traffic and Safety
- 05 Intersection Type Education
- 06 Alternative Options
- 07 Next Steps
- 08 Discussion



Presentation Participants

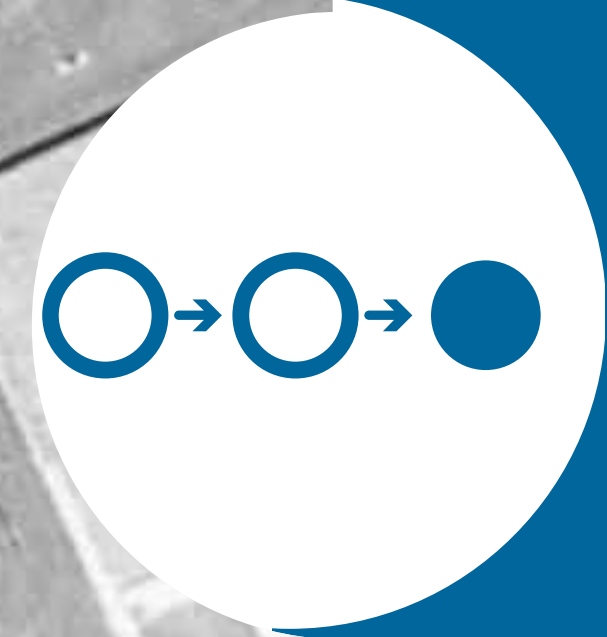
- **MassDOT Project Manager**
 - Joseph Breen, P.E.
- **MassDOT District 6 Transportation Planner**
 - Ben Muller
- **Howard Stein Hudson, Design Consultant**
 - Matthew Jasmin, P.E., PTOE
- **Howard Stein Hudson, Traffic Lead**
 - Mike Pompili
- **Howard Stein Hudson, Community Engagement Lead**
 - Erin Reed

How did we get here?





1952

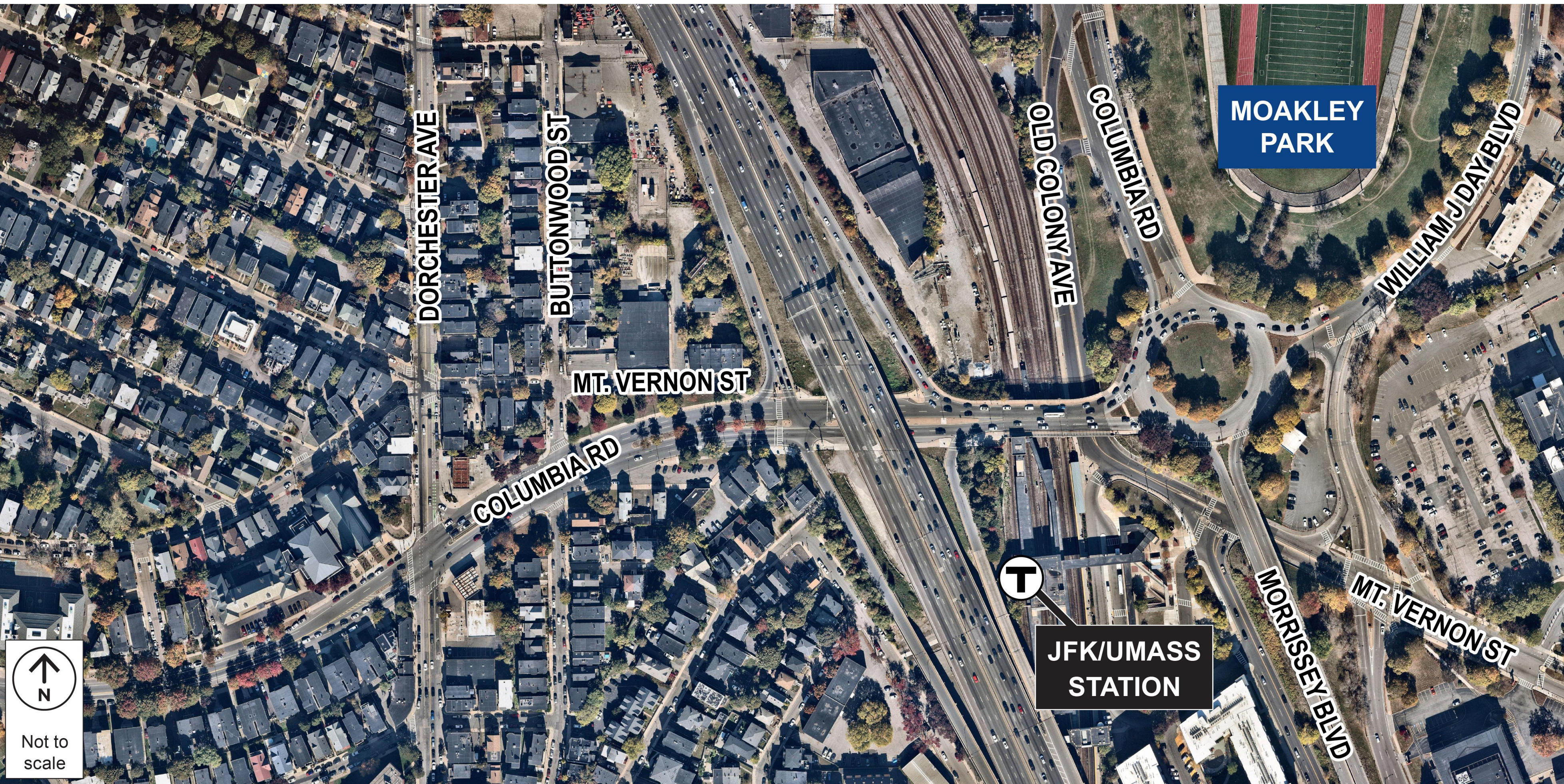


Site History

Project Location – 1980's

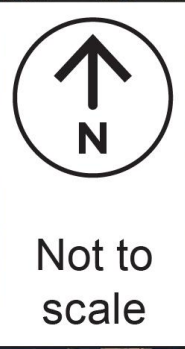


Project Location - Today



MOAKLEY
PARK

JFK/UMASS
STATION

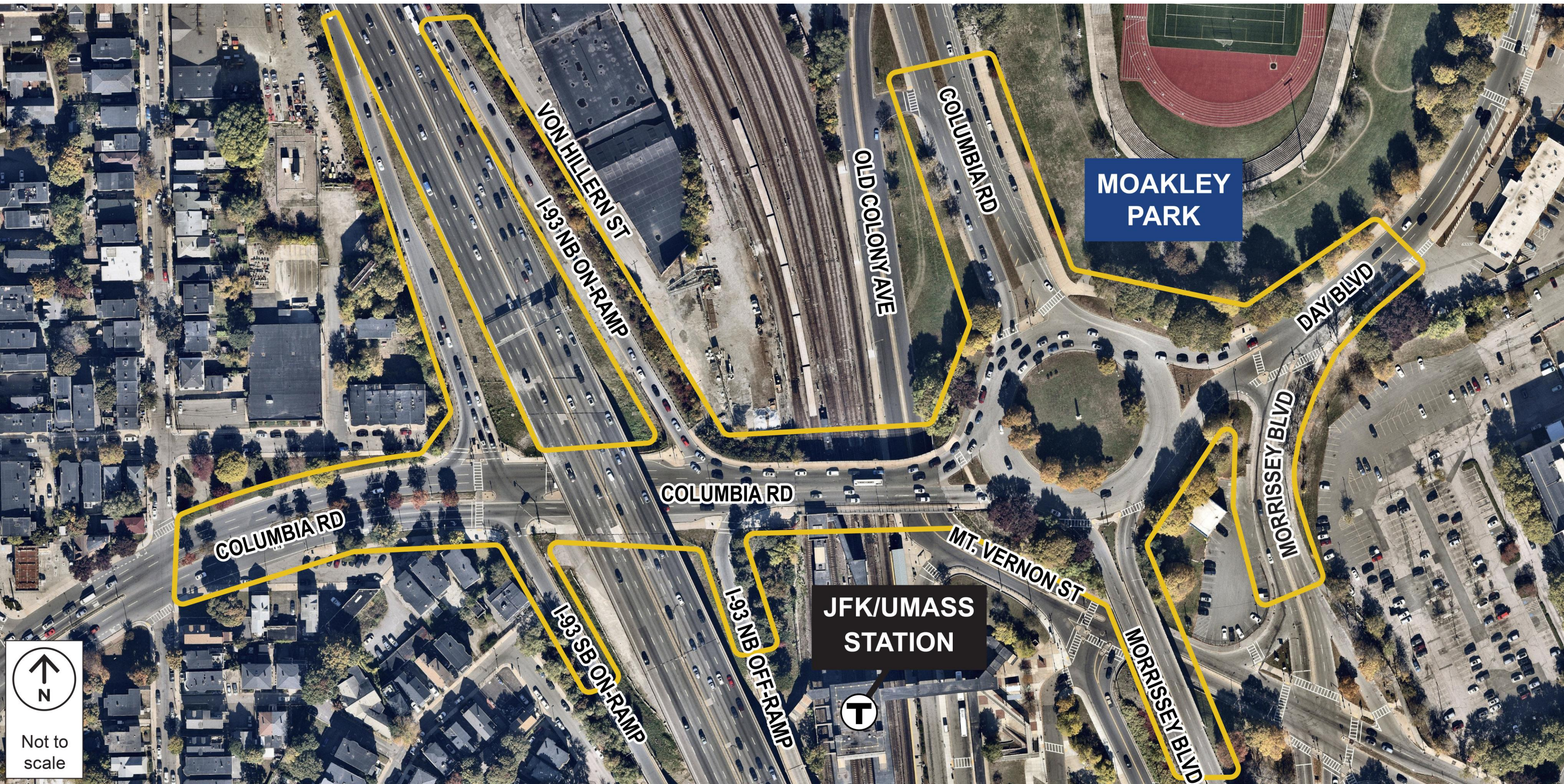


KOSCIUSZKO CIRCLE



**Why was this
project
initiated?**

Project Limits



Site Conditions

- Safety - High Crash Locations
- Barriers to multimodal mobility and access
- Deficient & Obsolete Structures
- Congestion & Frustration
- Integrated & cohesive multimodal transportation network improvements needed
- Existing and projected future congestion
- Projected adjacent land use changes

Existing K-Circle



JFK/UMASS
STATION



COLUMBIA RD

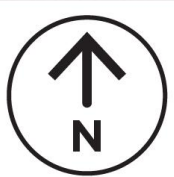
MORRISSEY BLVD

WILLIAM J
DAY BLVD

COLUMBIA RD

COLUMBIA RD

MOAKLEY
PARK



Not to
scale

Existing Columbia Road Bridge



T JFK/UMASS STATION

I-93 NB OFF-RAMP

COLUMBIA RD

I-93 NB ON-RAMP

OLD COLONY AVE

z →
Not to scale

I-93 SB Ramp Intersection



MOAKLEY
PARK

JFK/UMASS
STATION



I-93 SB OFF-RAMP

COLUMBIA RD

I-93 SB ON-RAMP



**MOAKLEY
PARK**

**OLD
COLONY AVE**

COLUMBIA RD

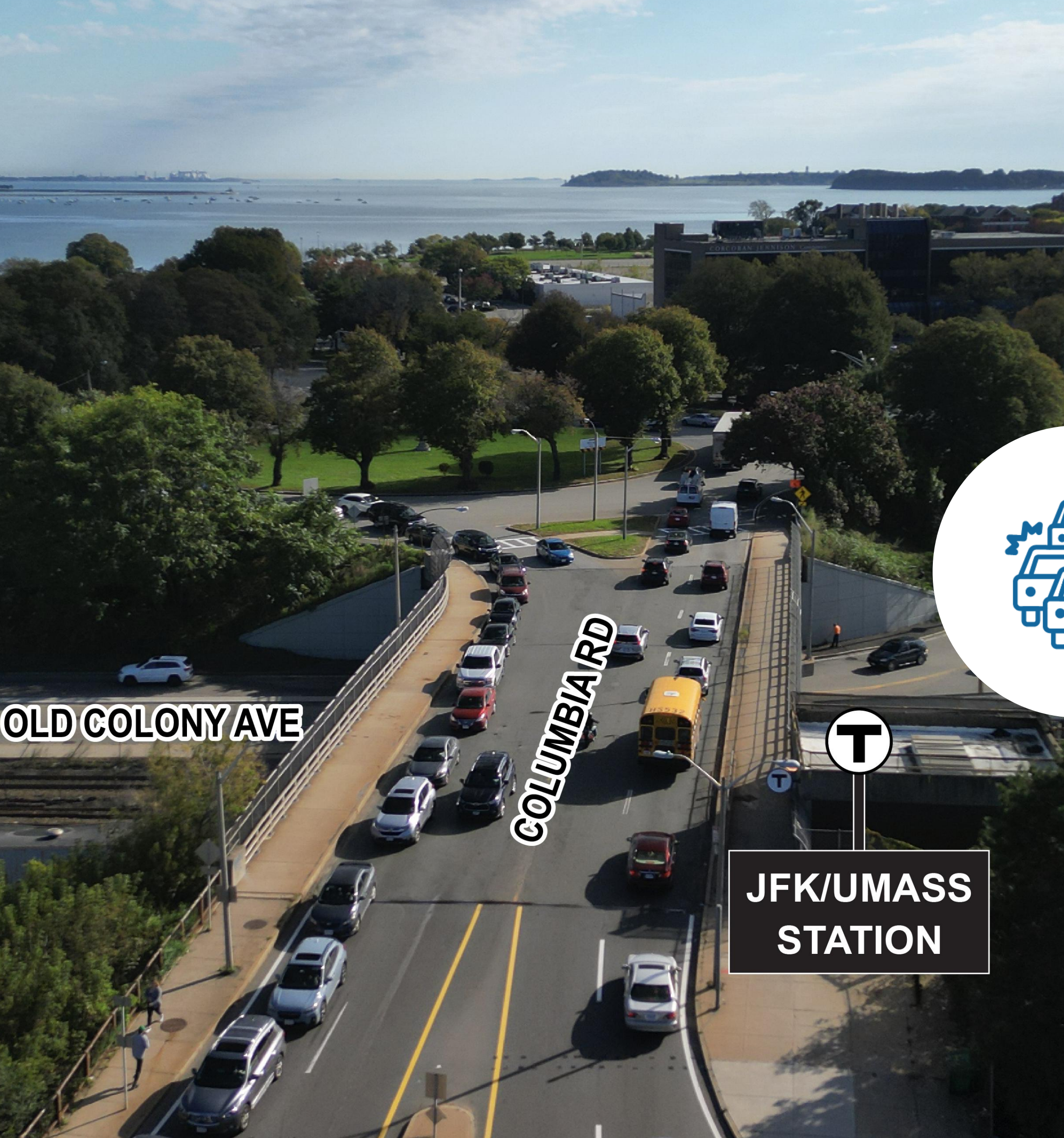
**JFK/UMASS
STATION**



**What do we
want to
accomplish?**

Project Objectives

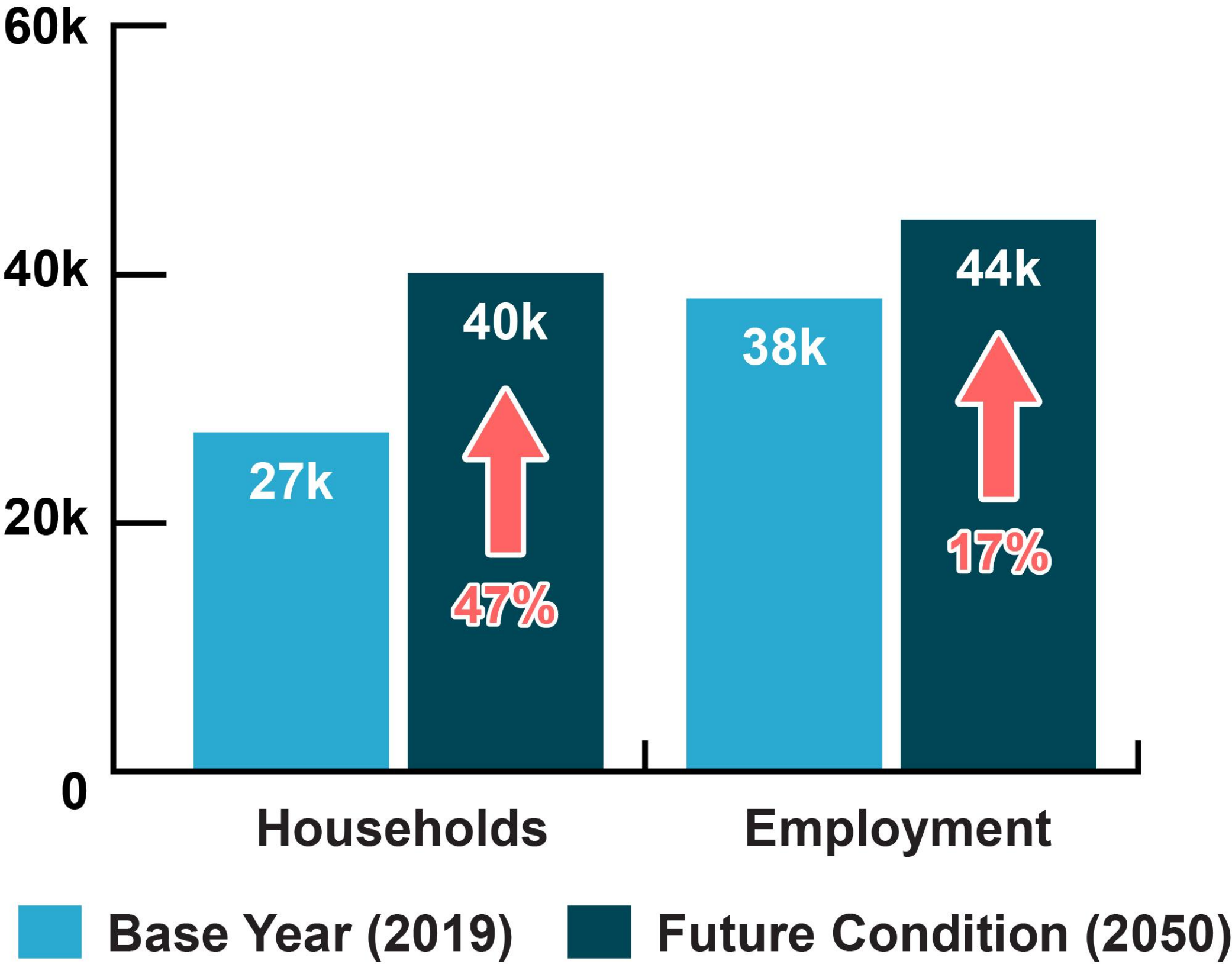
- Improve safety for all users/modes (Drivers, walkers, cyclists, transit/rail users)
- Modernize multimodal connections in the neighborhood (People walking & biking)
- Support East-West Connectivity for all modes
- Mitigate congestion
- Accommodate projected area growth
- Rehabilitate the Columbia Road Bridge over MBTA Rail
- Coordinate with MBTA development & transit improvements
- Provide opportunities to enhance public realm (lighting, landscape, surface treatments, public art)



Traffic and Safety

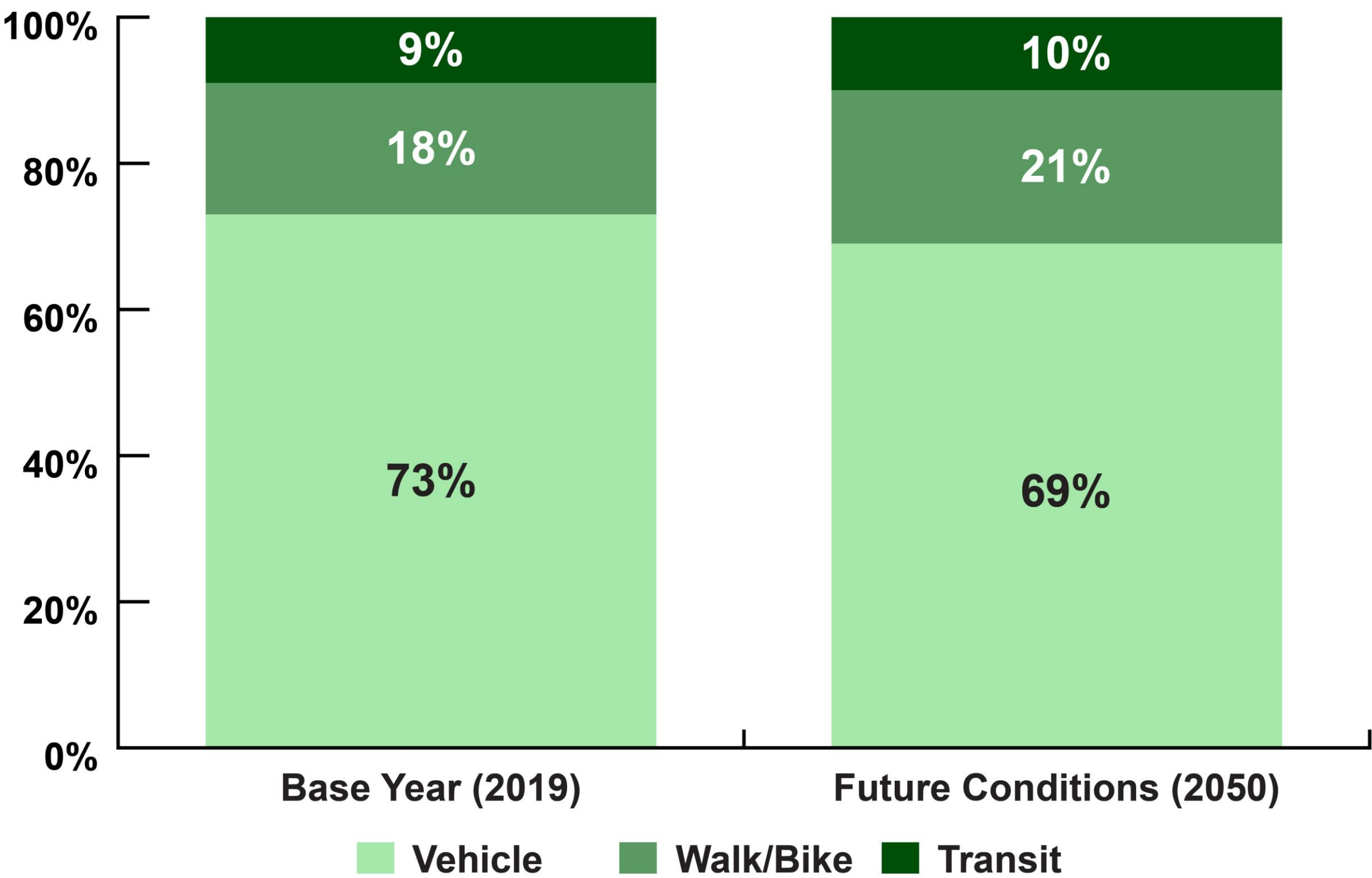
Future Traffic Volume Projection (Forecast Year 2050)

- **Study accounts for future development**
- Household and employment projections developed through Morrissey Boulevard Corridor planning process
- 13,000 additional households and 6,000 additional jobs in and around the study area in the year 2050

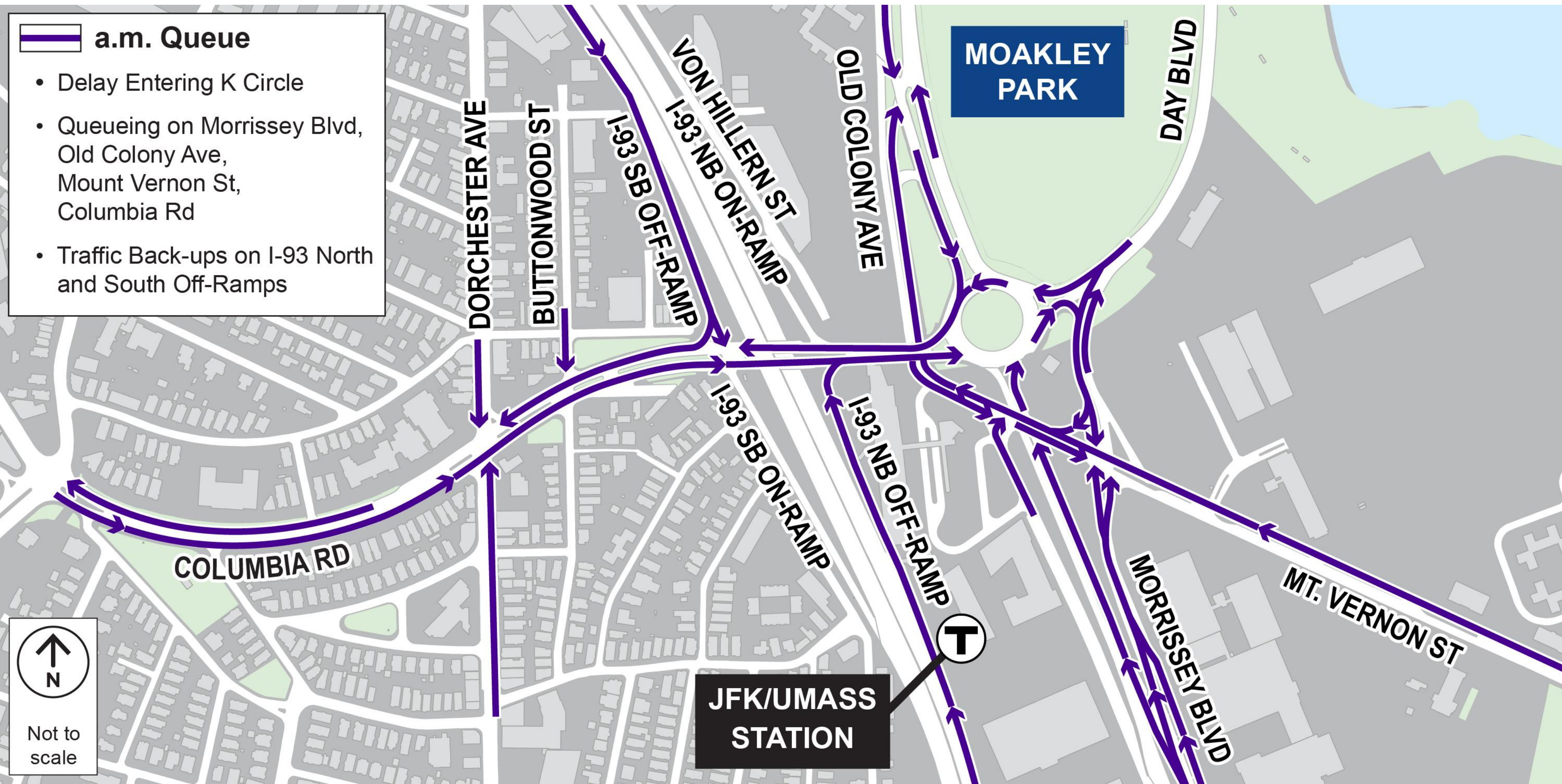


Future Travel Mode Projection (Forecast Year 2050)

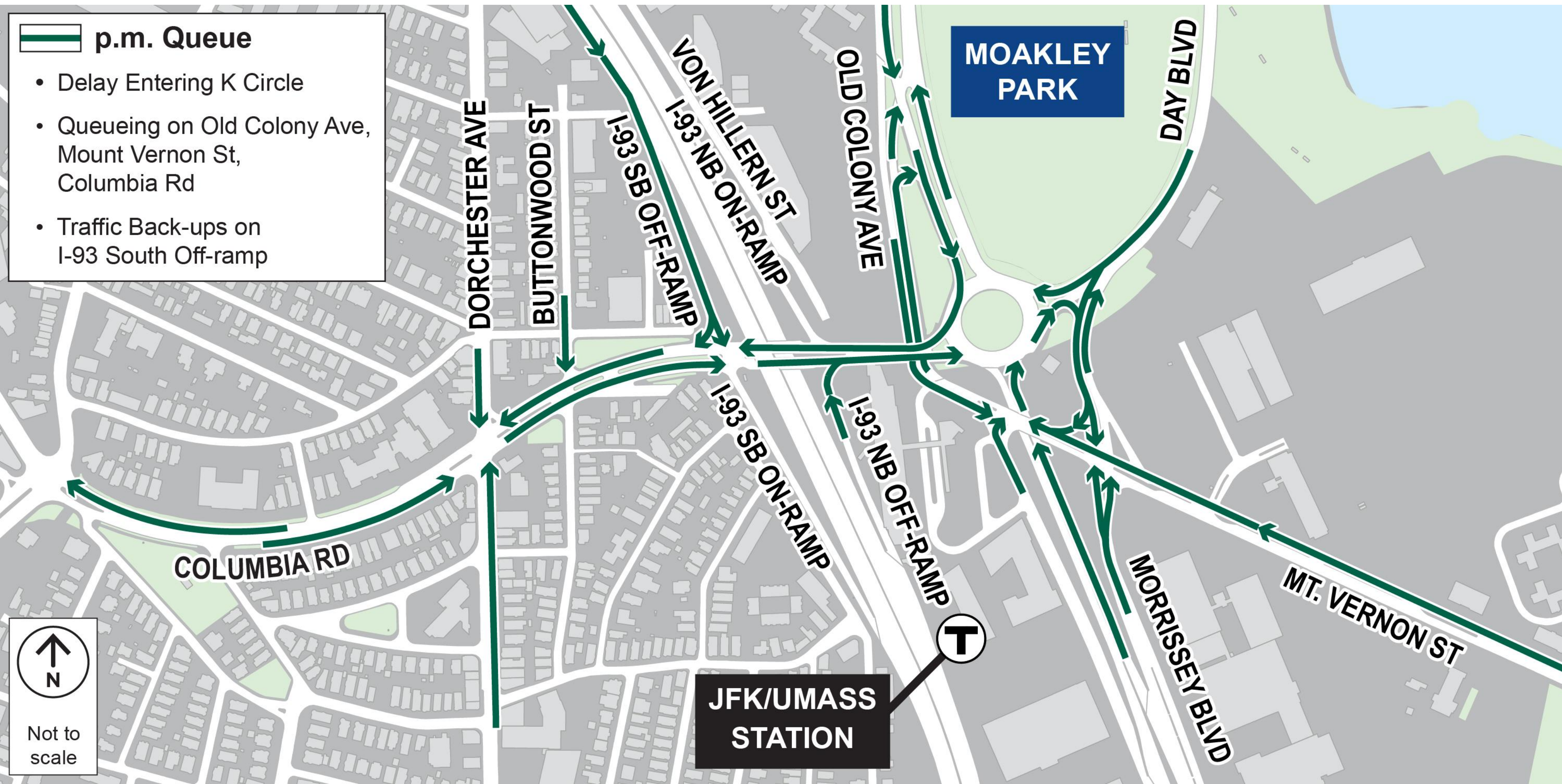
- Anticipated increase in walking, biking, and transit trips in the year 2050



Future Traffic Operations – Weekday a.m. Peak (No Improvements)

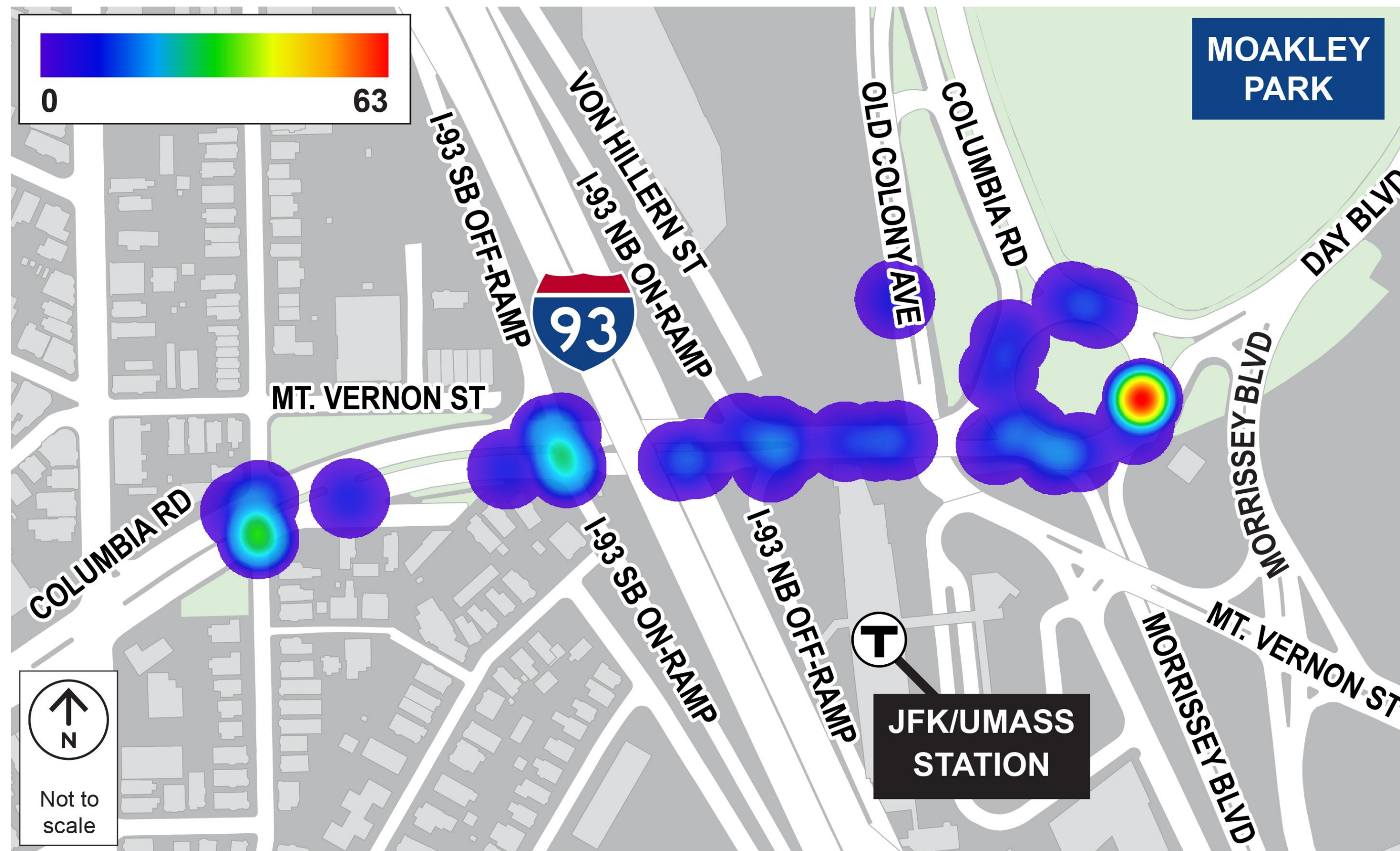


Future Traffic Operations – Weekday p.m. Peak (No Improvements)



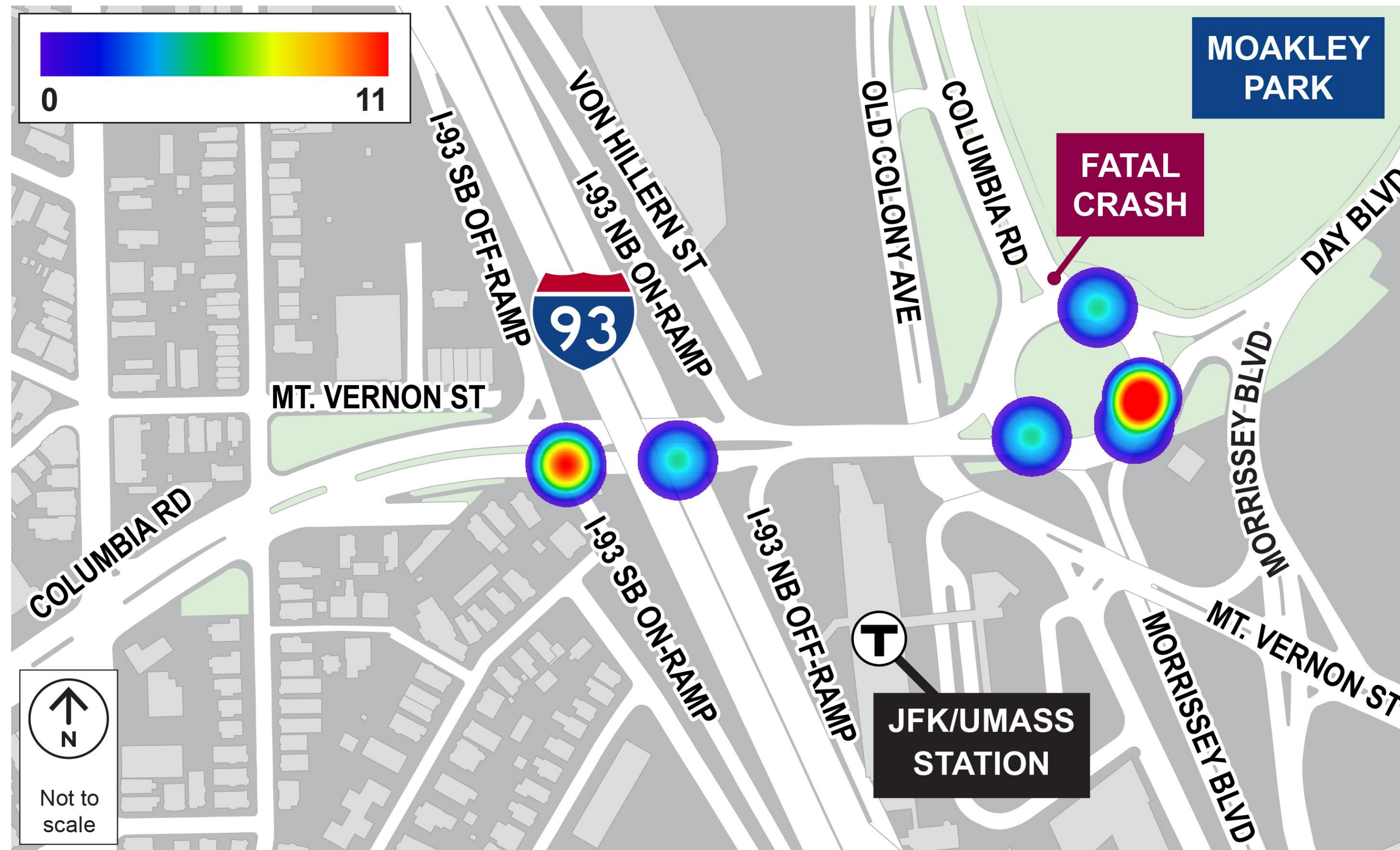
Traffic Safety – All Crashes, 2017-2021

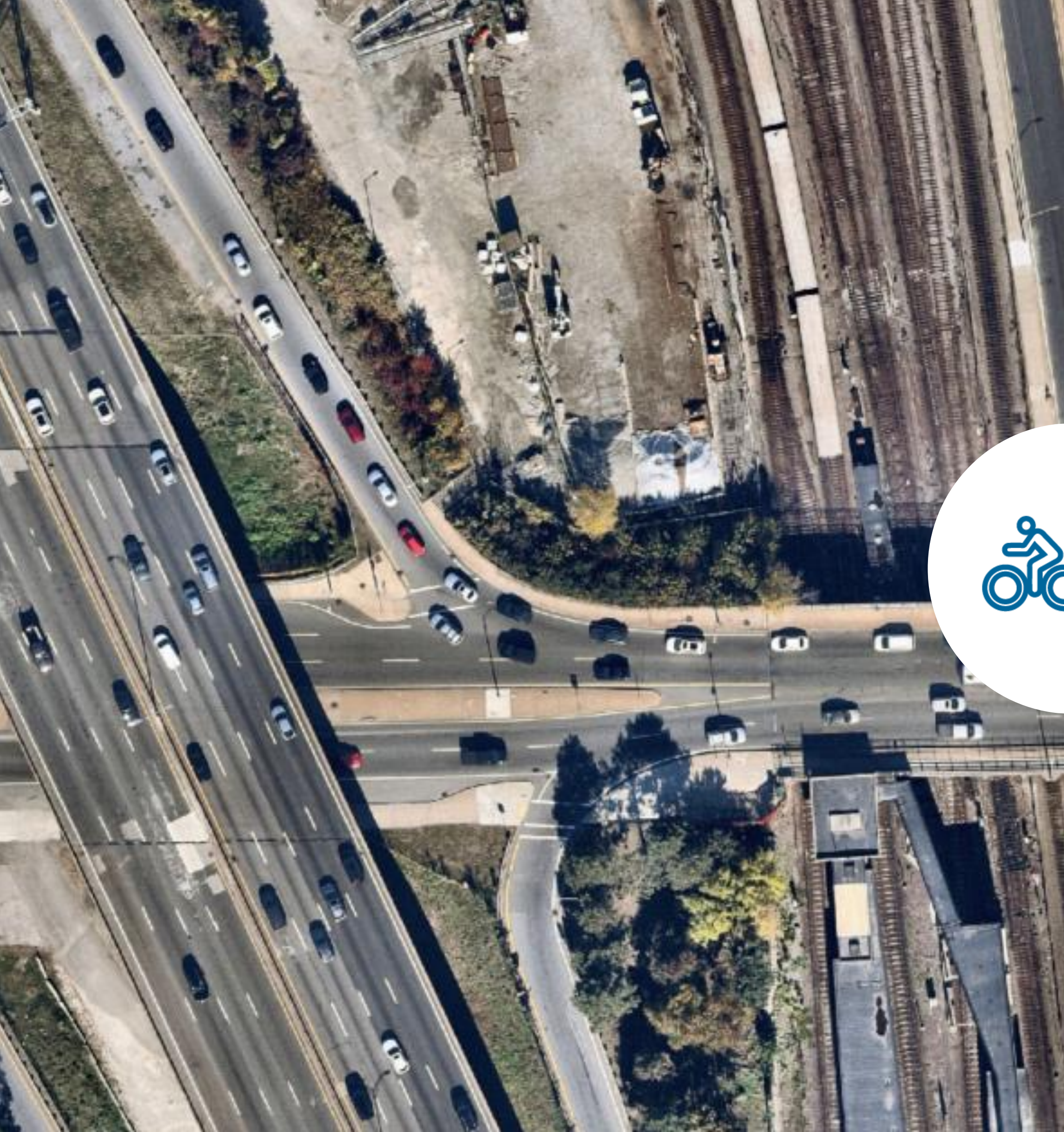
- 299 Crashes
- 32% Angle Crashes
- 26% Sideswipe Crashes
- 22% Rear End Crashes
- 57 Resulting in Injury
- 1 Fatality (Pedestrian)



Traffic Safety - Pedestrians and Bicyclists

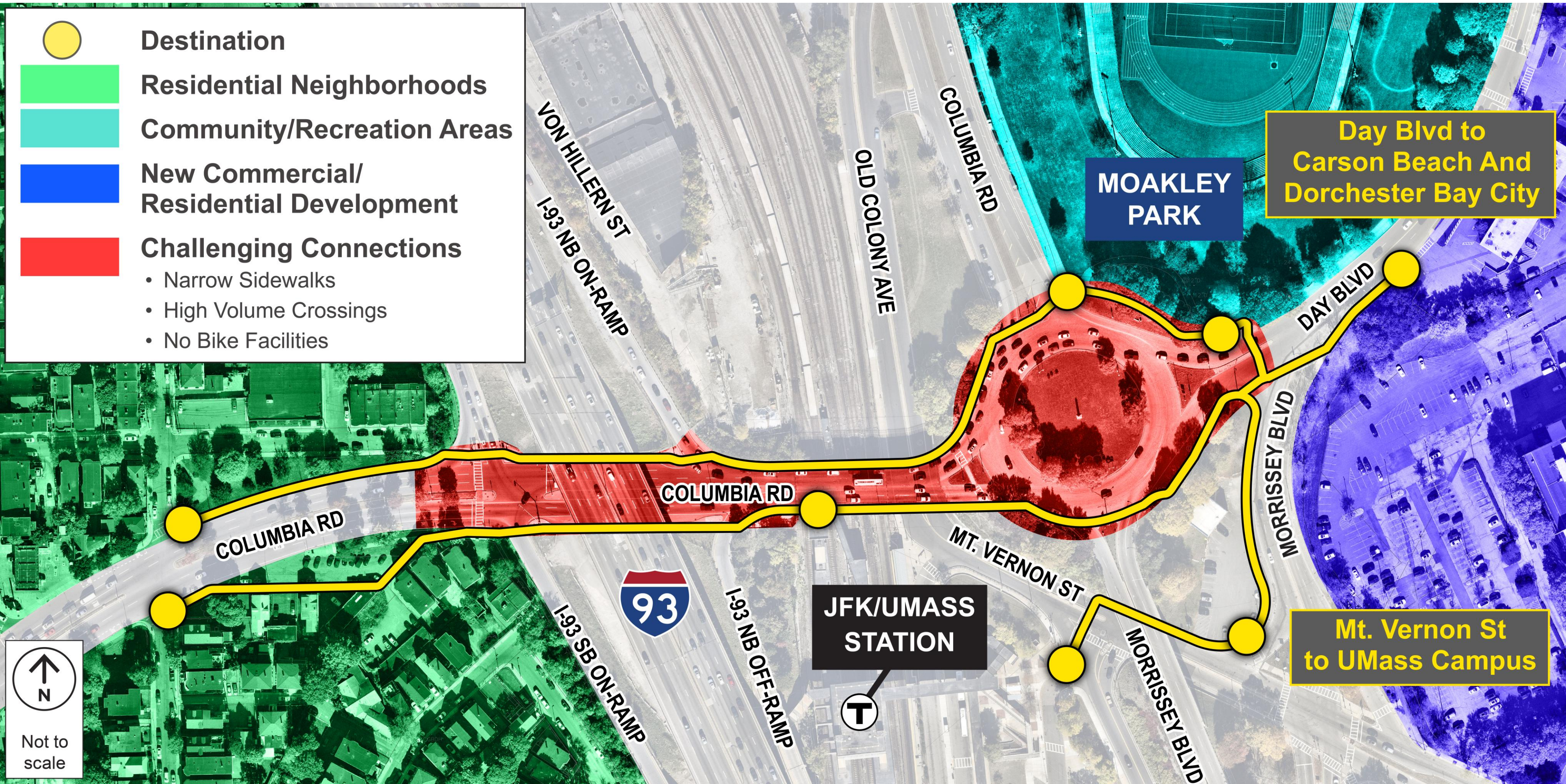
- 10 Pedestrian Crashes
 - 1 at Buttonwood St
 - 3 at Southbound Ramps
 - 6 at Kosciuszko Circle
- 6 Bicycle Crashes
 - 2 at Southbound Ramps
 - 3 at Kosciuszko Circle
- 12 resulting in injury
- 1 fatality – Pedestrian on Columbia Rd north of Kosciuszko Circle





**East – West
Connectivity**

Pedestrian Origin / Destination Existing Condition





**How can
cyclists and
pedestrians be
accommodated?**

High Quality Multimodal Examples

Shared Use Paths

- Low Stress paths for all users

Separated Bike Lane

- Horizontal and Vertical Offset from vehicular travel



Shared Use Path

Arborway, Jamaica Plain, MA



Separated Bike Lane Cambridge, MA



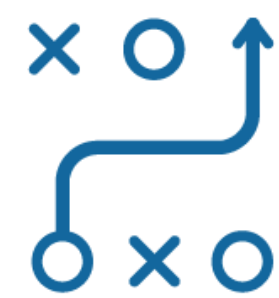
Separated Bi-Directional Bike Lane

Morton St, Jamaica Plain, MA



High Quality Multimodal Access

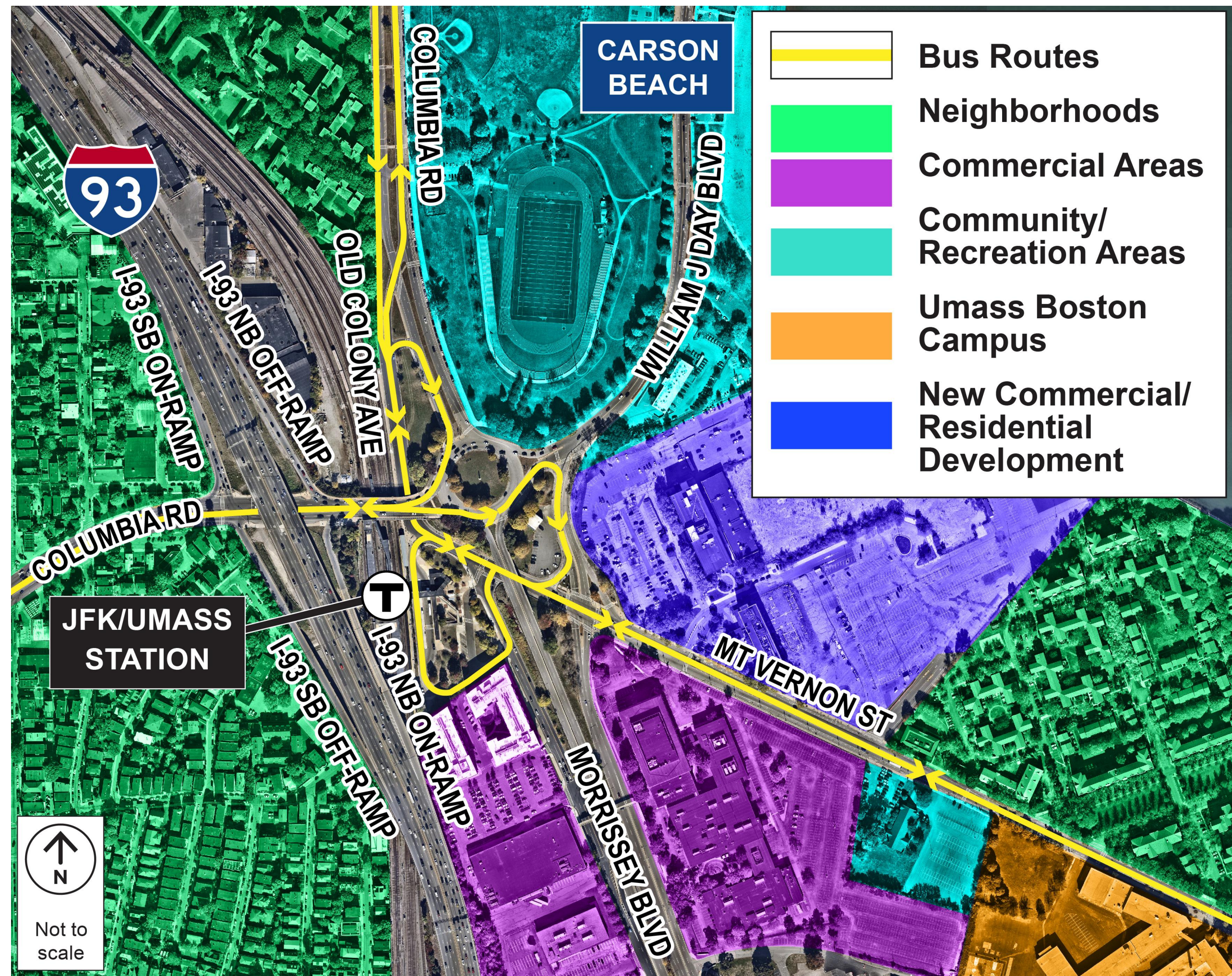




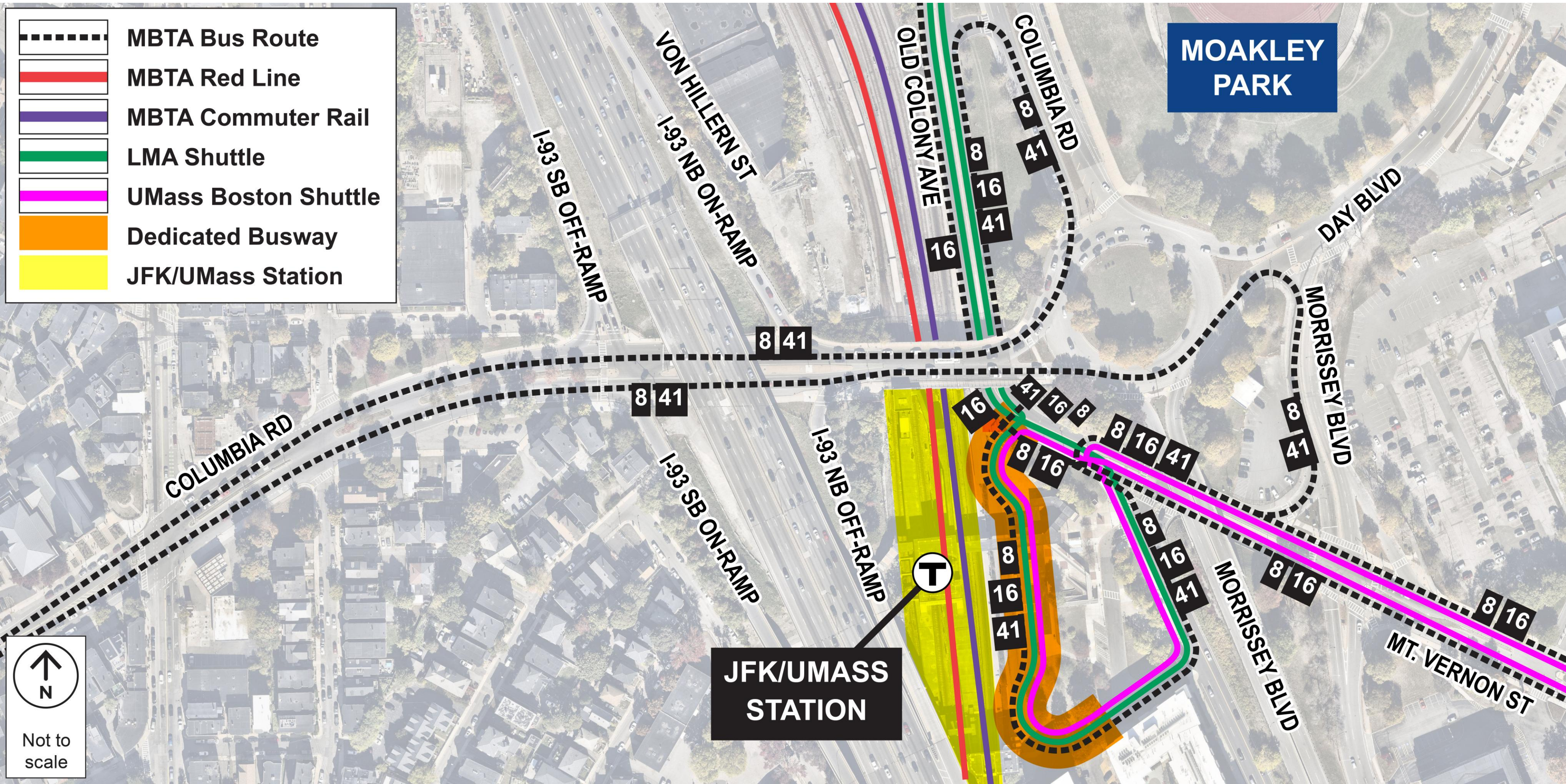
How can
transit be
accommodated?

Transit Access

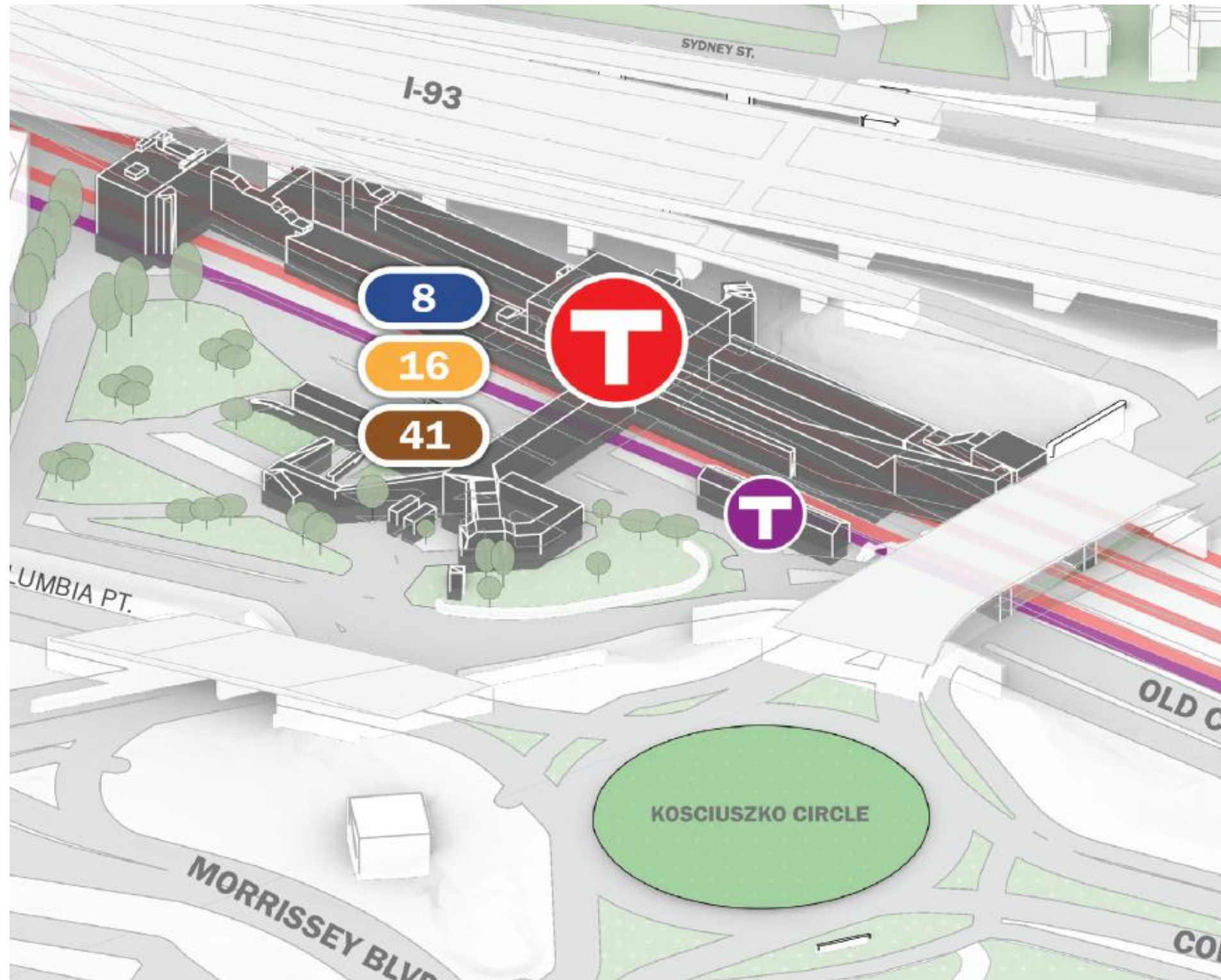
- Ongoing and Future Coordination with MBTA and BTD Transit
 - MBTA Station Access Study
 - BTD Station Access Study
 - BTD Mount Vernon Street Project
 - BTD Columbia Road Transportation Action Plan
- Transit Accommodations options under Review
 - Signal Priority
 - Bus Queue Jumps
 - Transit Priority



MBTA and Shuttle Bus Routes



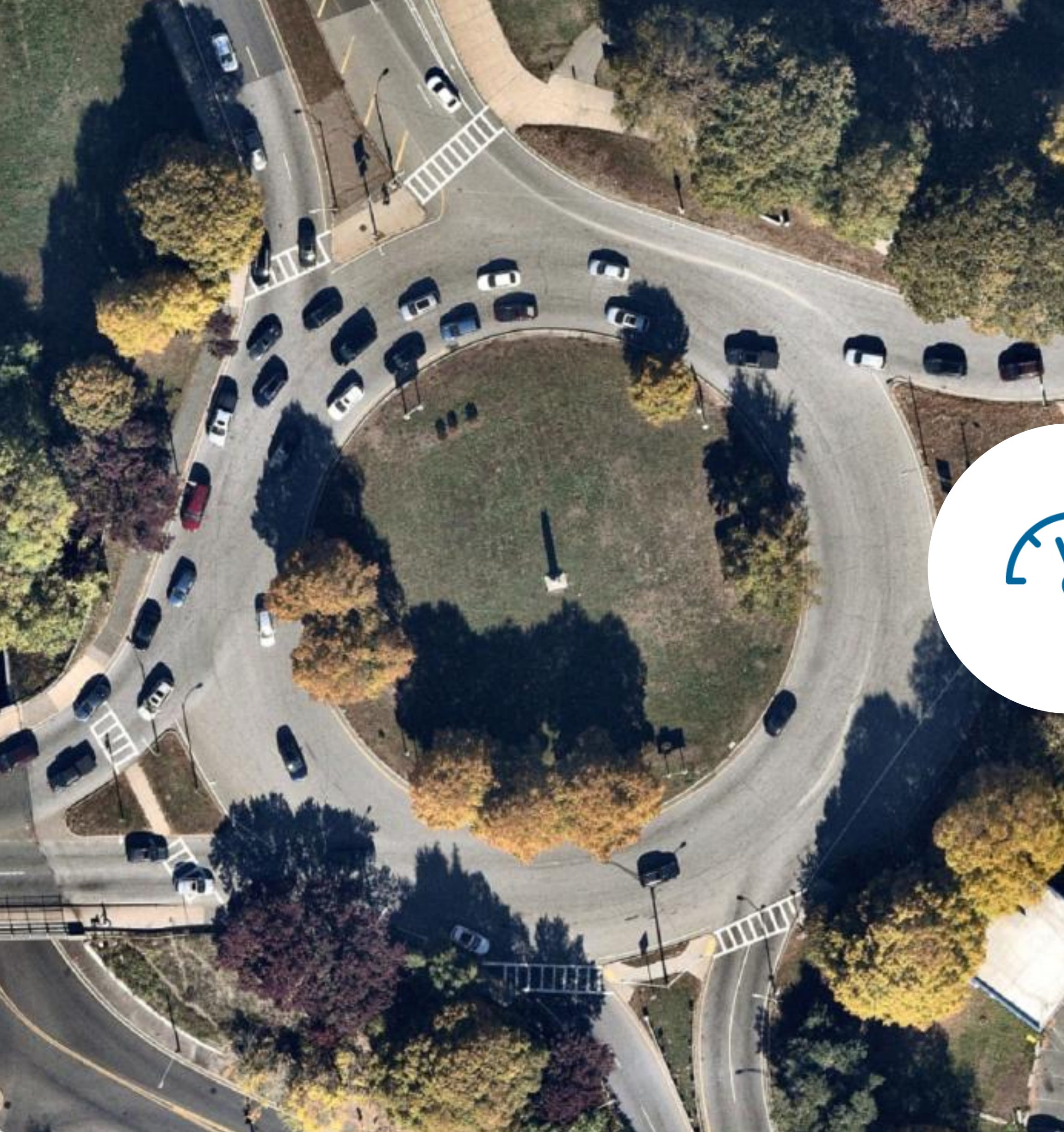
MBTA – JFK/UMass Station Goals



Assessing station design to bring it up to a state of good repair and add accessible entrances

Design priorities:

- Reduce pedestrian transfer between modes
- Enhance fare-free connection across station and pedestrian connections on Columbia Road and under I-93
- Accommodate increased ridership with new nearby developments
- Incorporate Bus Network Redesign and improve busway operations



**What
intersection
types are
being
considered?**

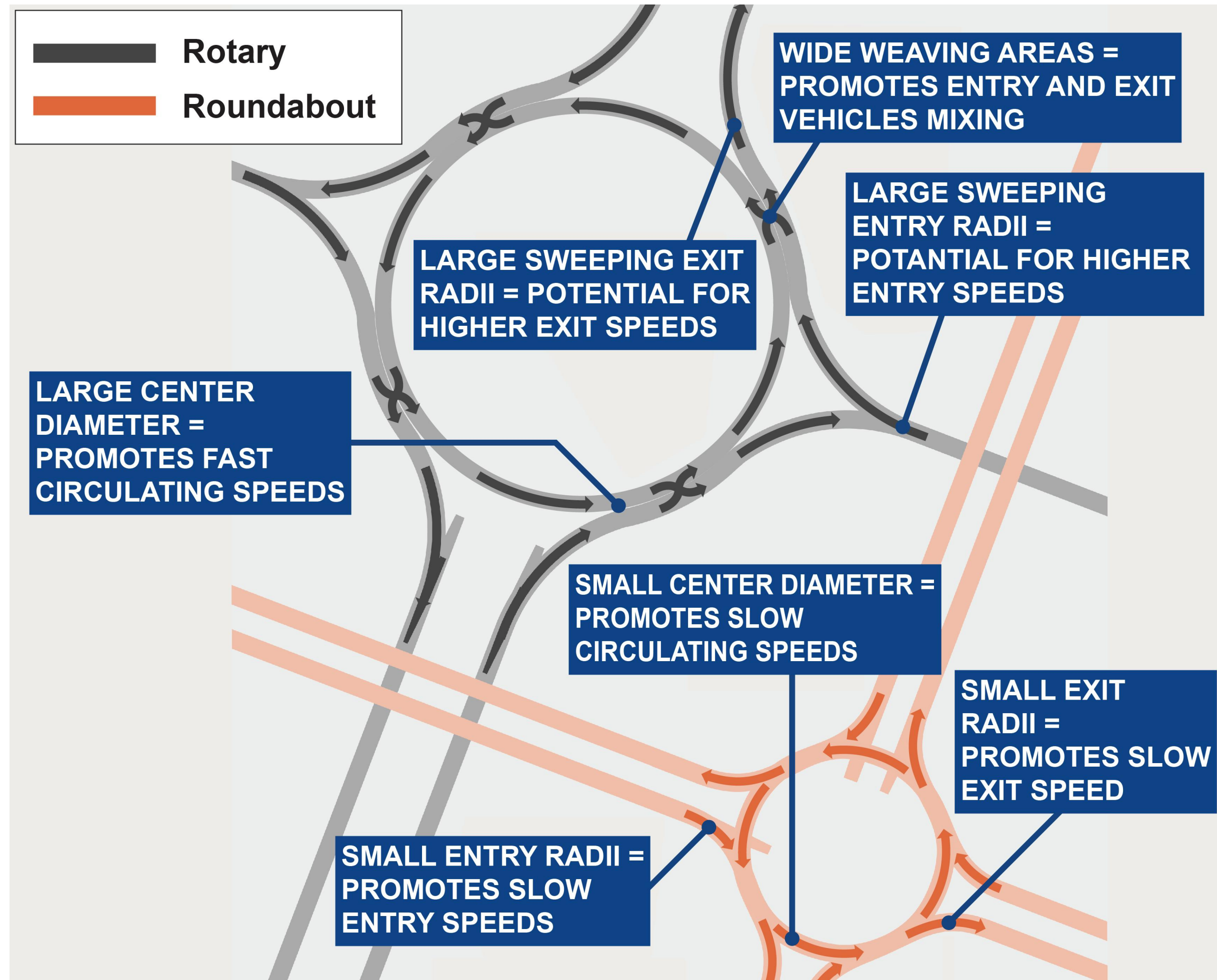
Modern Roundabout versus Rotary

Rotaries are:

- Larger
- Faster speeds
- Lane changing often required

Modern Roundabouts are:

- Smaller
- Encourage slower speeds
- Yield upon entry
- Lane changing not required



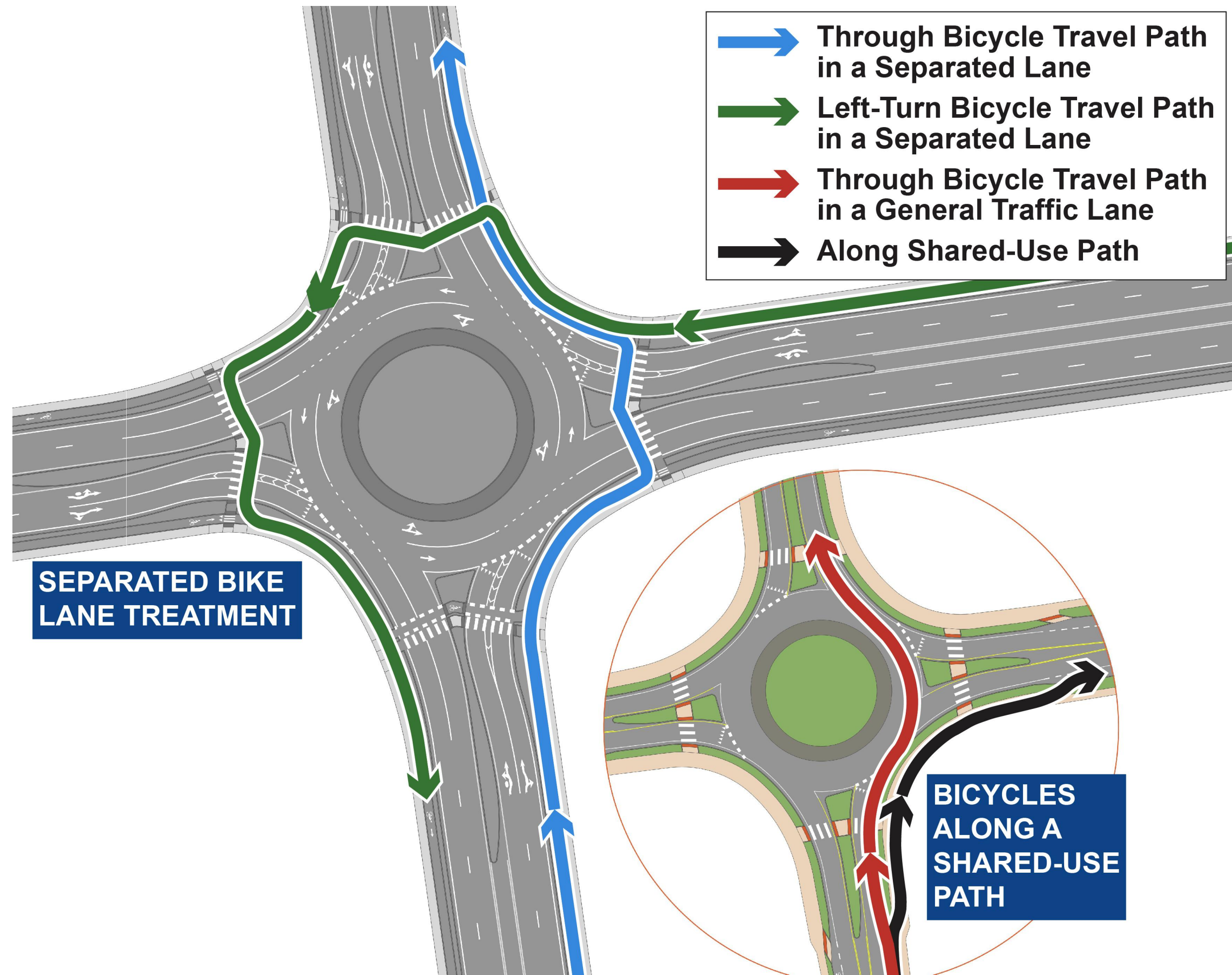
Pedestrians and Bicyclists at a Modern Roundabout

Pedestrian Movements:

- Signalized Crossings for multi-lane crossings

Bicycle Movements:

- Removed from Roadway when approaching roundabout



Opposing Left Turn Intersection

Operational Benefits

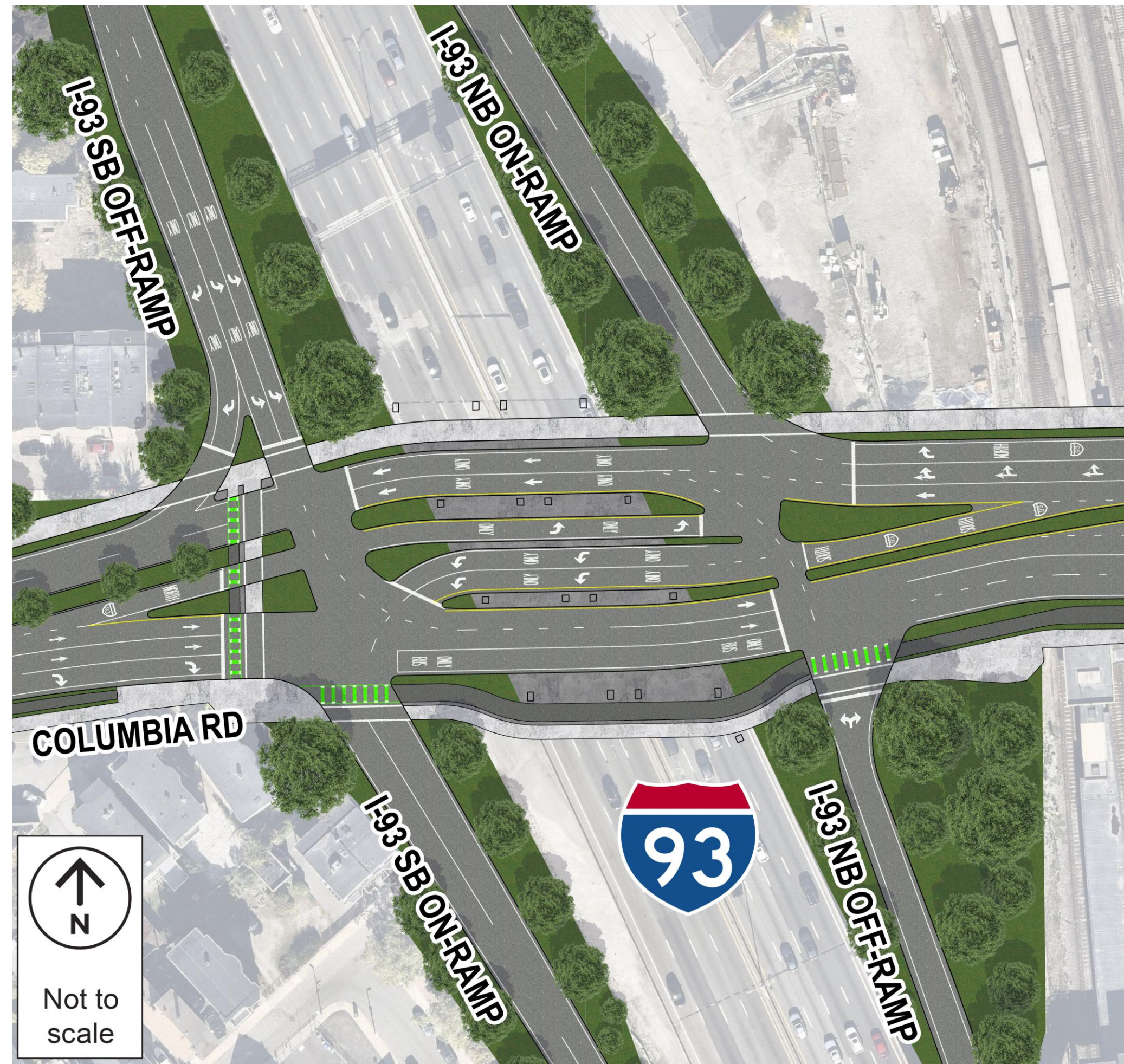
- Increased Vehicle Queue Storage
- Traffic Signal Phasing Flexibility
- Removes Eastbound to Northbound and Northbound to Westbound movements from Kosciuszko Circle

Typical Challenges

- Education: Left turn on opposing sides
- Large Footprint

User/Multimodal Accommodations

- Sidewalks/Shared Use Paths on both sides of the roadway
- Pedestrian and Bicycle Crosswalk across Columbia Road



Opposing Left Turn – Vehicular Through Movements



Opposing Left Turn – Vehicular Left Turn Movements



Opposing Left Turn – Pedestrian and Bicycle Movements



Diverging Diamond Interchange (DDI) Route 27 Over Route 9, Natick, MA

Example

- Massachusetts – Natick

Operational Benefits

- Traffic Capacity
- Fewer Conflict Points

Typical Challenges

- Education: New to MA
- Large Footprint

User/Multimodal Accommodations

- Pedestrian & cyclists cross one direction of travel at a time
- Access can be provided to the exterior or the center of the DDI



Diverging Diamond Eastbound Vehicular Travel (Crossover)



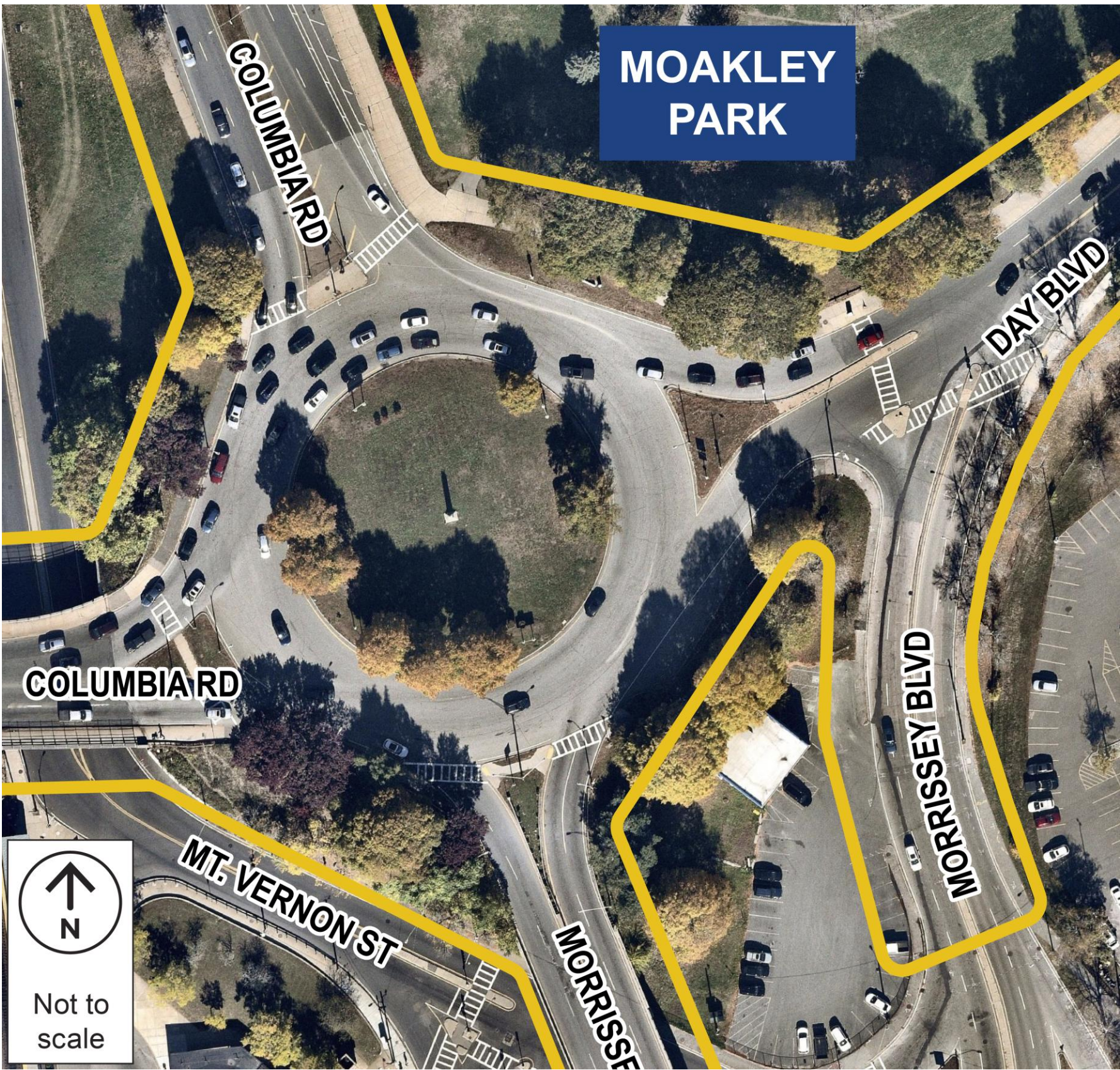
Diverging Diamond Westbound Vehicular Travel (Crossover)



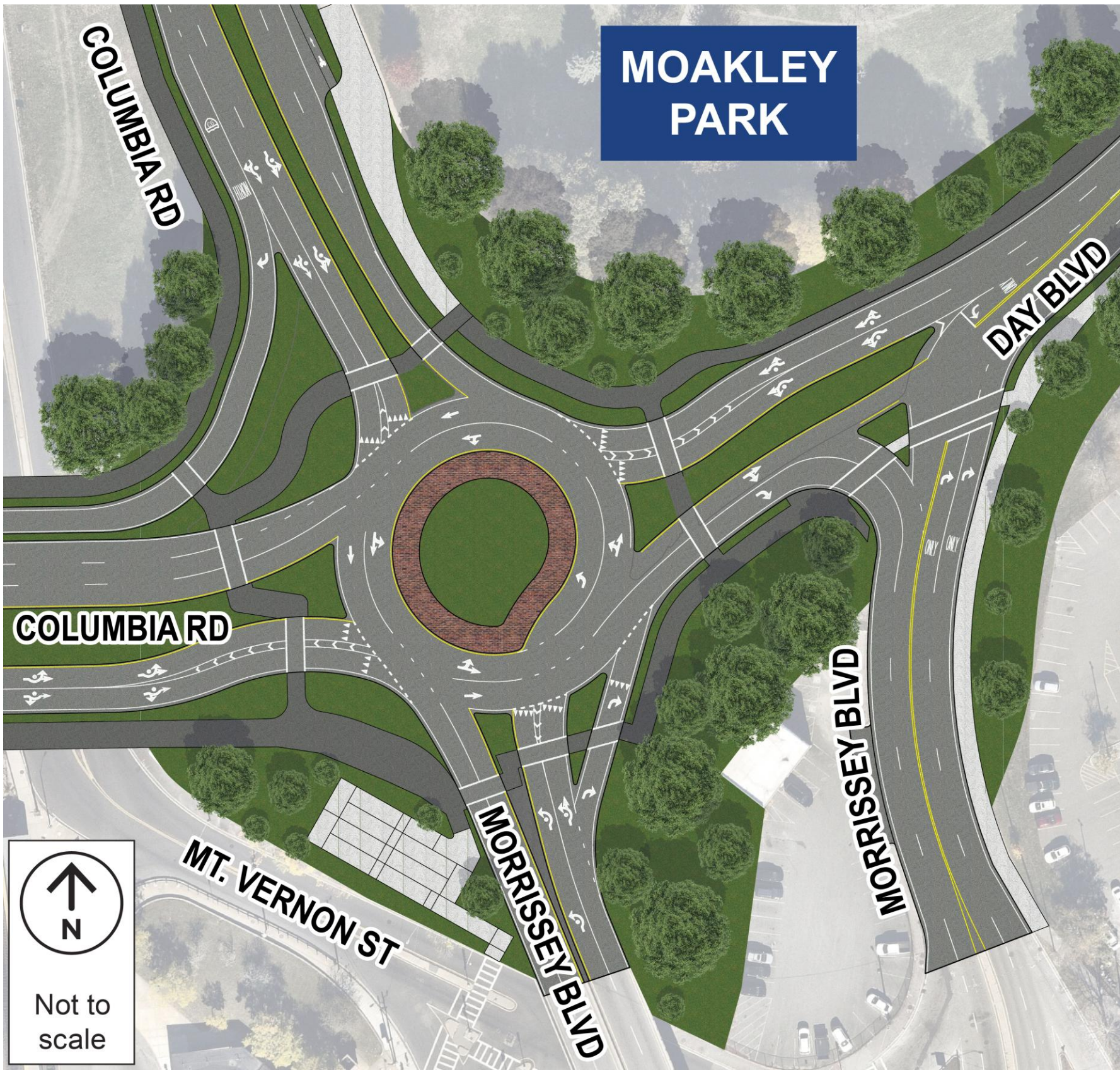
Diverging Diamond Pedestrian and Bicycle Movements



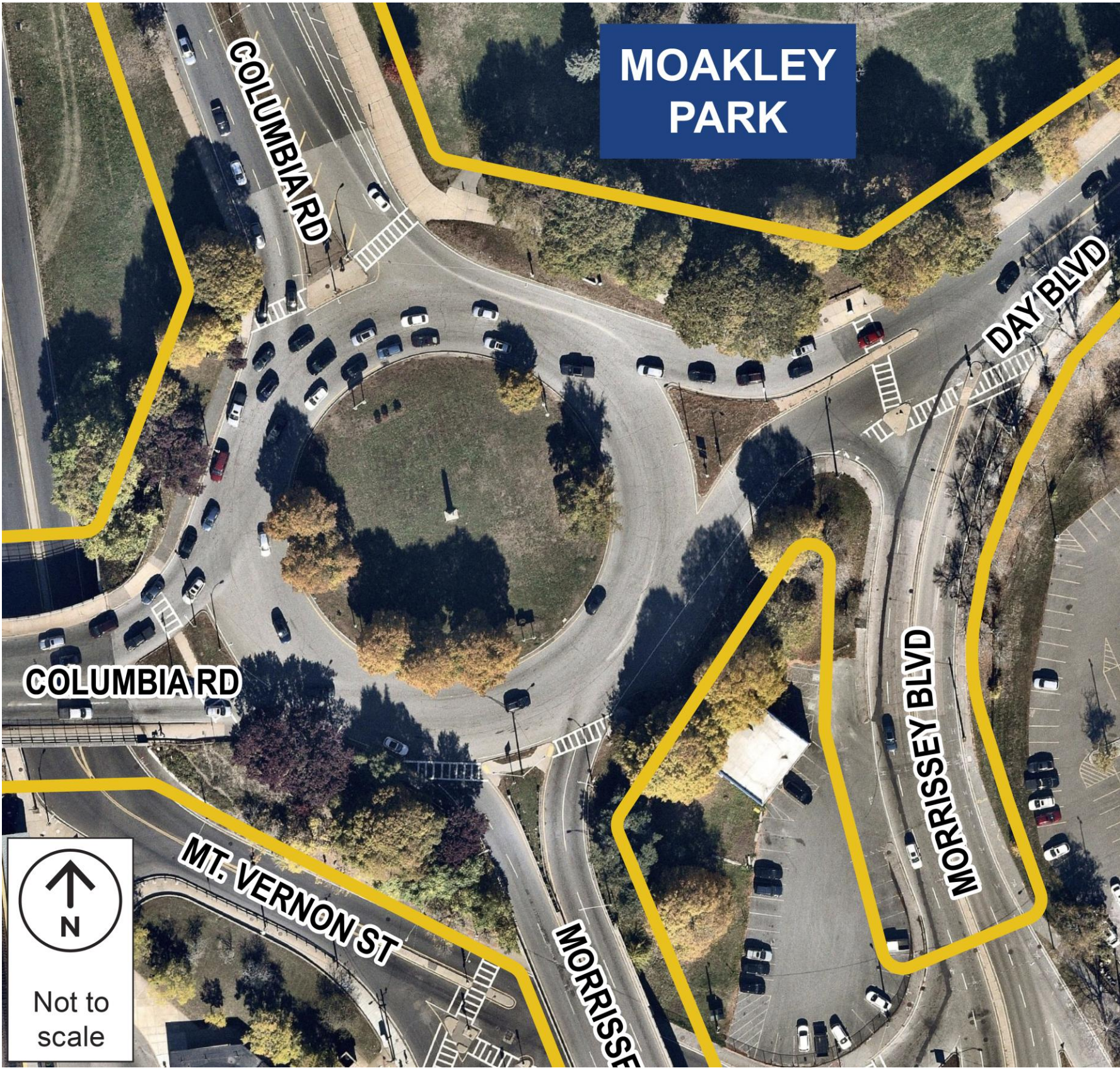
Existing Kosciuszko Circle



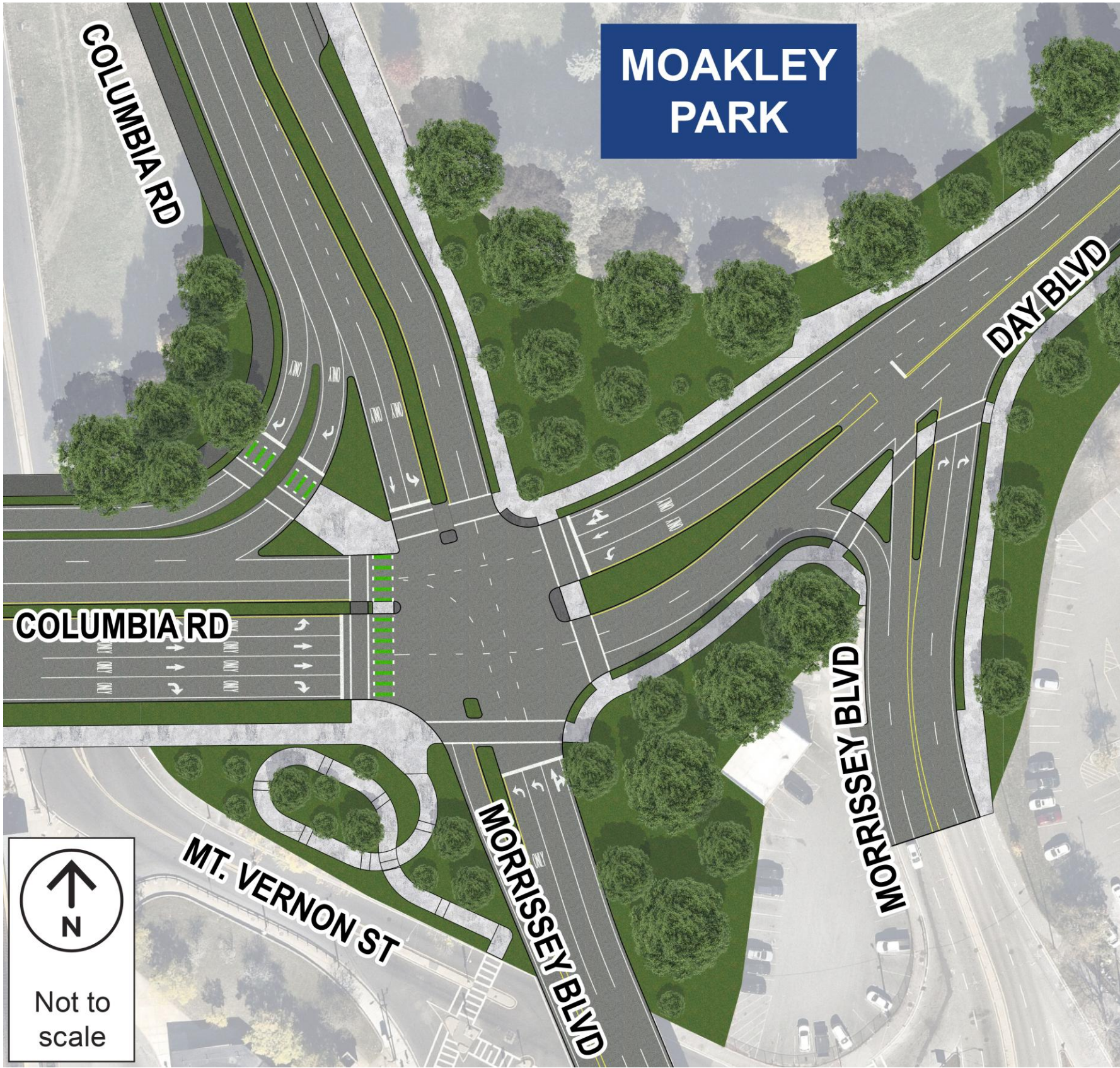
Alternative – Modern Roundabout



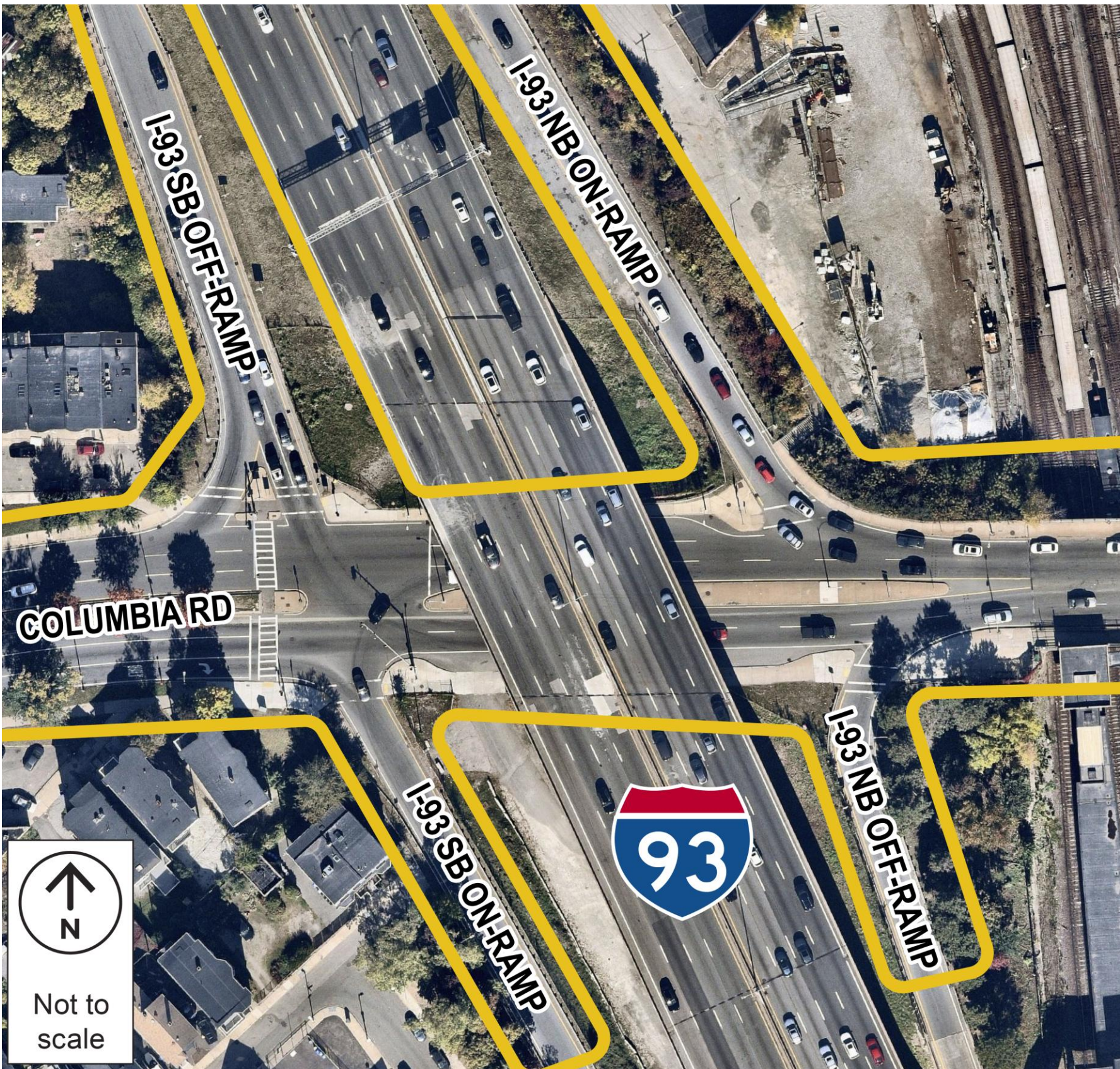
Existing Kosciuszko Circle



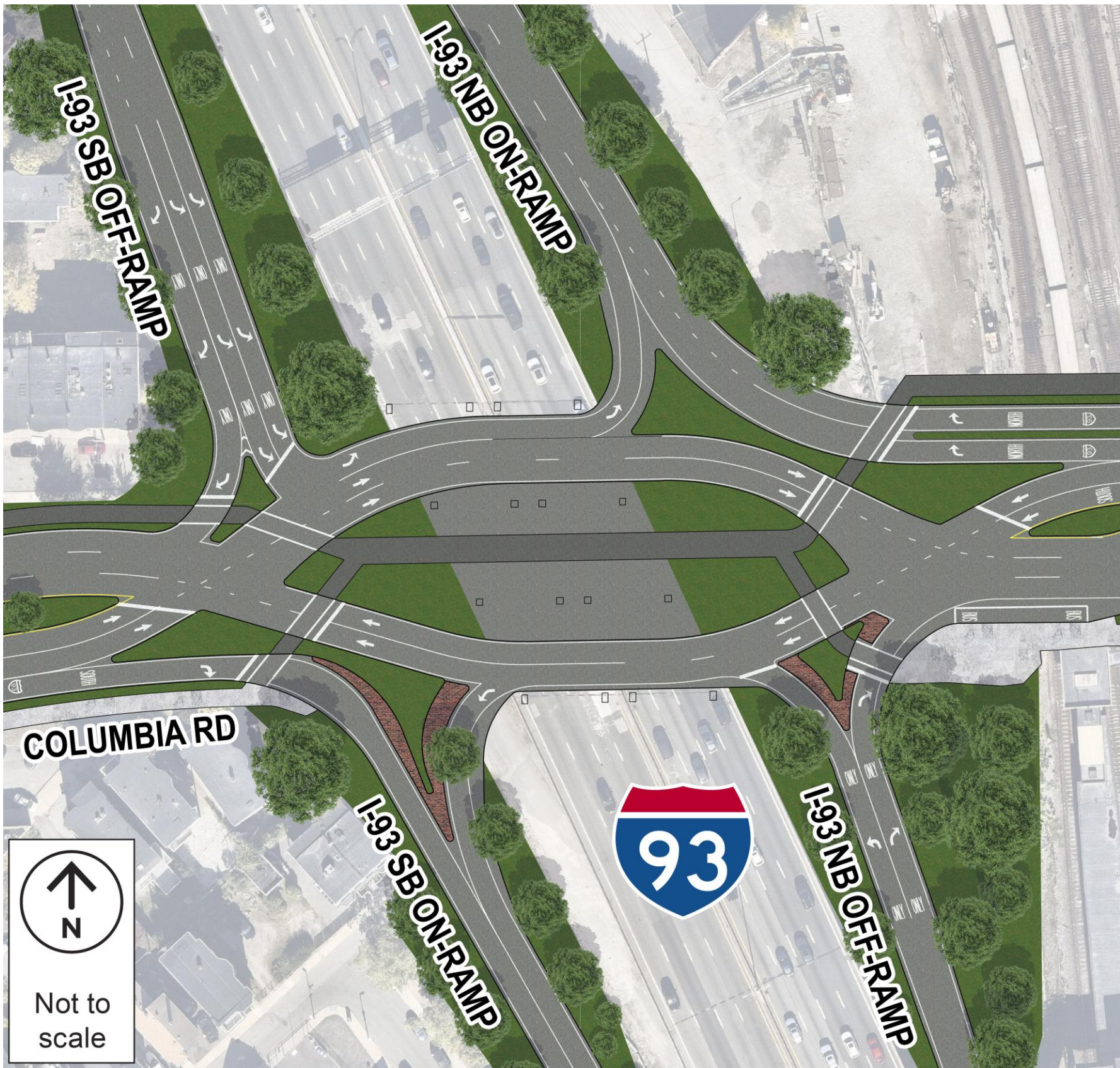
Alternative – Signalized Intersection



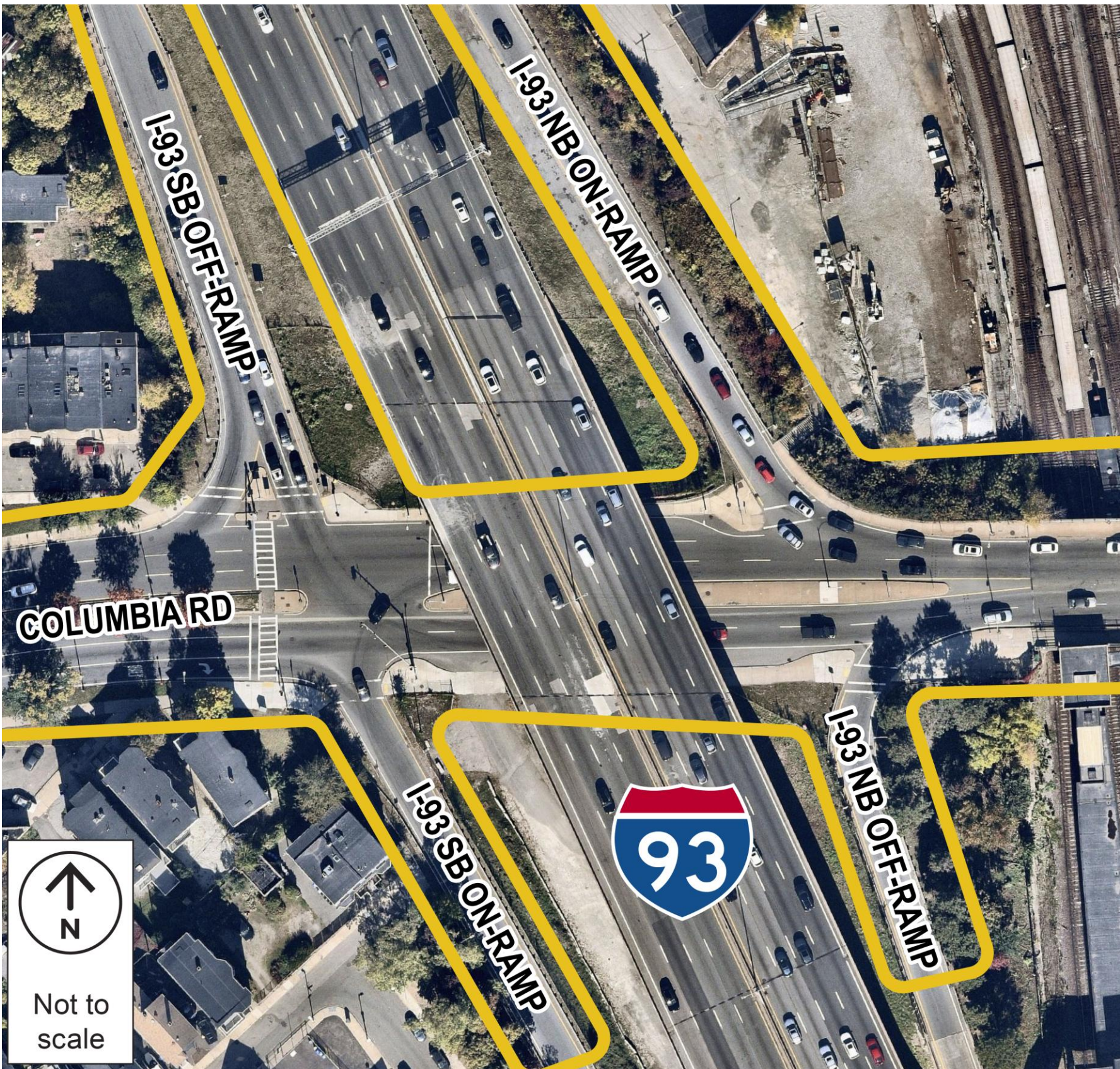
Existing Interchange



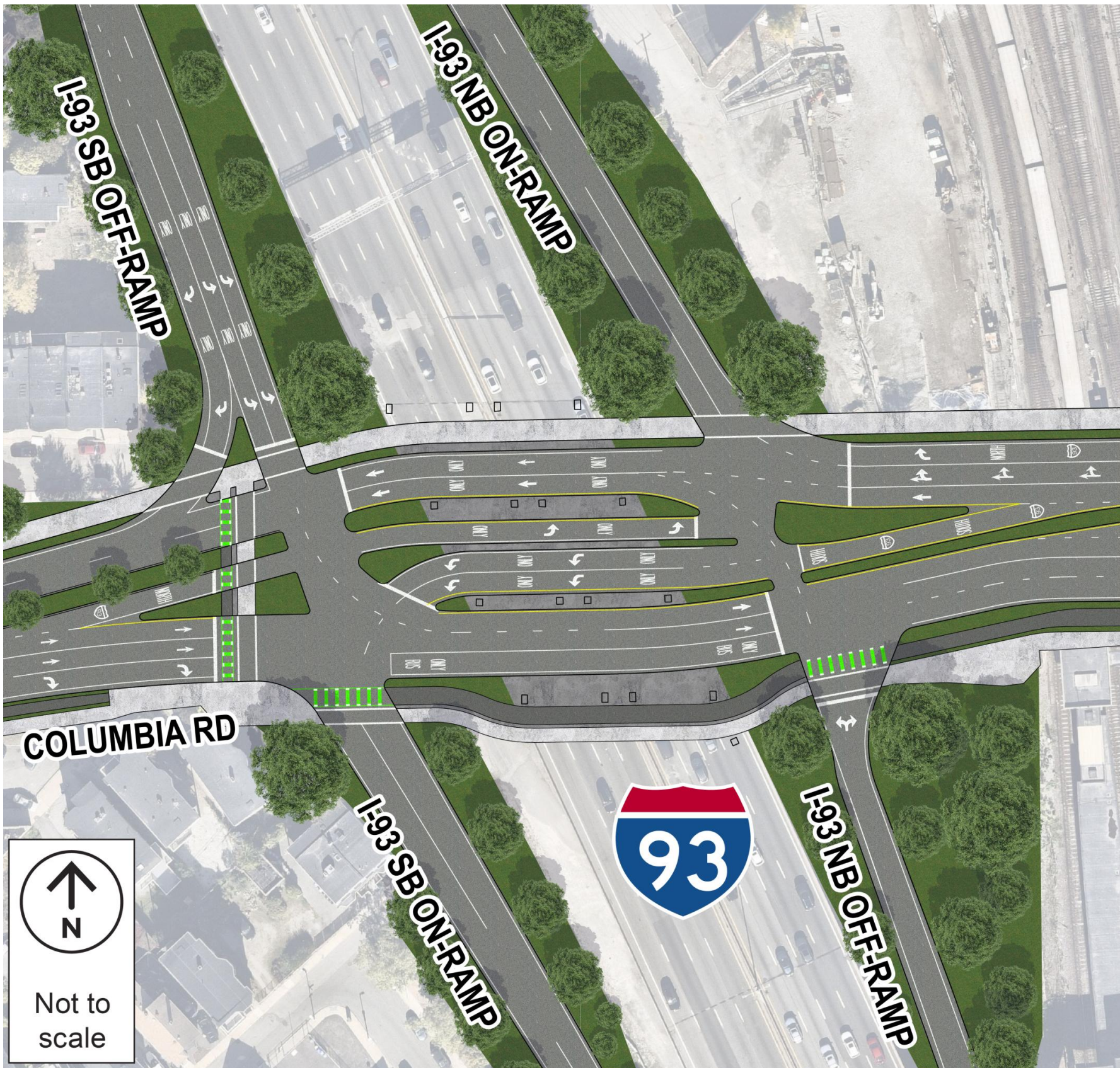
Alternative – Diverging Diamond



Existing Interchange



Alternative – Opposing Left Turns



Option 1 – Opposing Left Turns and Signalized Intersection



Option 2 – Opposing Left Turns and Modern Roundabout



Option 3 – Diverging Diamond and Signalized Intersection



Option 4 – Diverging Diamond and Modern Roundabout



Interagency & Stakeholder Coordination

- MBTA
 - JFK/UMass Station
 - Bus Route Coordination
- City of Boston Agencies
- Department of Conservation and Recreation (DCR)
- UMass & Regional Schools
- Shuttle Operators
 - Longwood Collective
- Area Development



CITY of BOSTON



MASSACHUSETTS
BAY
TRANSPORTATION
AUTHORITY



Our next steps



Public Information Meeting (PIM) #1
Tonight



Review of Public Comments



Agency & Municipal Coordination



Alternative Refinement



PIM #2 Spring 2025

How to reach us

- Visit the project website at:
Project website pending
- Submit email comments to:
DOT.feedback.highway@state.ma.us
- For project information visit the MassDOT Upcoming Events for Highway Division web site at
<http://www.mass.gov/orgs/highway-division/events> or used the QR Code:
- Submit written comments to:
Carrie Lavalley, P.E., Chief Engineer
MassDOT
10 Park Plaza
Boston, MA 02116
Attention: Major Projects PROJECT FILE NO. 613555





Questions and answers

Questions and Comments



- Use Microphone provided and please line up three (3) at a time.



- Please state your name before your question.



- Please share only **1** question or comment at a time, limited to **2** minutes, to allow others to participate. We will get to all questions.

**All questions and comments are subject to disclosure for public records.
Please use these functions for project related business only.**



Thank You

*ROADWAY RECONSTRUCTION
ON COLUMBIA ROAD AND
KOSCIUSZKO CIRCLE AT I-93*

Boston College High School: April 3, 2025

Project File No. 613555

Project Manager: Massdotmajorprojects@dot.state.ma.us

