



September 27, 2023  
**Public Information Meeting  
I-90 & Remaining Ramps**

Virtual Meeting

No. 607977-116673

**Project email**

[495-90Improvements@state.ma.us](mailto:495-90Improvements@state.ma.us)





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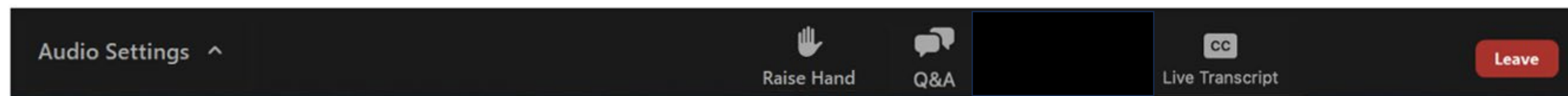
- Closed captioning automatically generated by Zoom



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- 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.

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



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Public Notice Published:



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# Thank You for Your Support (cont.)

## Central Massachusetts Planning Commission



## Hopkinton Chamber of Commerce

## Corridor 9 /495 Chamber of Commerce





# Agenda

## 01 Project Overview

## 02 Design:

- I-90
- Remaining Ramps (NW, NE, WS, SW & EN)

## 03 Outreach and Communication Plan





## Tonight's Panel:

Gary Baxter, Project Manager

Jean-Pierre Telemaque, District 3 Asst. Construction Engineer

Tom Emerick, District 3 Deputy Highway Director

Joe Frawley, District 3 Operations Engineer

Alex Murray (HNTB), Preliminary Design Team

Michael McNutt, MassDOT Producer

Joe Yoo, MassDOT Producer

Mark Shamp, Barletta Heavy Division

Howard Goldberg, Barletta Heavy Division

Don Cooke (VHB) Design Manager

Josh Cone-Roddy (VHB) Highway

Keith Sonia (RVA) Outreach





# Project Overview



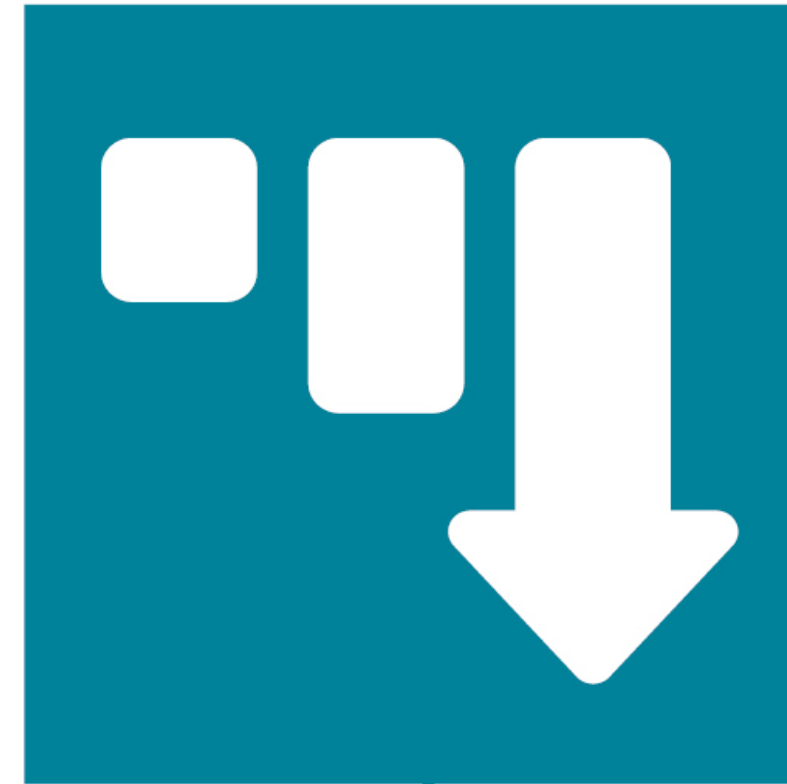
## Project Goals



**Reduce crashes**  
in the project area for  
all movements



**Reduce recurring  
congestion**  
within the interchange



**Reduce queuing**  
that currently extends  
from the interchange  
onto the mainlines of  
I-90 and I-495



**Reduce travel time**  
the interchange,  
especially for  
high-volume  
movements

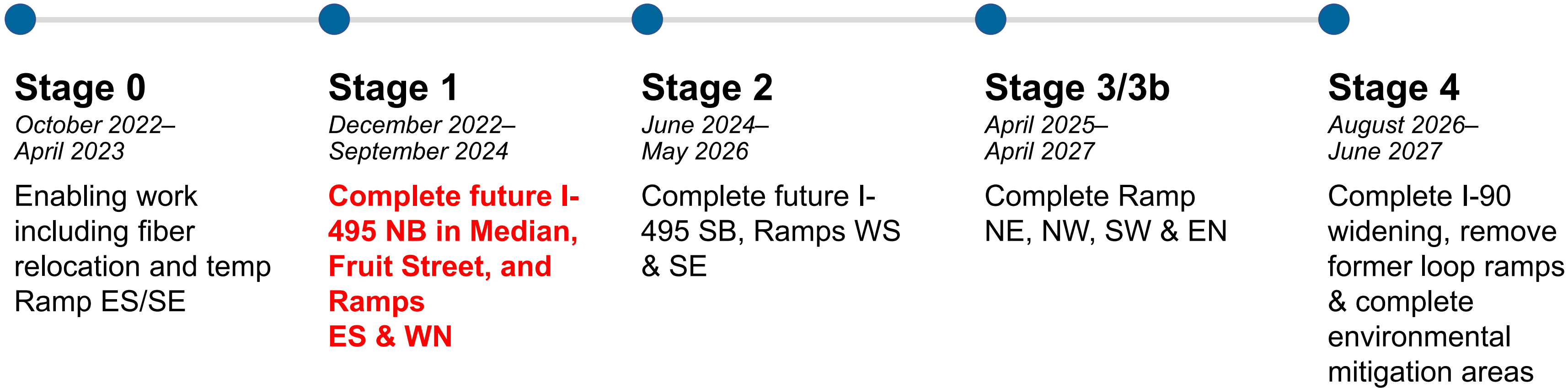


# Schedule

## Design



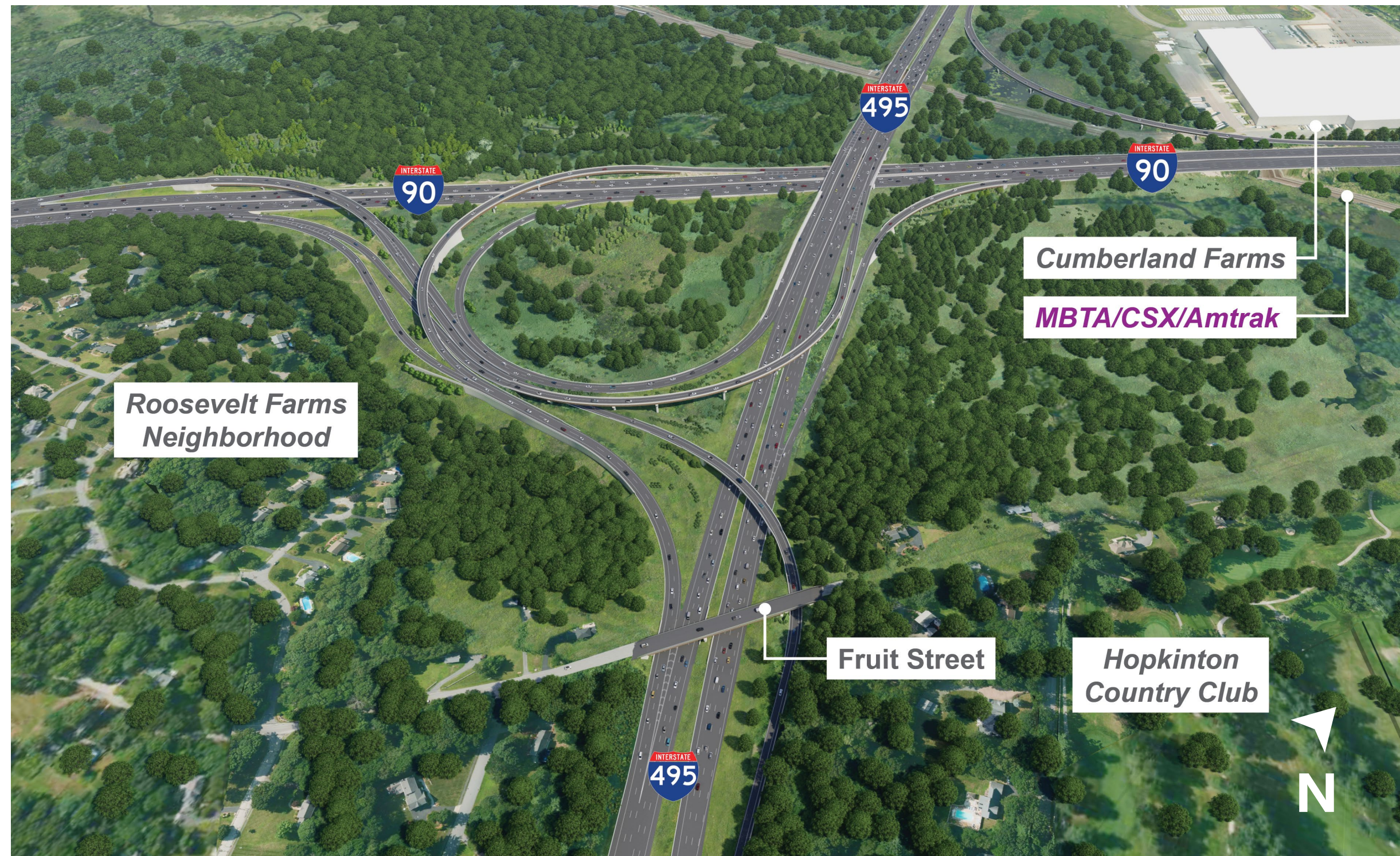
## Construction





# Key Project Elements & Proposed Modifications

- Project limits extend approximately 3/4 mile in each direction
- Complete replacement of the Interchange
- Elimination of old toll booth area and weaving areas
- Extremely sensitive environmental resource area



Project website

<https://www.mass.gov/i-495i-90-interchange-improvements>



## I-90

- 3 lanes in each direction with minor widening
- Minimal changes to roadway profile and cross slope
- Bridge over MBTA/CSX/Amtrak to be replaced
- Fiber optic cables in median and EB shoulder to be relocated
- Culvert at Whitehall Brook to be replaced





# I-495

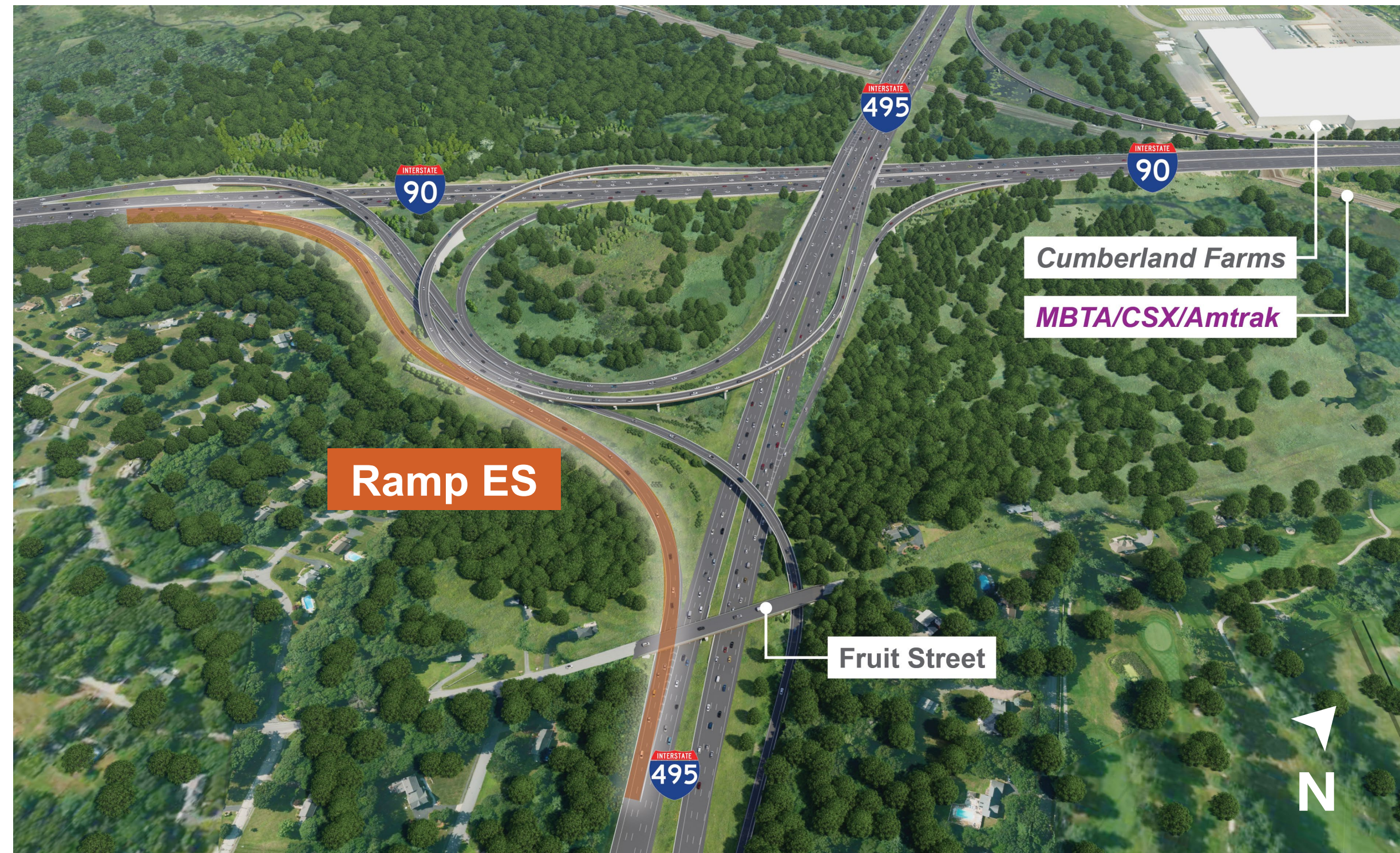
- 3 lanes in each direction
- Additional (4th) lane will be provided to Route 9
- Future I-495 NB will be constructed within the existing median
- Future I-495 SB will be in its existing location
- Bridges over MBTA/CSX/Amtrak and I-90 to be replaced
- I-495 NB bridge over Flanders Road to be replaced





## Ramp ES

- New direct ramp provided between I-90 EB and I-495 SB
- Part of a 2-lane off-ramp from I-90 EB (splits to Ramp ES and Ramp EN)
- Combines with Ramp WS to provide 2-lane on-ramp to I-495 SB

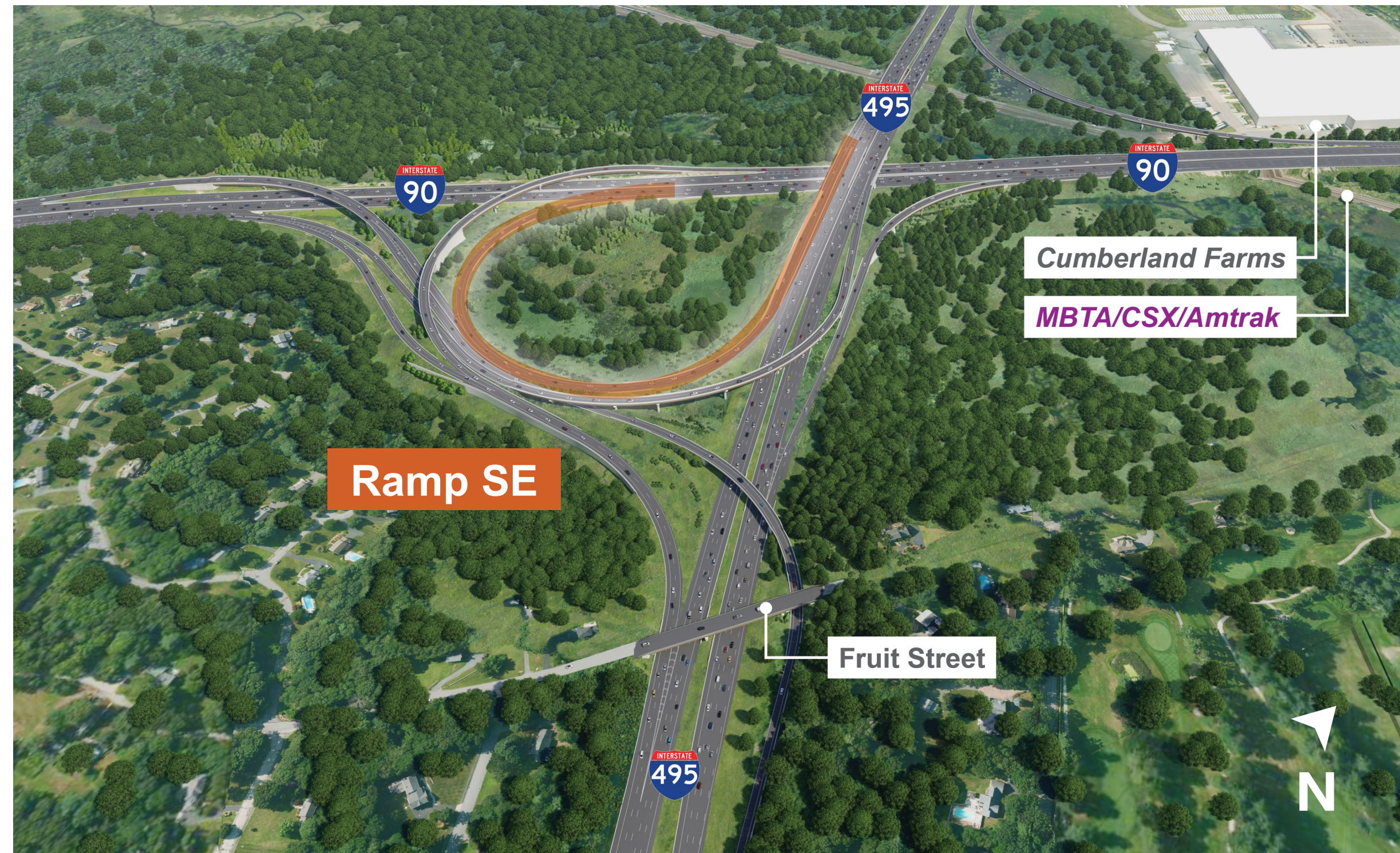


*\*Ramp Designations indicate directionality—i.e., **Ramp WN** connects I-90W to I-495N*



## Ramp SE

- New loop ramp from I-495 SB to I-90 EB
- Part of a 2-lane off-ramp (splits to Ramp SE and Ramp SW)
- Enter I-90 EB as a single lane on-ramp





## Ramp WN

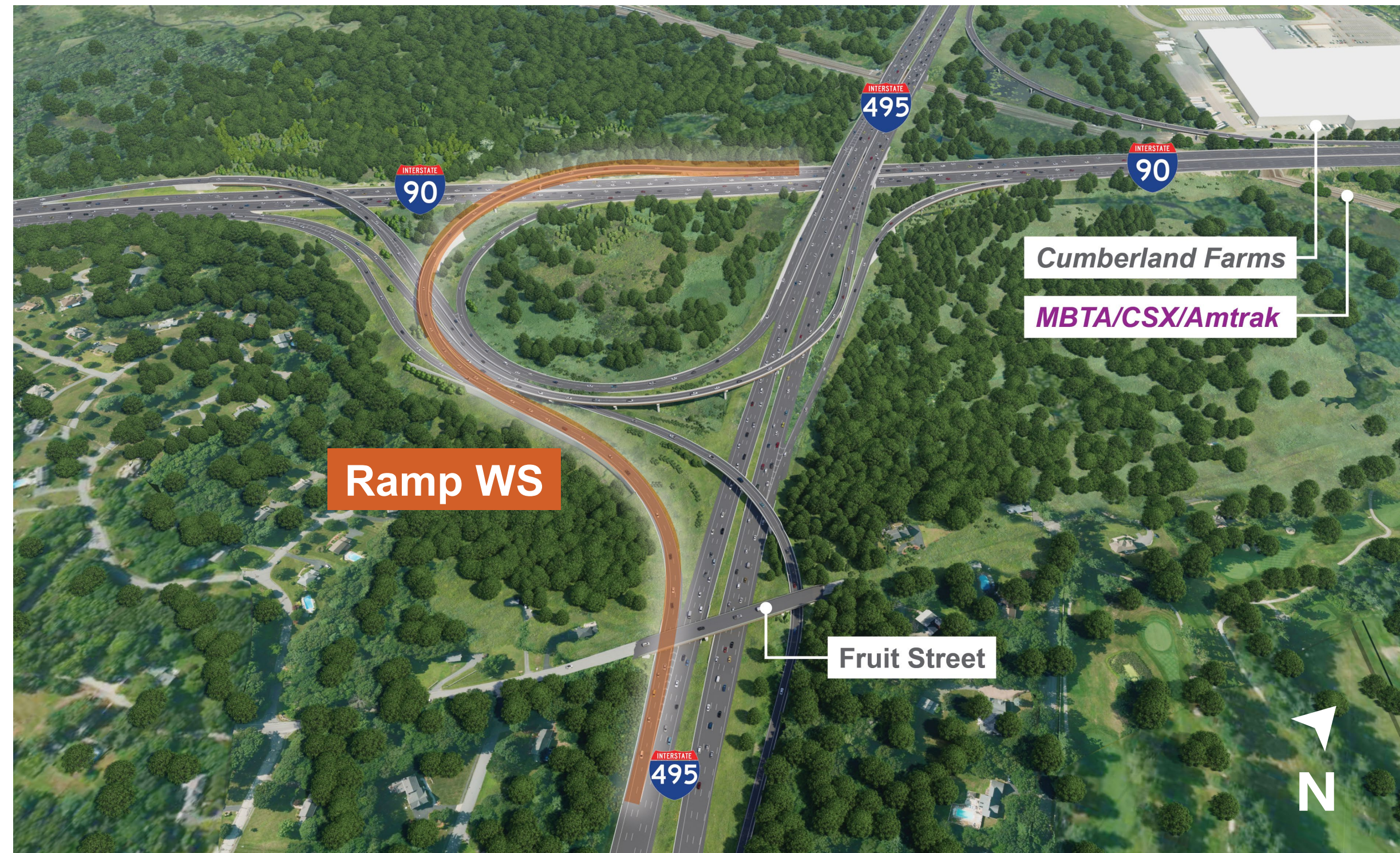
- New direct ramp provided between I-90 WB and I-495 NB
- Single lane ramp
- Entrance to I-495 NB begins additional 4th lane NB to Route 9





## Ramp WS

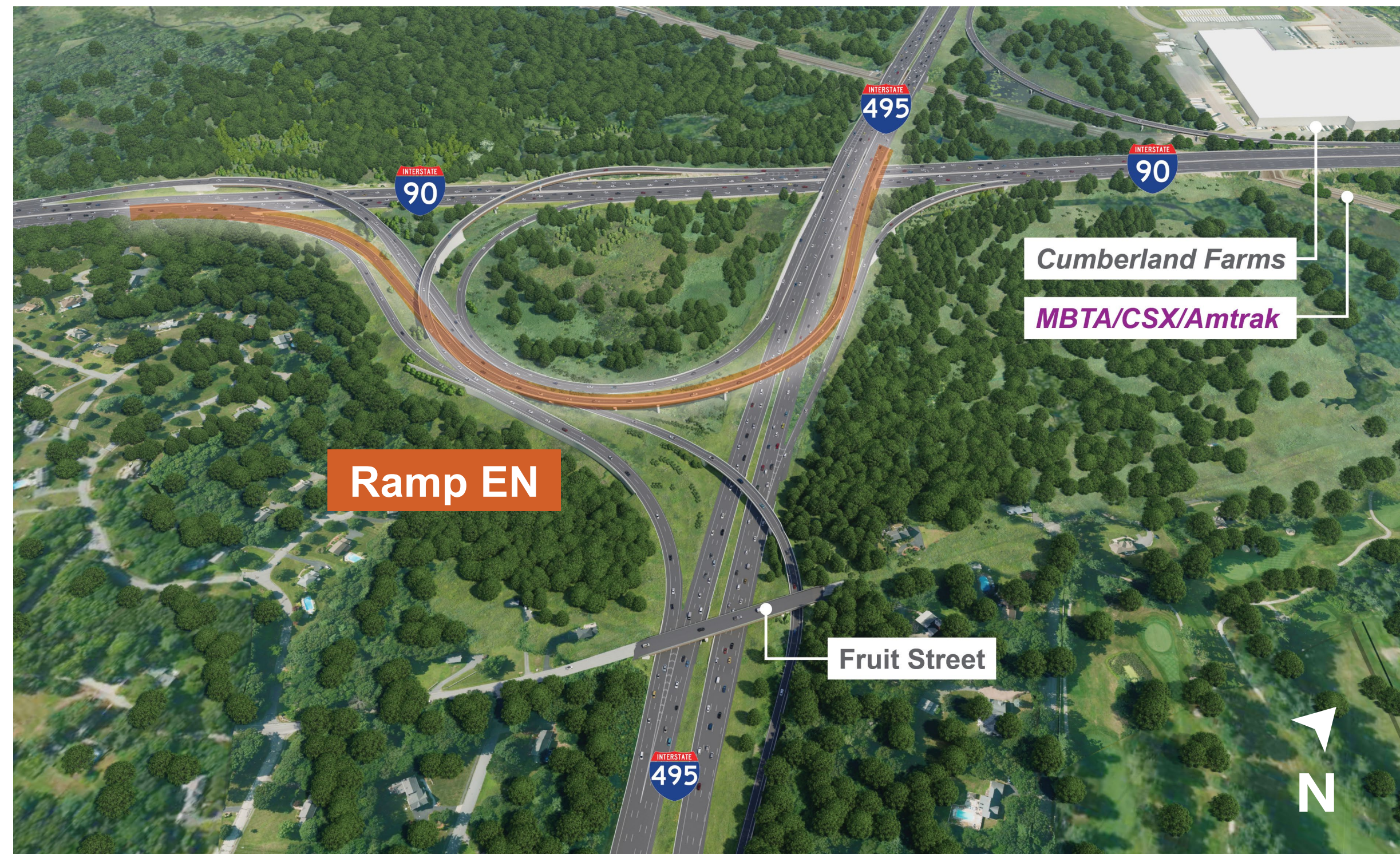
- New semi-direct ramp provided between I-90 WB and I-495 SB
- Single lane off-ramp
- Combines with new Ramp ES to provide 2-lane on-ramp to I-495 SB





## Ramp EN

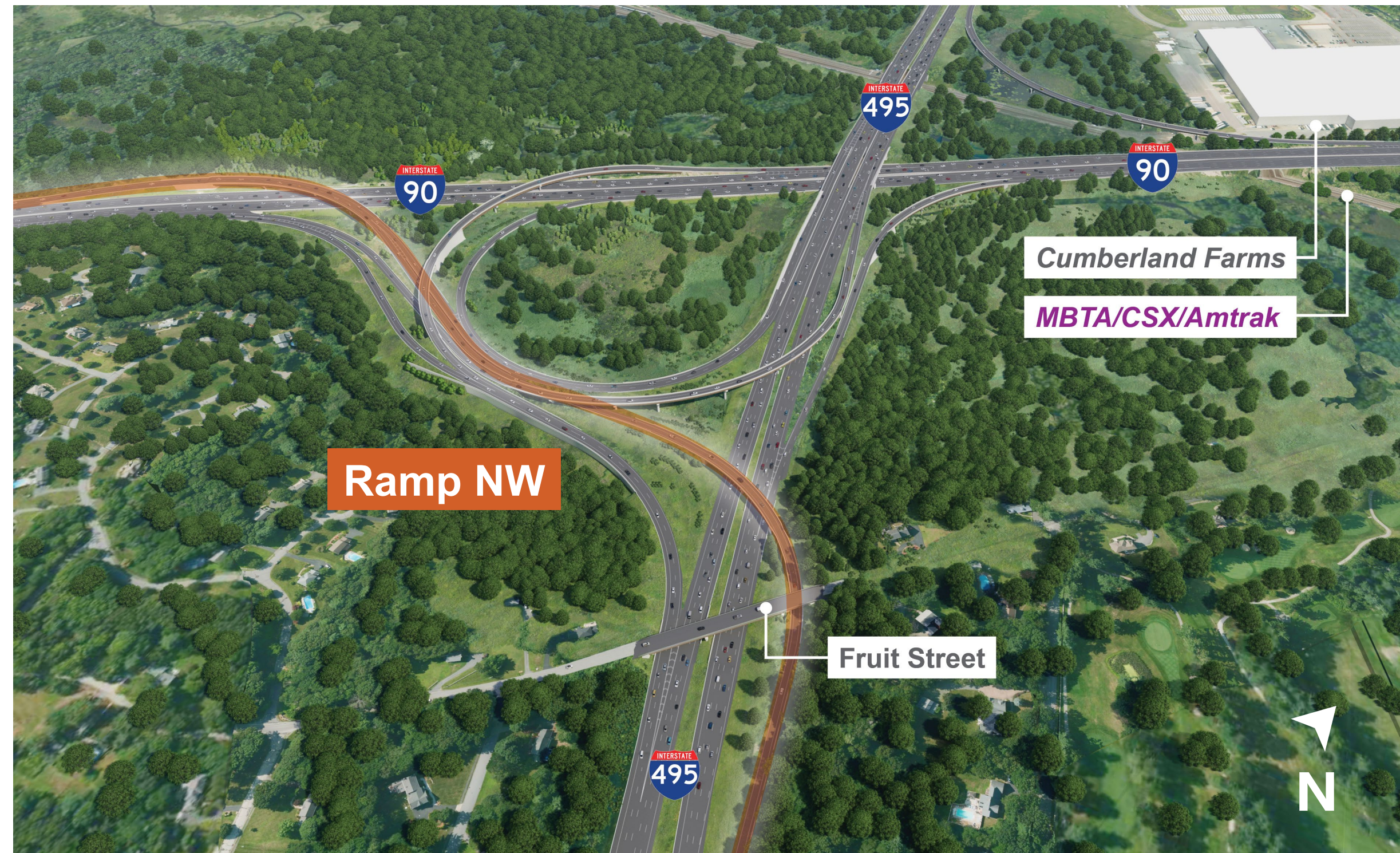
- New semi-direct ramp provided between I-90 EB and I-495 NB
- Part of a 2-lane off-ramp (splits to Ramp EN and Ramp ES)
- Enters I-495 NB as a single lane on-ramp on the I-495 NB bridge over I-90





## Ramp NW

- New semi-direct ramp provided between I-495 NB and I-90 WB
- Single lane off-ramp
- Combines with Ramp SW to provide a 2-lane on-ramp to I-90 WB





## Ramp NE

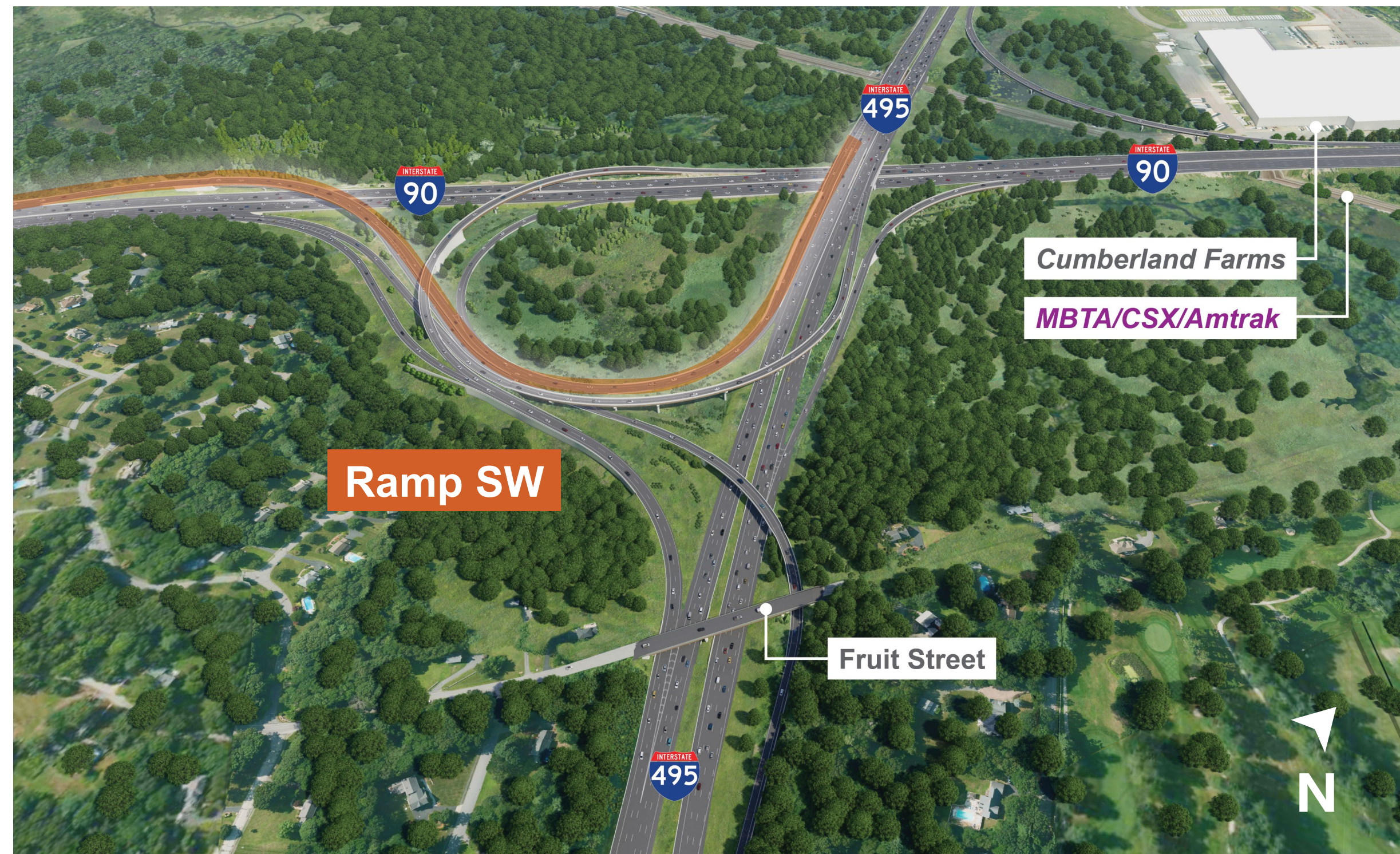
- New direct ramp from I-495 NB to I-90 EB
- Single lane ramp
- Enters I-90 EB as a single lane on-ramp on the I-90 EB over the MBTA/CSX/Amtrak bridge





## Ramp SW

- New semi-direct ramp from I-495 SB to I-90 WB
- Part of a 2-lane off-ramp (splits to Ramp SW and Ramp SE)
- Combines with Ramp NW to provide a 2-lane on-ramp to I-90 WB





# Fruit Street

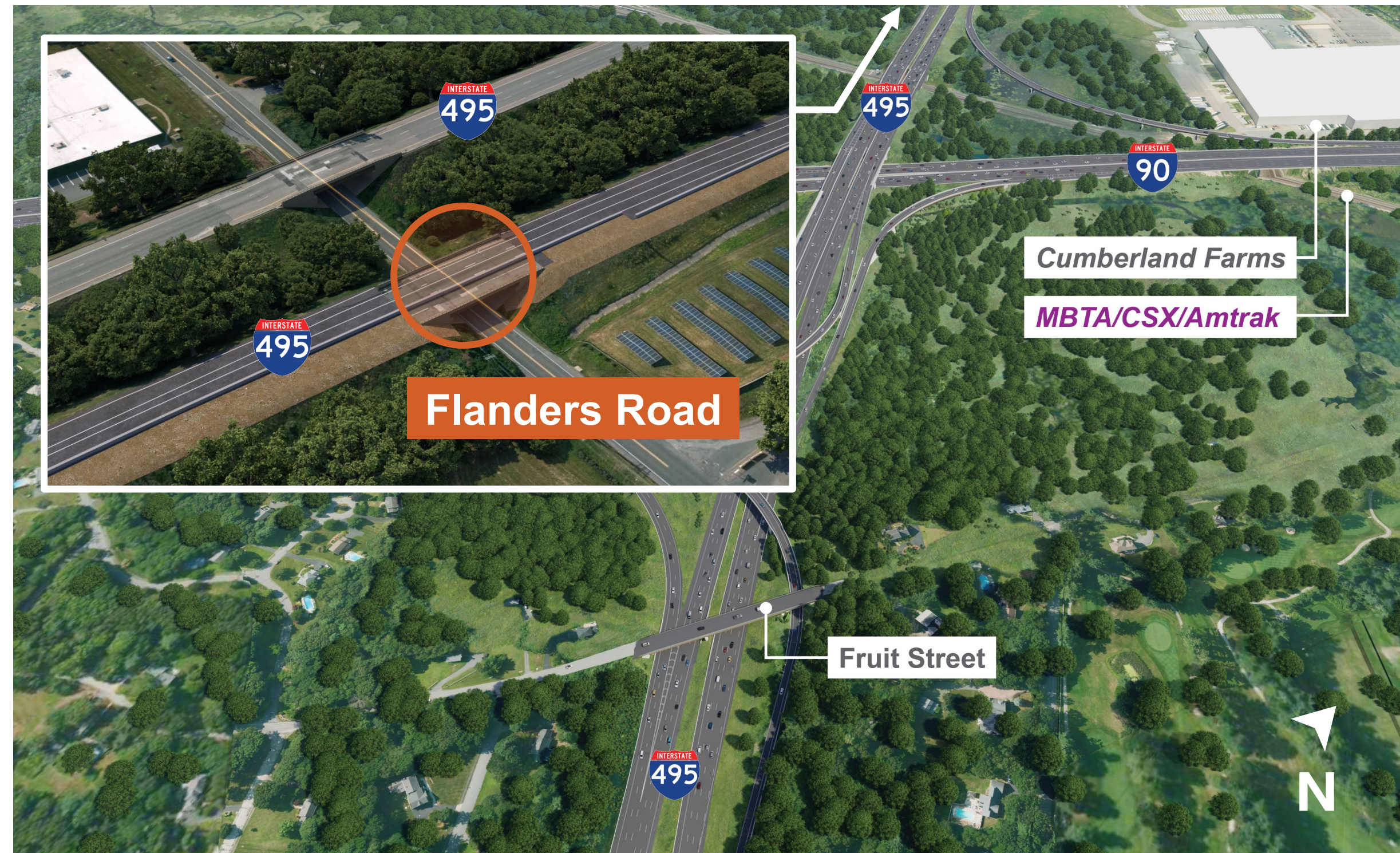
- Replacement of Fruit Street bridge over I-495
- Will be completed in 2 major stages
- 2-way, 1-lane alternating traffic (under signal control) during major stages
- Emergency vehicle pre-emption to be provided at signal
- Involves additional roadway, utility and landscaping features





## Flanders Road

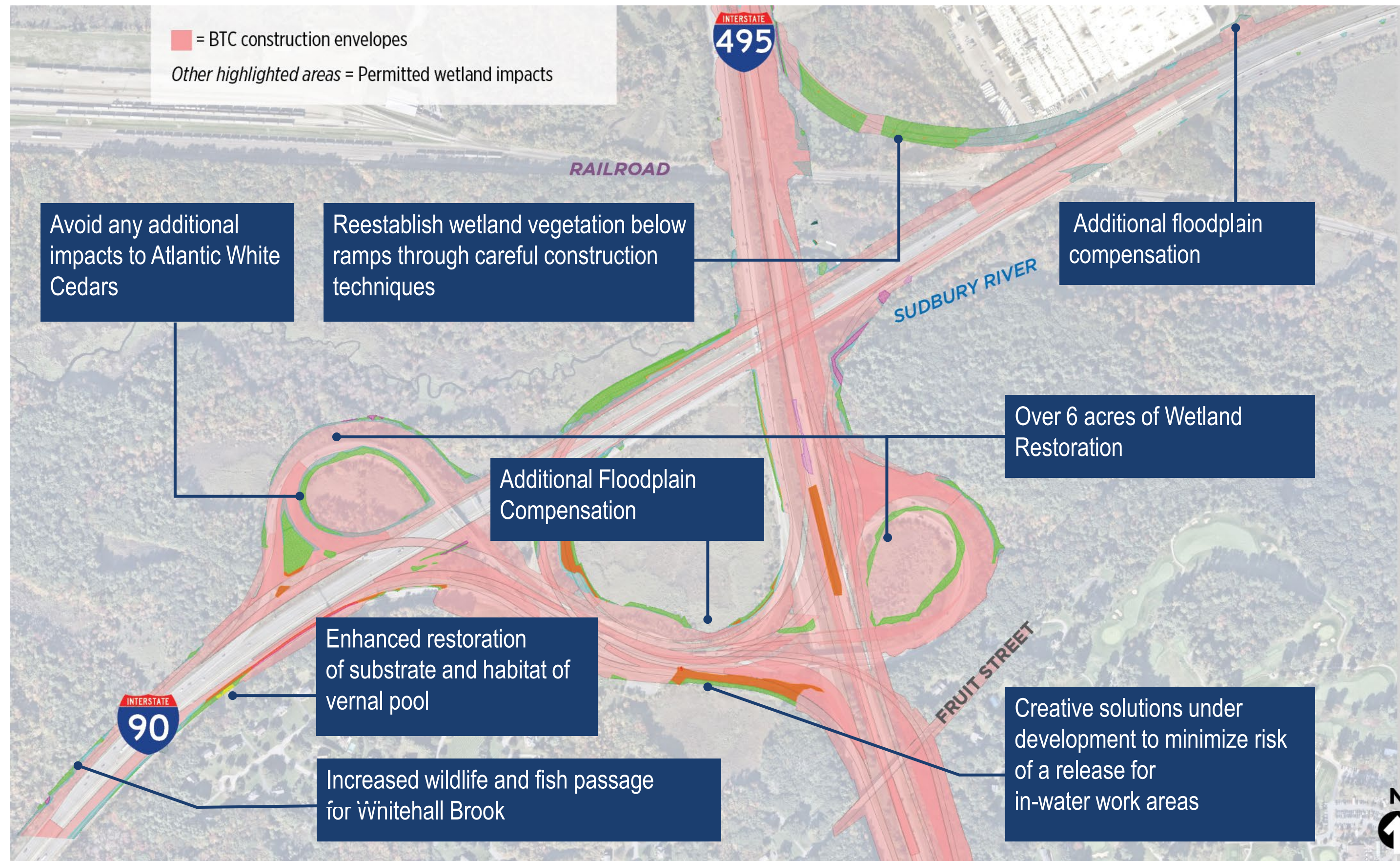
- Replacement of I-495 NB bridge superstructure over Flanders Road
- Constructed with an overbuild to maintain 3-lanes of travel
- Utility work on Flanders Road below I-495





# Environmental Considerations

- Interchange is located near sensitive natural resources
  - Cedar Swamp ACEC
  - Sudbury River
  - Whitehall Brook
  - Surrounding wetlands and floodplains
- Permits
  - Issued during preliminary design
  - Require continued agency involvement as designs advance
  - Require construction and post-construction oversight

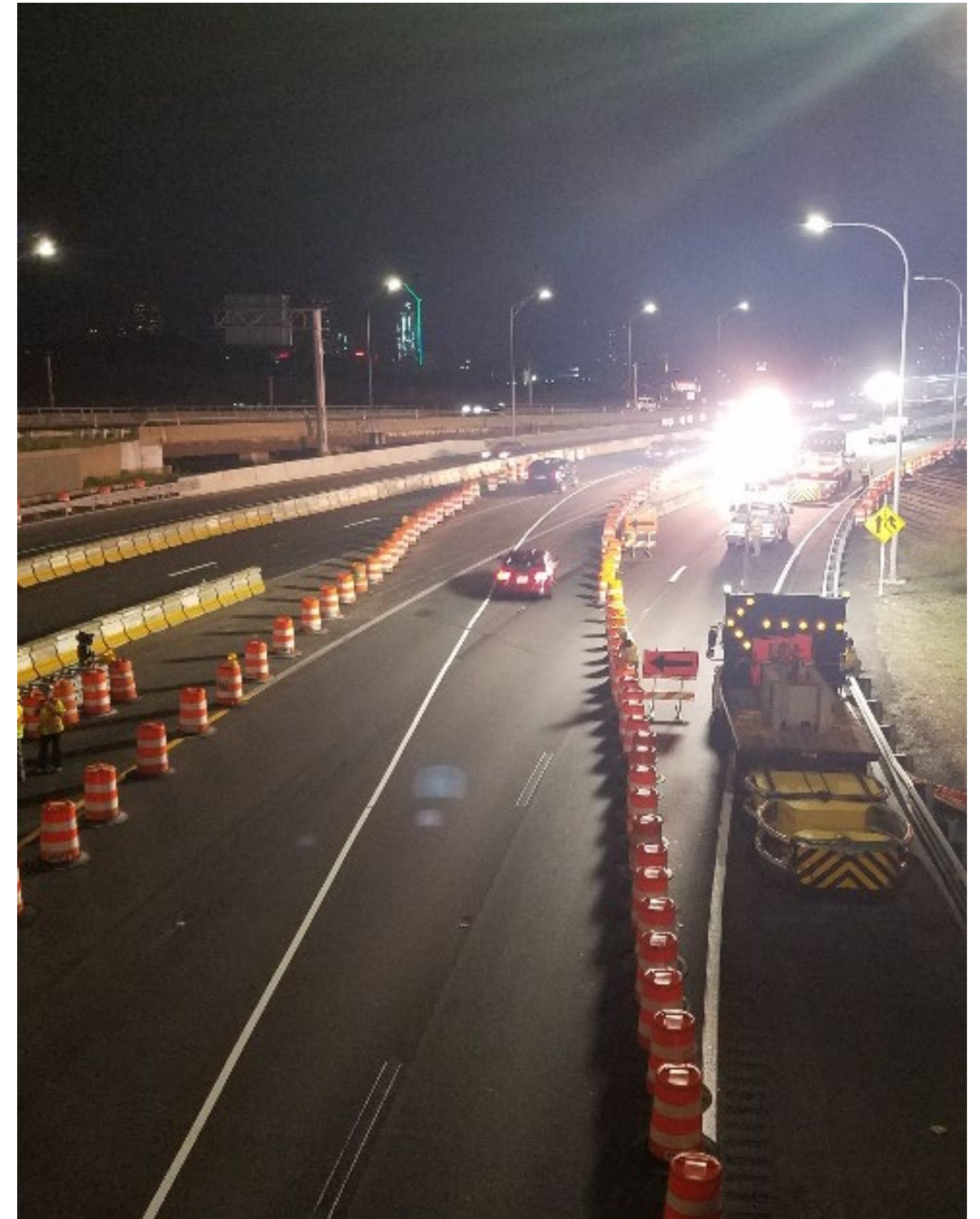




# Traffic & Staging Considerations

## I-90 & I-495

- **Maintain 3 lanes on mainlines, except for short-term closures during approved off-peak hours**
- **Maintain all ramp connections between I-90 and I-495, including along temporary alignments**
- Maintain proper signage and markings
- Provide temporary roadway lighting along ramps
- Provision of safe construction access/egress

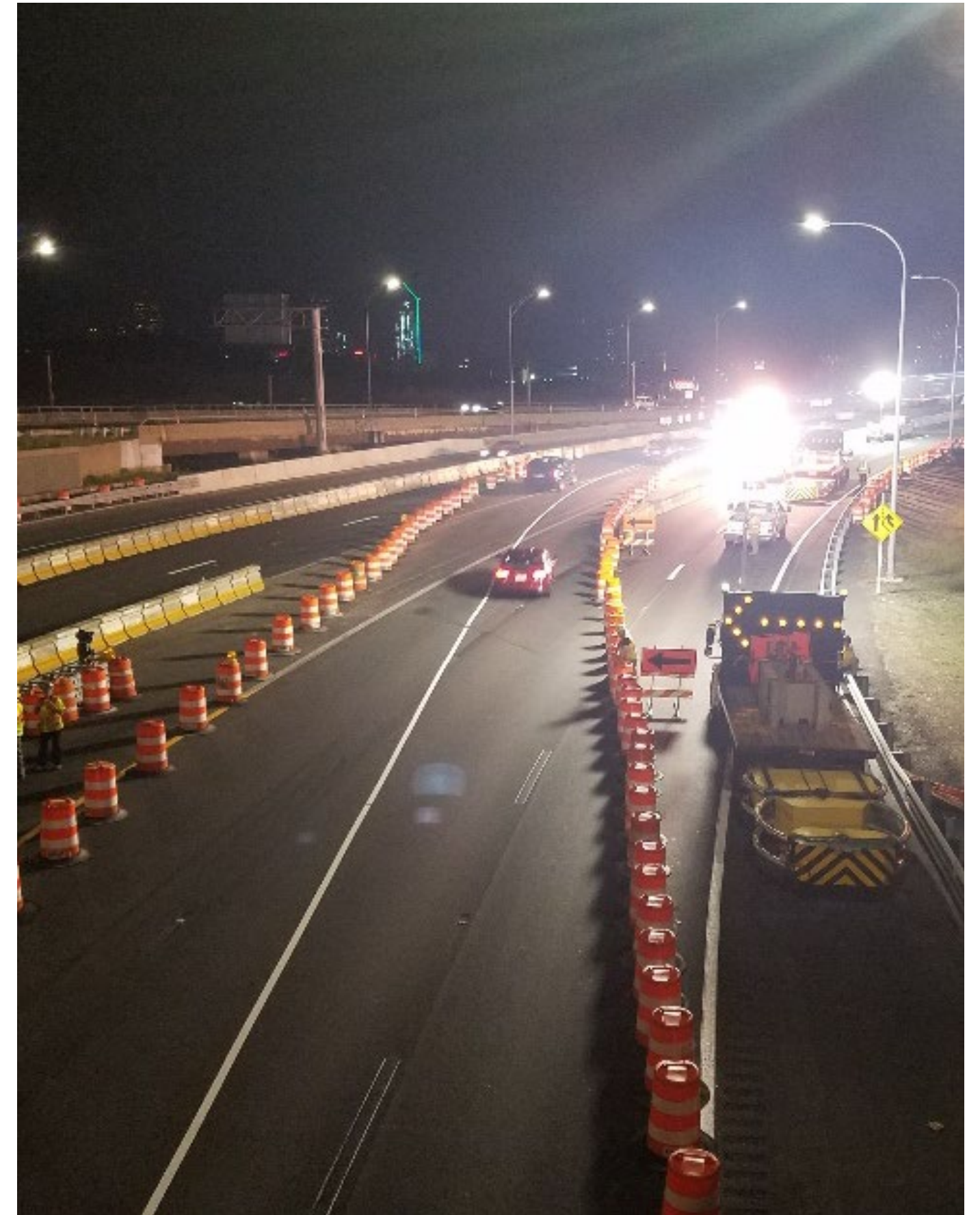




# Traffic & Staging Considerations (2)

## Local Roadways

- Maintain resident and local business access/egress
- *Fruit Street*—maintain 1-lane; 2-way alternating traffic with signal during bridge replacement
- *Flanders Road*—short-term lane closures to support bridge & utility work







I-90



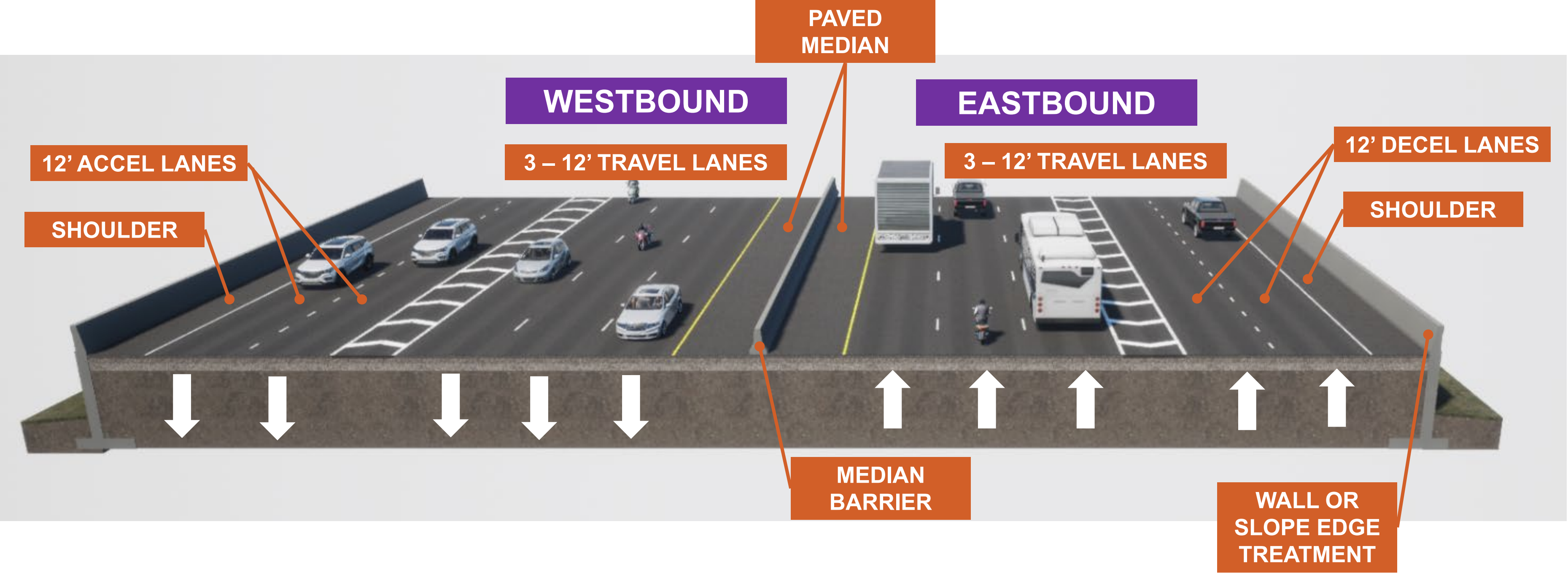
## I-90 Overview

- 3 lanes in each direction with minor widening
- Minimal changes to roadway profile and cross slope
- Bridge over MBTA/CSX/Amtrak to be replaced
- Fiber optic cables in median and EB shoulder to be relocated
- Culvert at Whitehall Brook to be replaced



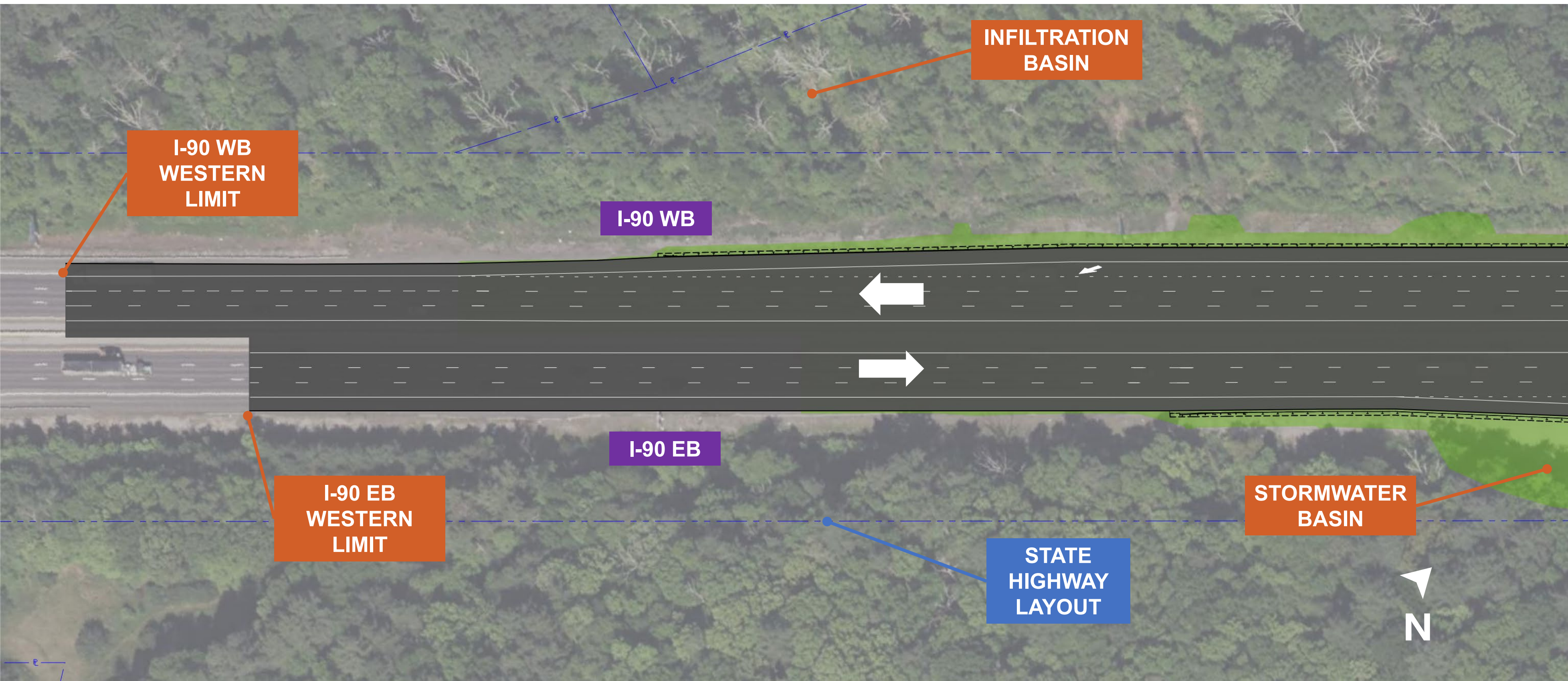


# Proposed I-90 Typical Section West of I-495 @ Ramps SW/NW & ES/SE



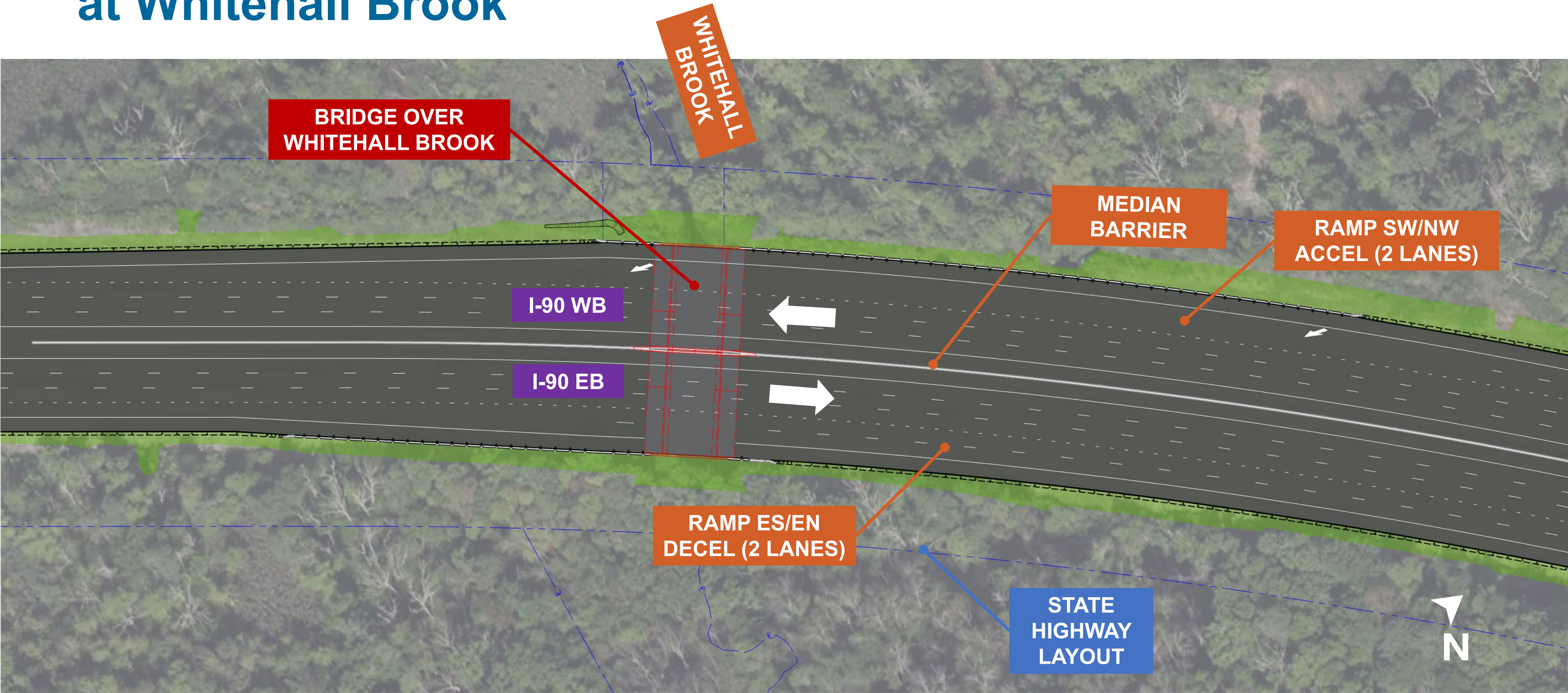


# Proposed I-90 Western Limits



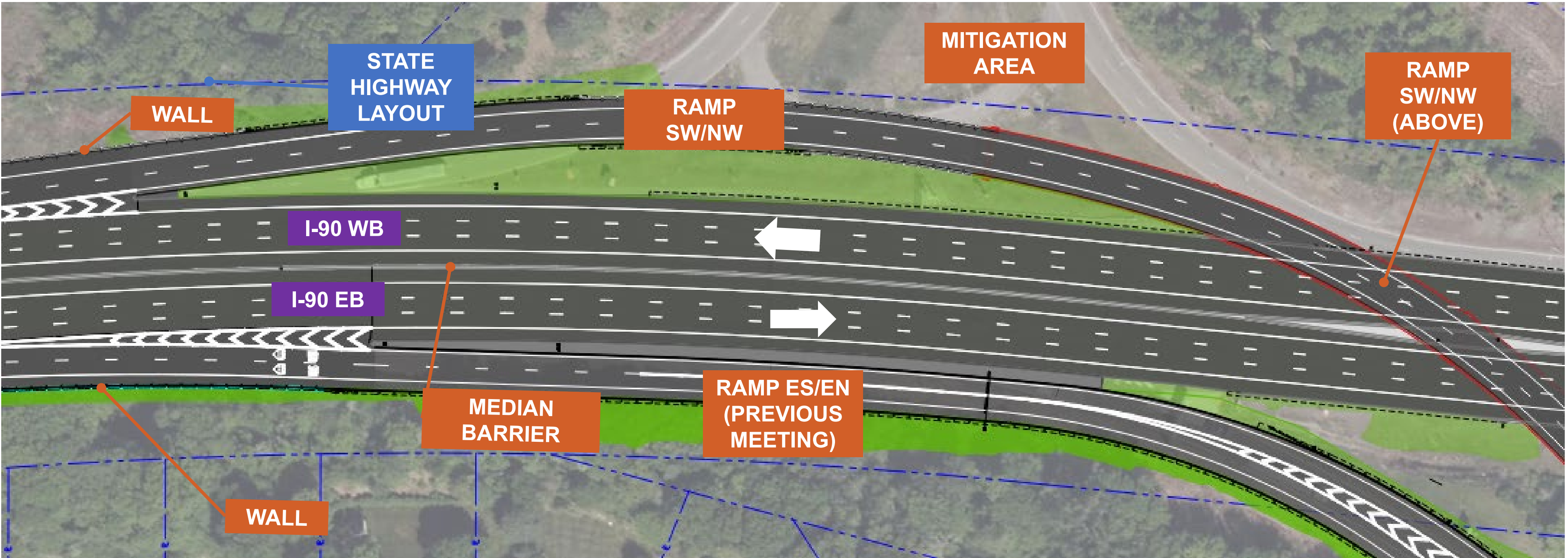


# Proposed I-90 at Whitehall Brook



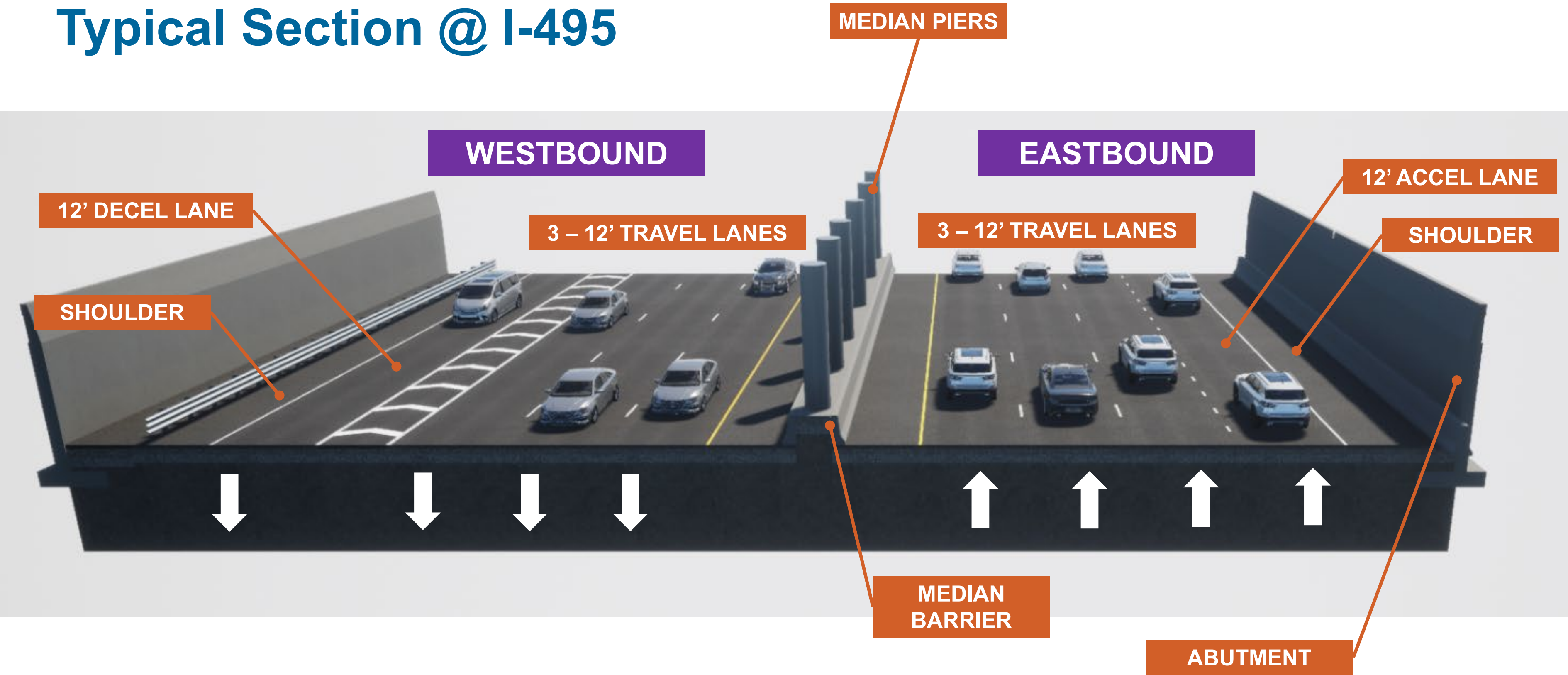


# Proposed I-90 at Ramp ES/EN and RAMP SW/NW



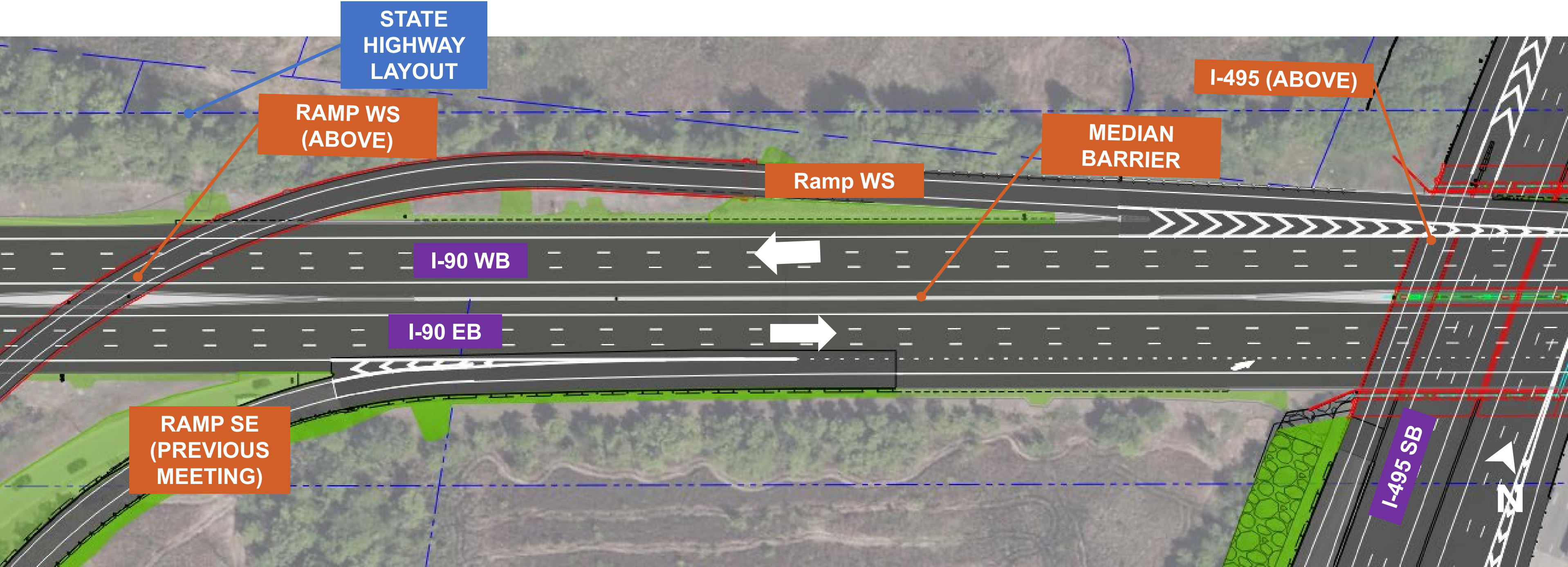


# Proposed I-90 Typical Section @ I-495



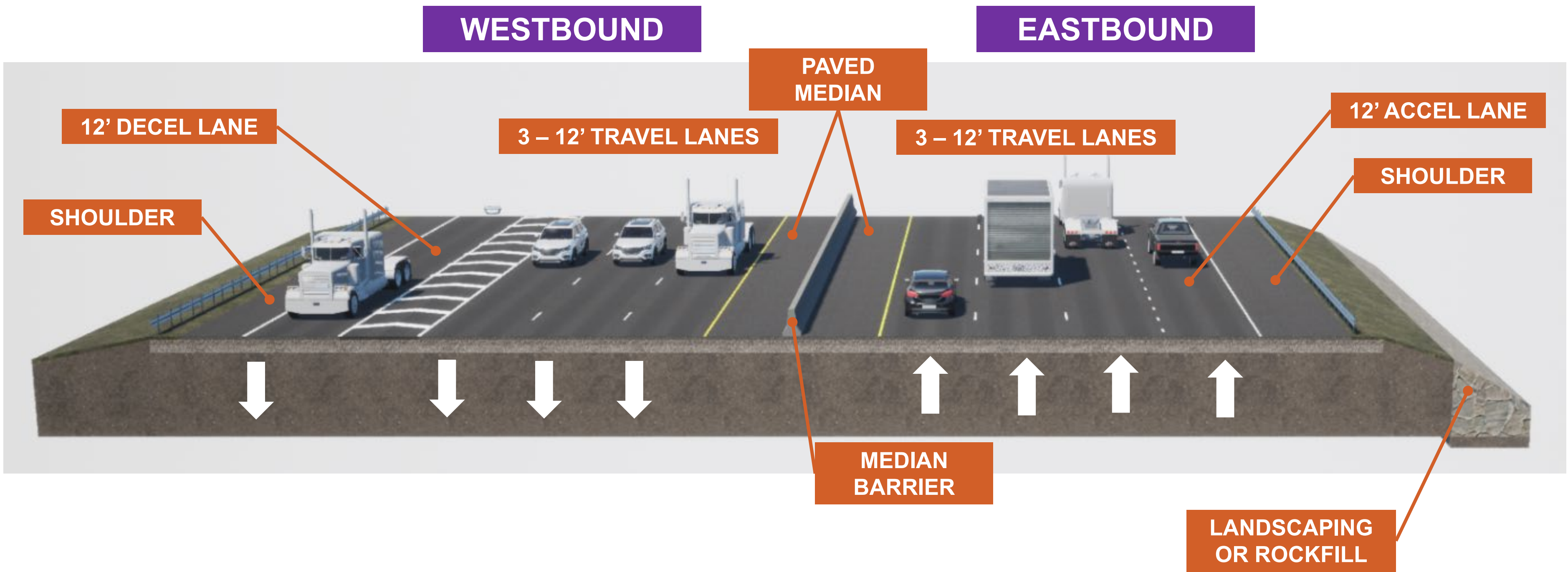


# Proposed I-90 at Ramp WS, Ramp SE and I-495



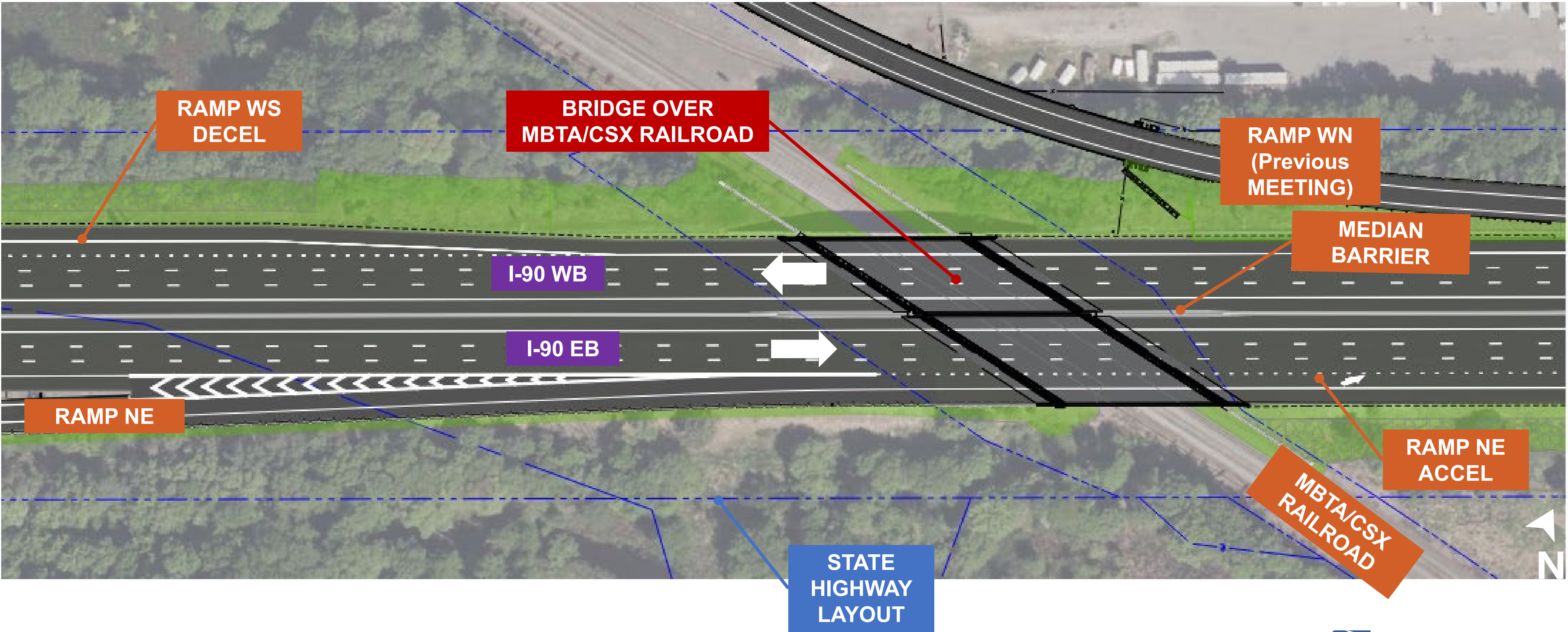


# Proposed I-90 Typical Section East of I-495 @ Ramps WN & NE



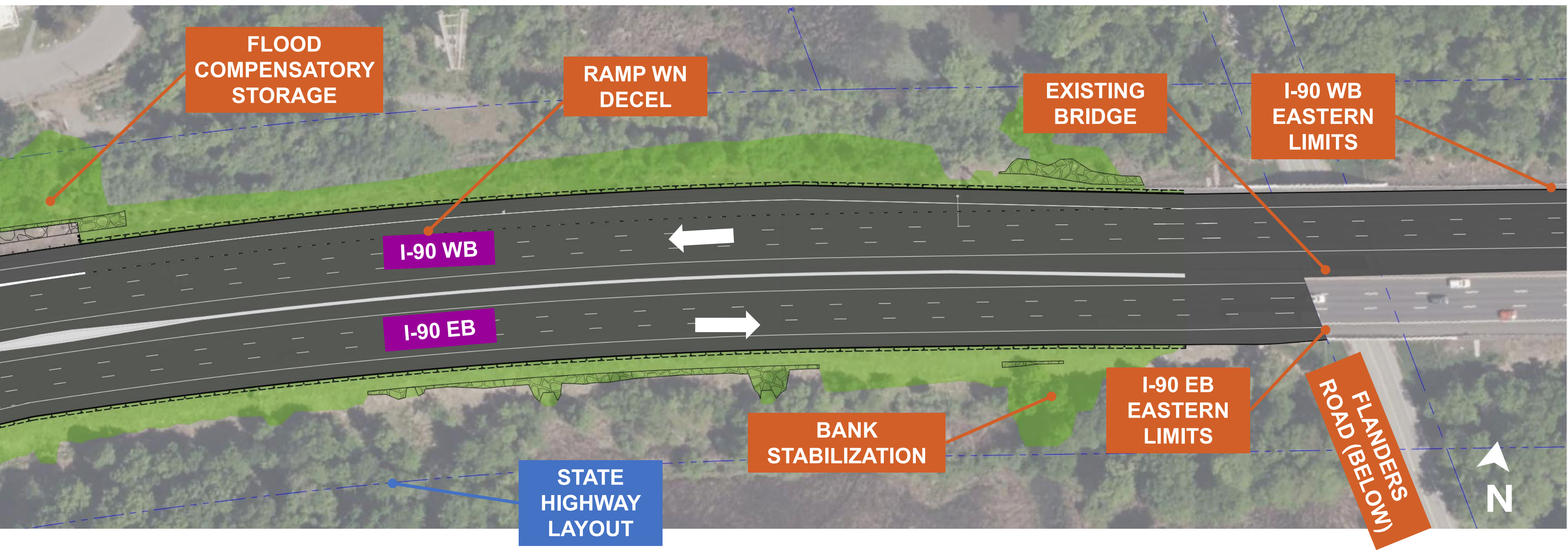


# Proposed I-90 at Ramp NE and Railroad





# Proposed I-90 at Flanders Road (Eastern Limits)





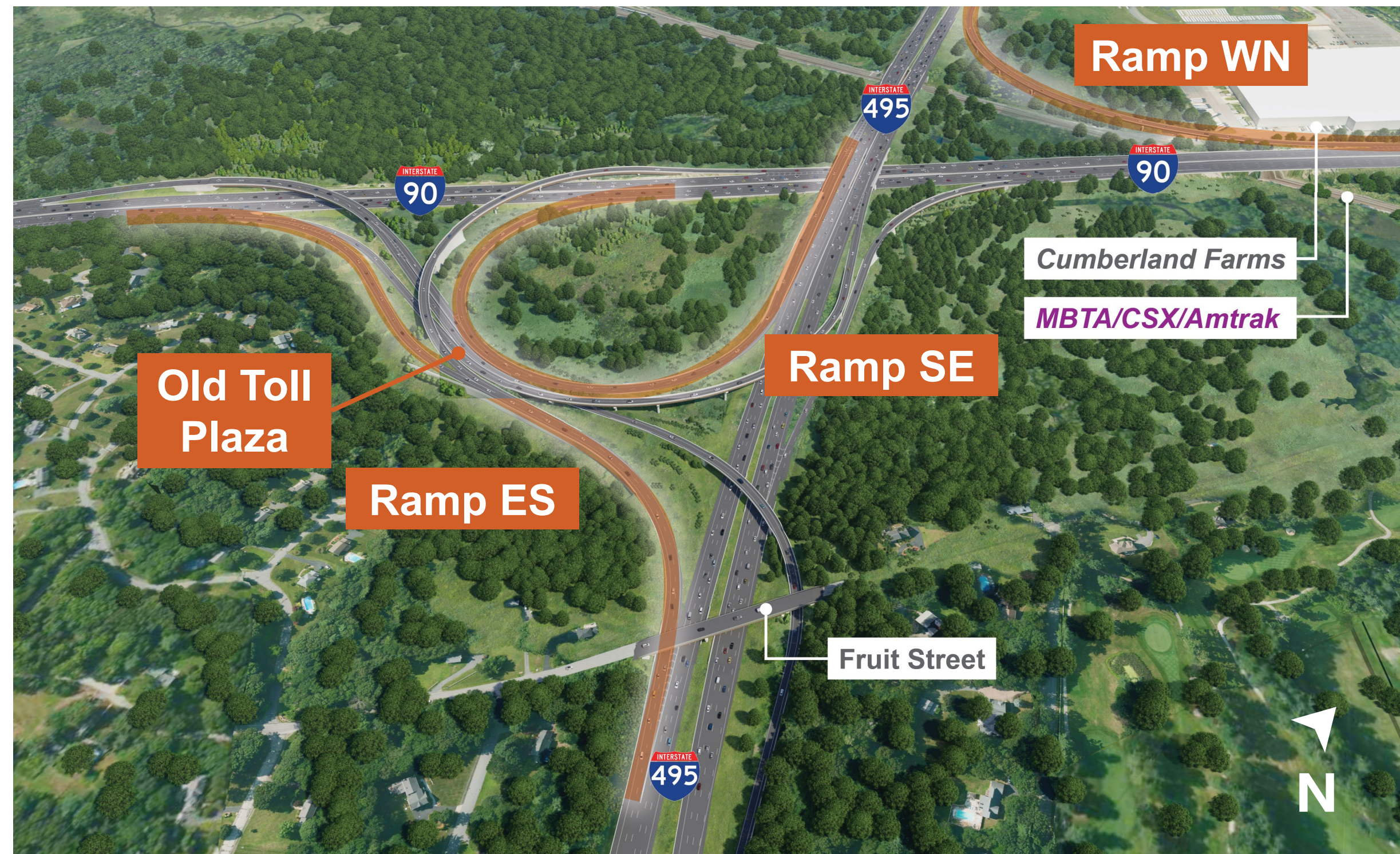


**Remaining  
Ramps  
(NW, NE, WS,  
SW & EN)**



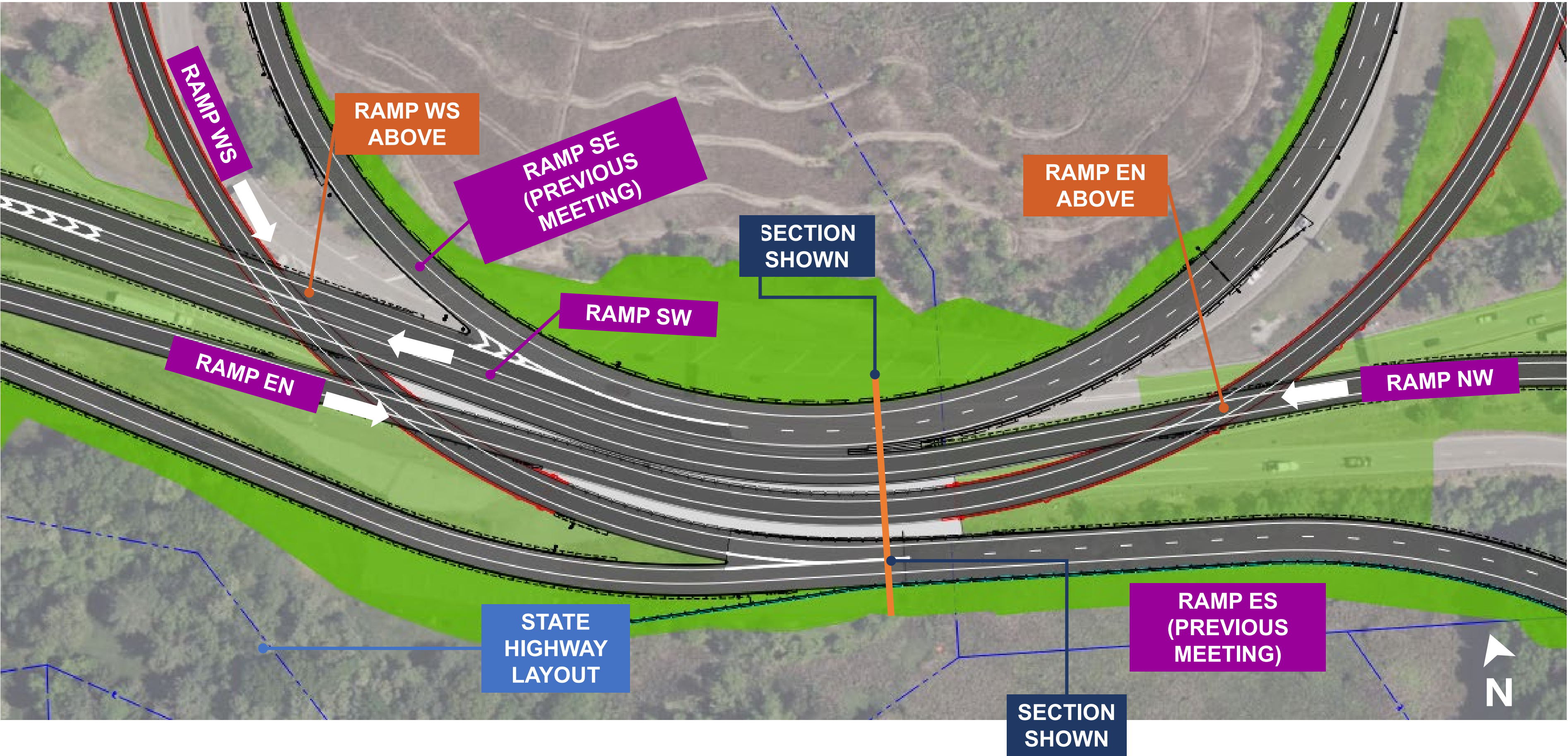
## Previously Discussed

- Ramp ES
- Ramp SE
- Ramp WN



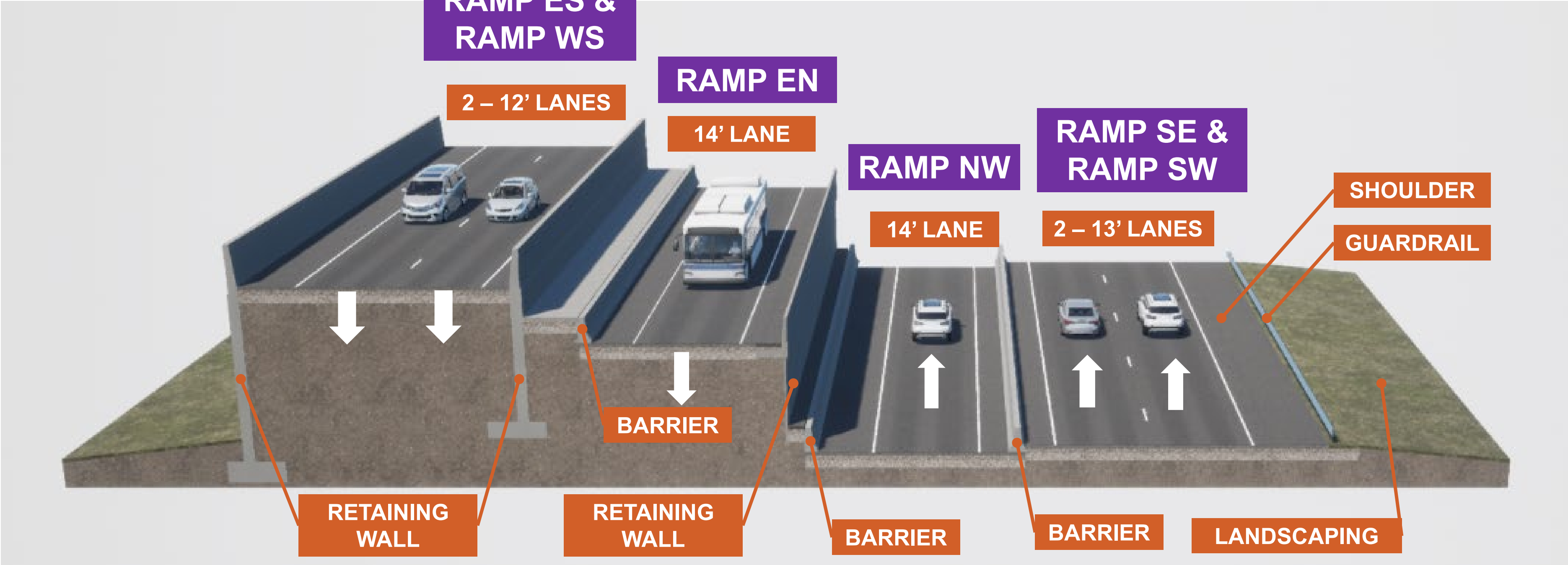


# Old Toll Plaza





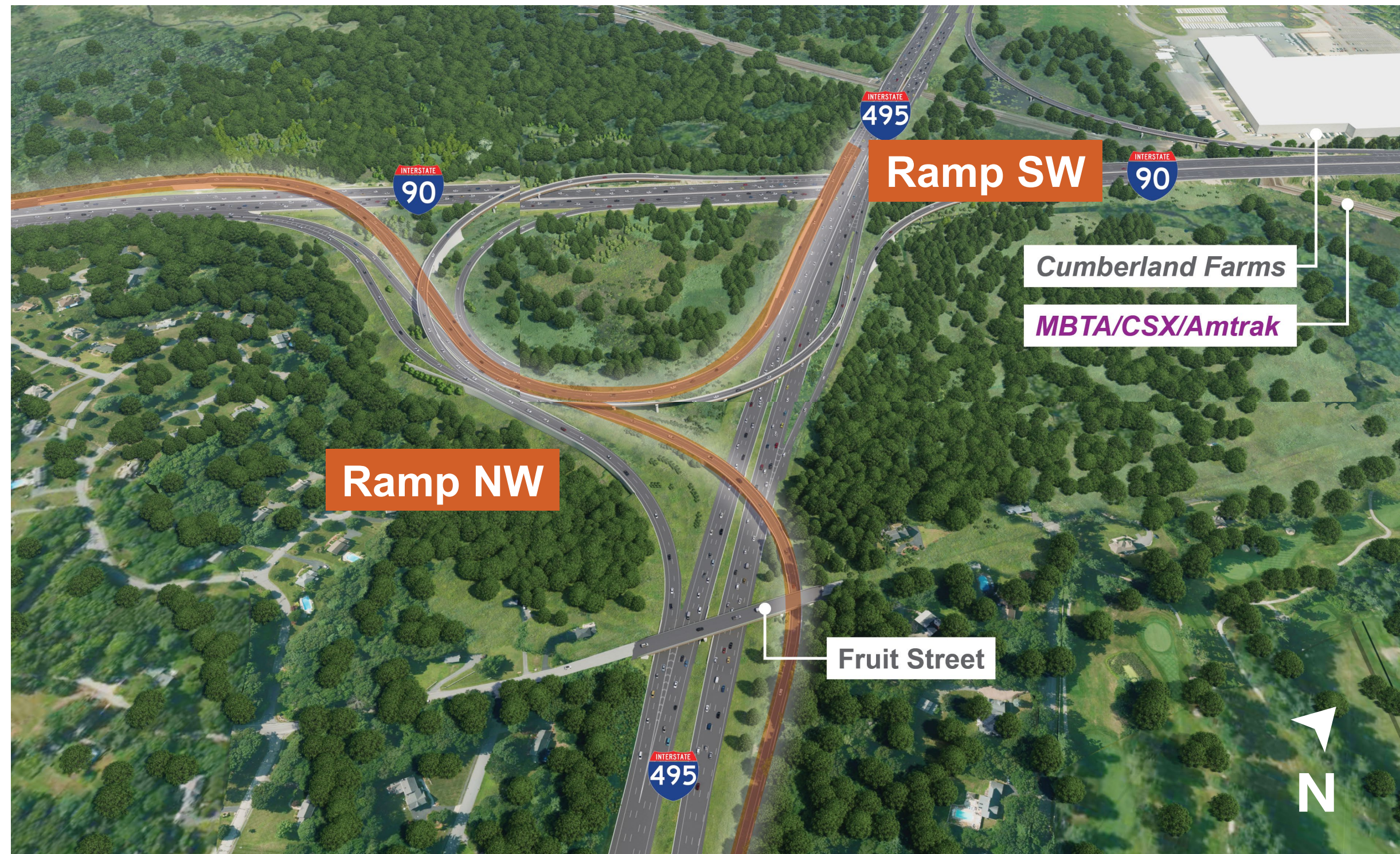
# Old Toll Plaza Typical Section





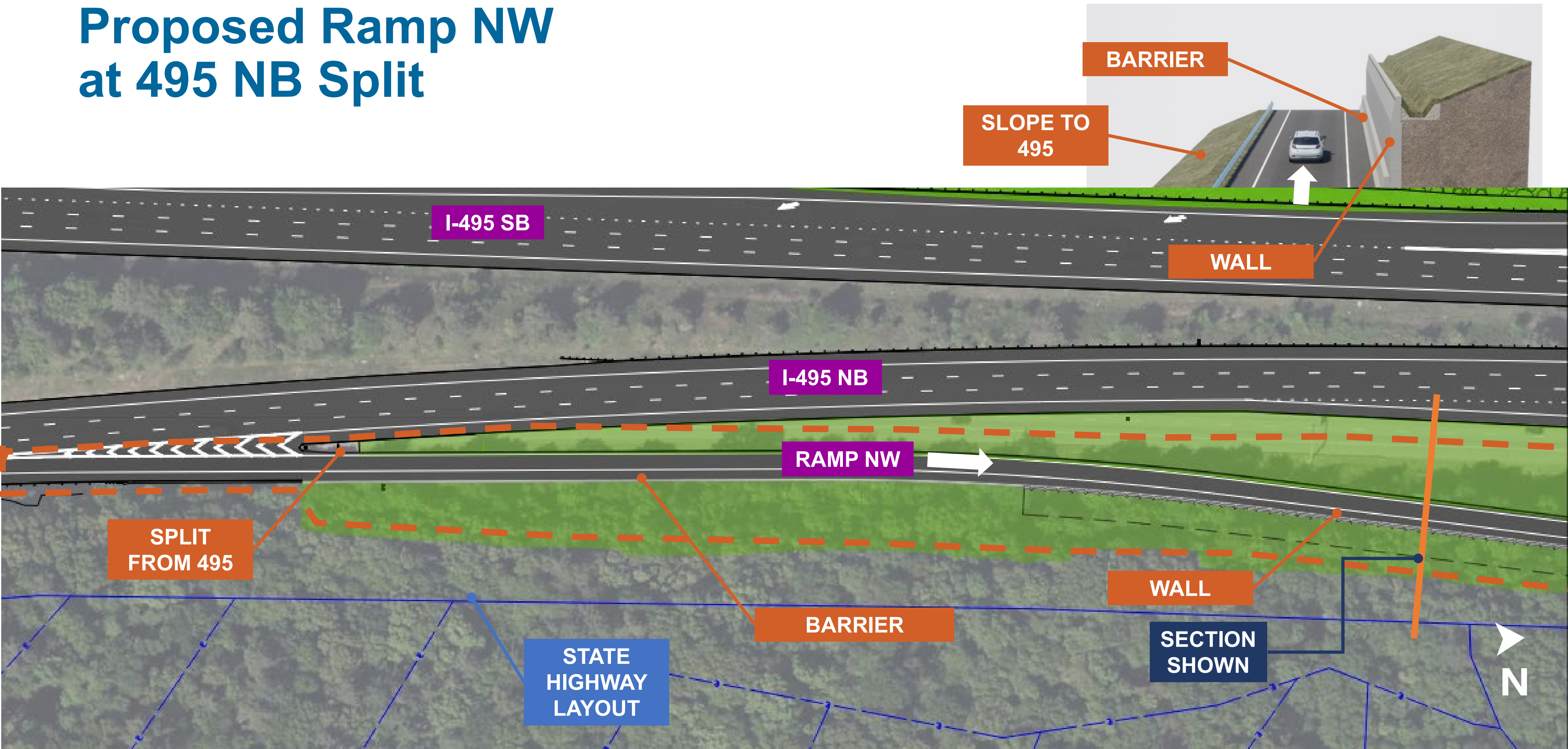
## Ramp NW & Ramp SW

- Ramp NW
  - New semi-direct ramp provided between I-495 NB and I-90 WB
  - Single lane off-ramp
  - Combines with Ramp SW to provide a 2-lane on-ramp to I-90 WB
- Ramp SW
  - New semi-direct ramp from I-495 SB to I-90 WB
  - Part of a 2-lane off-ramp (splits to Ramp SW and Ramp SE)
  - Combines with Ramp NW to provide a 2-lane on-ramp to I-90 WB



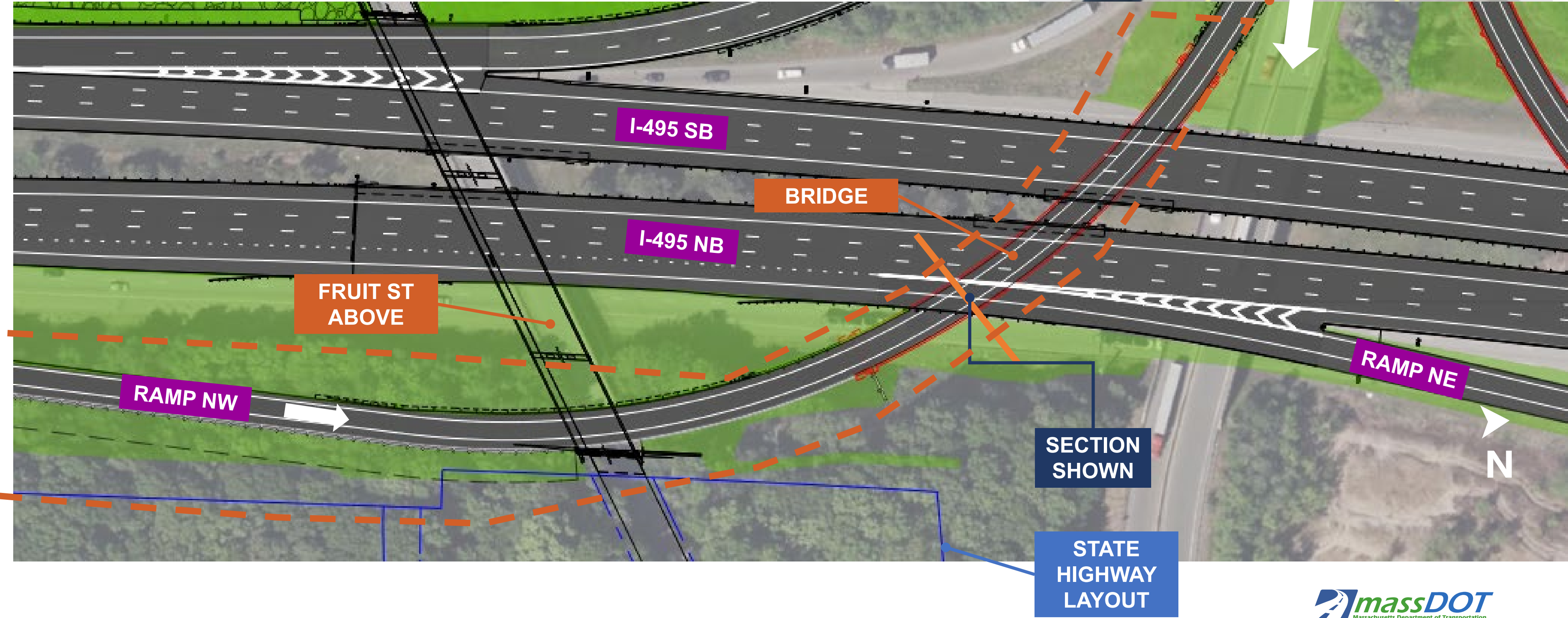


# Proposed Ramp NW at 495 NB Split



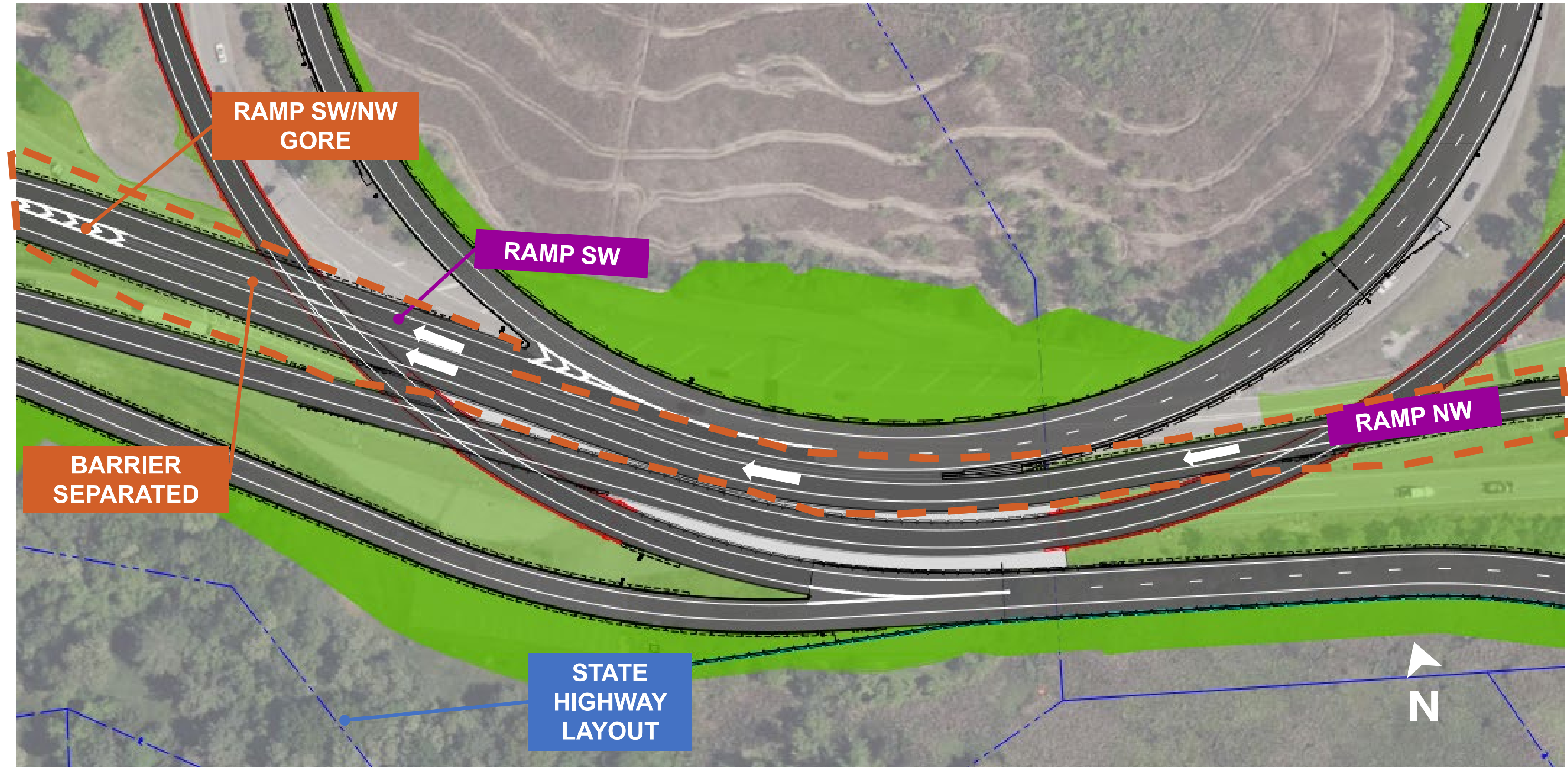


# Proposed Ramp NW at Fruit St and Over 495



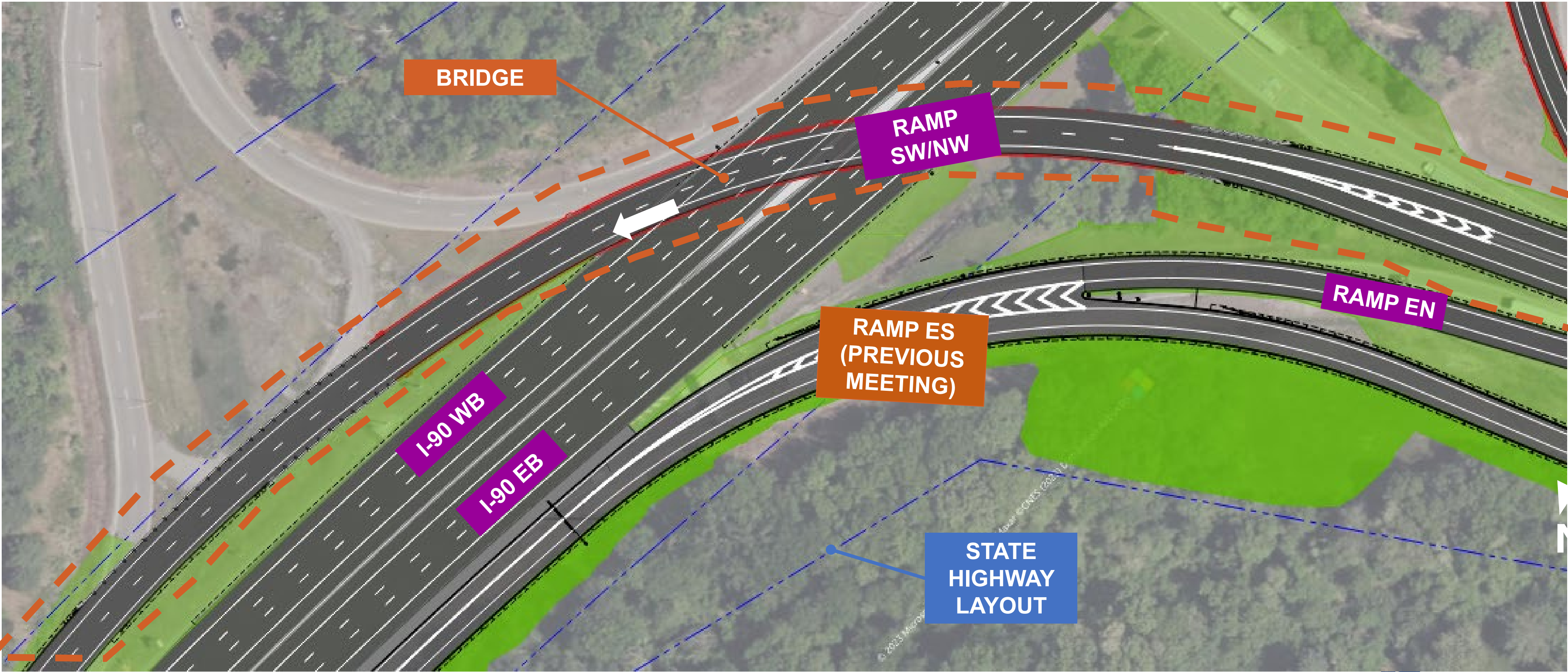


# Proposed Ramp NW at Ramp SW



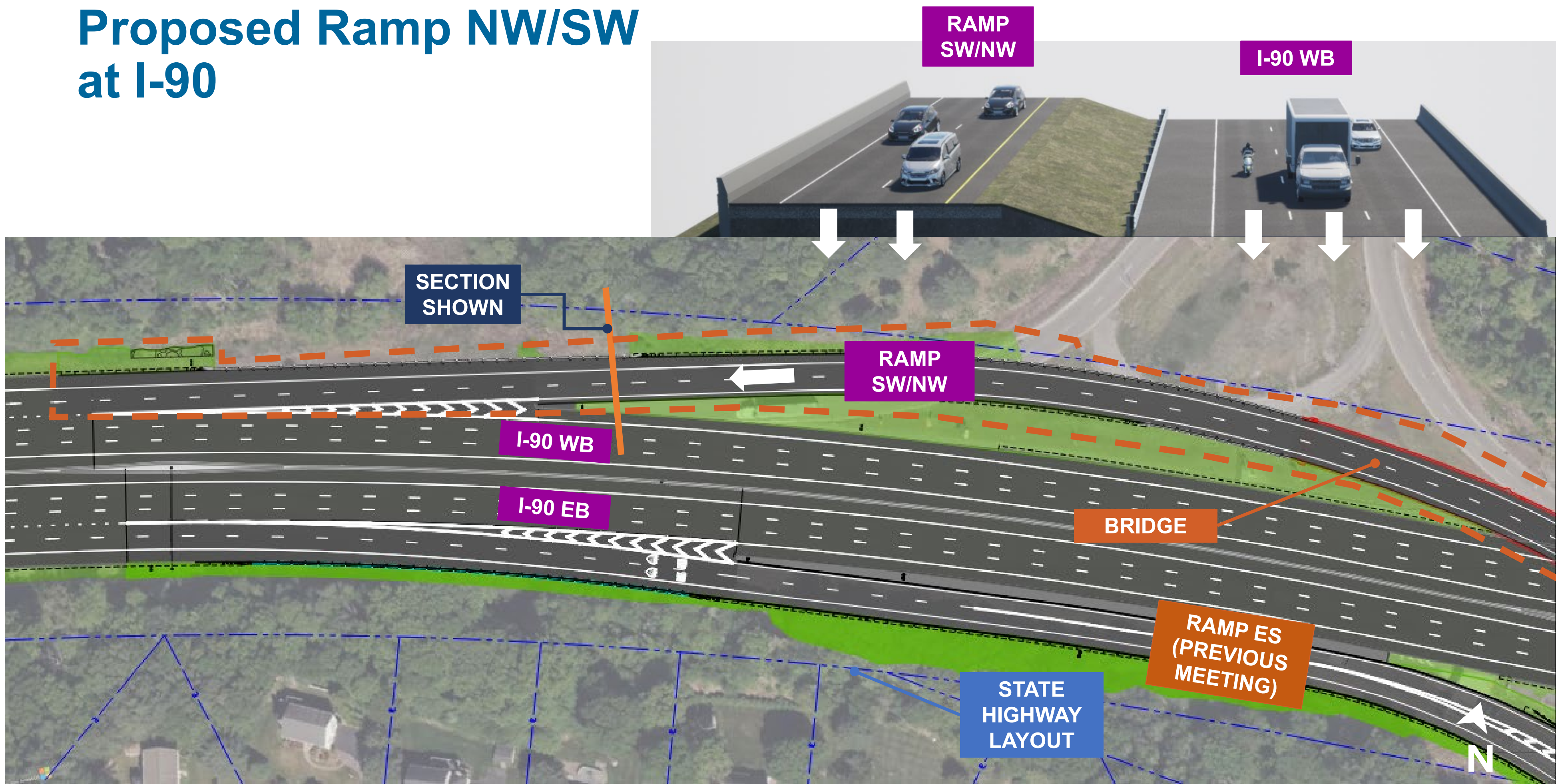


# Proposed Ramp NW/SW Over I-90





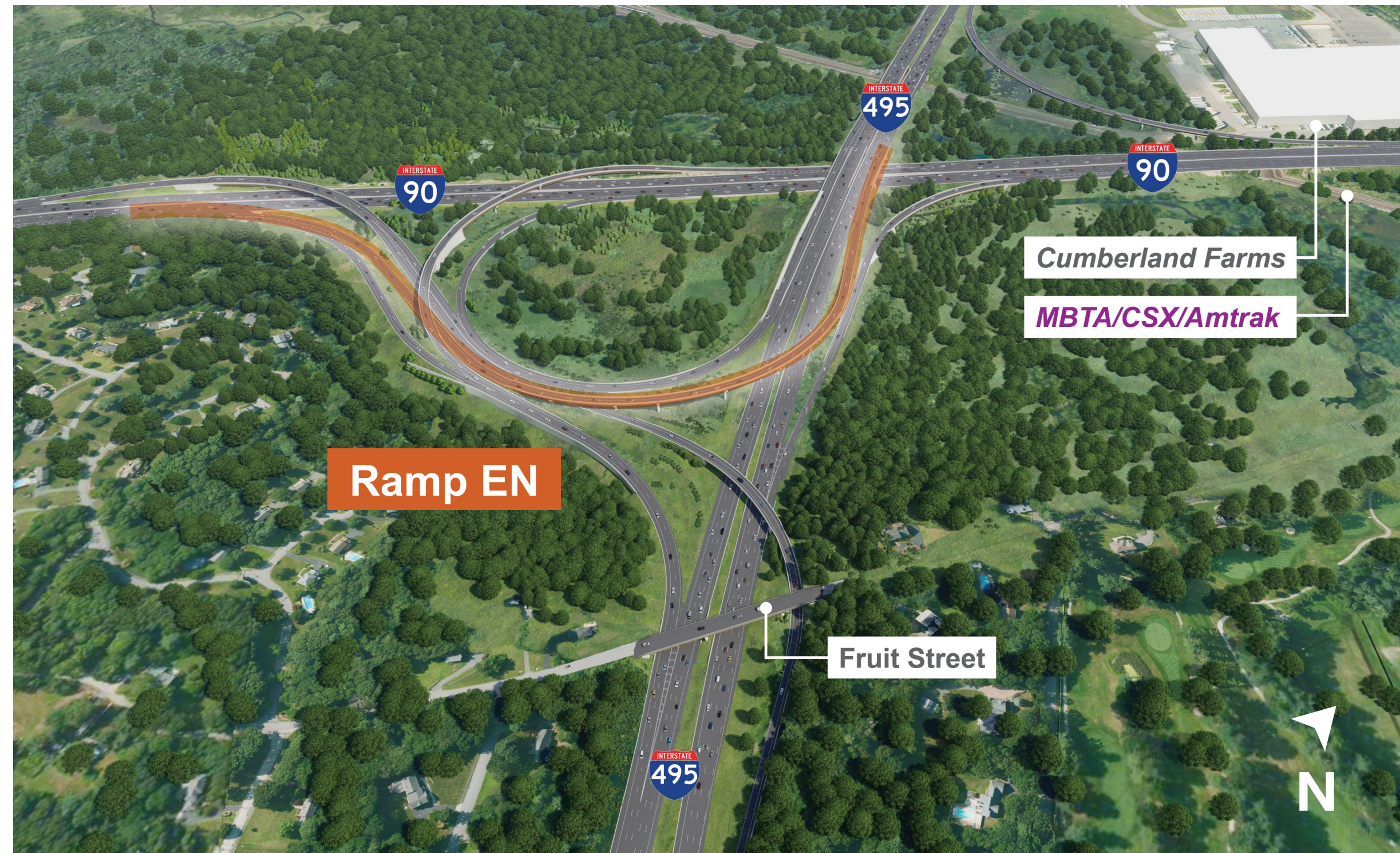
# Proposed Ramp NW/SW at I-90





## Ramp EN

- New semi-direct ramp provided between I-90 EB and I-495 NB
- Part of a 2-lane off-ramp (splits to Ramp EN and Ramp ES)
- Enters I-495 NB as a single lane on-ramp on the I-495 NB bridge over I-90





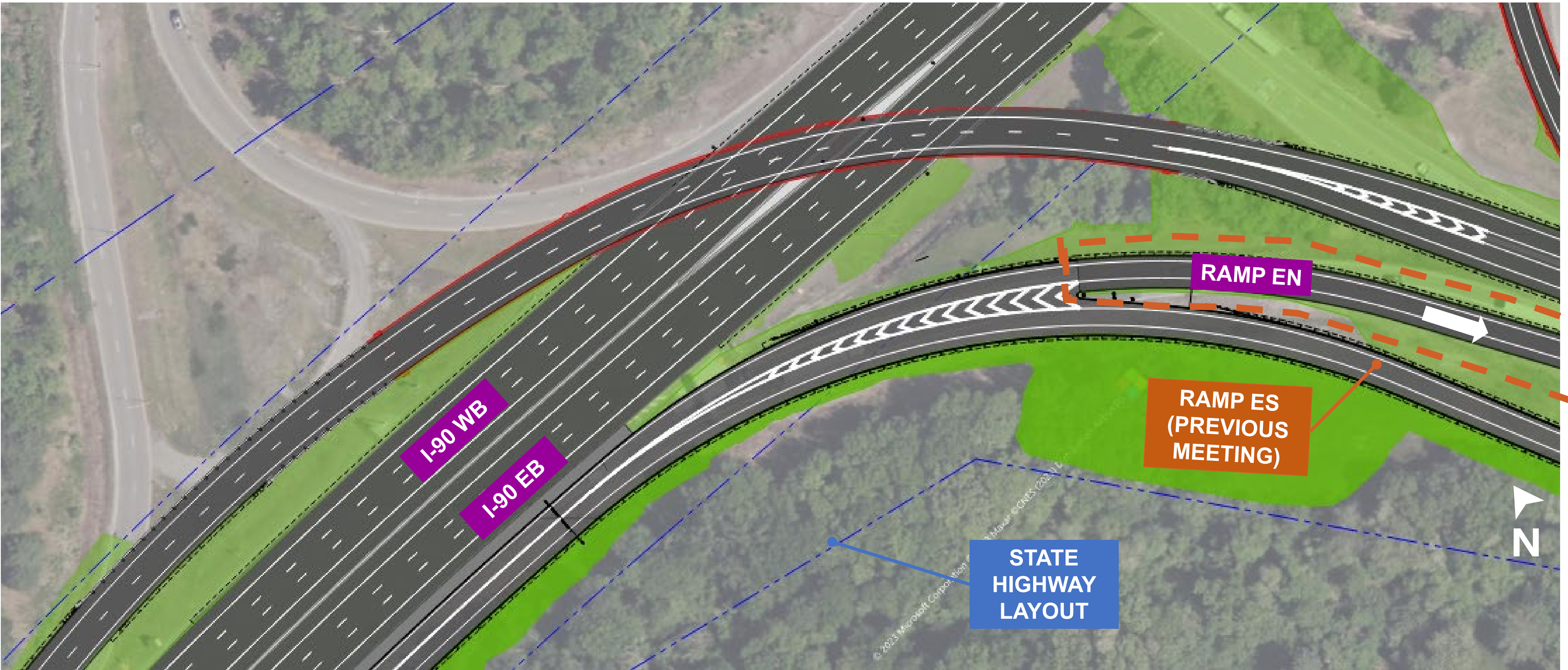
## Ramp NE

- New direct ramp from I-495 NB to I-90 EB
- Single lane ramp
- Enters I-90 EB as a single lane on-ramp on the I-90 EB over the MBTA/CSX/Amtrak bridge



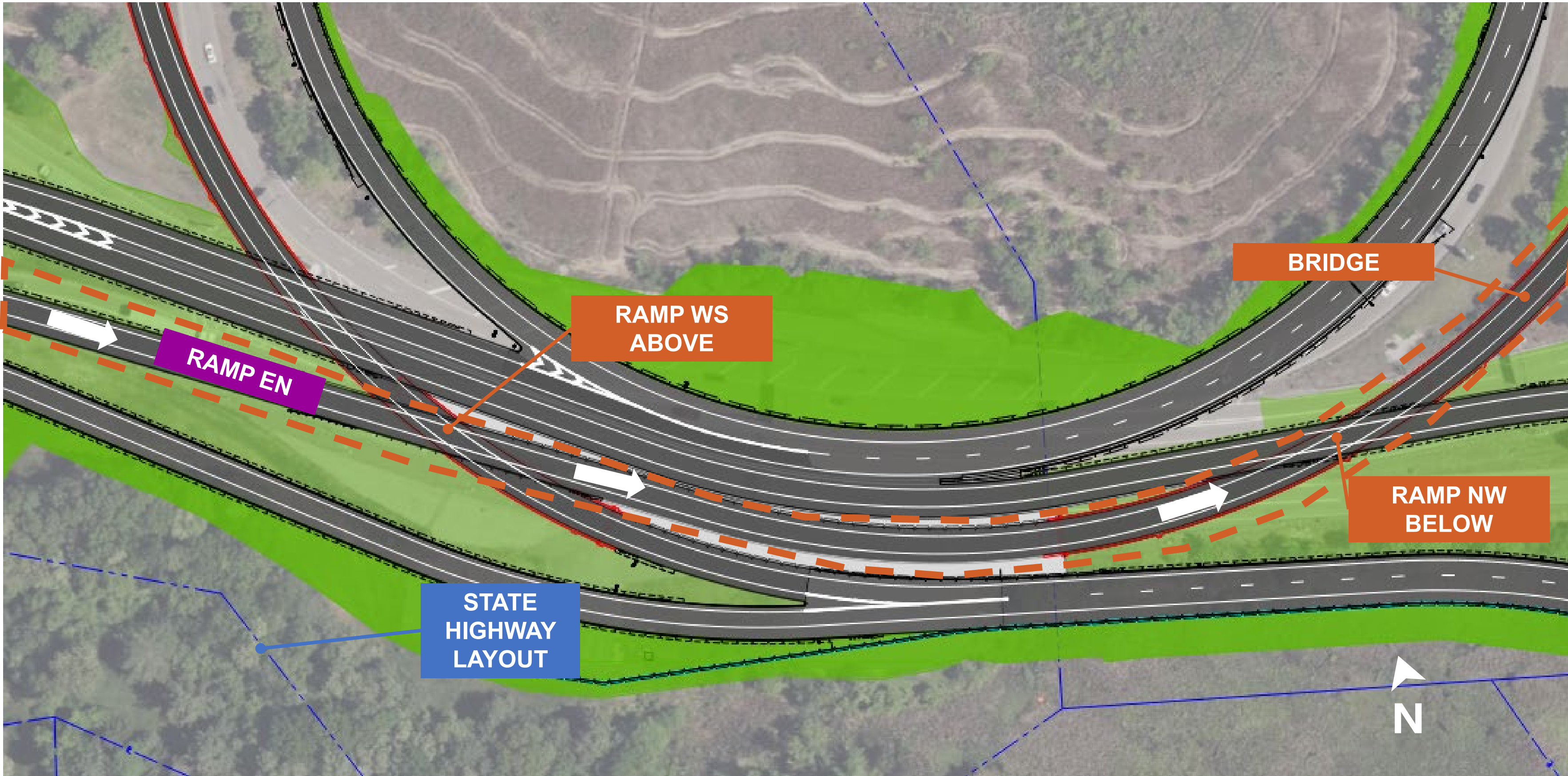


# Ramp EN at Ramp ES Split



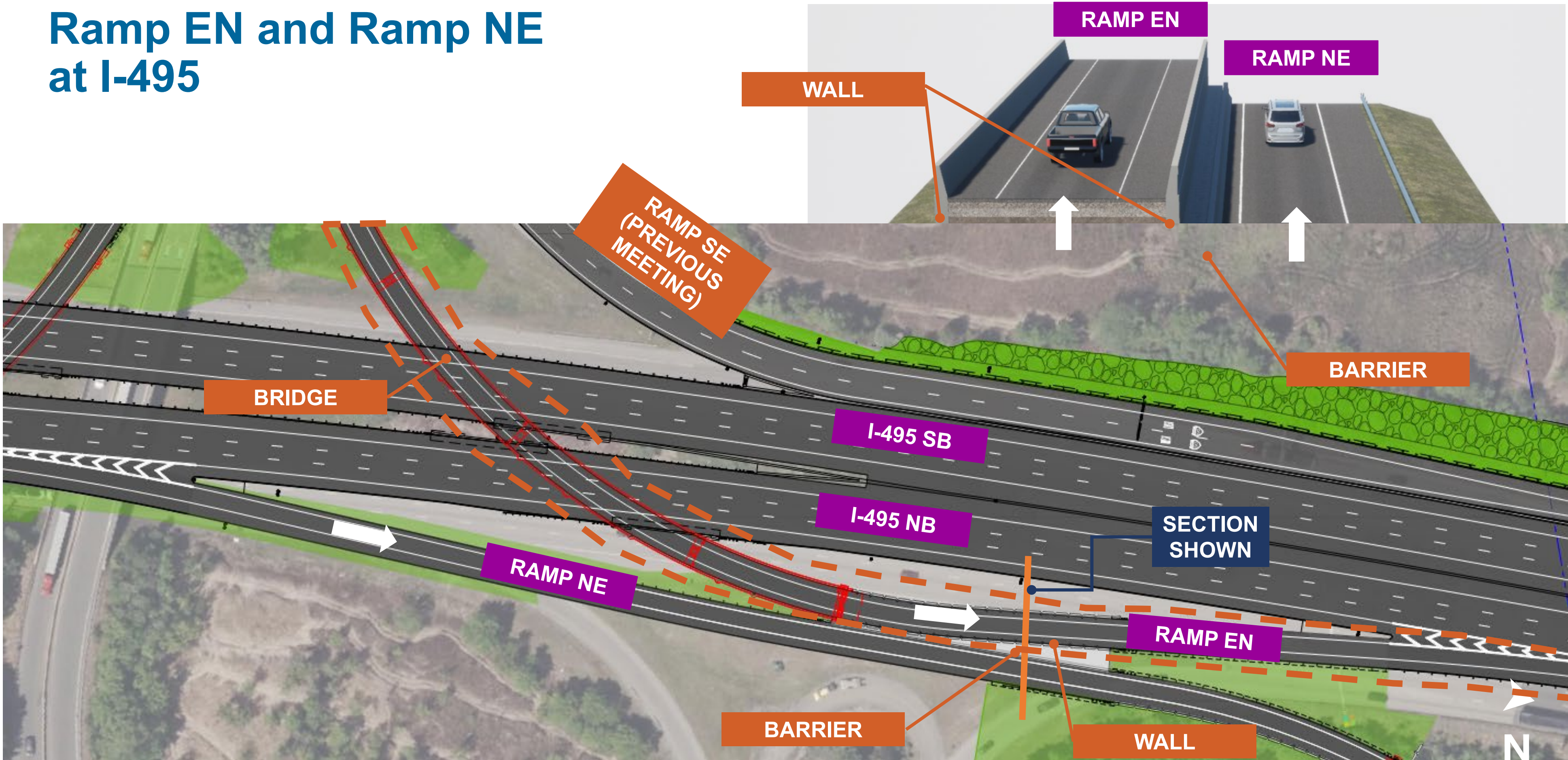


# Ramp EN at Old Toll Plaza



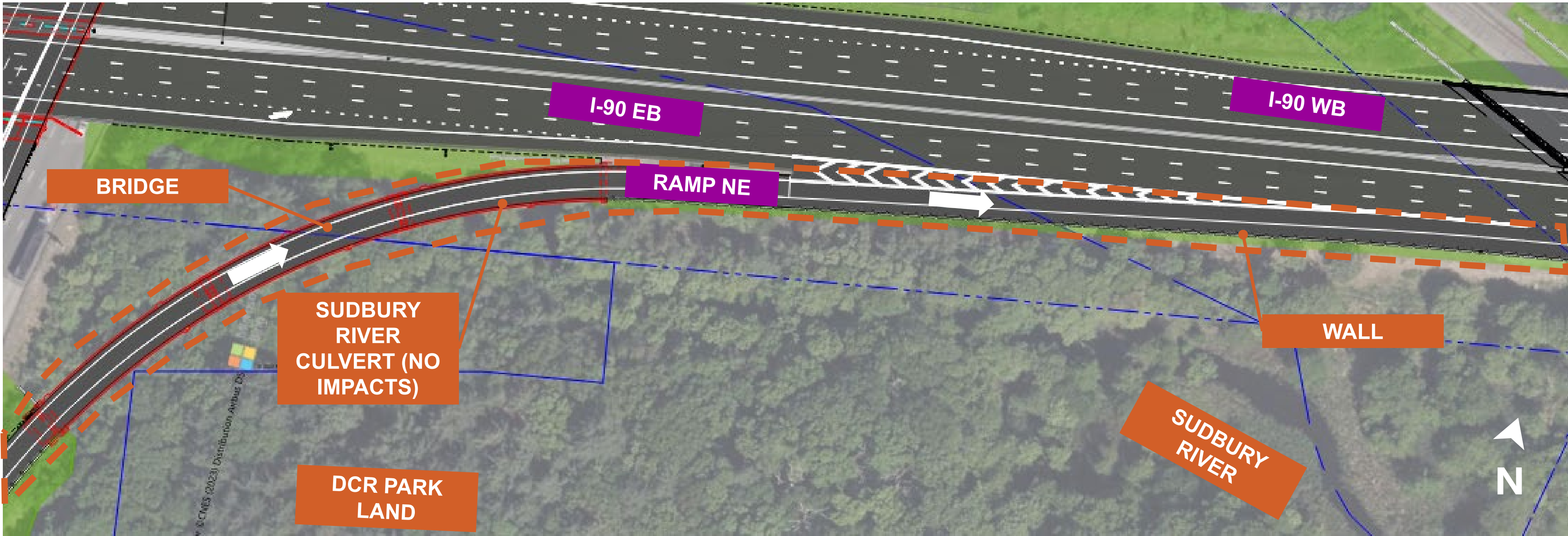


# Ramp EN and Ramp NE at I-495





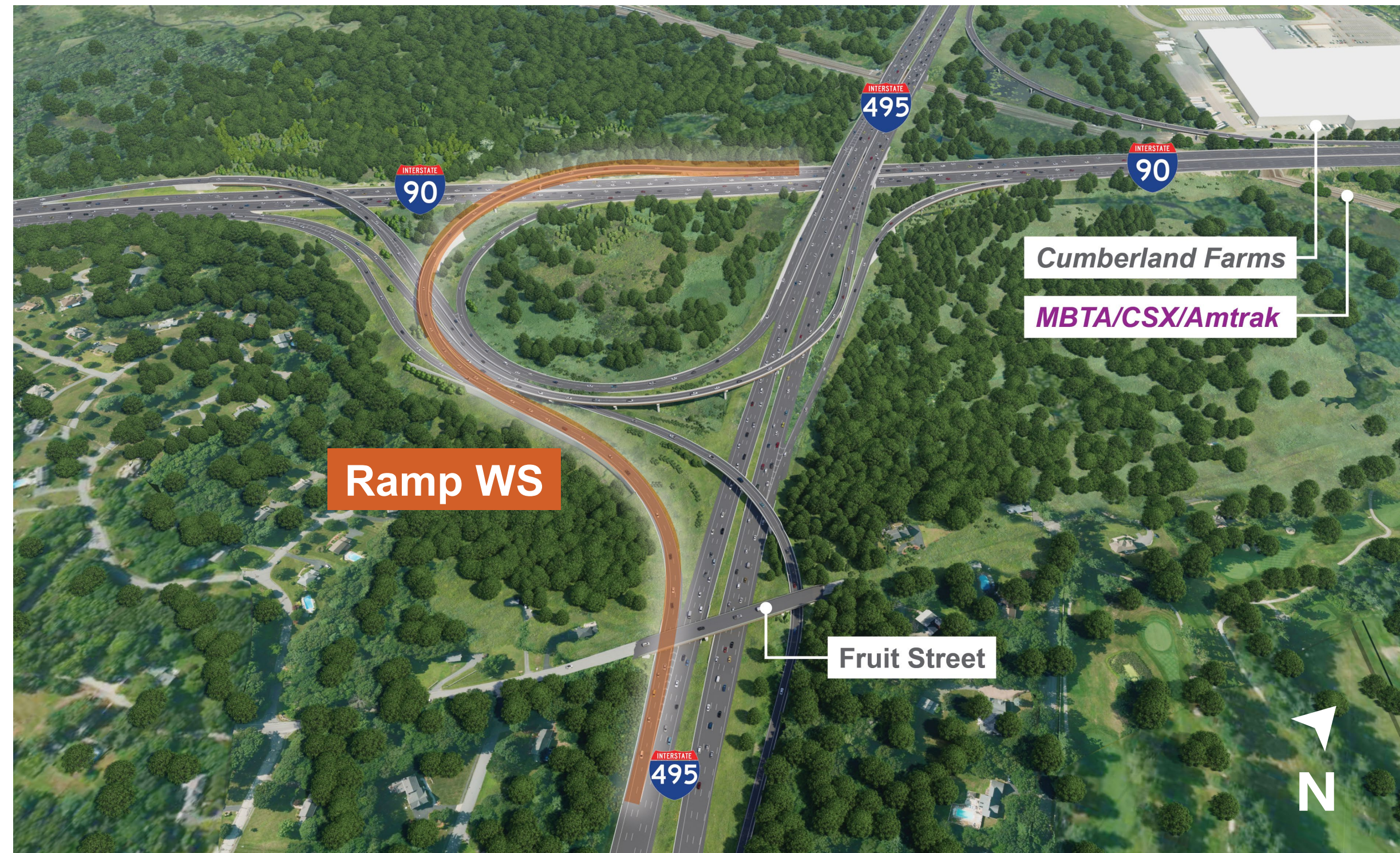
# Ramp NE at I-90





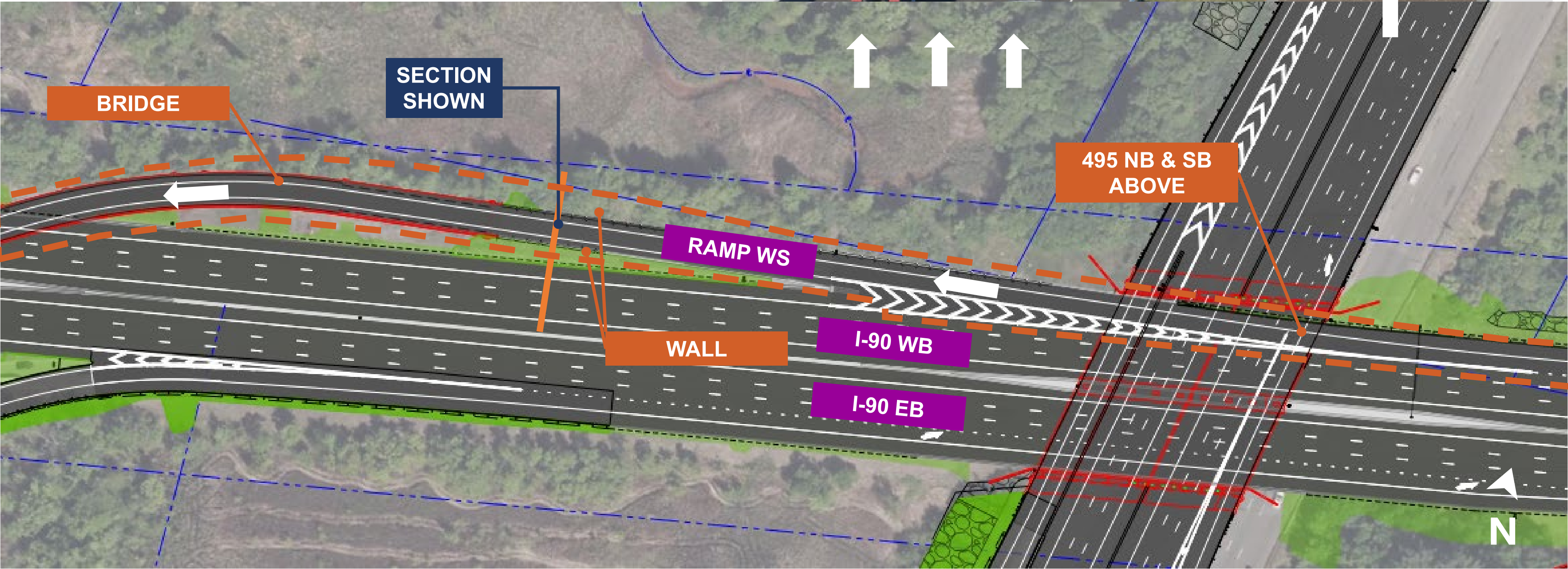
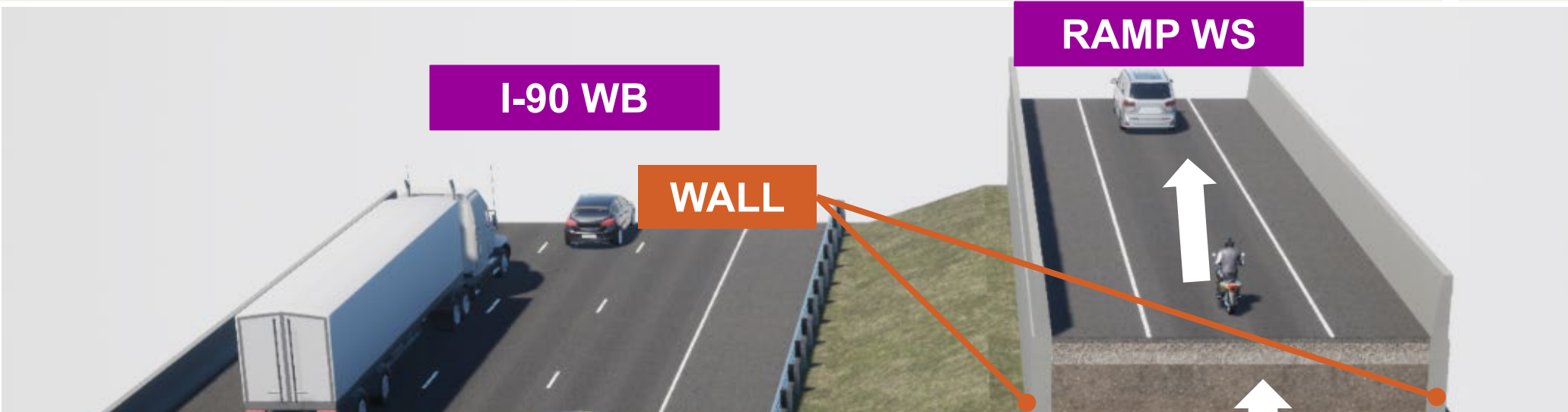
## Ramp WS

- New semi-direct ramp provided between I-90 WB and I-495 SB
- Single lane off-ramp
- Combines with new Ramp ES to provide 2-lane on-ramp to I-495 SB



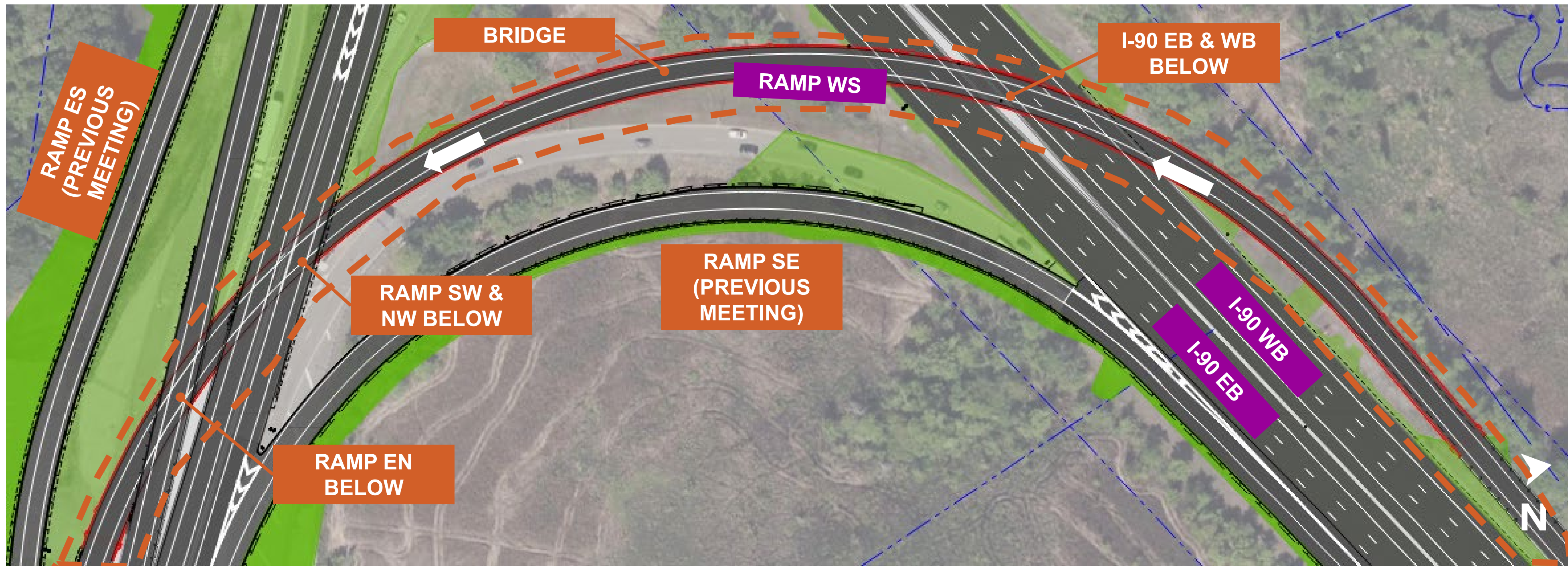


# Ramp WS at I-90



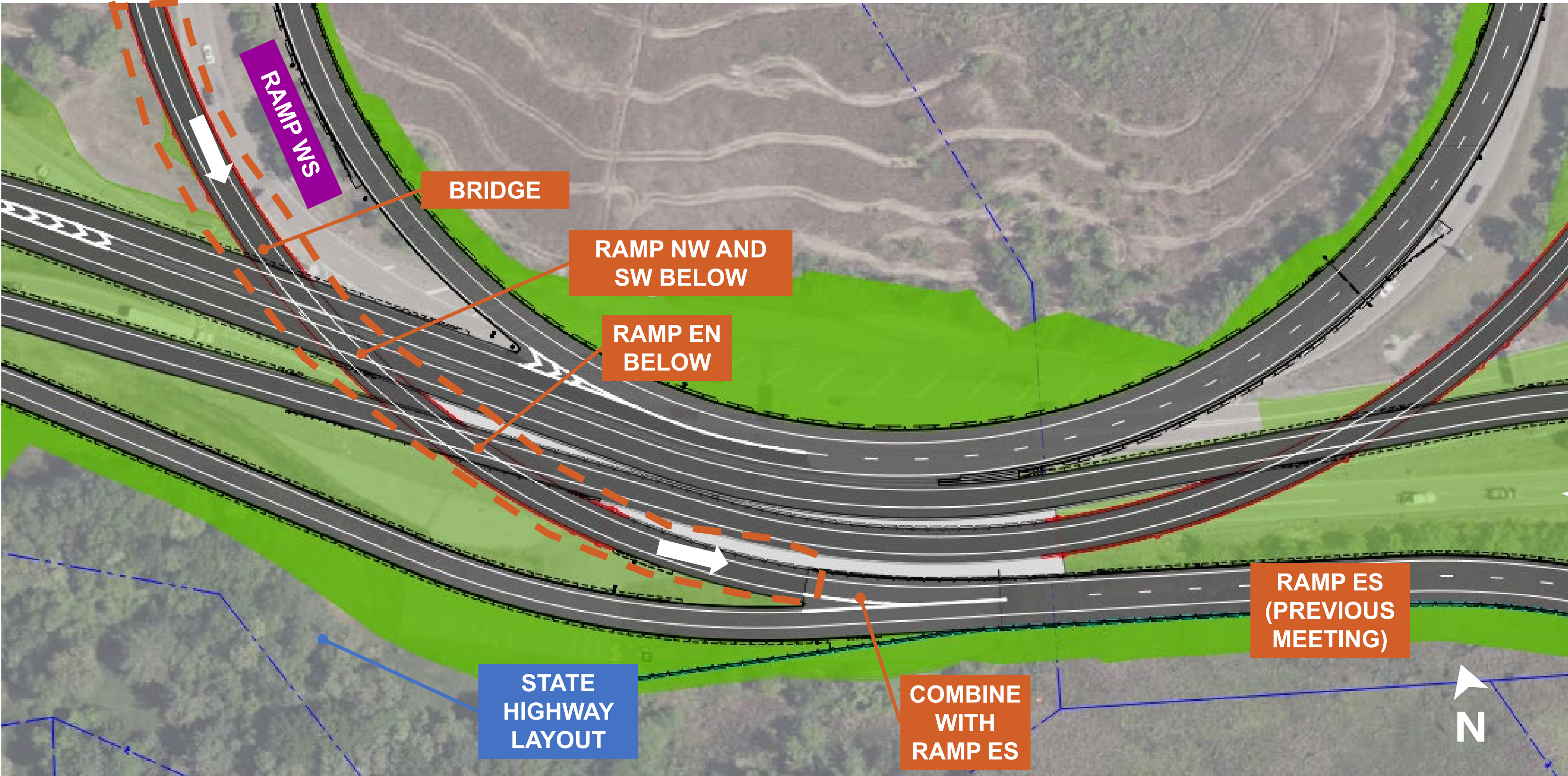


# Ramp WS over I-90





# Ramp WS at Old Toll Plaza







# Outreach and Communication Plan



# Public Outreach Schedule

Task	Date	Details
Legislative Briefing	October 26, 2022	Completed
495 Partnership Meeting	November 3, 2022	Completed
Public Meeting	November 16, 2022	Completed
Hopkinton North Woods Coalition Neighborhood Meeting	January 10, 2023	Completed
75% Design—Fruit Street/ Ramps ES, SE	January 25, 2023	Completed
75% Design—I-495 & Ramp WN	April 26, 2023	Completed
Stakeholder Database	October 2022	Ongoing—to be updated continually throughout project—announced project to 1,200 property owners and invited them to sign up for emails
Project Emails	<ul style="list-style-type: none"><li>• November 2022</li><li>• December 2022</li><li>• January 2023</li><li>• Continuing monthly or as-needed</li></ul>	Emails will announce new construction information and future meetings
Project Website	<ul style="list-style-type: none"><li>• Regular updates</li></ul>	Ongoing—to be updated continually throughout project



# Stay Connected

## Staying Connected

- Project website—updated regularly with construction and traffic information
- **Please join our mailing list! You can sign up on the project website.**

## Project website

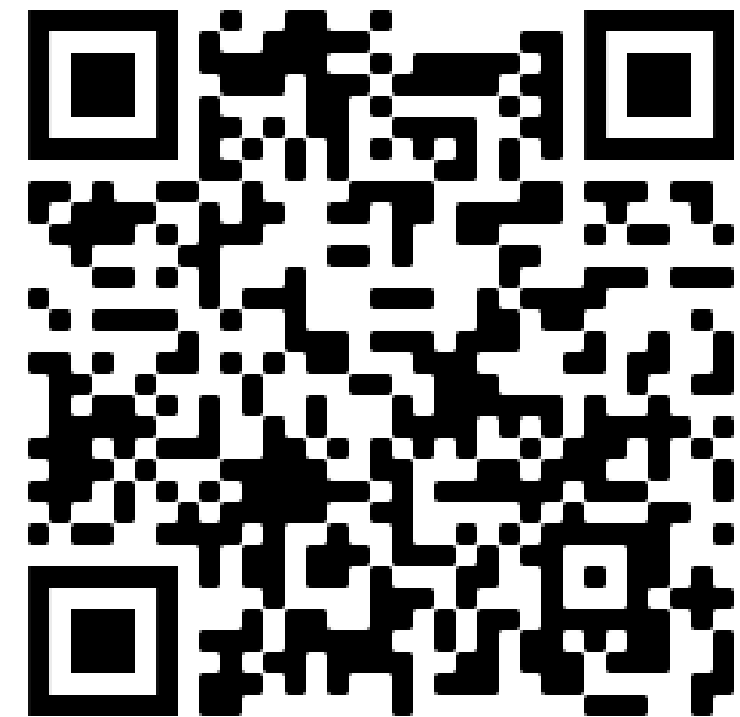
<https://www.mass.gov/i-495i-90-interchange-improvements>

## Project email

[495-90Improvements@state.ma.us](mailto:495-90Improvements@state.ma.us)

## Social media

- **Facebook:** @massdotinfo
- **Twitter:** @MassDOT







# Questions and discussion



## Questions and Answers



- “Raise your hand” to be unmuted for verbal questions (Alt + Y)



- Submit your questions and comments using the Q&A button (Alt + H)



- 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



- To ask a question via phone, dial \*9 and the moderator will call out the last 4-digits of your phone number and unmute your audio when it is your turn



- Please take a few minutes to complete the survey after the meeting to let us know how your experience was with this virtual meeting

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





## ***Thank You***

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## Noise Program: Hot Line 508-676-3551

- The Noise Control Plan (NCP) established baseline sound levels (Fall 2022).
- Quarterly noise monitoring will be conducted to ensure construction noise remains in compliance.
- Noise control mitigation measures to be used by the contractor include:
  - Temporary noise barriers or noise curtains
  - Limit use of loud and impact equipment to the daytime as feasible
  - Use of local power grid to reduce generator use
  - Use of self-adjusting backup alarms
  - Use of approved truck haul routes (I-90, I-495 and Route 9)

