Steering Committee Meeting

August 9, 2018

Background

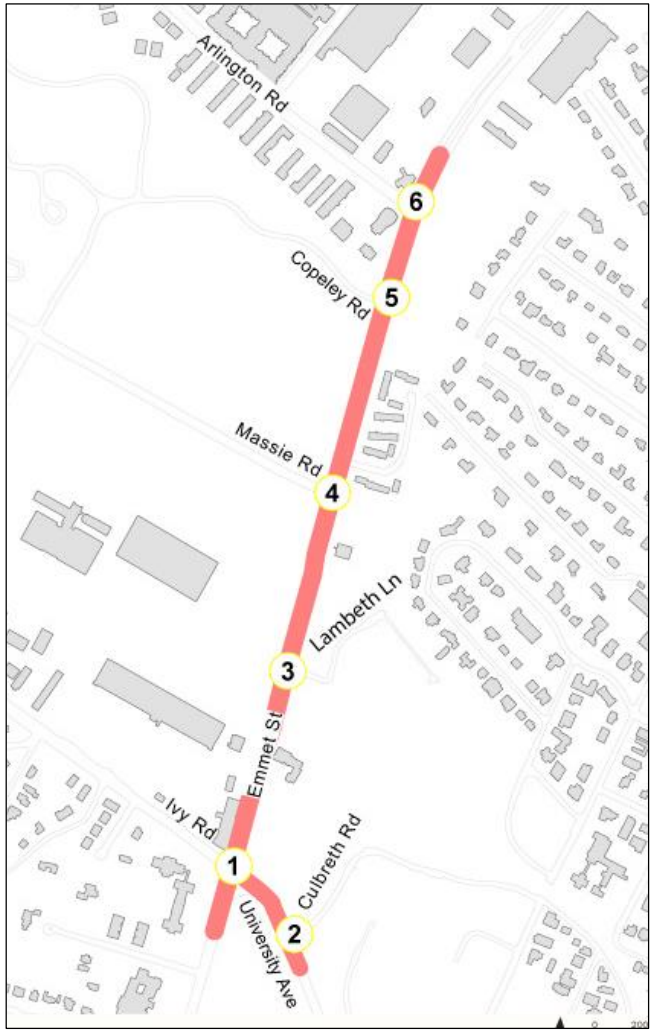
Smart Scale Project Description

SMART SCALE | Funding the Right Transportation Projects in Virginia

Objective: A complete street that works for all users

Features:

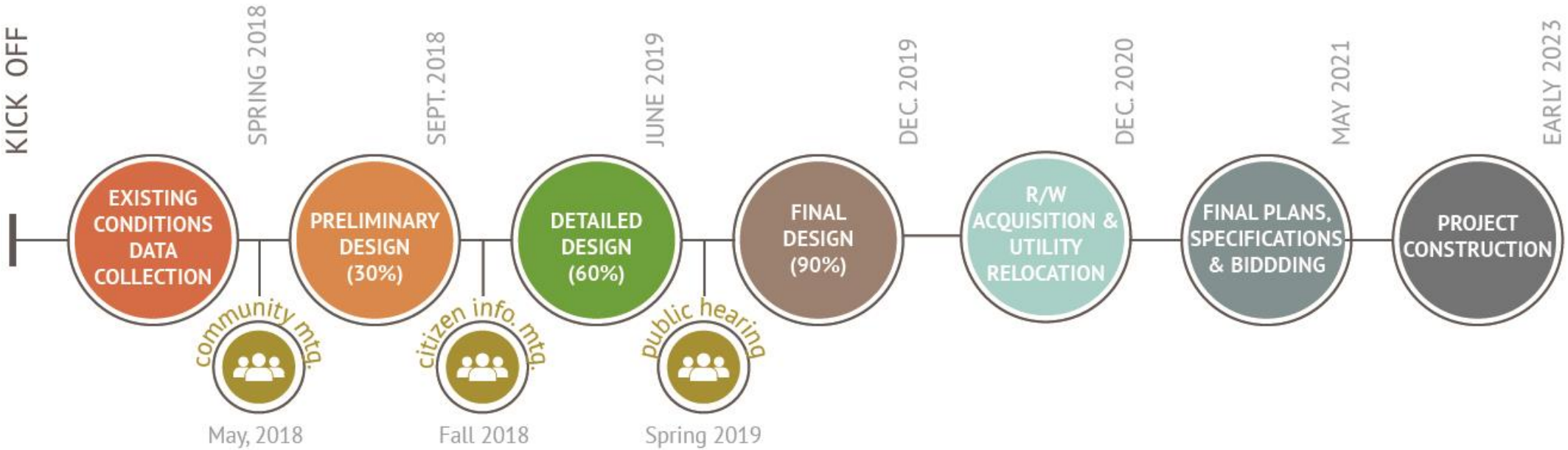
- Bike lanes on both sides
- 10-ft asphalt multi-use path
- Audible pedestrian signals & ADA standard curb ramps
- 5-ft grassy buffer planted with street trees between the multi-use path and Emmet
- Landscaped center median extended to the ped bridge
- Bus shelters and optimize/consolidate bus stops
- Traffic signal coordination



Activities to Date

- 4/18/18: Steering Committee Meeting
- 5/12/18: Community Information Meeting
- Multimodal Traffic Study Completed
- Concept Options Developed
- 8/9/18 (today): Steering Committee Meeting

General Schedule



PLANNING

Includes:
- Stakeholder Coord.
- Community Engagement
- Streetscape Concepts
- Citizen Information Mtgs.
- City Council Briefing
- Citizen Streetscape Workshop

DESIGN

Includes:
- Stakeholder Coord. (on-going)
- Community Engagement (on-going)
- Citizen Informations Meetings
- City Council Briefing
- Final Design and R/W acquisition

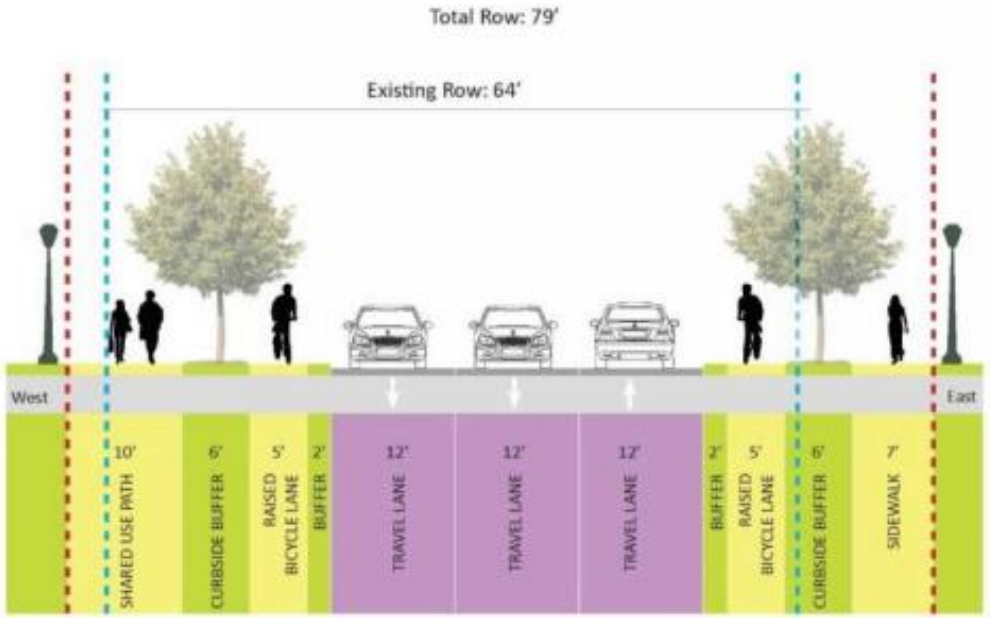
IMPLEMENTATION

Includes:
- Right-of-Way Acquisition
- Utility Relocation
- Construction Advertisement
- **Construction Begins May, 2021**

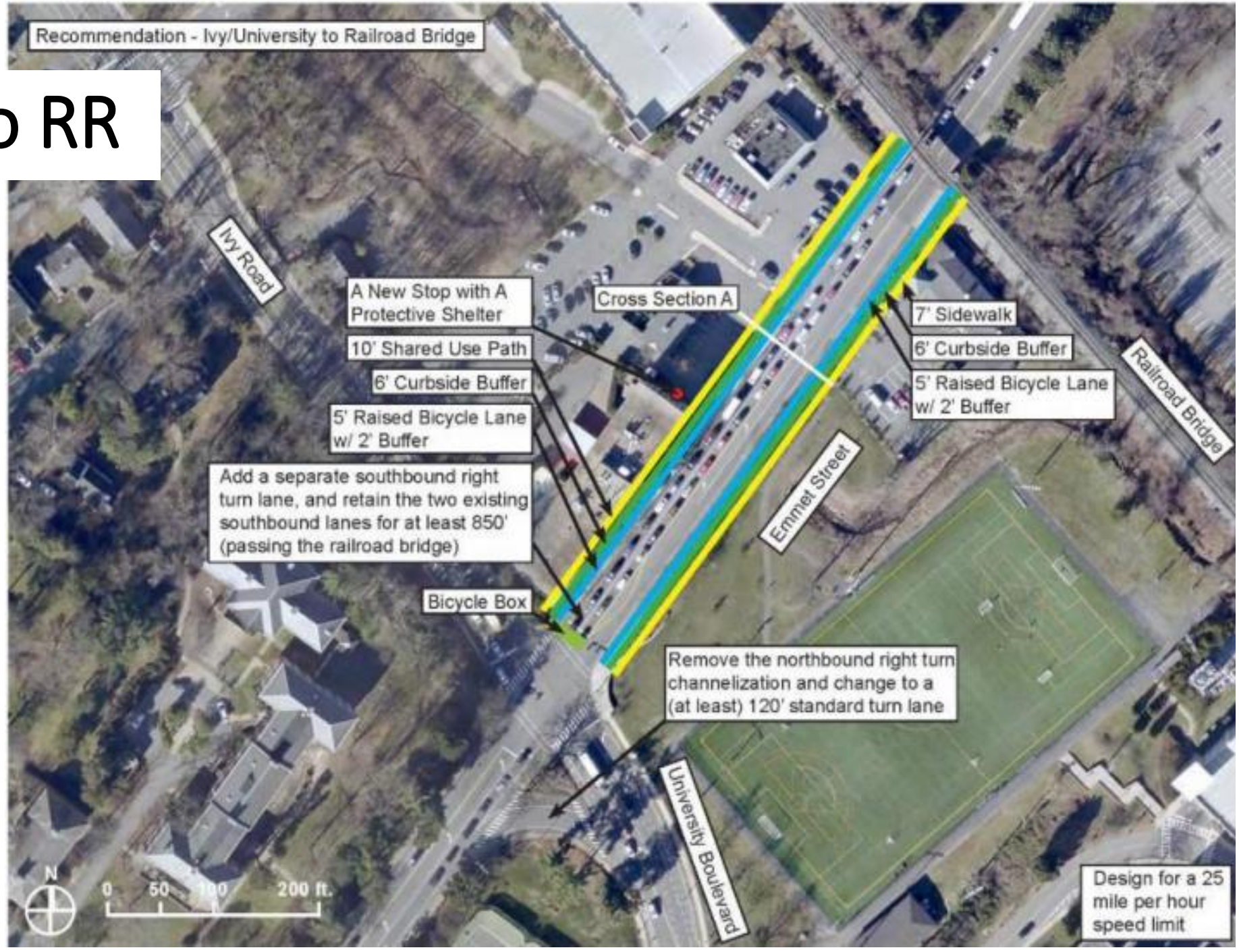
Multimodal Study

Study Options

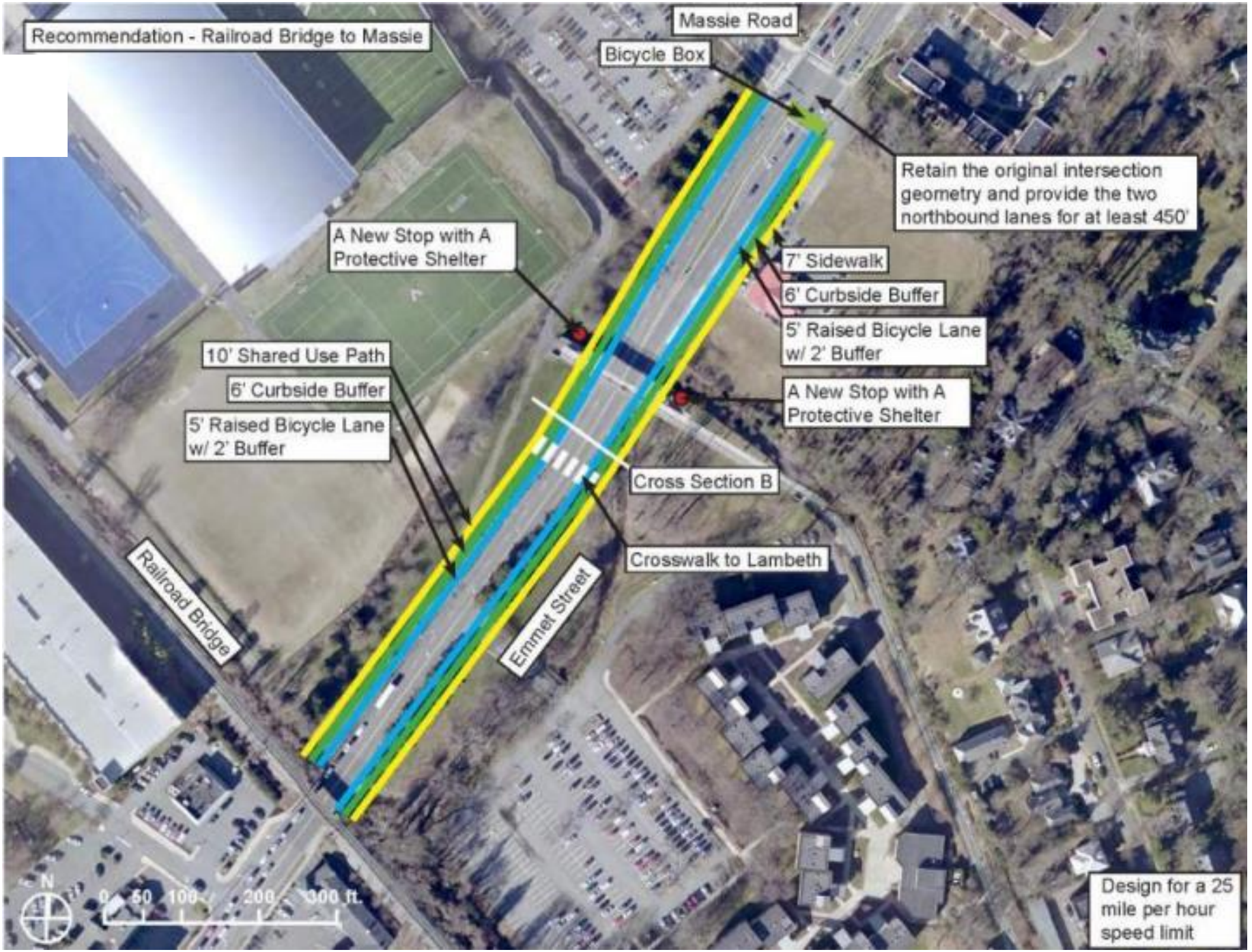
- SUP Path Location
- Bike Lane Configuration
- Mid-block crossing at Lambeth lane
- Width configurations
- Transit



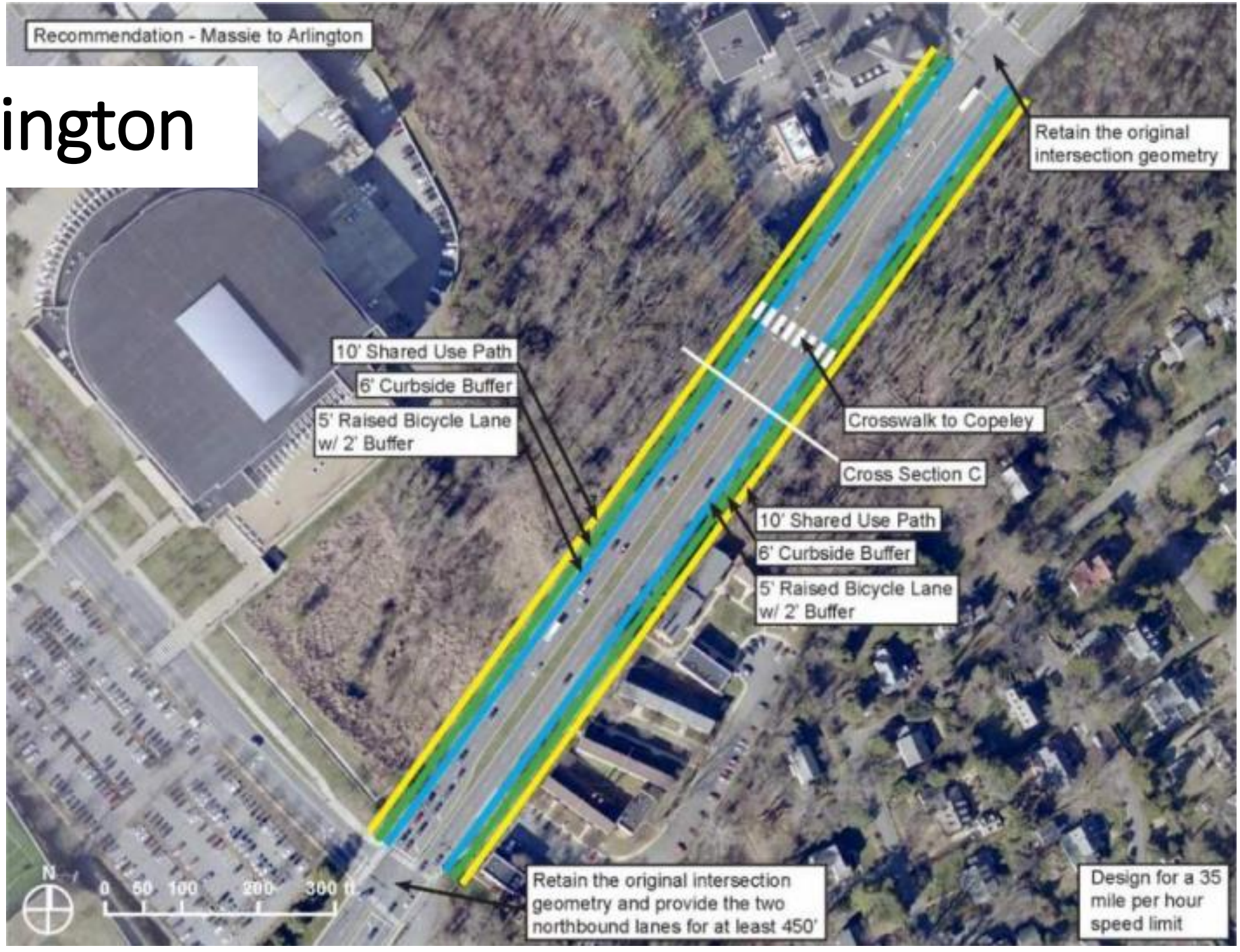
Emmet/Ivy to RR



RR to Massie


Recommendation - Railroad Bridge to Massie
Massie Road
Bicycle Box
Retain the original intersection geometry and provide the two northbound lanes for at least 450'
A New Stop with A Protective Shelter
7' Sidewalk
6' Curbside Buffer
5' Raised Bicycle Lane w/ 2' Buffer
10' Shared Use Path
6' Curbside Buffer
5' Raised Bicycle Lane w/ 2' Buffer
A New Stop with A Protective Shelter
Cross Section B
Crosswalk to Lambeth
Railroad Bridge
Emmet Street
N
0 50 100 200 300 ft
Design for a 25 mile per hour speed limit

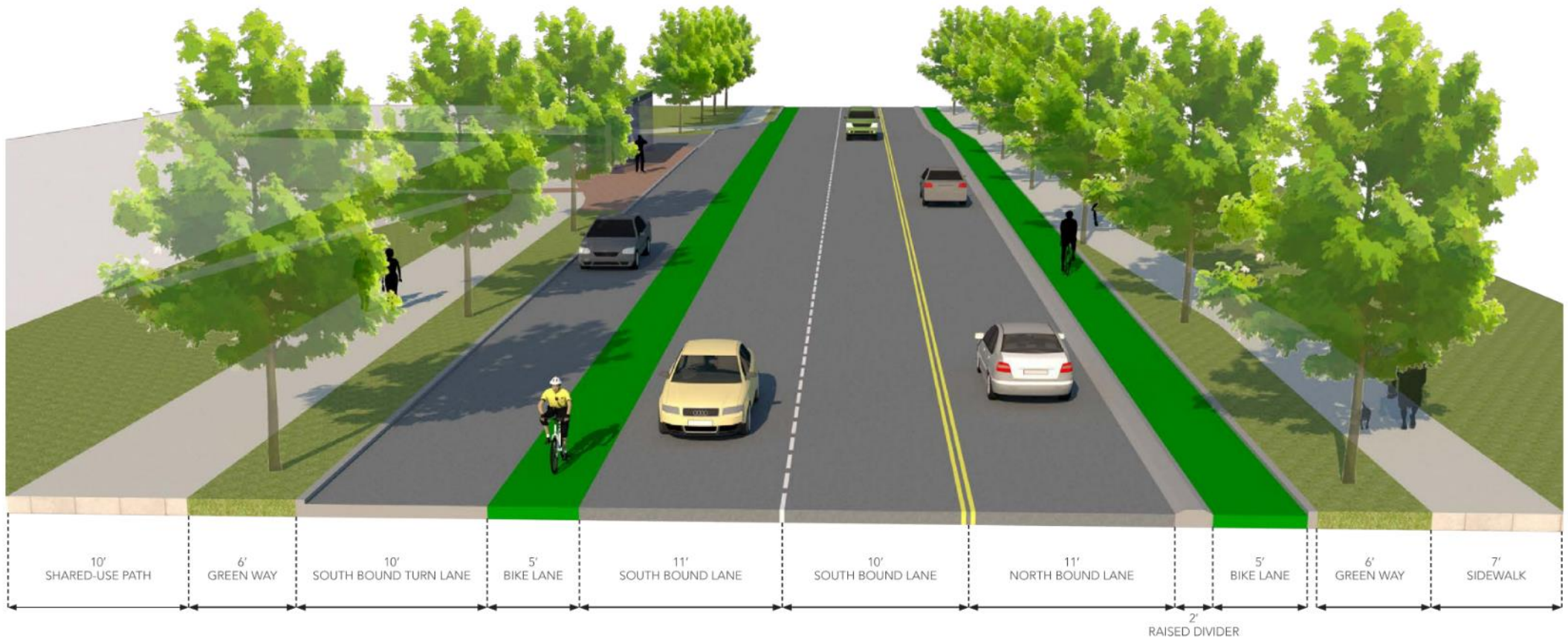
Massie to Arlington



Concept Options

Concept Options

- Recommendations from the Multimodal Study
- Bike lane
- Shared-Use Path
- Transit
- Traffic operations



Emmet St. Streetscape Improvements
Section A-A: Curb Divided Bike Lanes

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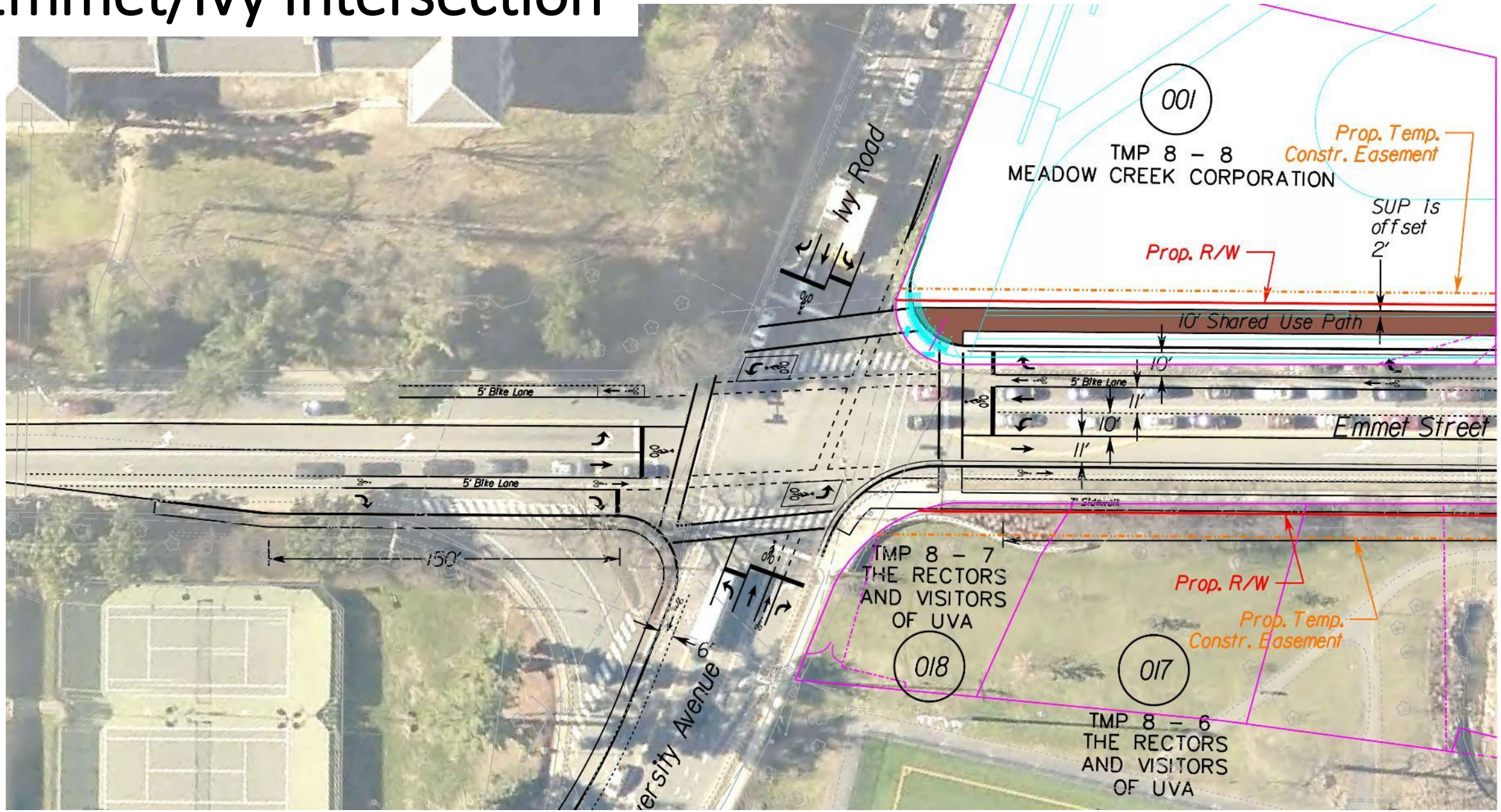
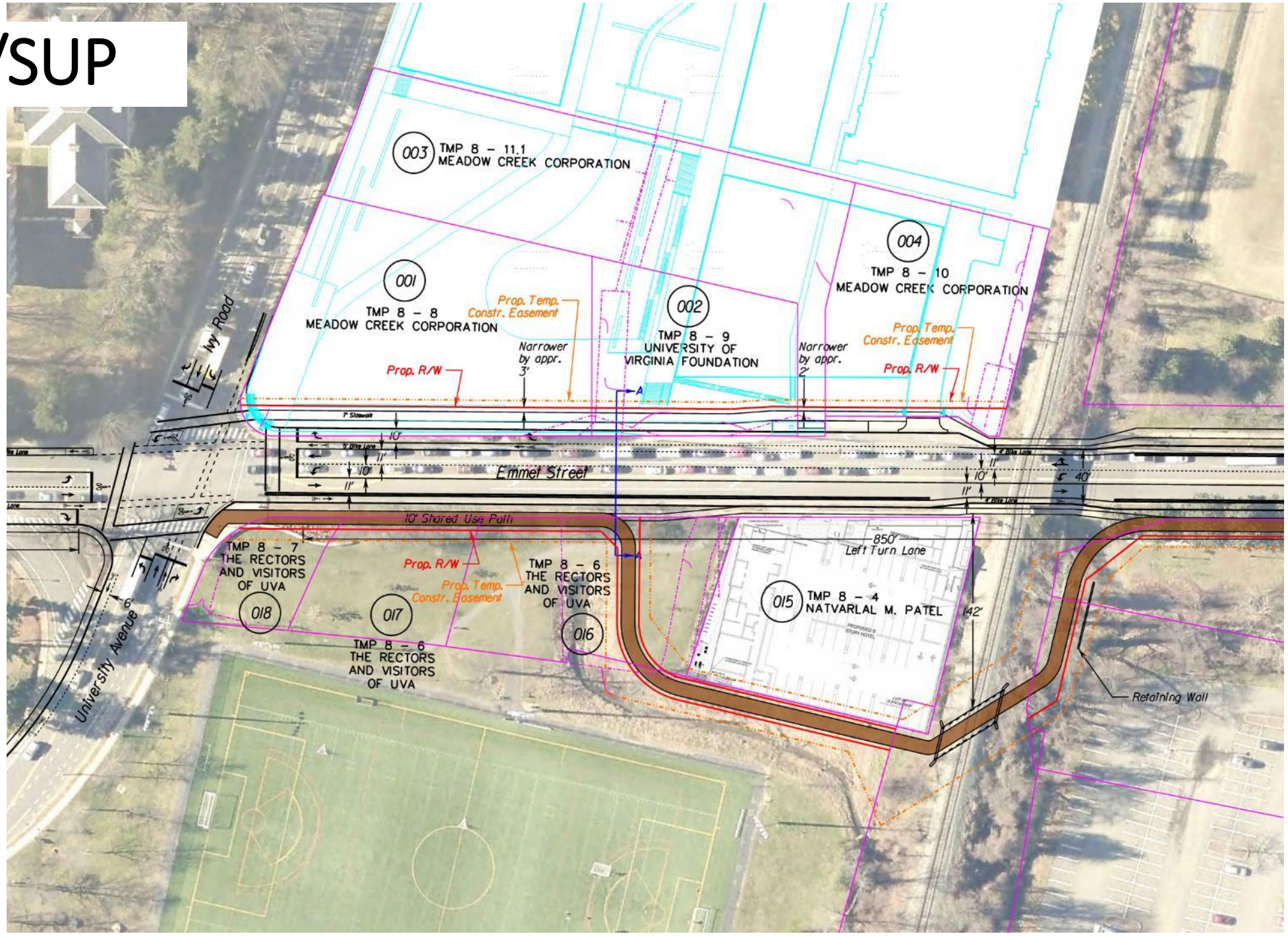
Emmet St. Streetscape Improvements
Section A-A: Raised Bike Lanes (Option B)

CLARKNEXSEN

Emmet/Ivy Intersection



East Tunnel/SUP



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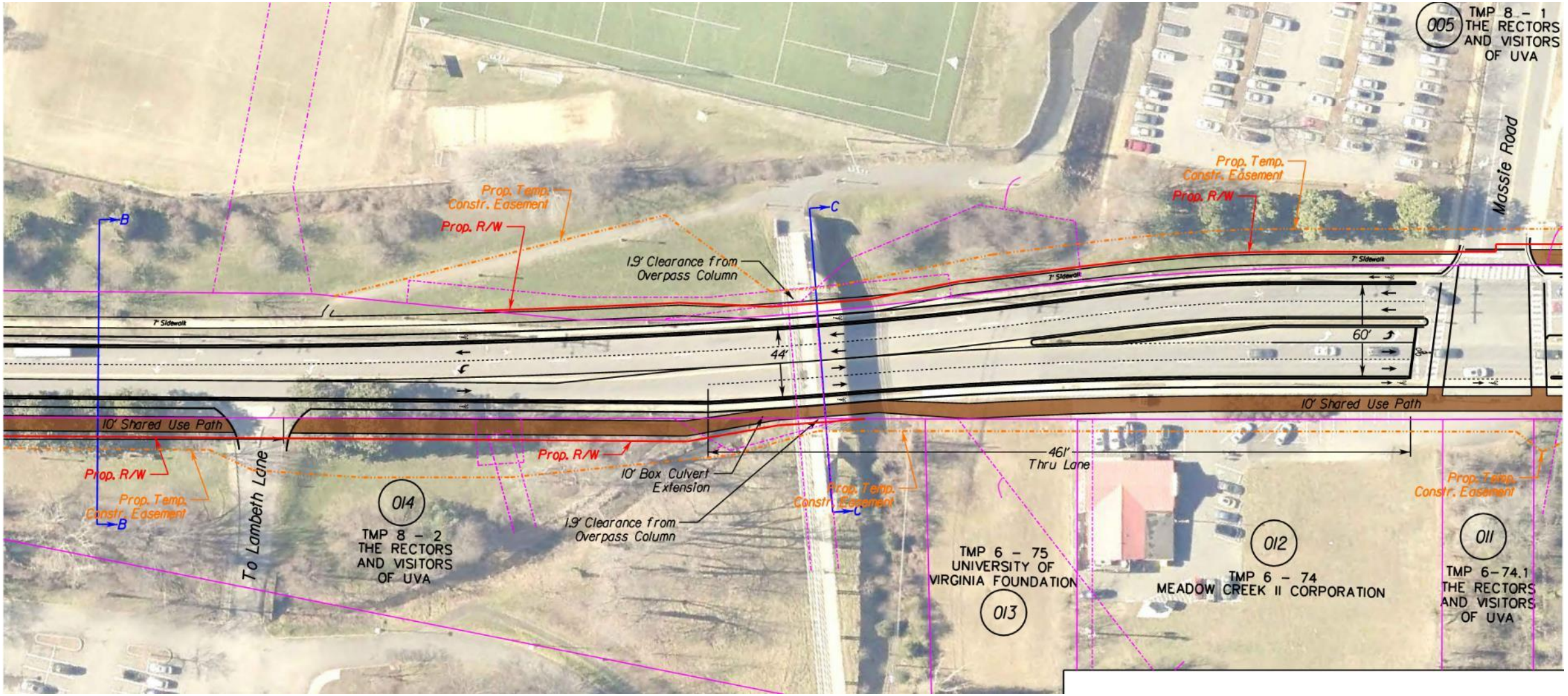
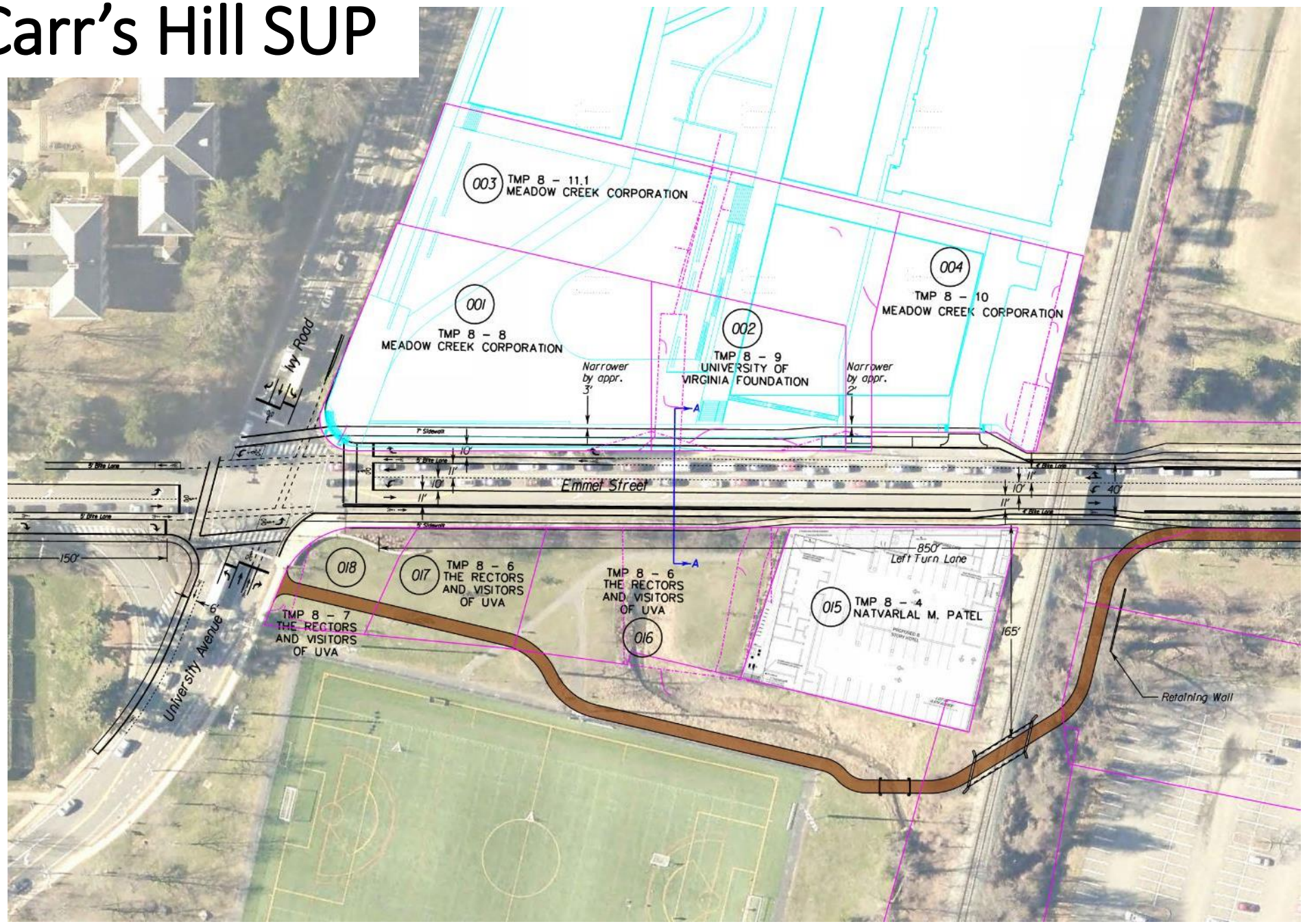


East Tunnel/SUP

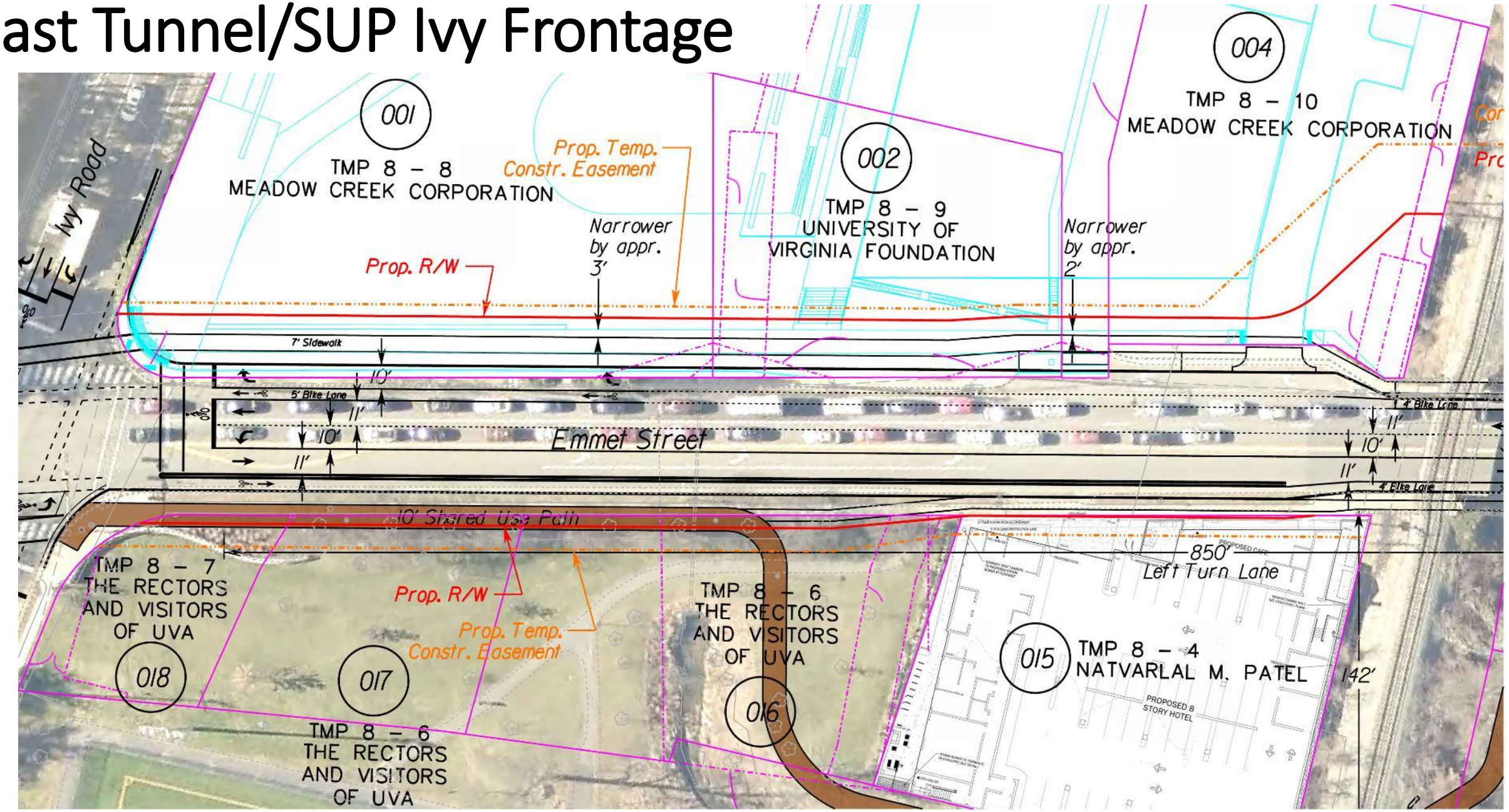
Section 2-2: Curb Divided Bike Lanes

Section 2-2: Raised Bike Lanes

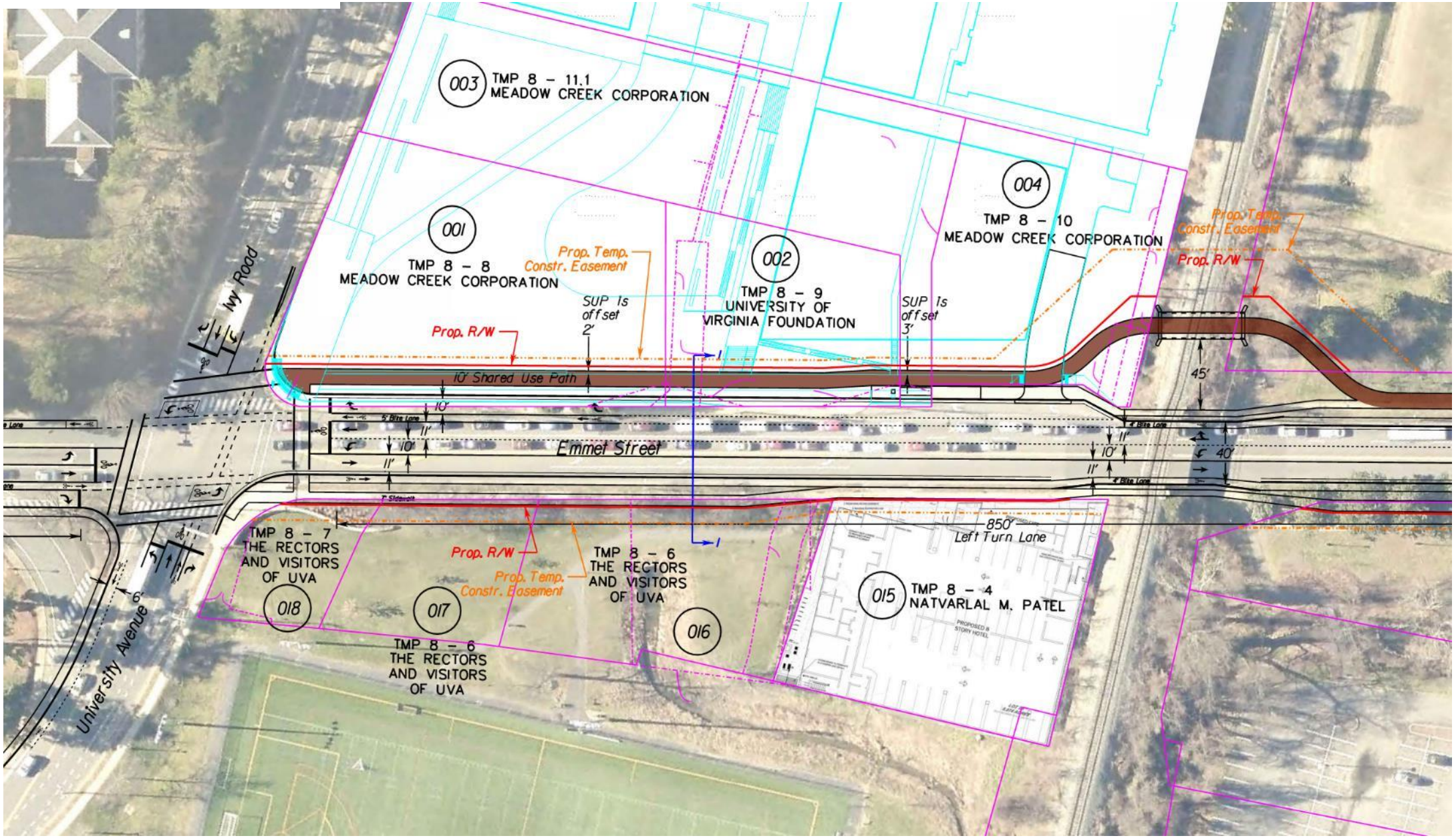
East Tunnel/Carr's Hill SUP



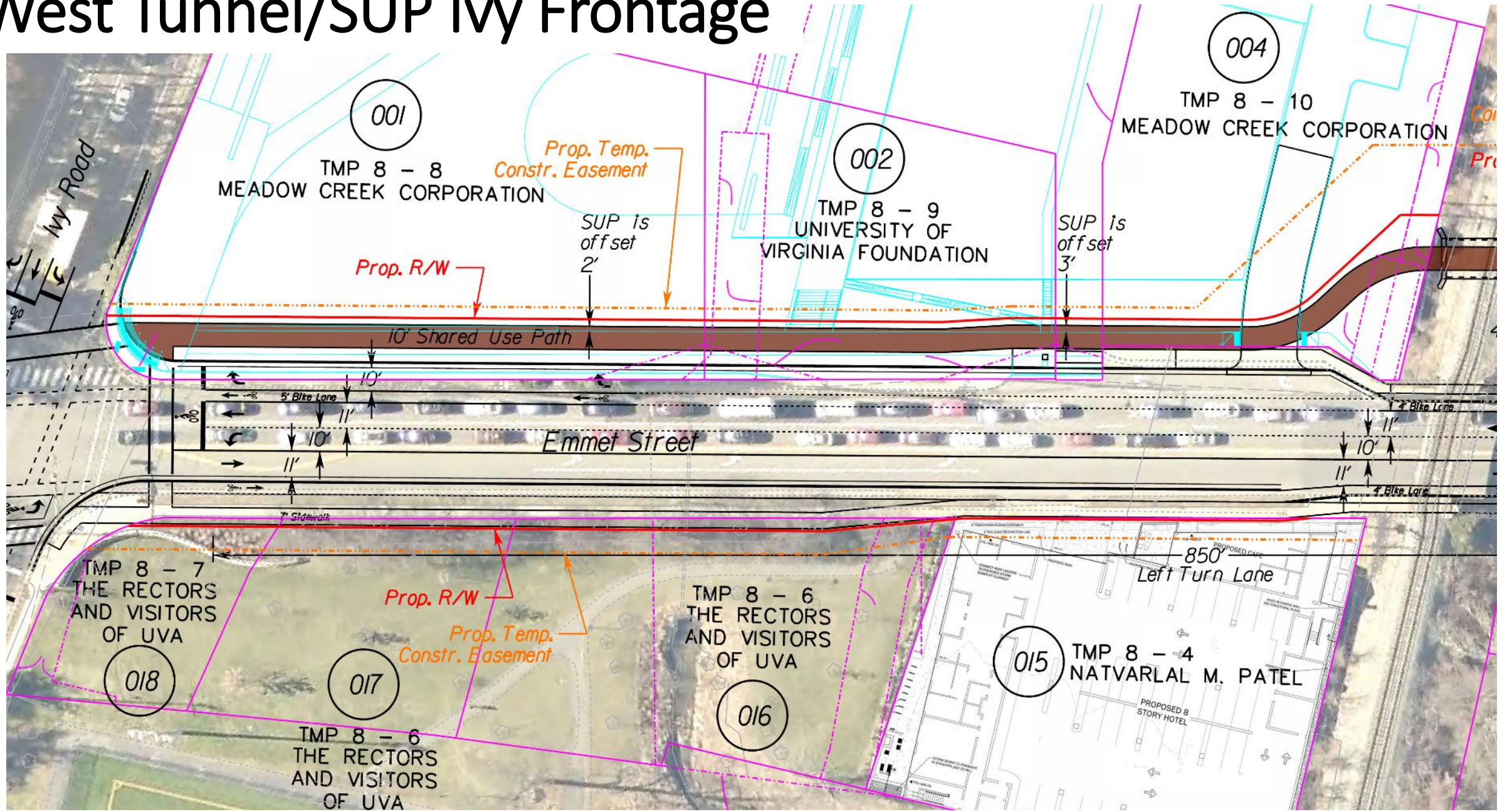
East Tunnel/SUP Ivy Frontage



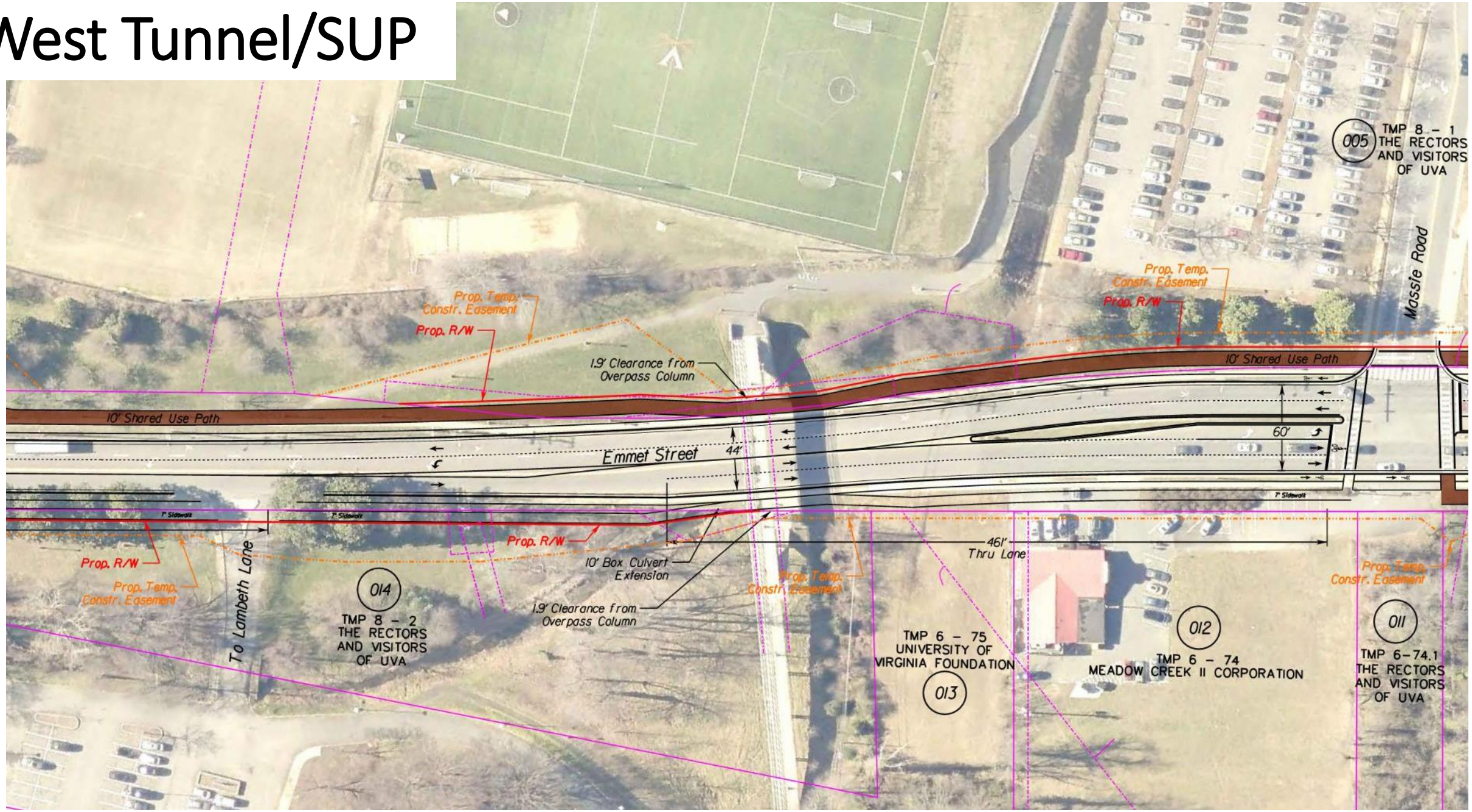
West Tunnel/SUP



West Tunnel/SUP Ivy Frontage



West Tunnel/SUP



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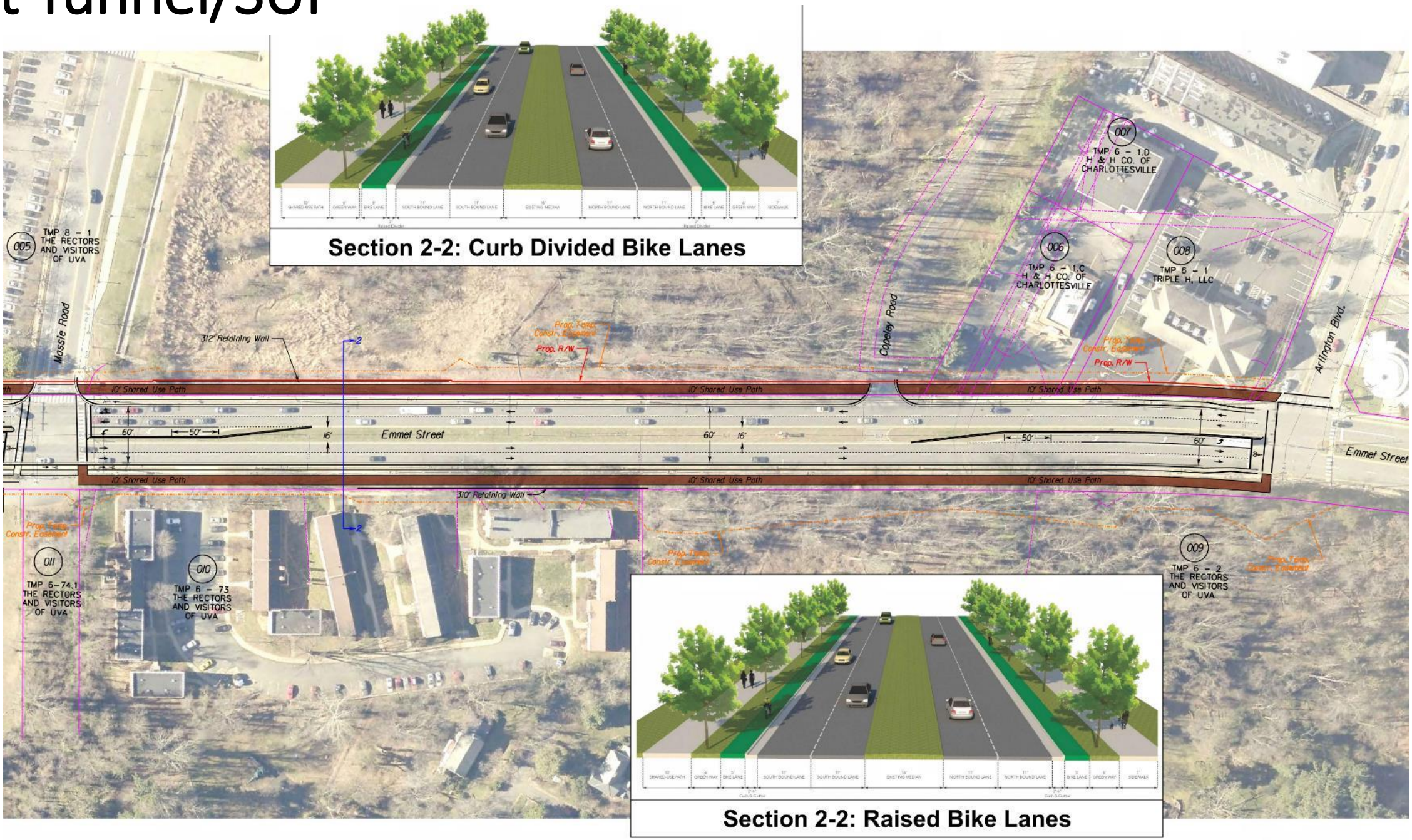


Share-Use Path Tunnel

Emmet Street RR Bridge

Bridge #: 1834

Type: I-Beam 48’-91/4”

Clearance: 19’ – 7” B/R to Ground

Built: 1934

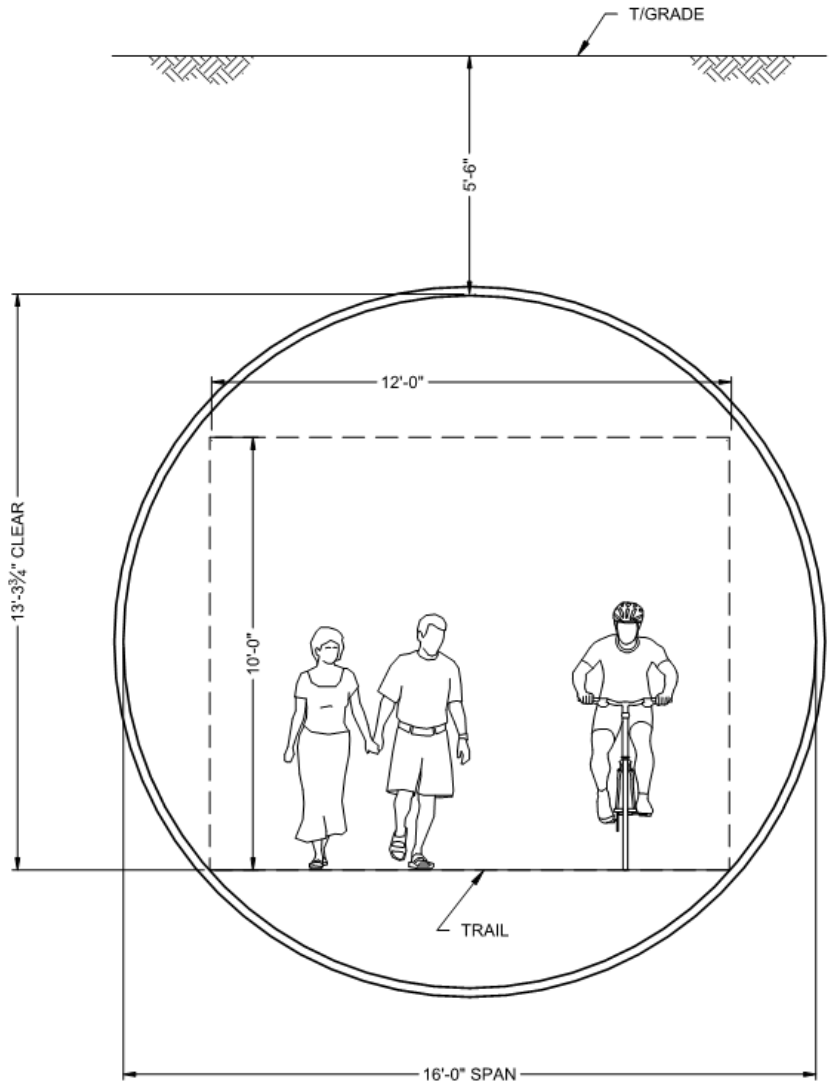
E70 Loading

Ballast Deck

south approach

north approach

Concept Design Options

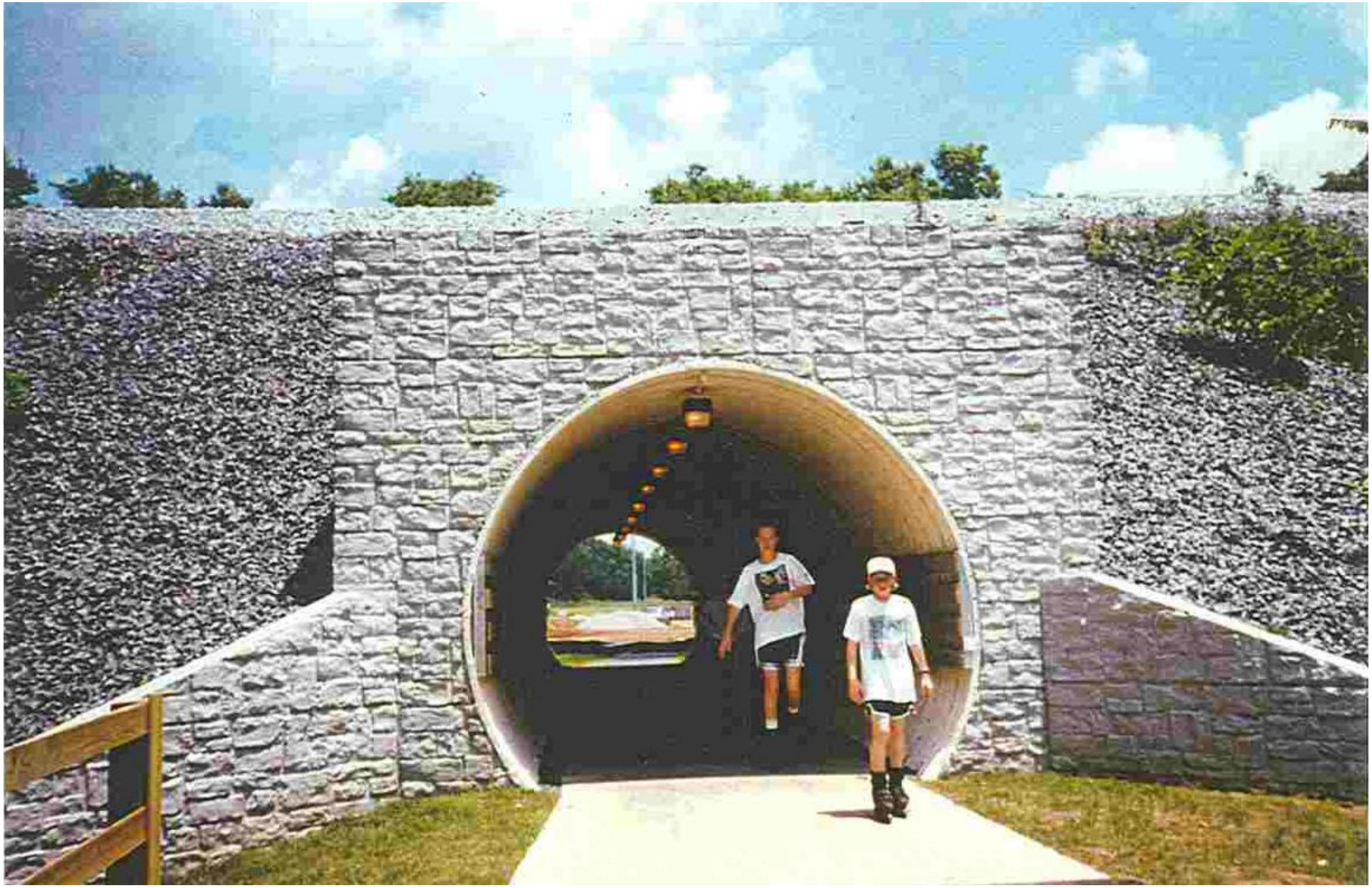


16'-0" Diameter Option

Approximate Area: 142 sq. ft. used, 203 sq. ft. total

NOTES
- MEASUREMENTS ARE TO THE INSIDE CRESTS OF THE CORRUGATION
- DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES

Liner Plate Underpass

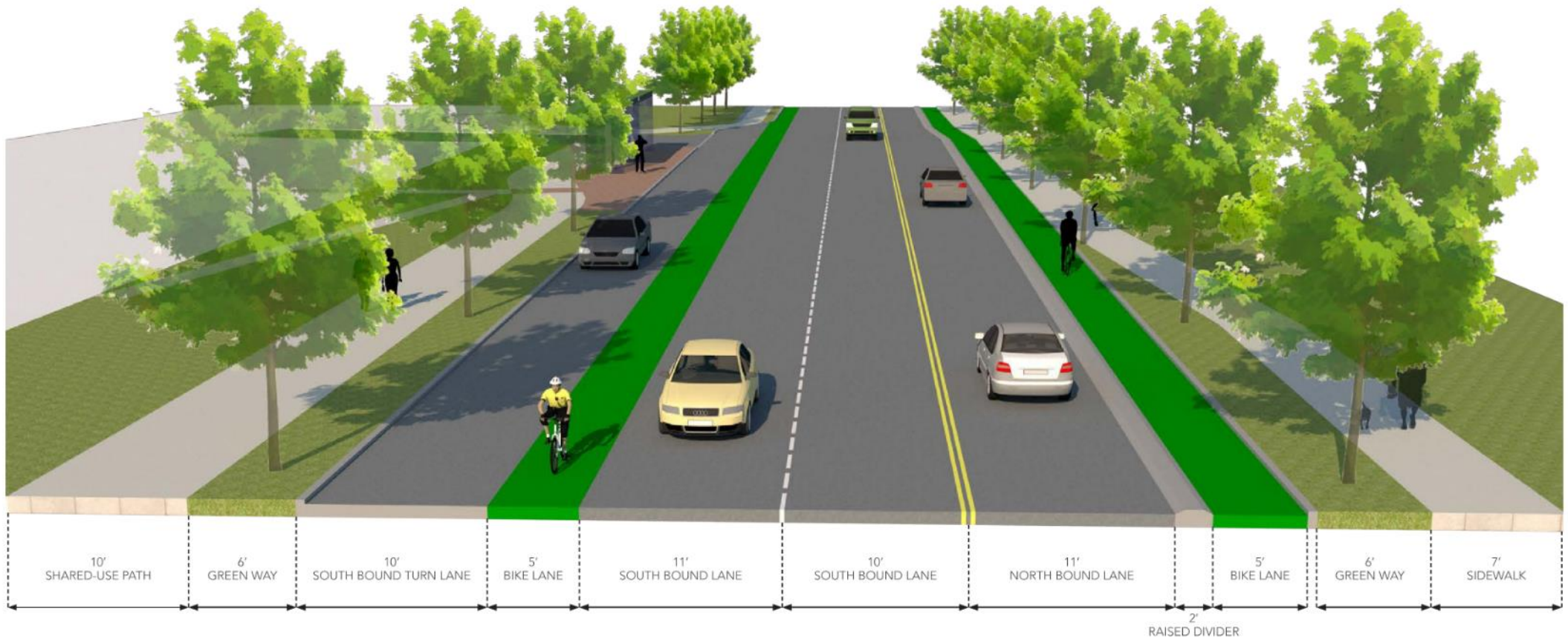


Next Steps

- Preferred Concept
  - September
- Planning Commission/City Council
  - October/November
- Citizens Information Meeting
  - November/December

Emmet St. Streetscape Improvements
Section A-A: Curb Divided Bike Lanes

CLARKNEXSEN



Emmet St. Streetscape Improvements
Section A-A: Curb Divided Bike Lanes

CLARKNEXSEN

Emmet St. Streetscape Improvements
Section A-A: Raised Bike Lanes (Option B)

CLARKNEXSEN

Emmet St. Streetscape Improvements
Section D-D: Curb Divided Bike Lanes

CLARKNEXSEN

Emmet St. Streetscape Improvements
Section D-D: Curb Divided Bike Lanes

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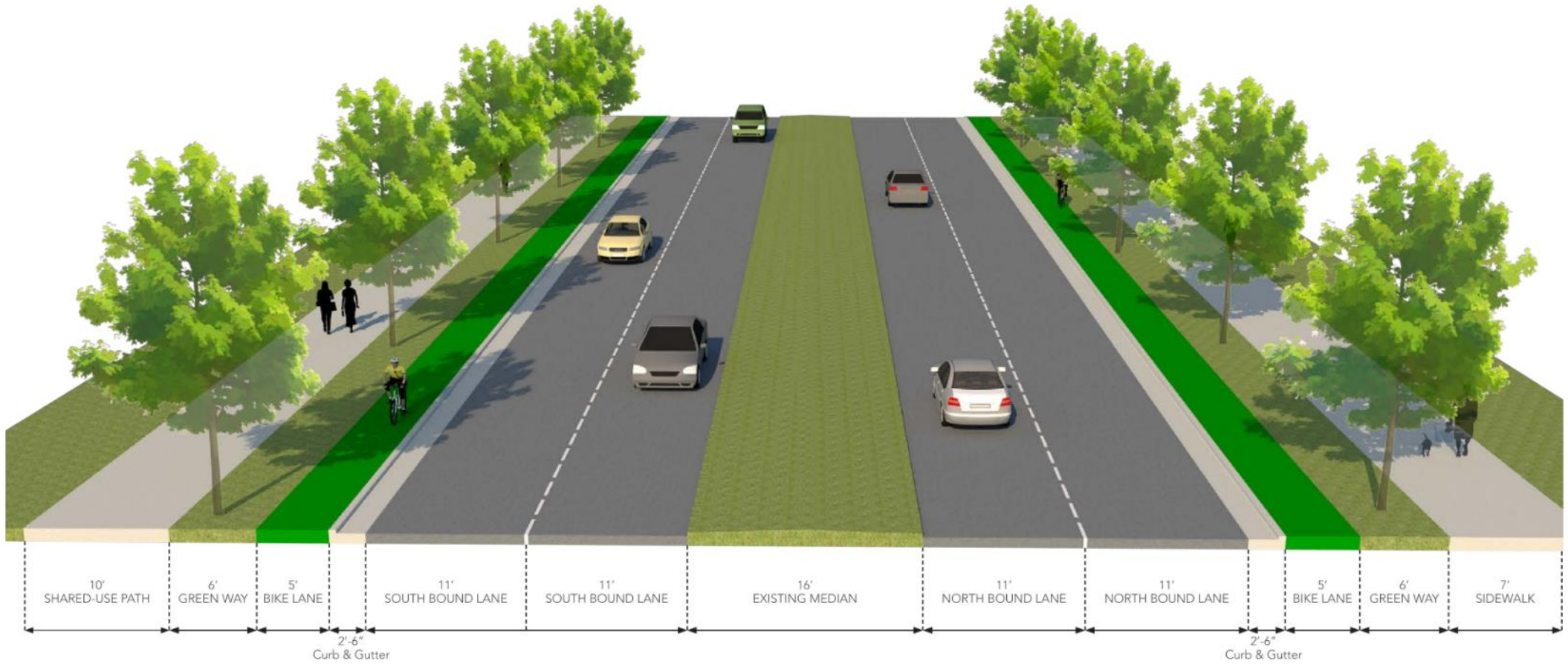

Emmet St. Streetscape Improvements
Section D-D: Raised Bike Lanes (Option B)

CLARKNEXSEN

Emmet St. Streetscape Improvements
Section D-D: Raised Bike Lanes (Option B)

CLARKNEXSEN