



New Ave Bikeway, Section B Semi-Final (60%) Design



**Presentation to City Council
November 10, 2021**



Good Evening and Welcome

- New Ave Bikeway Section B
- Semi-Final Engineering (60% Design)
 - ❖ City sponsored project
- Funding for this design phase provided by:
 - ❖ Maryland Bikeways Program Grant
 - ❖ City of Takoma Park





Consultant Team

Presenters this Evening



Robert Gillespie, PE
Project Manager



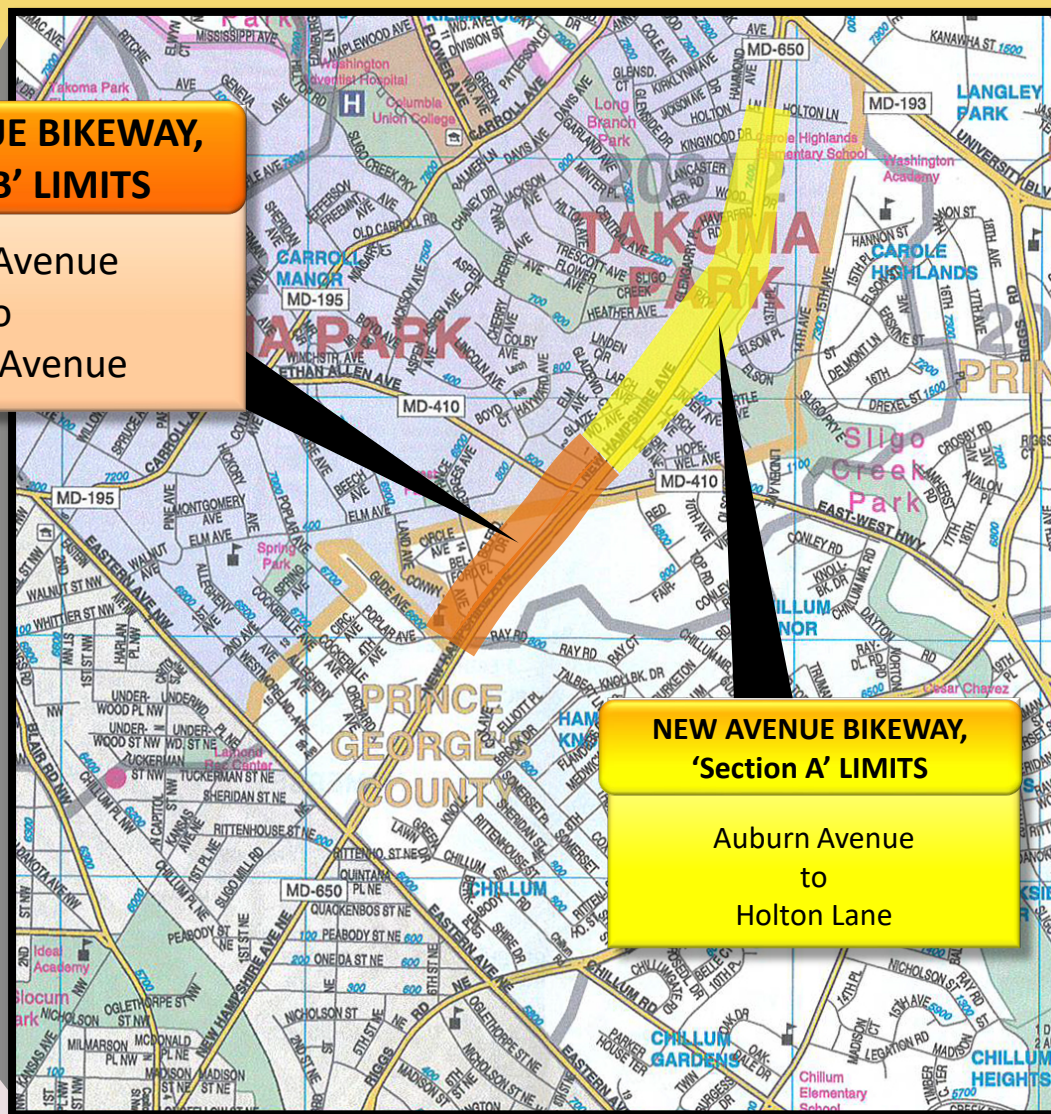
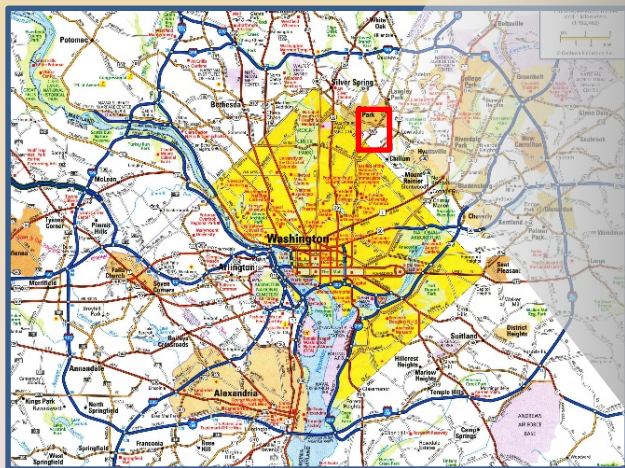
Stacy Barefoot, PE
Lead Design Engineer



Project Location

NEW AVENUE BIKEWAY, 'Section B' LIMITS

Poplar Avenue
to
Auburn Avenue



NEW AVENUE BIKEWAY, 'Section A' LIMITS

Auburn Avenue
to
Holton Lane



Project Goals

- Low-stress, safe, enjoyable bikeway
 - ❖ Southbound side of MD 650
 - ❖ Buffer separation
- ADA Compliance
 - ❖ Pedestrian/bicycle improvements
 - Enhanced intersection crossings
 - ❖ Bus Stop Improvements
- Improve connectivity to:
 - ❖ Section A Bikeway limits (Auburn to Holton)
 - Sligo Creek Trail
 - Ward 6 Bikeshare expansion
 - ❖ Bus Stops
 - ❖ Commercial / Residential
 - ❖ Takoma Langley Crossroads Transit Center
- Avoid/minimize impacts to property and utilities



60% Design Approach

- ADA-compliance upgrades at intersections & bus stops
- Utilize available frontage roads
 - ❖ Carefully reviewed each segment of 'Section B' corridor
 - ❖ Key Facility Types
 - Shared-use Path (SUP)
 - SB Shared Lane with Contra-flow Bike Lane in Frontage Roads
- Agency Stakeholder Collaboration
 - City of Takoma Park
 - MDOT SHA
 - Montgomery Planning Staff (M-NCPPC)
 - WMATA
 - Utility Owners

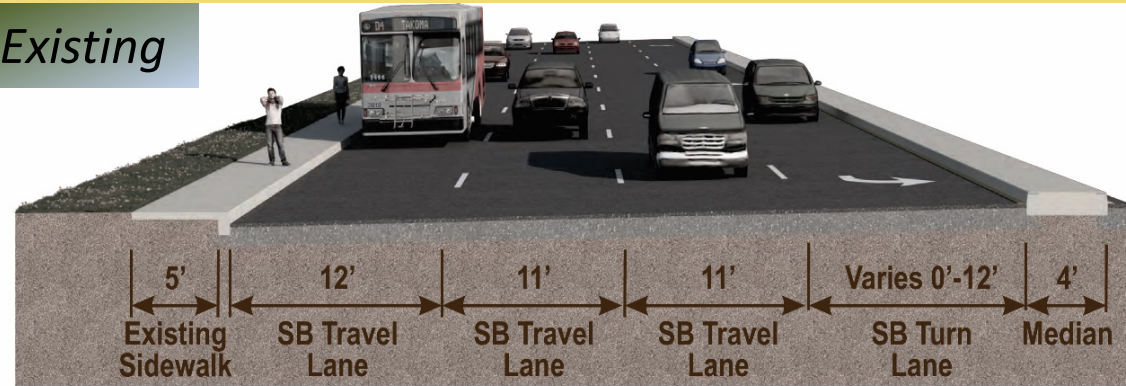


Typical Sections

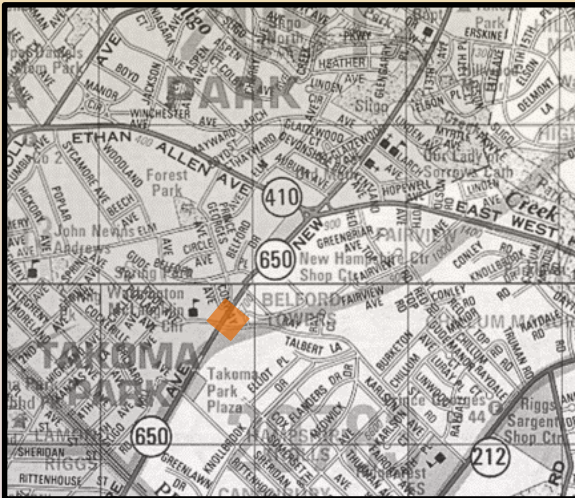
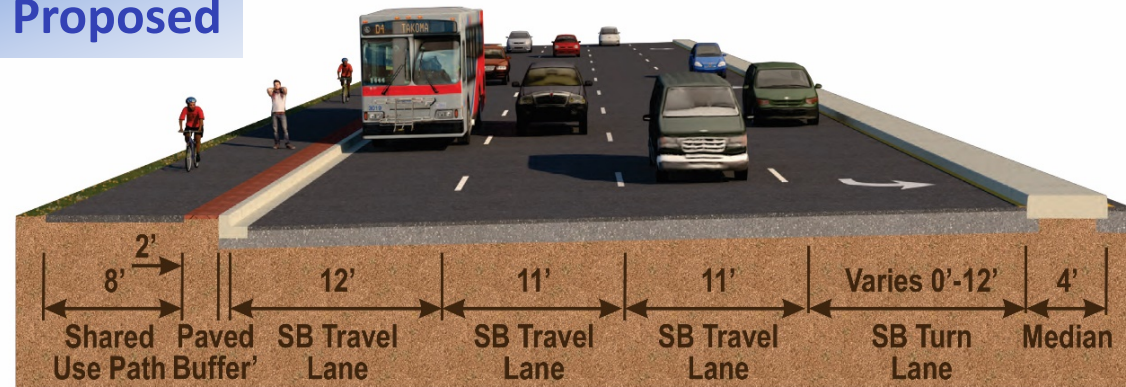
Poplar Ave to Conway Ave



Existing



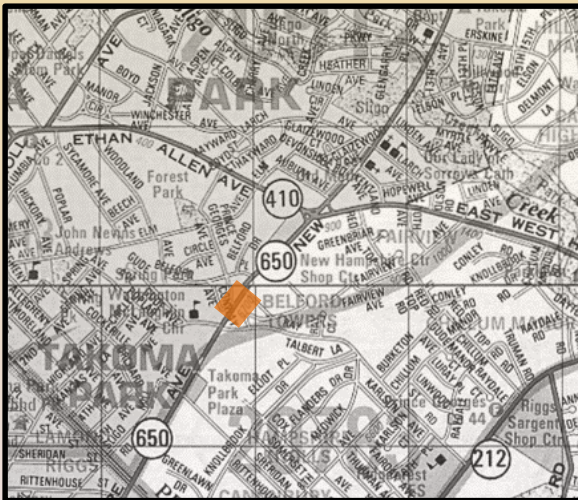
Proposed



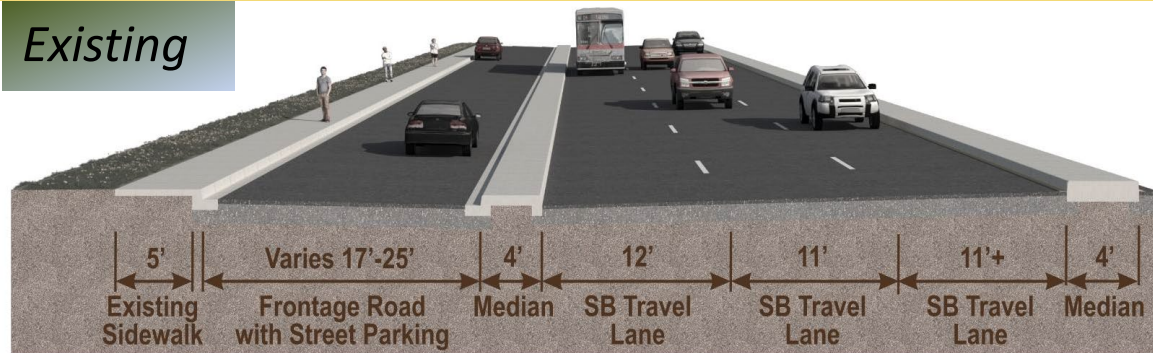


Typical Sections

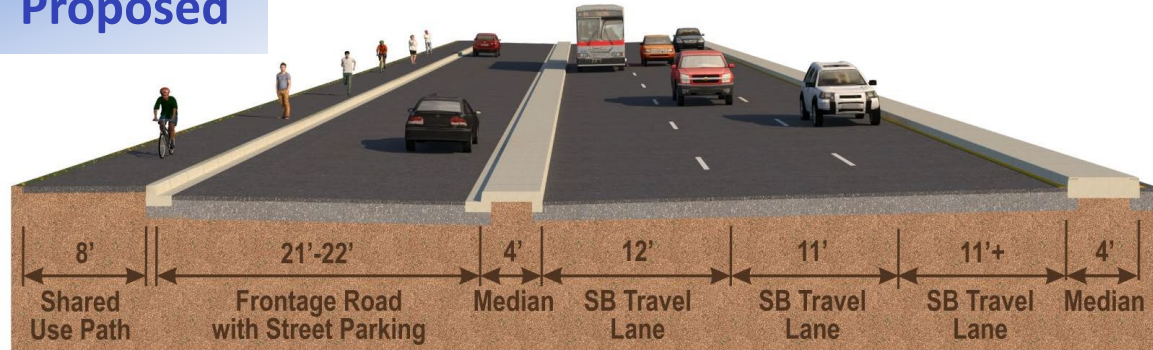
Conway Ave to Prince Georges Ave



Existing



Proposed





Typical Sections

Prince Georges Ave to Belford Pl

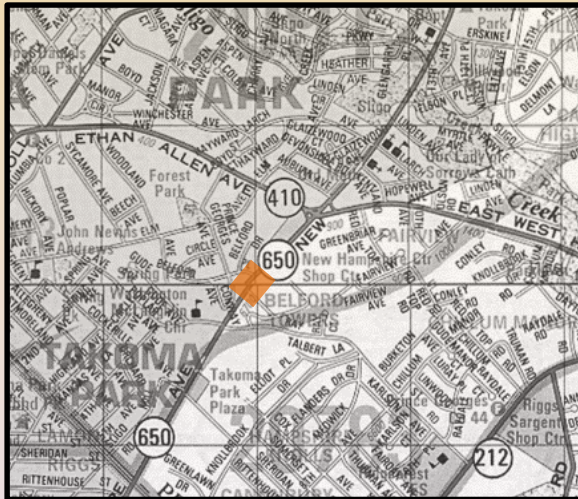


Looking N. toward Prince Georges Ave

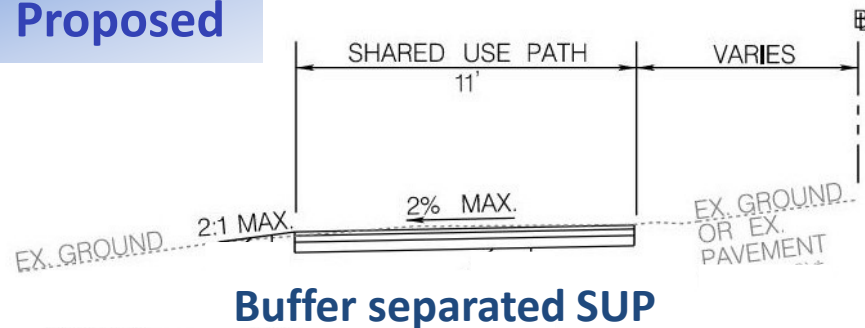
Existing



Looking N. toward Prince Georges Ave / Belford Pl



Proposed

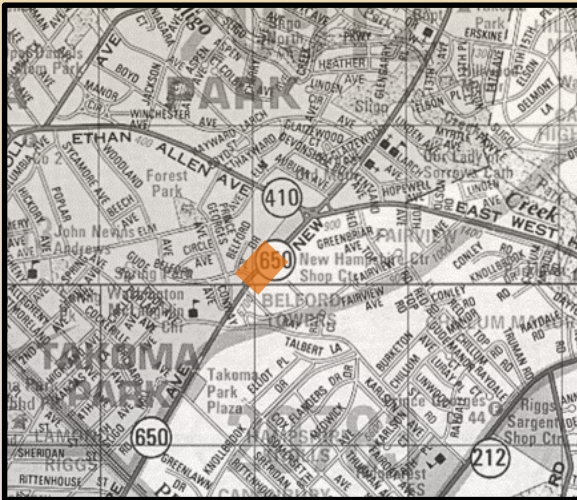
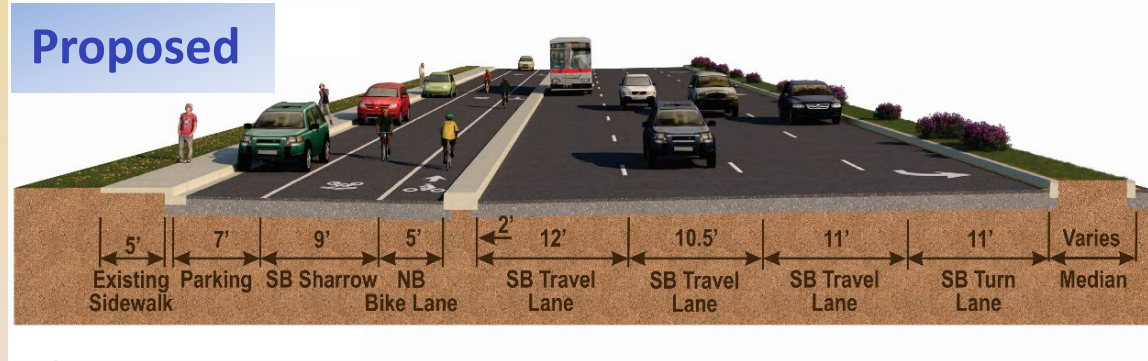
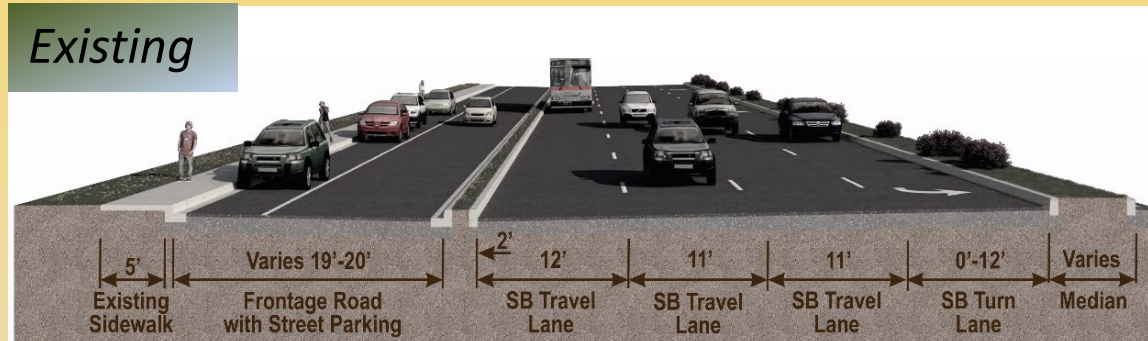


Buffer separated SUP



Typical Sections

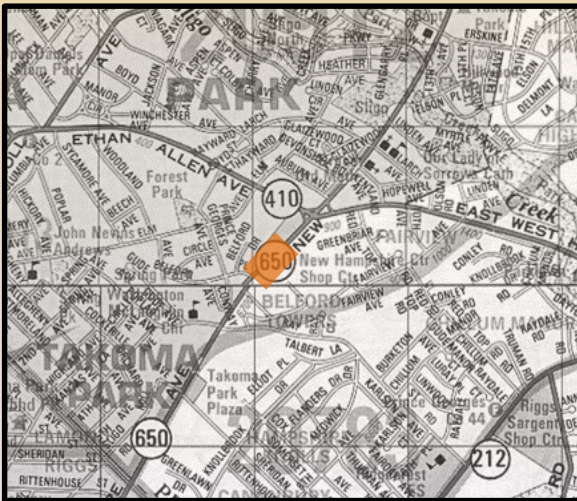
Belford Pl to Shopping Center





Typical Sections

New Hampshire Ave Shopping Center



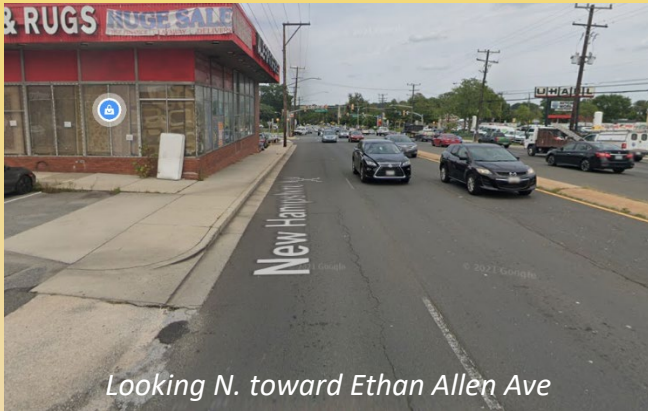
Proposed





Typical Sections

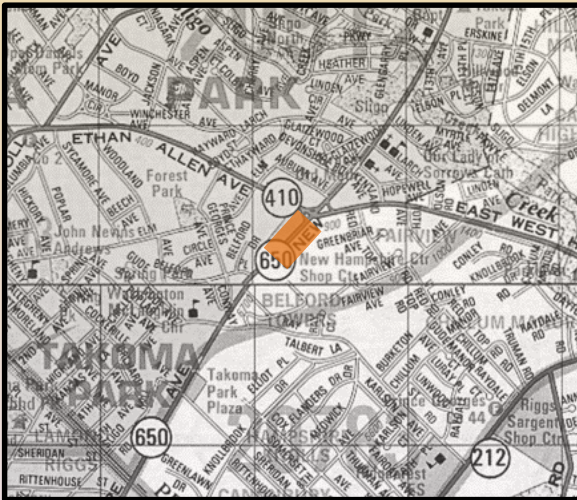
Shopping Center to Ethan Allen Ave



Existing



Proposed





MD 650 Southbound Geometric Shift Belford Pl to Auburn Ave

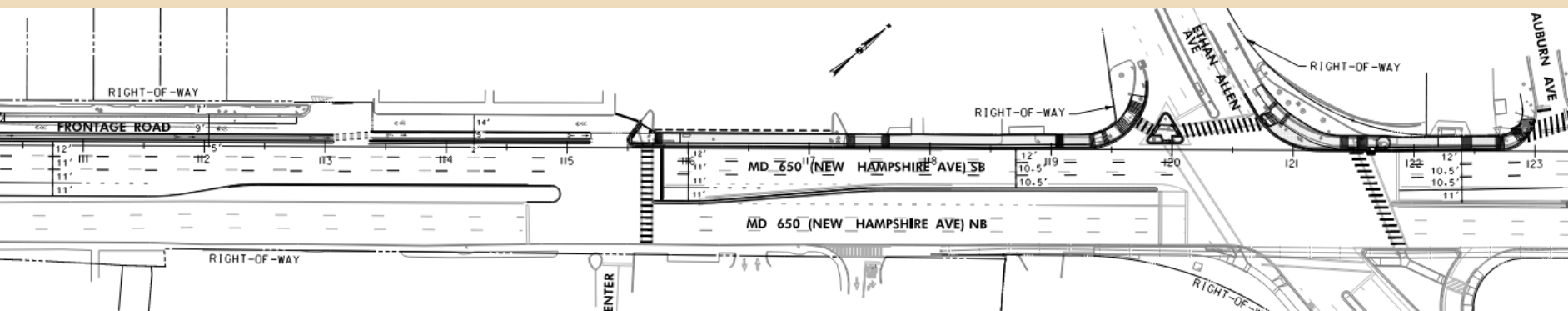
Shift southbound MD 650 travel lanes east

Existing



Looking N. toward Ethan Allen Ave

- ❖ Belford Pl to Shopping Center:
 - Accommodates 5' wide contra-flow bike lane and SB Shared Lane
- ❖ Shopping Center to Auburn Ave:
 - Accommodates 8' wide SUP with a 2' paved buffer





Requirements to Implement

- Traffic Signal Modifications
 - ❖ APS/CPS upgrades
 - ❖ Removal of mast arm pole-New Hampshire Ave Shopping Center
 - Installation of new mast arm pole in MD 650 median
- Utility Impacts
 - ❖ Pole relocations (6)
 - ❖ Fire Hydrants (3)
 - ❖ Electric Meter / Vault Relocation (1)
- Property Impacts
 - ❖ Shopping Center
 - Right of Entry Agreement / Easement
 - Traffic Signal Modifications
 - Contra-flow bike lane, Shared Lane



Requirements to Implement

- Parking Impacts, on-street (frontage roads)
 - ❖ 28-30 existing spaces
 - ❖ Removal of 13-15 spaces
 - Conway - Prince Georges: 2
 - Portion of frontage road needed to fit SUP, while avoiding private property
 - Prince Georges - Belford: 6
 - Frontage road removed, implement SUP
 - 502 Belford Pl: 1
 - Curb extension at northwest corner (Belford & New Hampshire)
 - Shopping Center Frontage Road: 6
 - Shared lane and contra-flow bike lane



Additional Considerations

- Lighting

- ❖ Evaluate pedestrian / bikeway level lighting

- LED leased lights

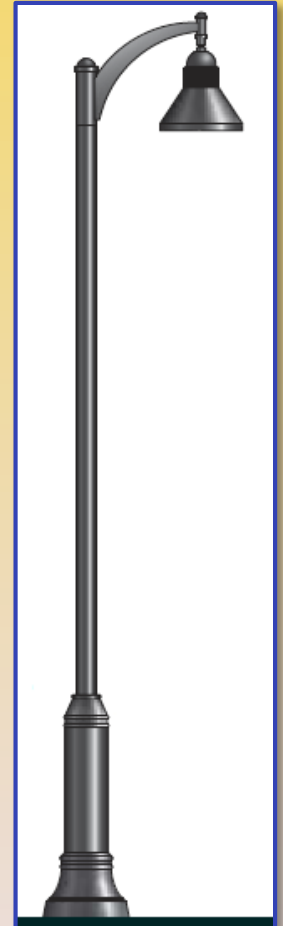
- Consider installing between Belford Pl and Shopping Center

- Supplemental LED lighting

- » Consider installing between Prince Georges Ave and Belford Pl

- » Munich style LED

- New Ave Streetscape Standards
- Ethan Allen Gateway
- Flower Avenue Green Street



Munich style



Project Cost

New Ave Bikeway, Section B

Semi-Final Design

Estimated Construction Cost:

\$1.8 million



Status, Next Steps

- Mandatory Referral Approval (M-NCPPC)
 - ❖ October 2021
- 60% Design Complete
 - ❖ November 2021
- Secured Funding for Final (100%) Design!!
 - ❖ Maryland Bikeways Program Grant
- Progress Final Design
- Continued Coordination with Stakeholders
 - ❖ City, MDOT SHA, M-NCPPC
 - ❖ WMATA, Montgomery Ride-On
 - ❖ Utility Owners
 - ❖ Property Owners



Questions



City of Takoma Park

New Ave Bikeway, Section B, 60% Design

Contact

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Planning and Development Services

Planner

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