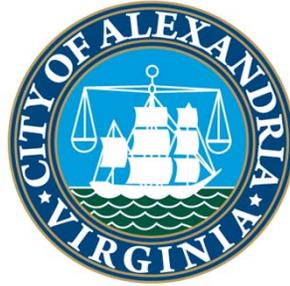




Transportation Commission

June 20, 2018



Public Comment Period 3 min per speaker.

Agenda Item #1



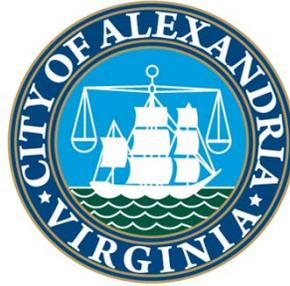
COMMISSION MINUTES: May 16, 2018 Meeting

Agenda Item #2



Updates to Receive

Agenda Item #3



Commission Updates

Agenda Item #4



2018 Transportation Long Range Plan

Agenda Item #5

Public Hearing



2018 LRP Goals for June Meeting

- Goal for tonight's meeting is to hold a public hearing and approve the 2018 Transportation Long Range Plan



2018 Long Range Plan Process

1. March 21– Staff provided overview of LRP process and proposed schedule
2. April 18 – Staff provided overview of new project / studies lists and evaluation methodology review
3. May 16– Staff and TC finalized scores and lists were finalized for approval
4. June 20– TC Public Hearing / Approval

2018 LRP Prioritization Results

Revised



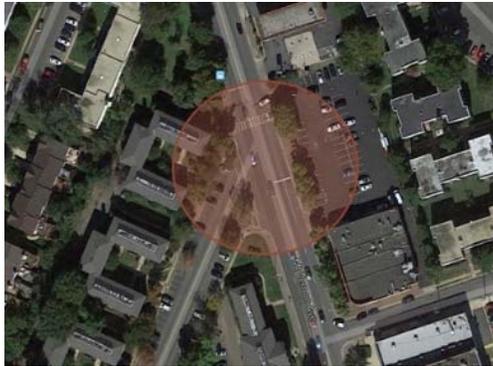
Project No.	2016 Rank	2018 Rank	2018 Rank Revised	Staff Score	Project Description
P-4	12	1	1	High	Mt. Vernon Avenue Intersection Improvements
P-20	NEW	4	2	High	Priority Sidewalk projects in the 2016 Pedestrian and Bicycle Chapter of the Transportation Master Plan
P-1	4	2	3	High	Upper King Street Multimodal Redesign (Quaker Lane to N. Hampton)
P-6	13*	3	4	High	Van Dorn St (Kenmore to Braddock Rd) Sidewalk
P-21	NEW	7	5	High	Priority bike trail projects in the 2016 Pedestrian and Bicycle Chapter of the Transportation Master Plan
P-3	9	5	6	High	N. Jordan St from Howard St to Seminary Road Sidewalk
P-2	6	6	7	High	Seminary Road From Quaker Lane to Ft. Williams Pkwy Sidewalk Improvements
P-13	23	8	8	High	Commonwealth Ave. Green Street
P-17	NEW	10	9	Med	Norfolk Southern Rail spur in OTN converted into multi-use path
P-7	15	9	10	Med	Commonwealth Avenue nonmotorized bridge
P-8	16	11	11	Med	Madison Street Bike facility
P-11	21	14	12	Med	Sanger Avenue Bridge
P-9	18*	12	13	Med	Holmes Run Trail at Morgan Street
P-10	18*	13	14	Med	Non-motorized bridge over Cameron Run
P-18	NEW	15	15	Med	Connection between Potomac Yard Park to Mount Vernon Trail
P-5	13*	16	16	Med	Pedestrian improvements at King Street and waterfront area
P-19	NEW	17	17	Low	Multimodal Bridge over Norfolk Southern Tracks to Connect Eisenhower Avenue and S. Pickett Street
P-15	26	18	18	Low	S. Van Dorn Intersection Improvements
P-14	24	19	19	Low	Edsall Road Connector to Farrington Avenue and South Pickett Street
P-16	27	20	20	Low	I-395 access to West End Town Center
					* Projects that resulted in a prioritization tie
*					Tier 1 High priority for Staff
					Tier 2 Medium priority for Staff
					Tier 3 Low priority for Staff



Thank you for all your input!

2018 Rank: 1

Mt. Vernon Avenue Intersection Improvements



Mt. Vernon at Russell Road



Mt. Vernon at Four Mile Road



Mt. Vernon at Glebe Road

2018 Ranking: 2



Priority Sidewalk Projects from TMP

Project Prioritization Results: Sidewalk

Project ID#	Project Length (Miles)	Priority Rank	Description
8	1.643386783	1	King St from S 28th to N Quaker
10	0.657093912	2	N Van Dorn from Kenmore past Fort Ward Park
15	0.576591287	3	S Payne St, Jefferson St
13	0.083038817	4	Cameron Station
44	0.092406692	5	N Fayette
12	0.203021827	6	Eisenhower Ave
23	0.47104107	7	N Jordan St
38	0.071686917	8	Russell Rd from Cedar to King St
34	0.271591179	9	Seminary Rd
36	0.127292627	10	Commonwealth from Glendale to W Nelson
14	0.31681924	11	S Van Dorn near Duke St
32	0.169995126	12	N Van Dorn between Wycklow and Maris
46	0.071394962	13	N Union St
11	0.550625222	14	Farrington from City Limits to Metro Road
28	0.102109483	15	Duke Street between 395 and S Van Dorn
27	0.102844288	16	Duke St near N Van Dorn

2018 Ranking: 2

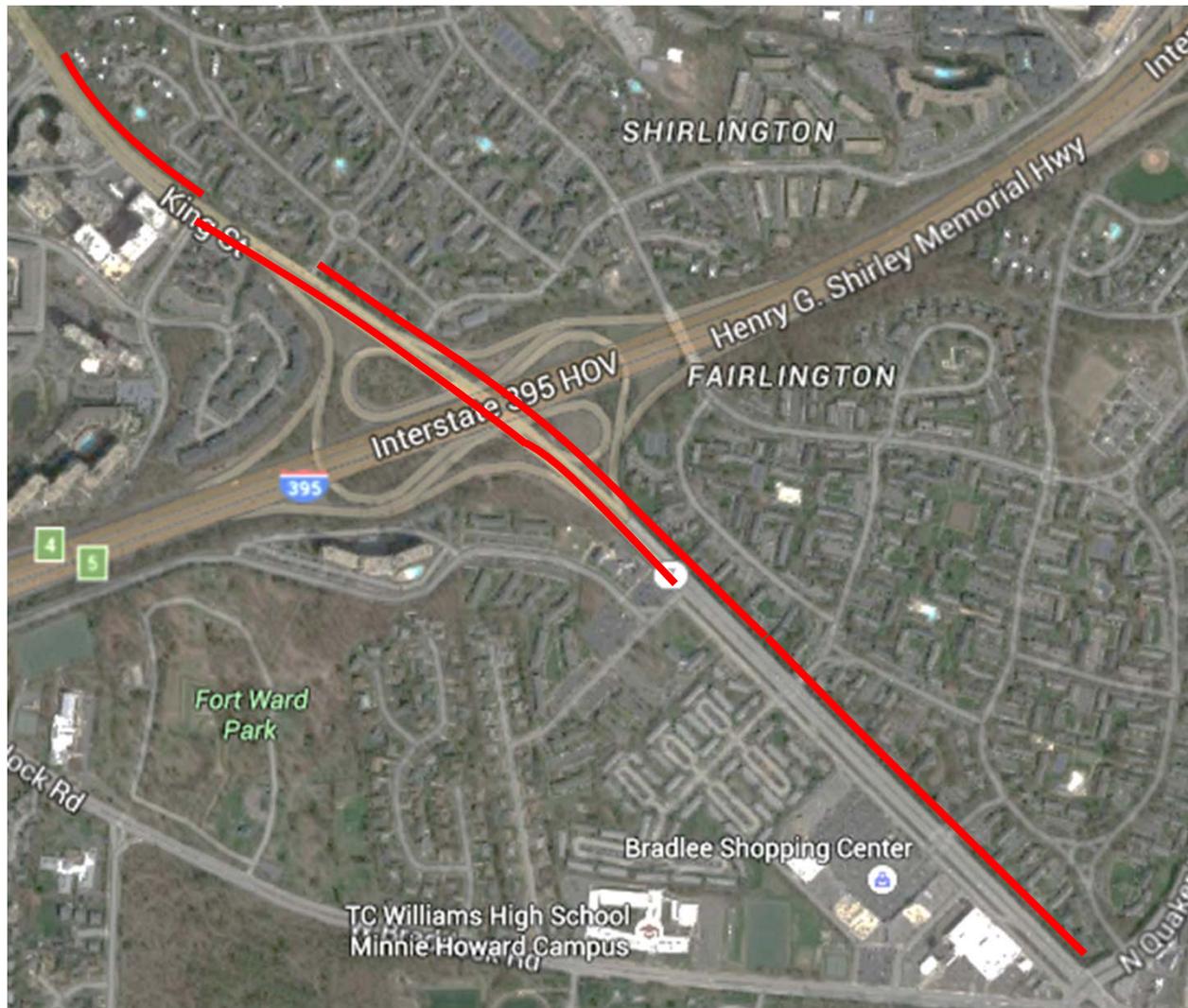


Priority Sidewalk Projects from TMP

43	0.044232098	17	Dewitt Ave
24	0.411898526	18	N Pegram St, Polk Ave
26	0.427552731	19	Taney Ave
31	0.397872282	20	N Beaugard St
17	0.110414818	21	Franklin St and Green St in Old Town
33	0.086963145	22	N Howard St
42	0.104088117	23	E Spring Ave
49	0.303439239	24	Dawes Ave
19	0.357277774	25	Kenwood, Crestwood, Oakcrest, Dogwood
48	0.791022083	26	N Rosser St, Colfax Ave
2	0.313585992	27	Russell Rd and Executive Ave from Kentucky Ave to W Glebe
39	0.151898634	28	Russell Rd from W Bellefonte to W Mason, W Monroe from Russell to Hancock
30	0.056672286	29	Stevenson Ave
7	0.085189147	30	N Quaker Ln north of Preston Rd
16	0.099989984	31	S Washington St
21	0.138115319	32	Cambridge Rd
20	0.306399192	33	W Braddock
47	0.131785368	34	Commonwealth Ave east of Four Mile Run Park
5	0.236942042	35	Cameron Mills from Chalfonte to Allison
22	0.216640424	36	Yale Dr
1	0.362116698	37	Old Dominion from Beverly Circle to W Glebe
6	0.224982458	38	Gunston Rd from Valley Dr to Eldon Dr
40	0.168523012	39	Russell Rd from W Del Ray to W Curtis
35	0.02027765	40	Colvin St
41	0.038407768	41	Valley Dr from Fordham to W Braddock
4	0.19030455	42	Enderby Dr from Wellington to Cameron Mills
3	0.163835369	43	Old Dominion and Edgehill from Allison to Beverly

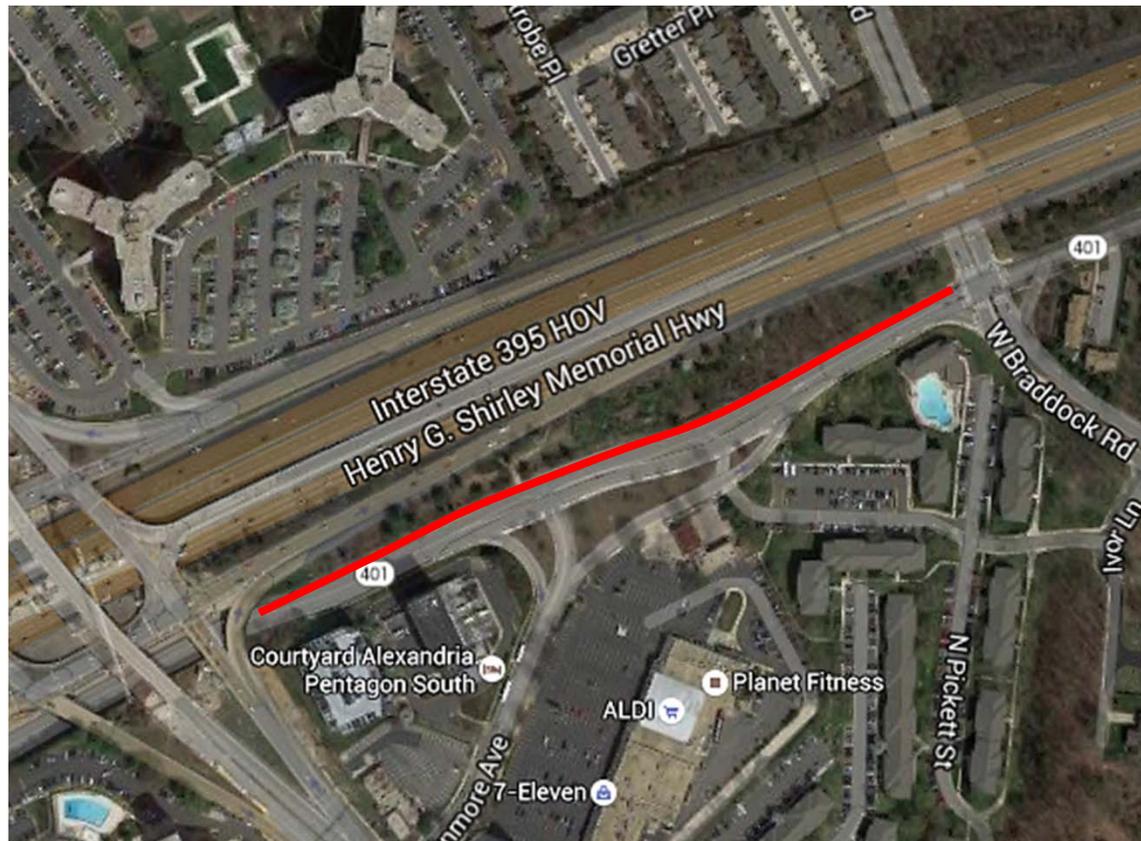
2018 Ranking: 3

Upper King Street Multimodal Redesign, Quaker Lane to N. Hampton



2018 Ranking: 4

Van Dorn Sidewalk, Kenmore to Braddock





2018 Ranking: 5

Priority bike trail projects from TMP

Project Prioritization Results: Trail

Project ID#	Project Length (Miles)	Priority Rank	Description
12	0.5320704	1	HOLMES RUN TRAIL (South side of Holmes Run between Ripley Street and N Pickett Street
110	0.9046095	2	BACKLICK RUN TRAIL from Armistead L. Boothe Park to Western City Limits
87	0.8364477	3	OLD CAMERON RUN TRAIL from STOVALL ST to HOOF'S RUN
38	0.235891	4	TRAIL from WHEELER AV to S QUAKER LA
73	0.4269832	5	TRAIL from E ABINGDON DR to POTOMAC AV TRAIL
9	0.2737261	6	TRAIL from DUKE ST to N VAN DORN ST
105	0.2443018	7	FORT WARD PARK TRAIL from N VAN DORN ST to W BRADDOCK RD
83	0.0613432	8	TRAIL from POTOMAC AVE to MOUNT VERNON TRAIL, TRAIL from JEFFERSON DAVIS HY to POTOMAC AV
103	0.1604969	9	LESLIE AV from SIMPSON STADIUM PARK BASE BALL FIELD to DUNCAN AV
80	0.1308068	10	TRAIL from POTOMAC AV to CARPENTER RD

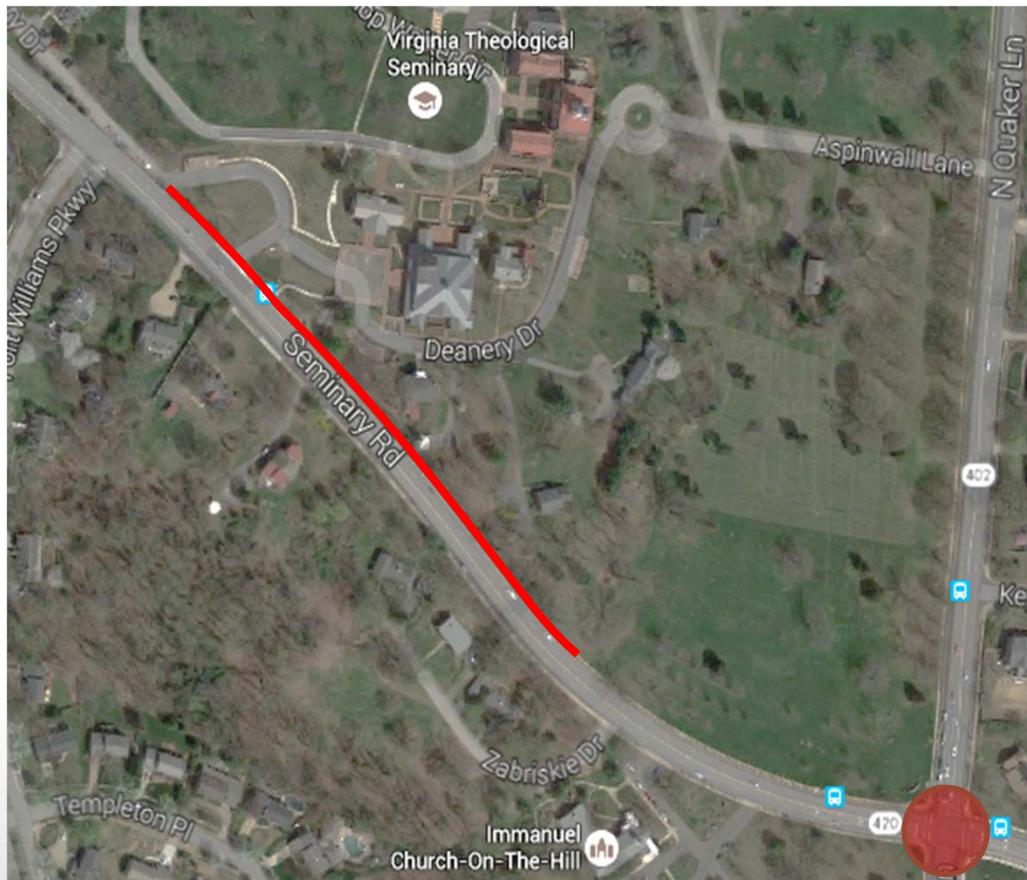
2018 Ranking: 6

N. Jordan Street Sidewalk, Howard St. to Seminary Road



2018 Ranking: 7

Seminary Rd. from Quaker Ln. to Ft. Williams Pkwy Sidewalk Improvements



- Sidewalk on north side from Zabriskie to Ft. Williams Pkwy.
- Intersection improvements at Seminary and Quaker

2018 Ranking: 8

Commonwealth Avenue Green Street



2018 Rank: 9

Norfolk Southern Rail Spur in OTN



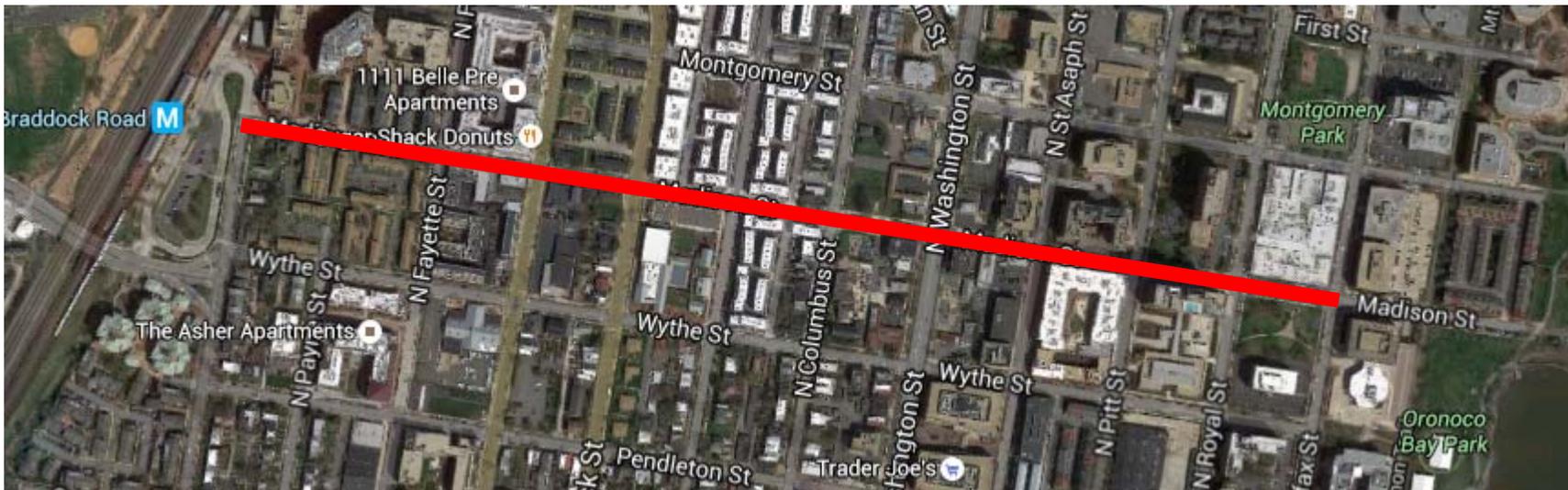
2018 Rank: 10

Commonwealth Avenue Non-motorized Bridge



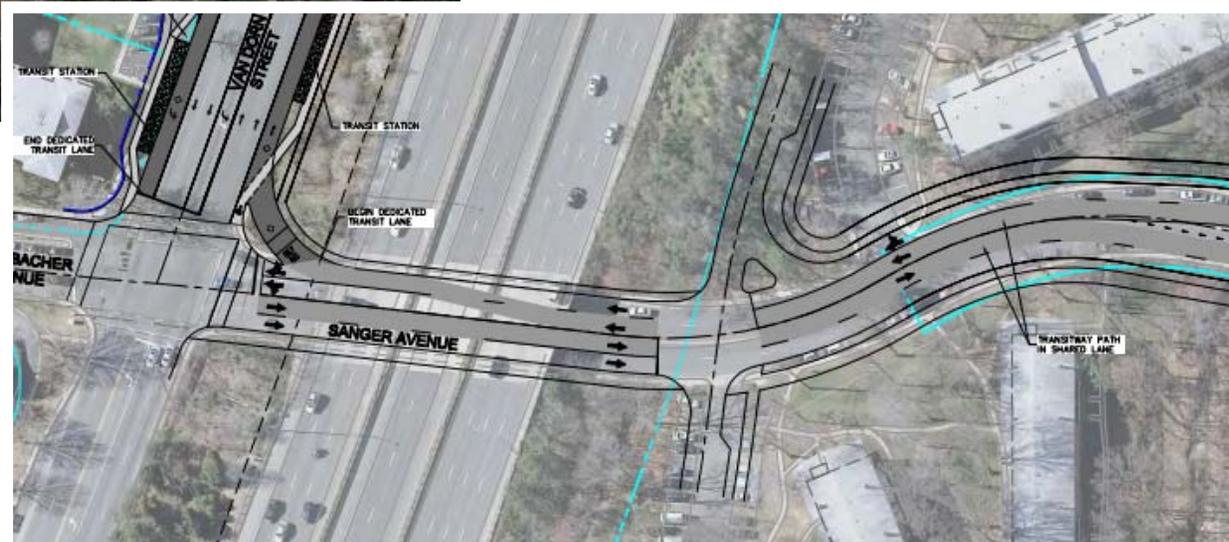
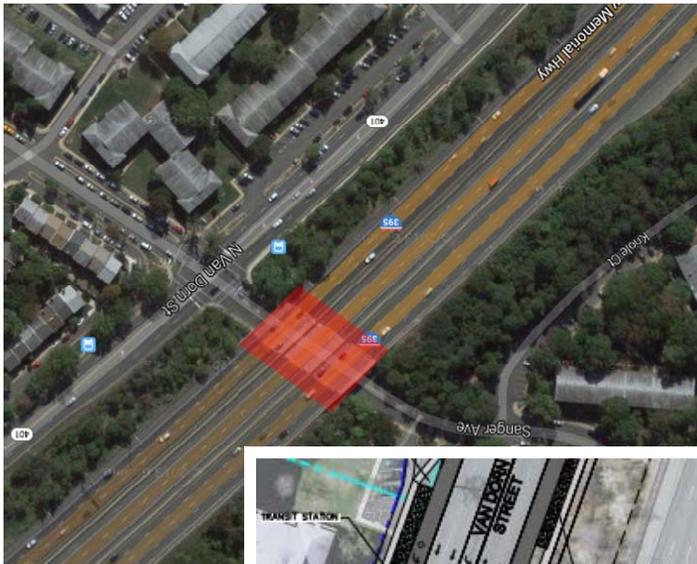
2018 Ranking: 11

Madison Street Bicycle Facility



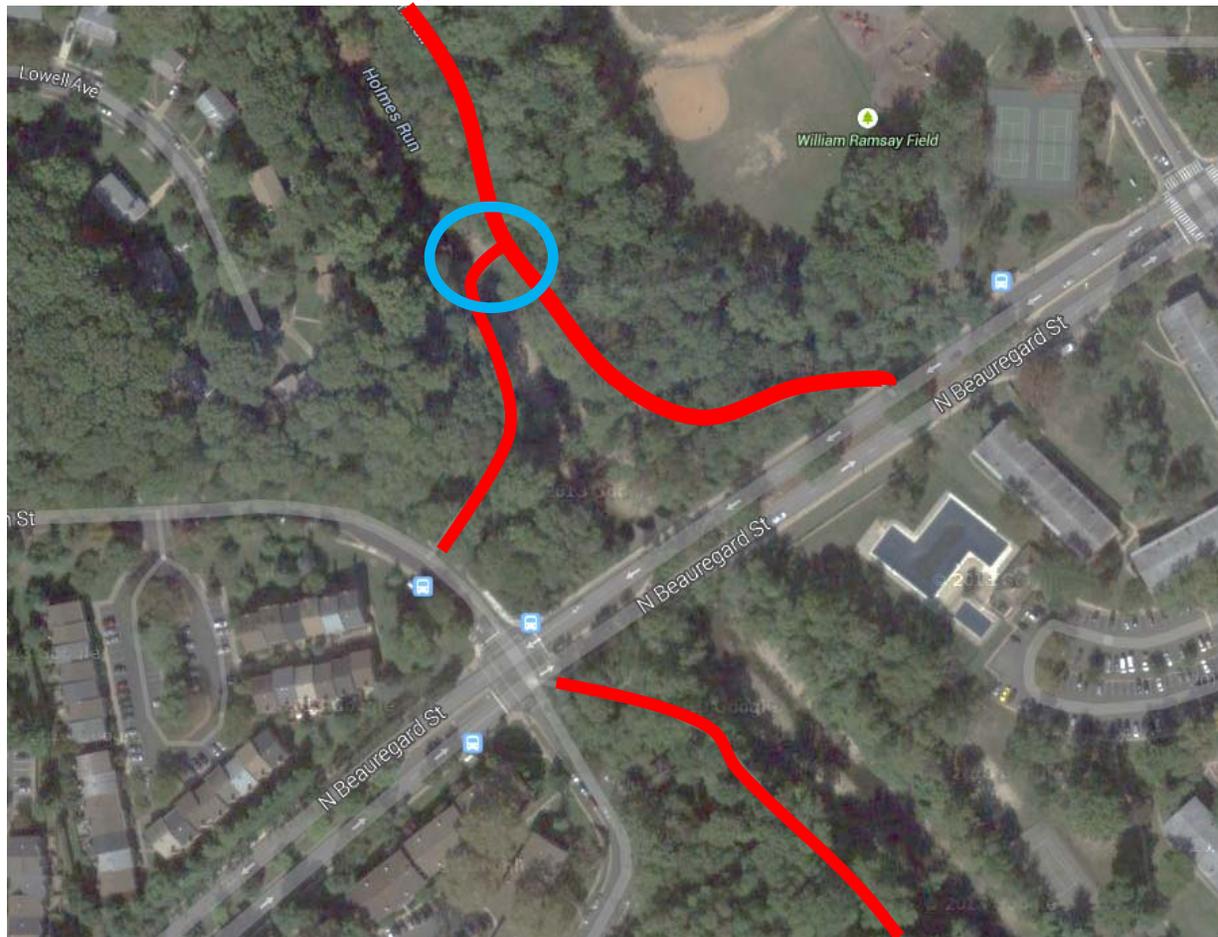
2018 Rank: 12

Sanger Avenue Bridge



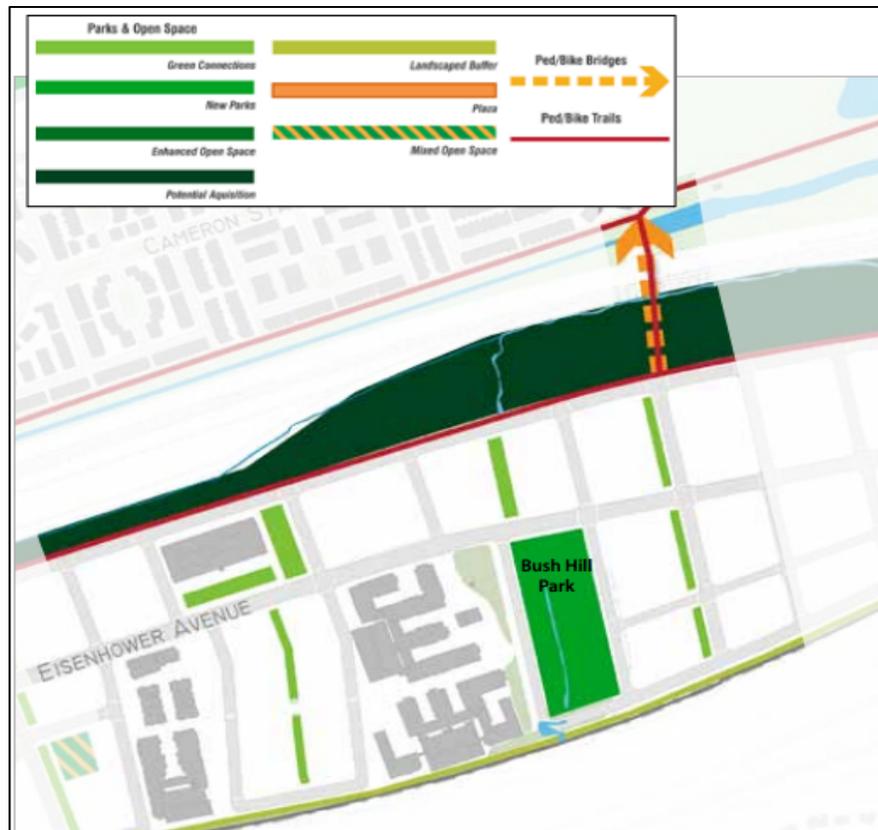
2018 Rank: 13

Holmes Run Trail at Morgan Street



2018 Rank: 14

Non-motorized bridge over Cameron Run



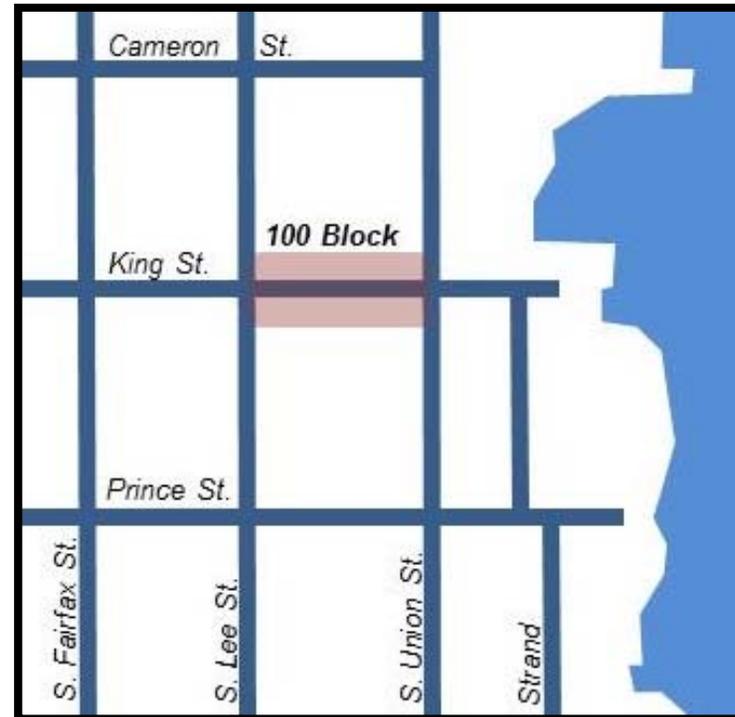


2018 Rank: 15

Connection between Potomac Yard Park to Mt.
Vernon Trail

2018 Rank: 16

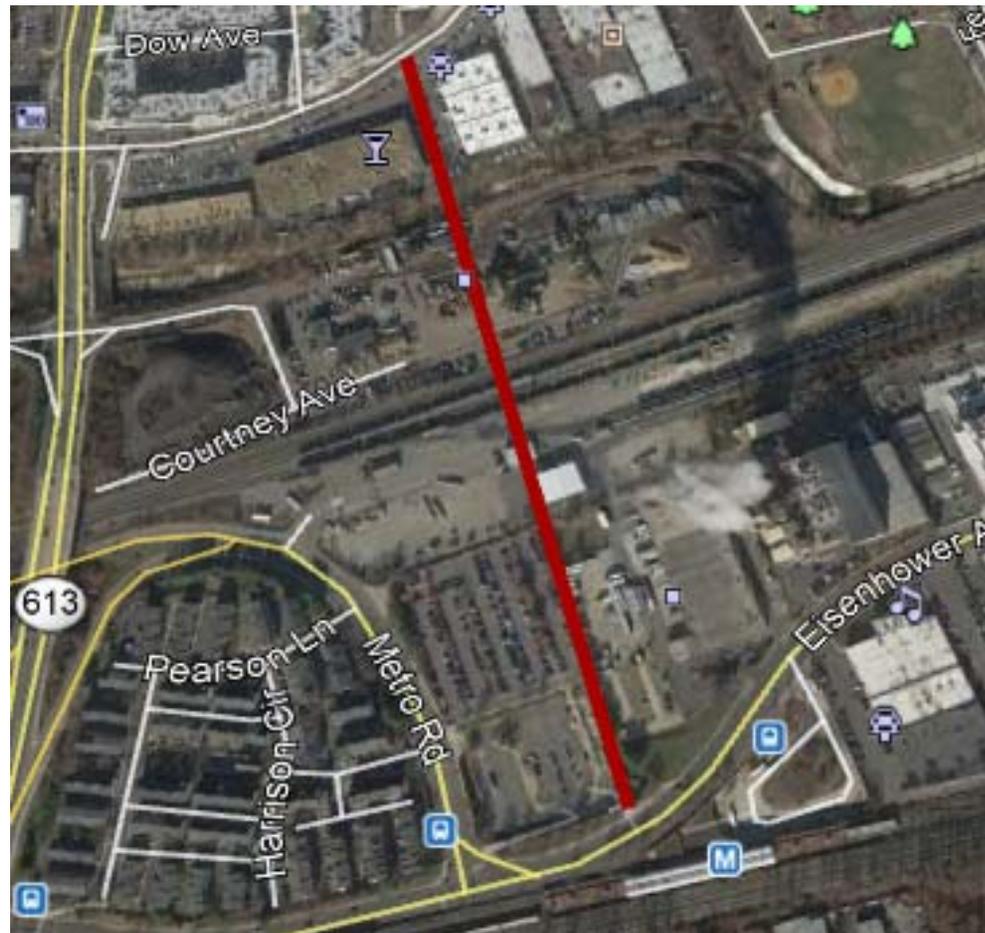
Pedestrian Improvements at King St. and Waterfront Area



2018 Ranking: 17



Multimodal Bridge to Connect Eisenhower Av.
And S. Pickett St.



2018 Rank: 18

Van Dorn Intersection Improvements



- Van Dorn at Edsall (Add WB right turn lane)
- Van Dorn at New Main Street (Add WB right turn lane)
- Van Dorn at Eisenhower (Add EB/WB Thru lane)

2018 Rank: 19

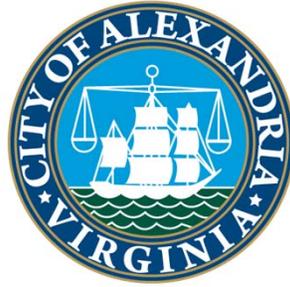
Edsall Road Connector to Farrington Ave.



2018 Rank: 20

I-395 Access to West End Town Center





I-395 Shirlington Road Interchange Improvements Study

Agenda Item #6

Olivia Daniszewski, EIT - VDOT

Study Purpose & Goal

- Identify safety & operational issues
- Develop recommendations for the operations & safety improvements
- Address residents' concerns & incorporate feedback



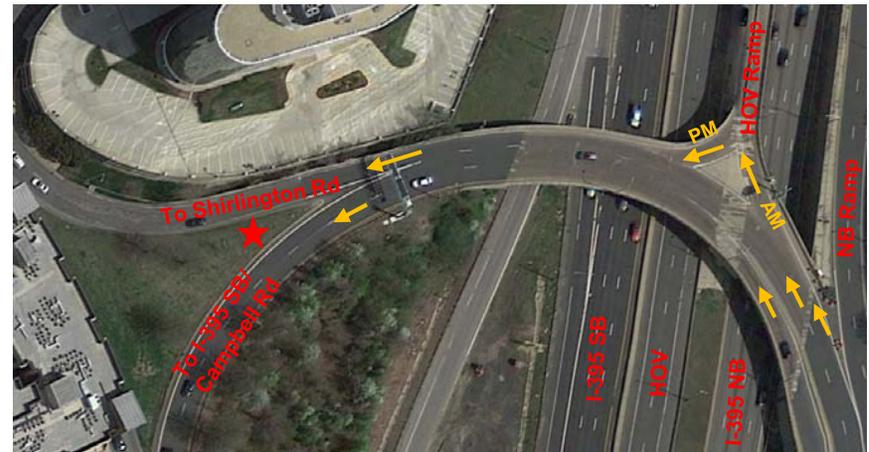
Study Limits

- The I-395 Shirlington interchange
- The ramp from Glebe Road (Route 120) to southbound I-395
- The intersection of Shirlington Road and Arlington Mill Drive
- The intersection of Gunston Road and Martha Custis Drive

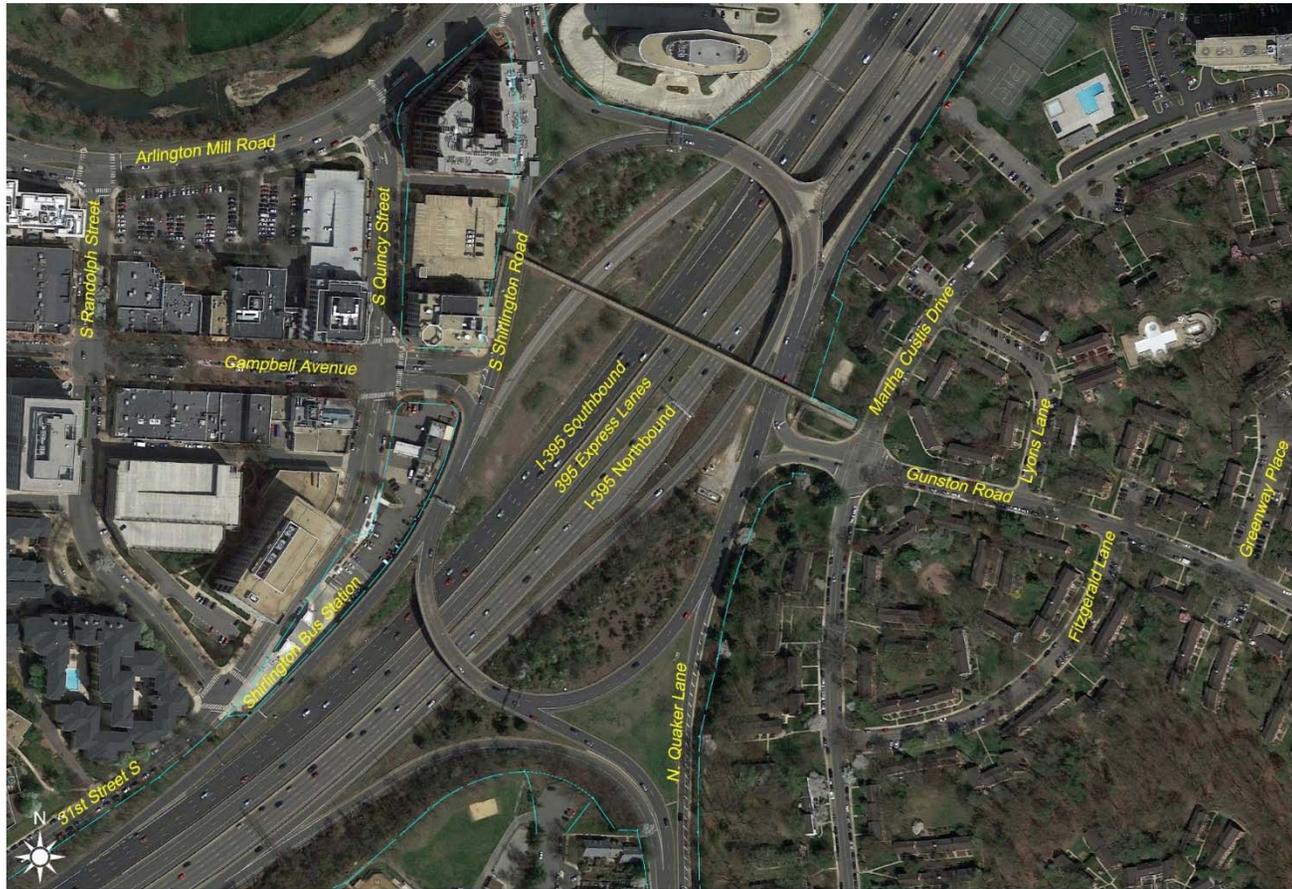


Study Status

- Collected data, identified safety and operational issues
- Identified potential improvements and solicited feedback from our local government partners
- Detailed analysis and conceptual plans of the alternatives:
 - 6 alternatives focus on Shirlington Road rotary (S - #)
 - 2 alternatives focus on Glebe Road ramp (G - #)



I-395 Shirlington Road Interchange



Two Example Improvements

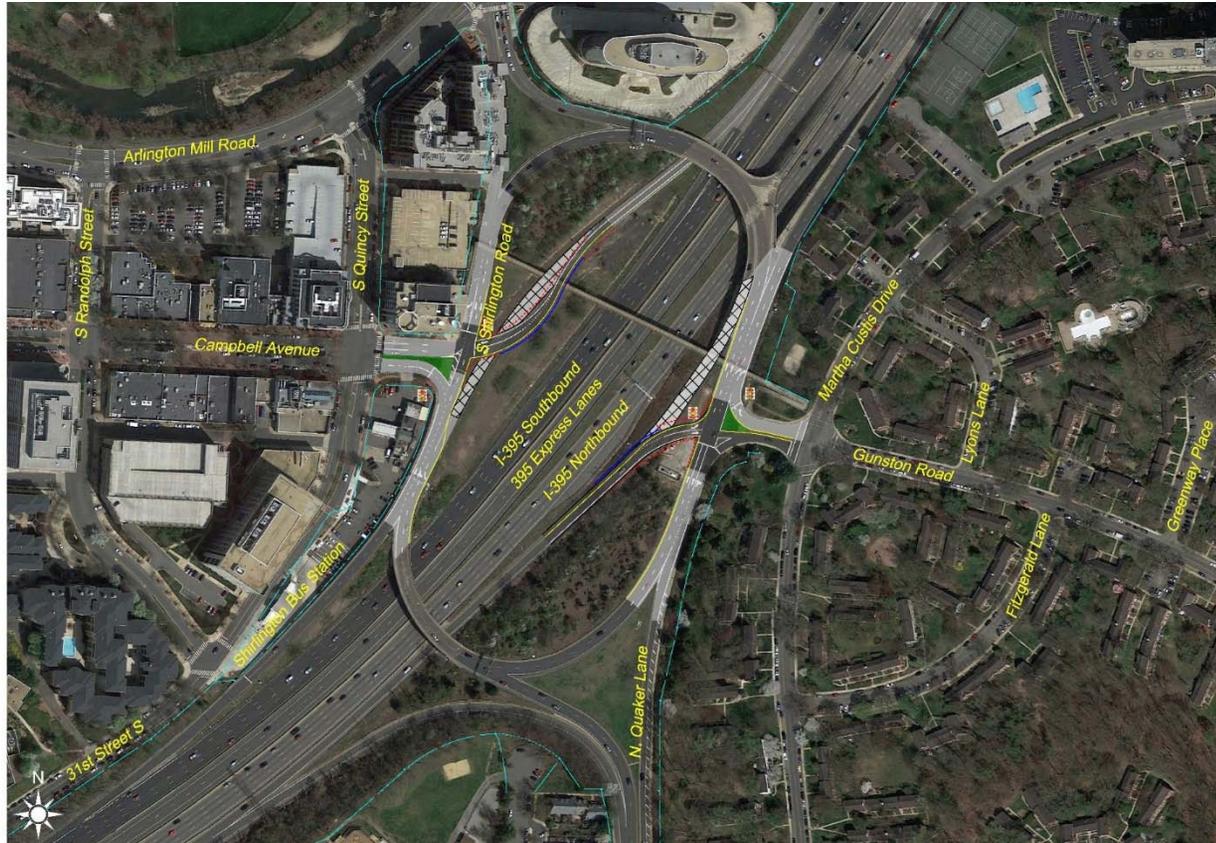


Virginia Department of Transportation

The recommended improvements may combine alternatives:

- Alternative S-3: Add Lane to Arlington Mill Drive Exit
- Alternative S-4: Create Signalized T-intersection with Rotary & Quaker Lane

Two Example Improvements



Virginia Department of Transportation

The recommended improvements may combine alternatives:

- Alternative S-5: Create Signalized Intersection with I-395 NB Off-Ramp & Gunston Road
- Alternative S-6: Create Signalized Intersection with I-395 SB Off-Ramp & Campbell Avenue

General Improvements

- **Repair and replace existing interchange lighting**
- **Refresh pavement markings**
- **Increase or move advanced signing in areas where short weave lengths exist**
 - **Arlington Mill Road and I-395 SB split**
- **Clear overgrown vegetation to increase sight distance and decision timing**

Schedule & Funding

- **Interim Public Information Meeting** **May 21, 2018**
- **End of Public Meeting Comment Period** **June 20, 2018**
- **Analysis of Alternatives** **Summer 2018**
- **Final Public Information Meeting** **Fall 2018**
- **Issue Final Report** **Late Fall 2018**
- **Budget** **\$1.6 Million**

Next Steps for the Study

- Operational Analysis
- Cost Estimates
- If funded, this effort could move forward as a Project.



Questions?

- **Email** meetingcomments@vdot.virginia.gov
 - Please include “I 395 Shirlington Interchange Improvements Study” in the subject line
- **Project Webpage:** http://www.virginiadot.org/projects/northernvirginia/i-395_shirlington.asp
- **If you have any further questions, please contact:**

Olivia Daniszewski, EIT	Preliminary Engineering	4975 Alliance Dr Fairfax, Va 22030	703-259-2318
----------------------------	----------------------------	---------------------------------------	--------------



Central Alexandria Traffic Study

Agenda Item #7



Presentation to City Council

1. Task Force Background
2. Study Overview
3. Short/Mid Term Recommendations
4. Long Term and Policy Recommendations



Task Force Background

2015

- Initial traffic study and community engagement
- No agreement on mitigation measure that wouldn't simply shift the problem to another neighborhood

2016

- Task Force established with 2 members from each of the 4 impacted neighborhoods with the goal of working together to find solutions that were agreeable to all neighborhoods

2017

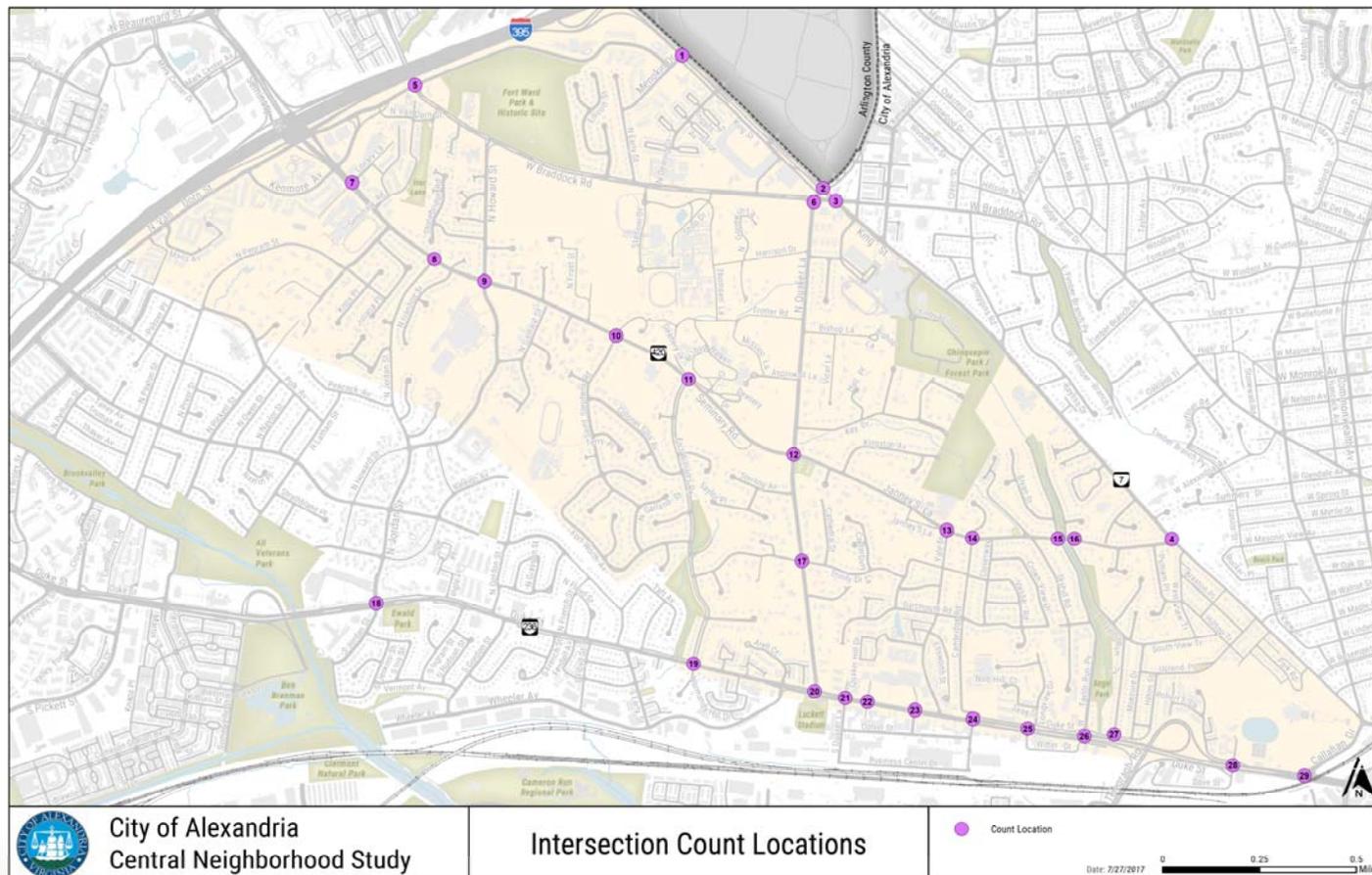
- Task force meetings, data collection and findings

2018

- Recommendations proposed, discussed and refined
- May 2017 – Memo to City Council with recommendations

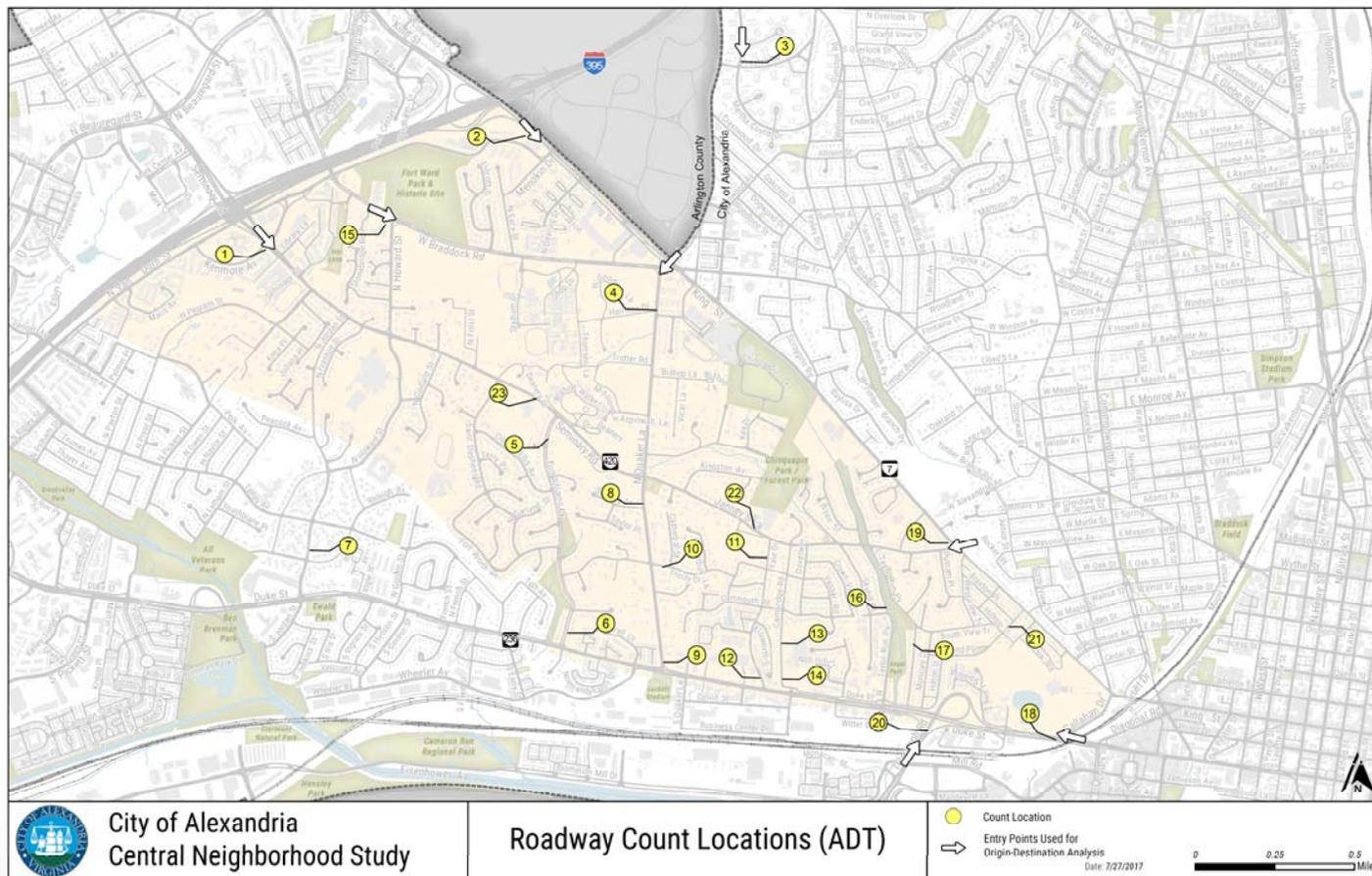
Study Overview

- Peak hour (6-9am & 4-7pm) turning movement counts collected at **29 intersections**



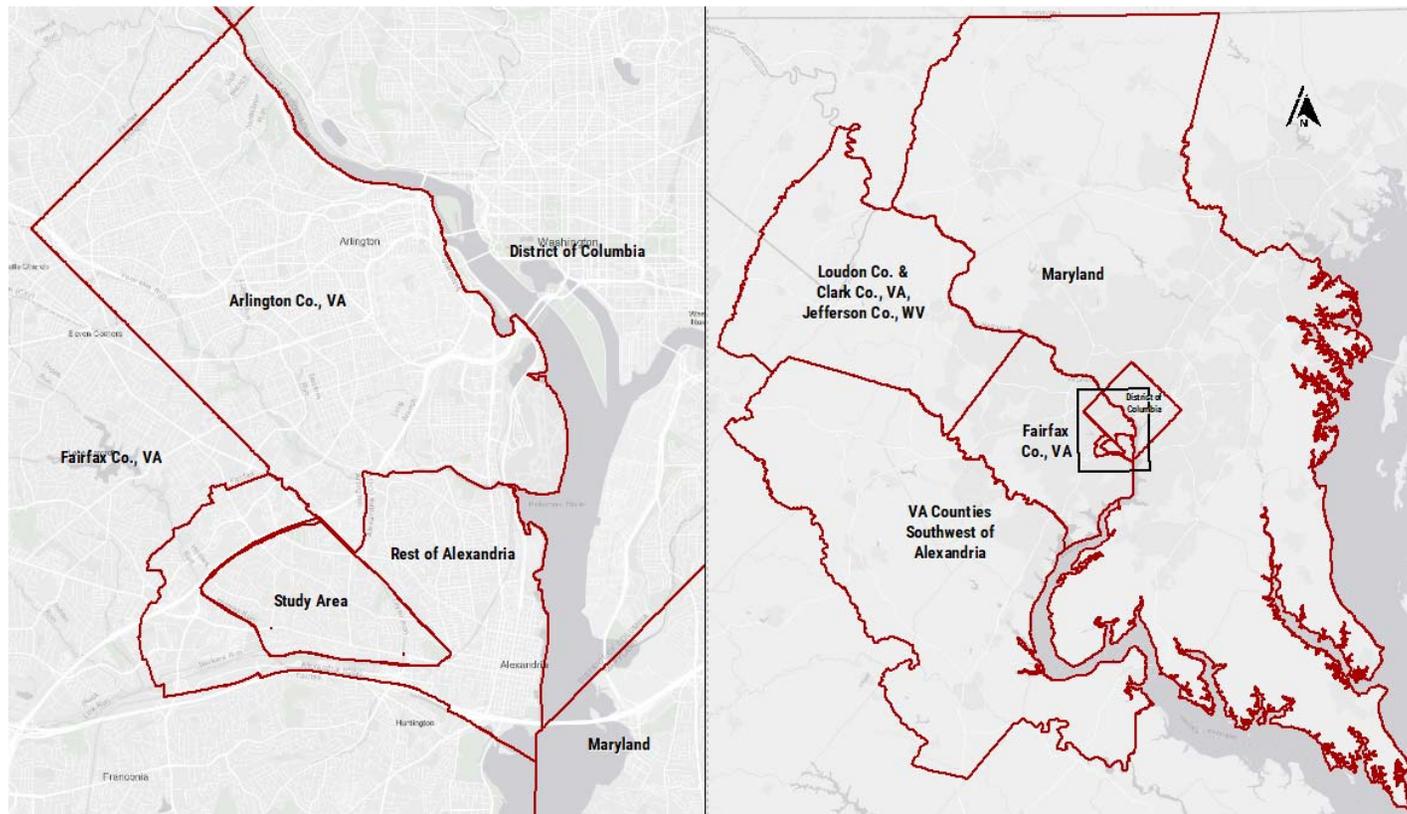
Study Overview

- Speed, Volume, and Bluetooth Origin-Destination data collected over 2 week period at 23 locations



Study Overview

- Anonymous cell phone Origin-Destination data collected for **6 External Zones**





Key Takeaways

- Diversion through neighborhoods is worse in PM
- More than half of daily trips in Study Area are people who live or work in the Study Area
- Increasing capacity on Duke Street would lead to higher traffic volumes in future



Central Alexandria Traffic Study

Short Term Recommendations

1. PM (4-6pm) Turn Restrictions
 - E Taylor Run – Southbound Right Turn onto Access Rd
 - Moncure Drive/Hilton Street – Southbound Right Turn onto Access Rd
2. Reconfigure East Taylor Run Parkway and South View Terrace intersection to create safer turns
3. New and Upgraded crosswalks
4. New mid-block crossing on West Taylor Run Parkway at Angel Park
5. Additional speed cushions on East Taylor Run Parkway, Yale Drive, and North Jordan Street
6. Begin redesign of Duke Street at West Taylor Run Parkway intersection



Central Alexandria Traffic Study Long Term Recommendations

1. Implement recommendations in from Pedestrian and Bicycle Master Plan, Safe Routes to School Walk Audits, and Vision Zero
2. Initiate complete streets review prior to Seminary Road and Cambridge Road resurfacing
3. Initiate design of Seminary Rd and N Howard St intersections through Complete Streets program



Civic Association Recommendations

1. Engage regional leaders to provide transportation choices
2. Redesign the West Taylor Run Parkway at Duke Street intersection
3. Accelerate Corridor "B" design
4. Prioritize Duke Street for Adaptive Signal Control
5. Pilot 15 MPH "Slow Zones" in TRCA and CCPCA
6. Encourage greater use of alternative modes of transportation
7. Continue Task Force efforts



Next Steps

- Summer 2018
 - Turn restrictions implemented
 - Short term traffic calming measures installed
- Fall 2018
 - Public meeting to provide overview on City efforts for long term and policy recommendations
 - Begin design & community outreach for West Taylor Run at Duke Street project

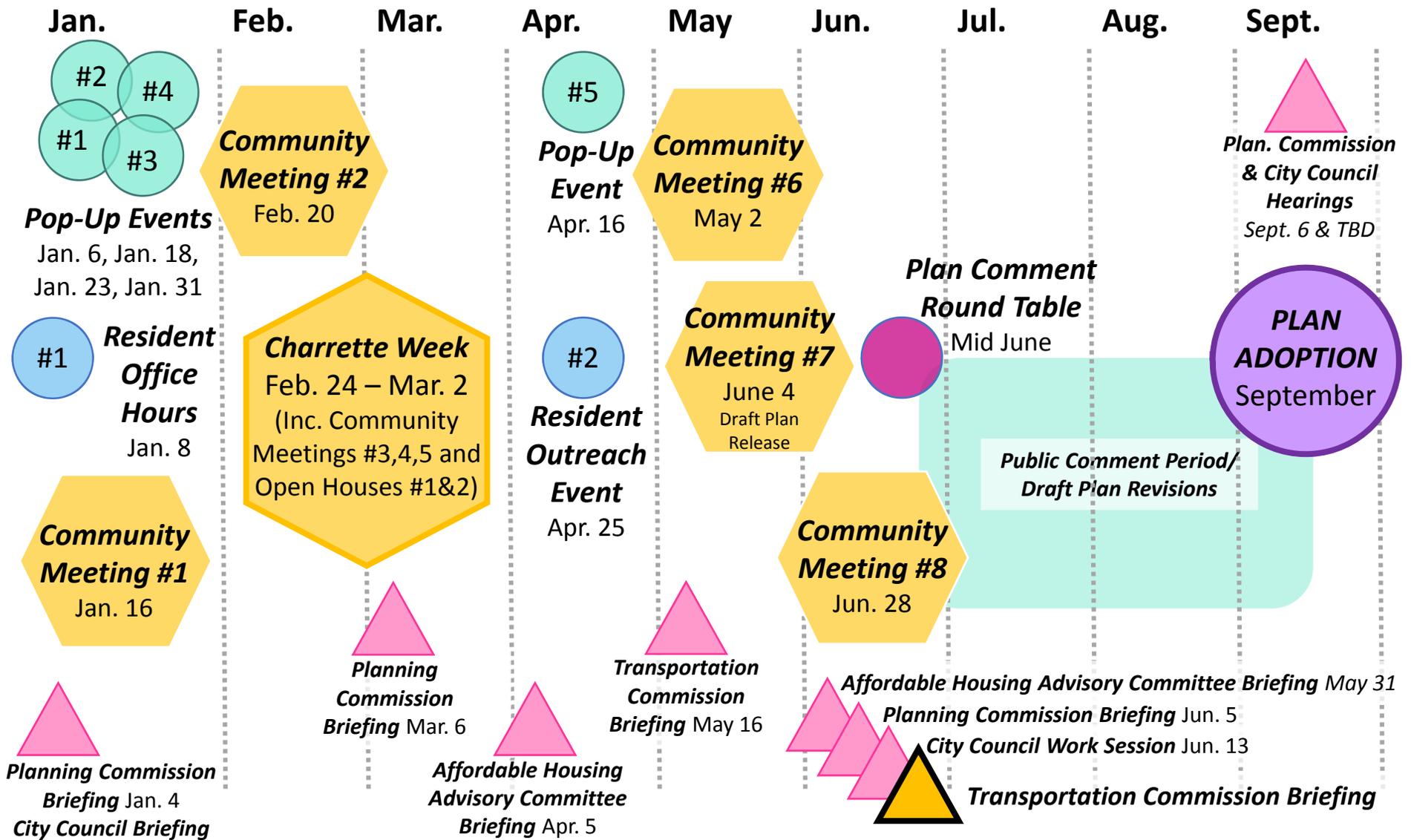


Route 1 South Affordable Housing Strategy

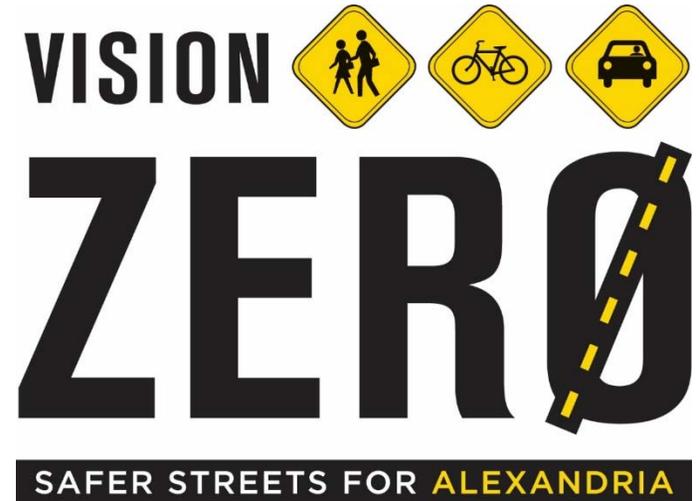
Agenda Item #8

Action Item

Plan Schedule – Next Steps



Route 1/ S. Patrick St.

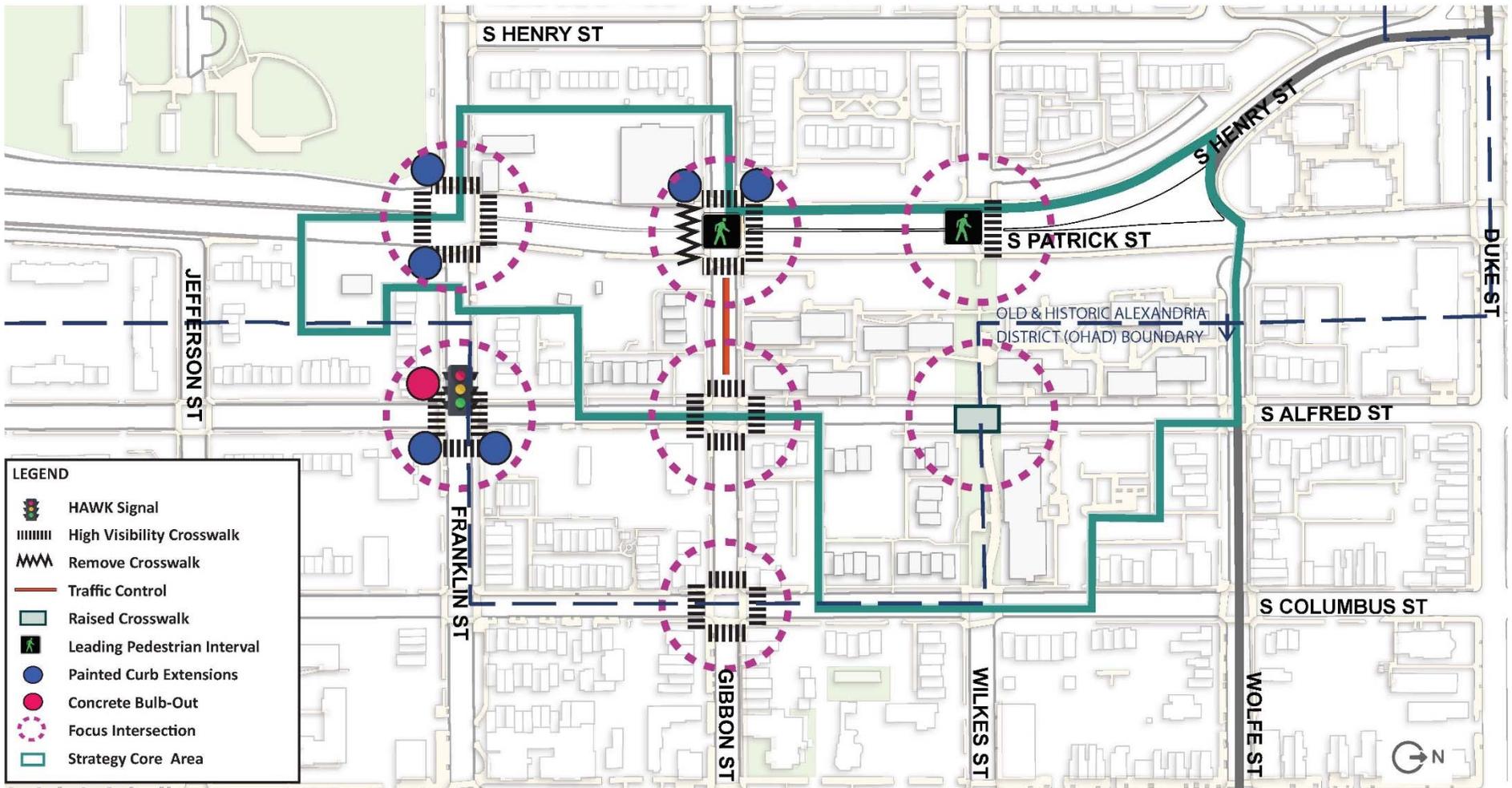


Resolution No. 2757

The City of Alexandria adopts a goal of eliminating traffic-related deaths and serious injuries by 2028; endorses Vision Zero as a comprehensive and holistic approach to achieve this goal. (01.24.17)

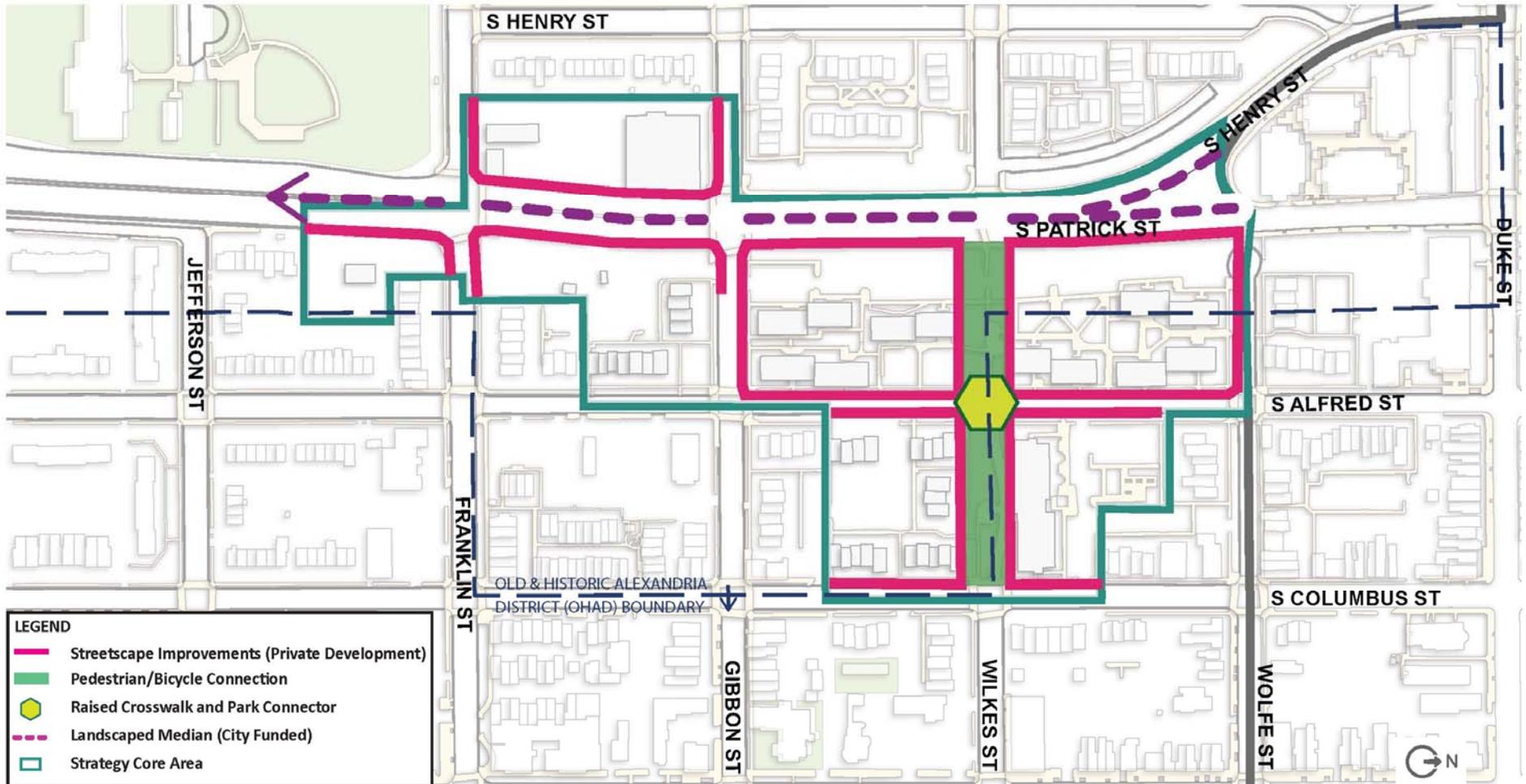
Near-Term Improvements

Figure 4.1



Mid and Long-Term Vision

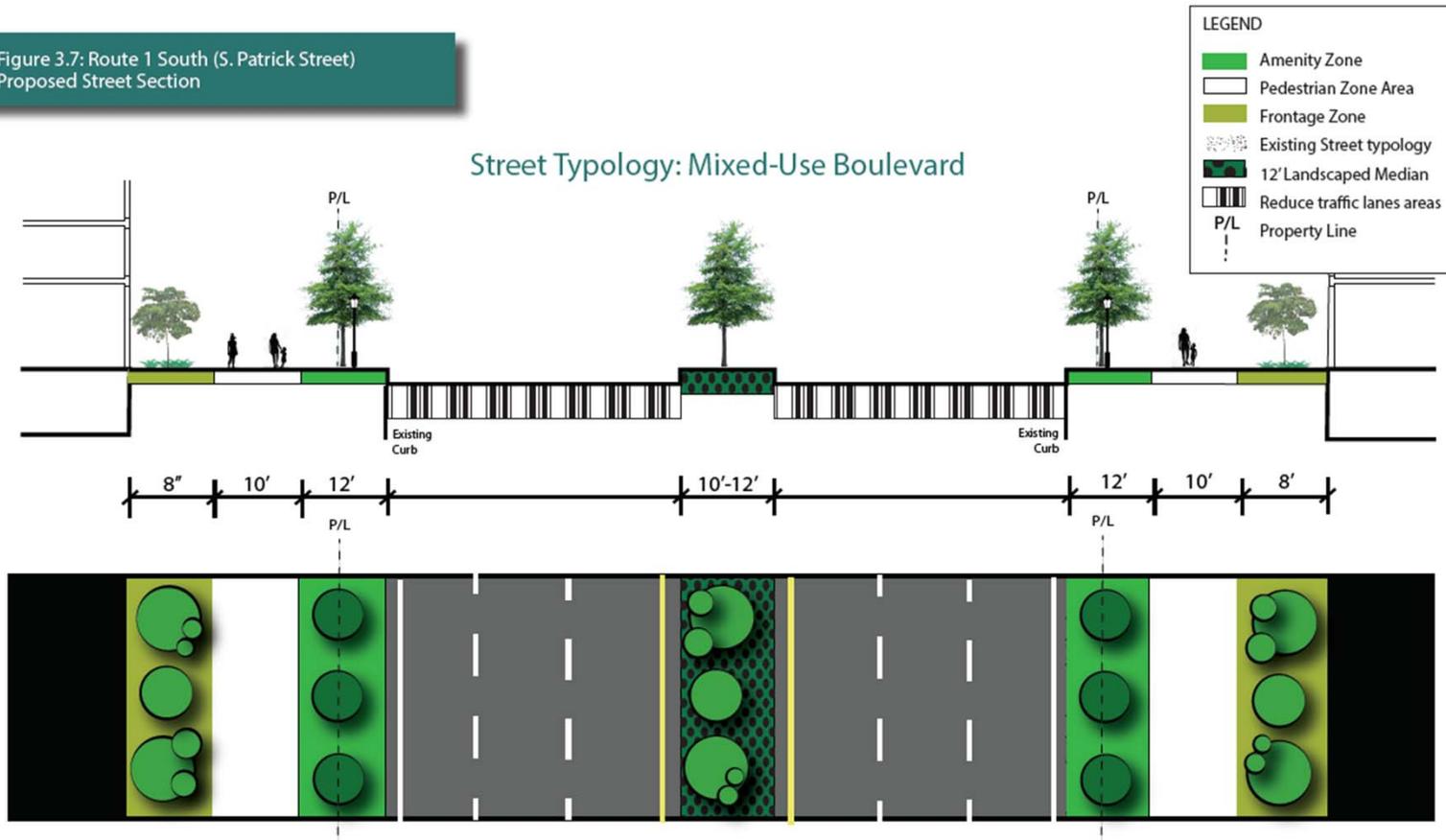
(Public and Private Improvements) Figure 4.2



Route 1/ S. Patrick St.

Street Section – Figure 3.7

Figure 3.7: Route 1 South (S. Patrick Street)
Proposed Street Section



Franklin, Gibbon, and Alfred Streets

Street Sections

Figure 3.8: Franklin and Gibbon Streets Section

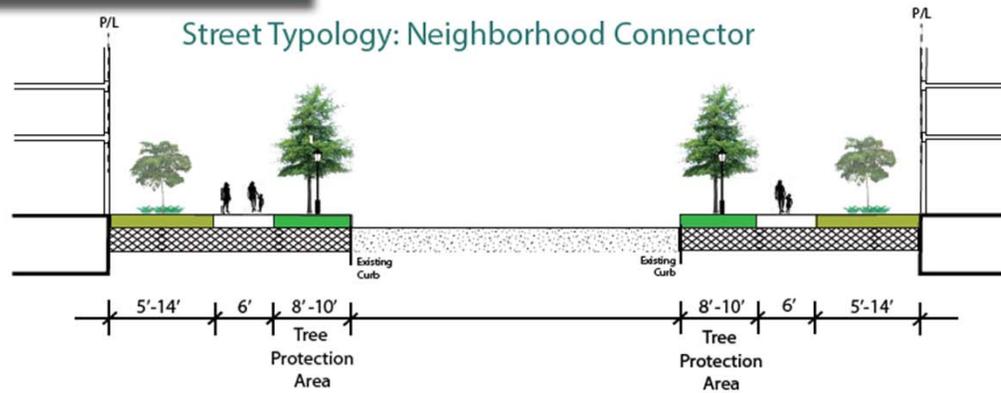
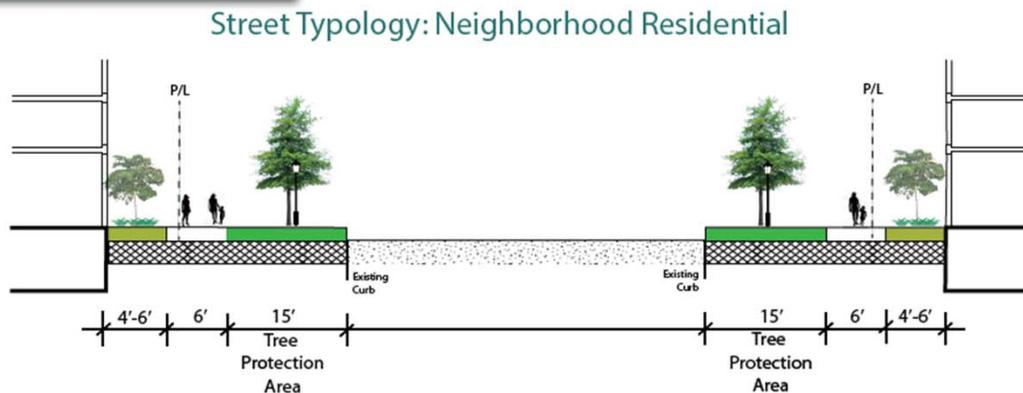


Figure 3.9: Alfred and Wolfe Streets Section



LEGEND

- Amenity Zone
- Pedestrian Zone Area
- Frontage Zone
- Existing Street typology
- 12' Landscaped Median
- Reduce traffic lanes areas
- P/L Property Line

Notes (Figures 3.7, 3.8, 3.9):

1. All dimensions are approximate. Final dimensions may vary based on actual Survey.
2. Where additional area is needed for the streetscape, it will be dedicated as right-of-way or a public easement.
3. Existing mature street trees will be retained to the extent feasible as part of the development review process.
4. The final dimension of the frontage zone will be determined as part of the development review process based on the context of the street.

26



Alfred Street (Looking South)



Route 1/ S. Patrick St. Gateway Entrance

(Looking North)



Draft Guiding Principle

Safe streets for all, prioritizing people walking and biking, consistent with the City's Complete Streets Design Guidelines and Vision Zero Action Plan.

Draft Recommendations:

- Implement near-term improvements depicted in Figure 4.1
- Pursue City grant funding and other funding for implementation of mid- and long-term improvements
- Redevelopment will implement streetscape improvements
- Redevelopment will fund improvements to accommodate people walking and biking within Wilkes Street Park.
- Implement an at-level crossing on Alfred Street connecting the east and west sides of the Wilkes Street Park.
- Each redevelopment site will conduct a transportation analysis
- Explore the feasibility of extending the Route 1 median south of Franklin Street and/or other methods to calm traffic in collaboration with VDOT.
- The City will explore the feasibility of a signalized pedestrian crossing for Route 1 at Wolfe Street, and/ or other street operational changes for pedestrian and bicyclist safety improvements



Action:

- That the Transportation Commission review and endorse the Mobility, Safety, and Neighborhood Connectivity Principle and Recommendations as part of the *Route 1 South Housing Affordability Strategy*.





Pedestrian and Bicycle Plan Implementation and Complete Streets Update

Agenda Item #9



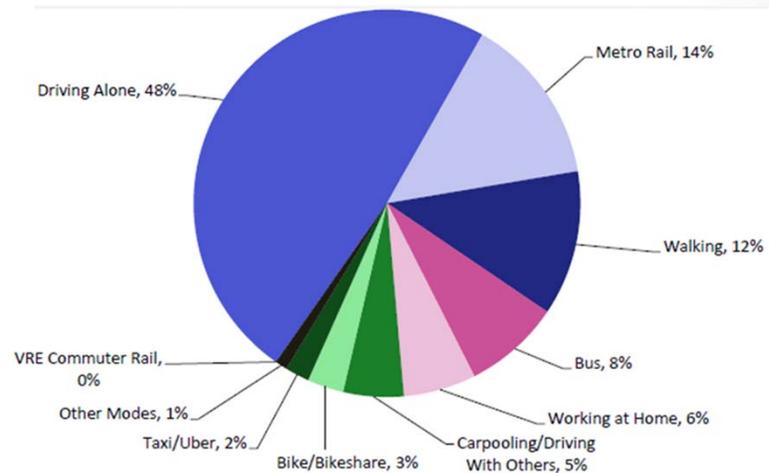
"Ped/Bike Chapter"

- Adopted April 2016
- Included following goals for walking and bicycling:
 - **Goal #1. Safety:** Safe, well-maintained, comfortable and enjoyable pedestrian/bicycle environment
 - That encourages walking/bicycling
 - That is accessible/safe/convenient for people of all ages and abilities.
 - **Goal #2. Engineering:** Continuous, connected and accessible pedestrian/bicycle networks
 - Both on-street and off-street facilities and bicycle parking
 - Enable people of all ages and abilities to move safely and comfortably
 - **Goal #3. Encouragement:** Promote walking and bicycling to
 - Improving transportation circulation, transit access, public health, environmental quality and recreation
 - Ultimate goal of increasing walking and bicycling trips
 - **Goal #4. Education:** Educate users of all modes about bicyclist and pedestrian safety, rights and responsibilities.

Performance Measures and Highlights



- Vision Zero resolution and Action Plan.
- Safe Routes to School for all Alexandria elementary schools.
- New sidewalk segments
 - Including first permeable concrete sidewalk
- Over 14 lane miles of on-street bicycling accommodations.
- All priority trails projects funded
- Capital Bikeshare ridership growth.
- Silver Designation as a Walk Friendly Community
- Silver Bicycle Friendly Community status renewed
- King Street Complete Streets project
 - One of the "Best Complete Streets Projects of 2017" by National Complete Streets Coalition.
- More details in Attachment 1



City of Alexandria Resident Transportation Needs Assessment Survey: Report of Results. January 2017.

CZ2

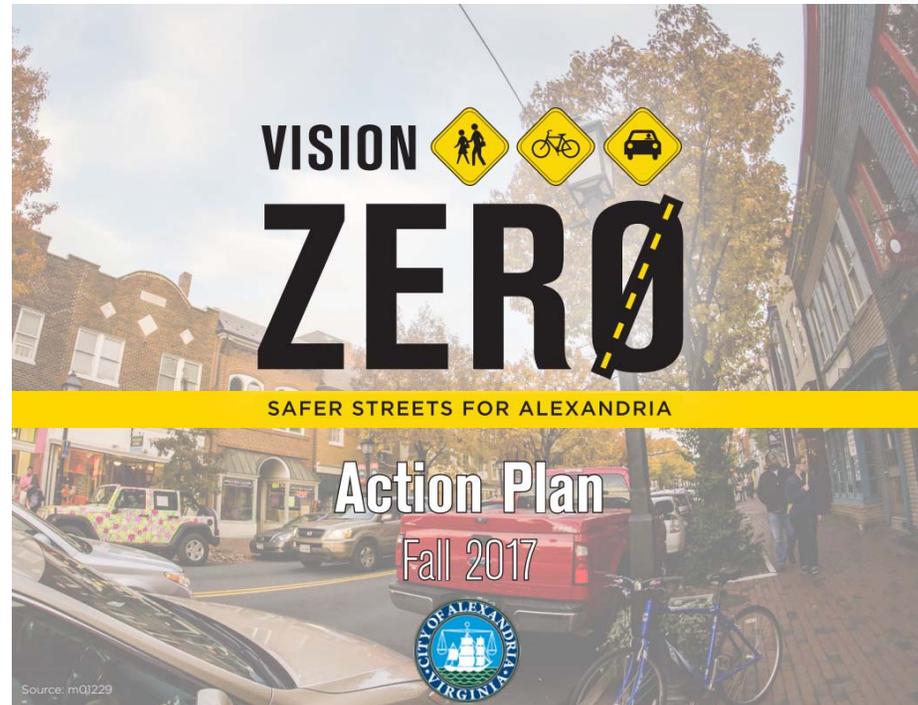
Add Chart source

Christopher Ziemann, 6/20/2018



Progress Self Assessment

- Attachments 2 – 5
- Objectives and strategies
 - All initiated
 - Progress on a majority
- Vision Zero Action Plan completed
- Need:
 - Partnering with ACHD and DCHS



Priority Projects

- Attachment 6
- Progress on bicycle and sidewalk projects
- Grants for larger projects
- Funding for ALL priority trails



King Street

Pedestrian Case Study Progress



- Attachment 7
- Recent inspection of all six sites
- Completion range
 - 7.9% (Seminary)
 - 36.5% (Duke St)
- Pedestrian signals
- Crosswalk restriping
- ADA ramps
- Continued Progress
 - Repaving coordination
 - Major projects



Cameron Street



Other Business

Agenda Item #10



Other Business

- 2019 Legislative Package
- Consideration for the July TC Meeting
- TC Retreat (September)
- Alexandria Transit Vision Plan – Joint TC/ATC Board Meeting
- Transit Vision Study Stakeholder Workshop – Sat September 29