

**Fairfax Blvd. and Warwick
Ave./McLean Ave.
Intersection Improvements**

Public Outreach Meeting
May 24, 2018

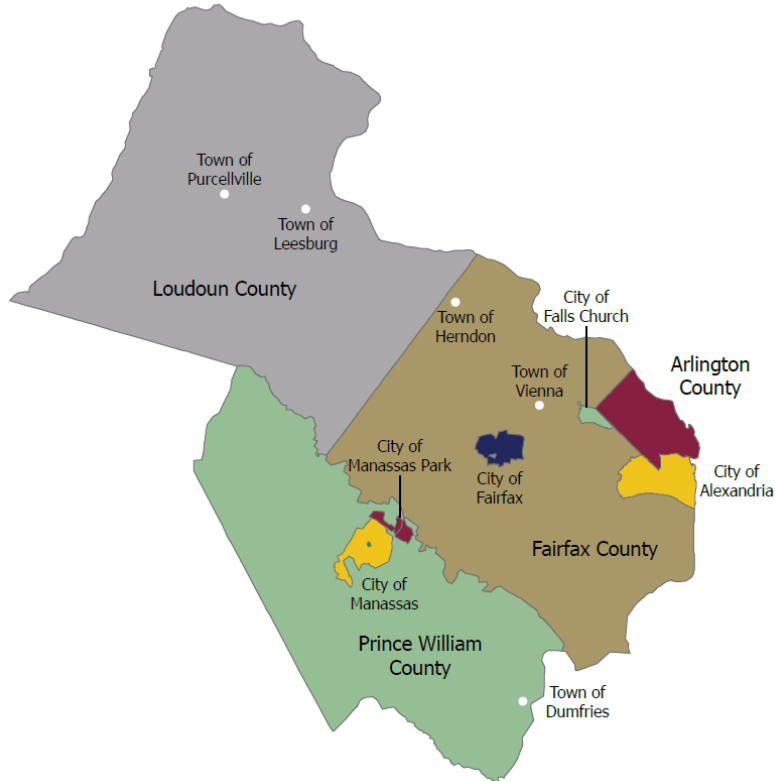
Tonight's Agenda

- ▶ Project Overview
 - Existing conditions
 - Improvement options
- ▶ Question and answers
- ▶ Obtain input from citizens and stakeholders

Project Goals


- ▶ Improve Traffic Flow and Safety
 - Reduce delay/queuing
 - Reduce intersection legs/traffic signal phases
 - Reduce conflict points
- ▶ Improve multi-modal mobility
- ▶ Protect adjacent neighborhoods
- ▶ Preserve redevelopment potential

Regional Context



- The City of Fairfax is well positioned in the regional transportation system
- The City is a member of the Northern Virginia Transportation Authority, which engages in regional transportation planning


Regional Context




NVTA's TransAction
Transportation Action Plan for Northern Virginia

TransAction Plan Draft for Public Comment Spring/Summer 2017

Comments are invited on this TransAction Plan, and associated TransAction Plan Project List. Please see the back cover for details of how to provide feedback.



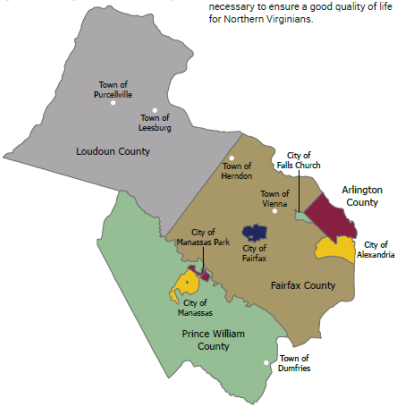
TransAction is developed and maintained by the Northern Virginia Transportation Authority ("NVTA" or "the Authority"). The NVTA is a regional body that is focused on delivering real transportation solutions and value for Northern Virginia's transportation dollars by bringing Northern Virginia jurisdictions and agencies together to prioritize projects and implement solutions.



Review the TransAction Plan Project List at:
NVTATransAction.org/resources/

TransAction is the multimodal transportation master plan for Northern Virginia. It is a long range plan addressing regional transportation needs through 2040. The Plan focuses on eleven major travel corridors in Northern Virginia, and identifies over 350 candidate regional projects for future transportation investments to improve travel throughout the region. TransAction is not bound to any budget, and proposes more projects than can realistically be funded. The results of TransAction are used to inform the NVTA's Six Year Program for capital funding, guiding decisions about which transportation improvements the NVTA should prioritize for investment.

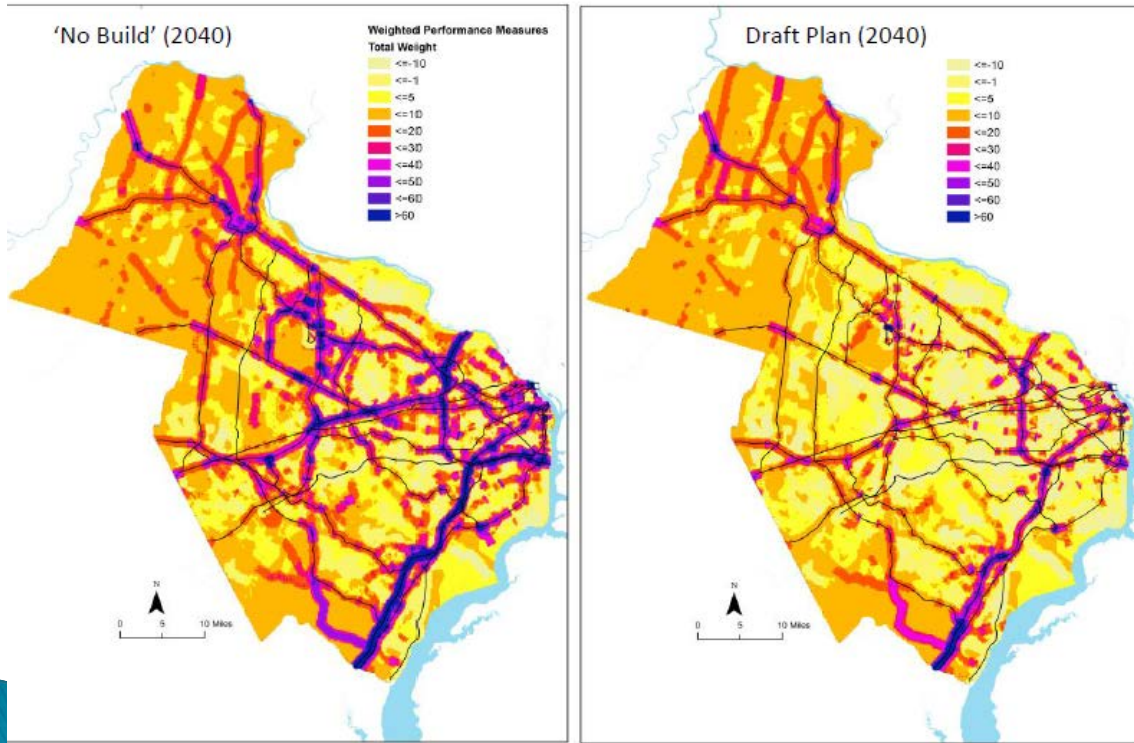
By 2040, population in Northern Virginia is forecast to increase by 24 percent, and employment by 37 percent. While this is great for the region's economic vitality, this growth is expected to increase traffic congestion and crowding on bus and rail services. Transportation investments, such as those included in TransAction, are necessary to ensure a good quality of life for Northern Virginians.



The map shows the following jurisdictions: Loudoun County, Town of Purcellville, Town of Leesburg, Town of Herndon, City of Falls Church, Arlington County, City of Manassas Park, City of Fairfax, City of Alexandria, Fairfax County, City of Manassas, Prince William County, and Town of Dumfries.

- NVTA recently updated the long range Transportation Plan, TransAction
- This plan identifies over 350 regional projects to improve travel throughout the region
- Some of the 350 projects are located in the City of Fairfax

Draft Plan compared to No Build



Even if the region were to construct all 358 projects proposed in the regional long range plan, we will still have congestion in the region

City of Fairfax Multimodal Plan



Vision for Transportation

In 2035, Fairfax is a city with options for residents to easily, safely, and efficiently move within and between neighborhoods either by walking, bicycling, taking public transportation, or driving.



66%

Of residents surveyed would prefer to travel by a means **other than driving alone** to work or errands

1/3 of all household trips



1/2 Of these short distance trips are driven

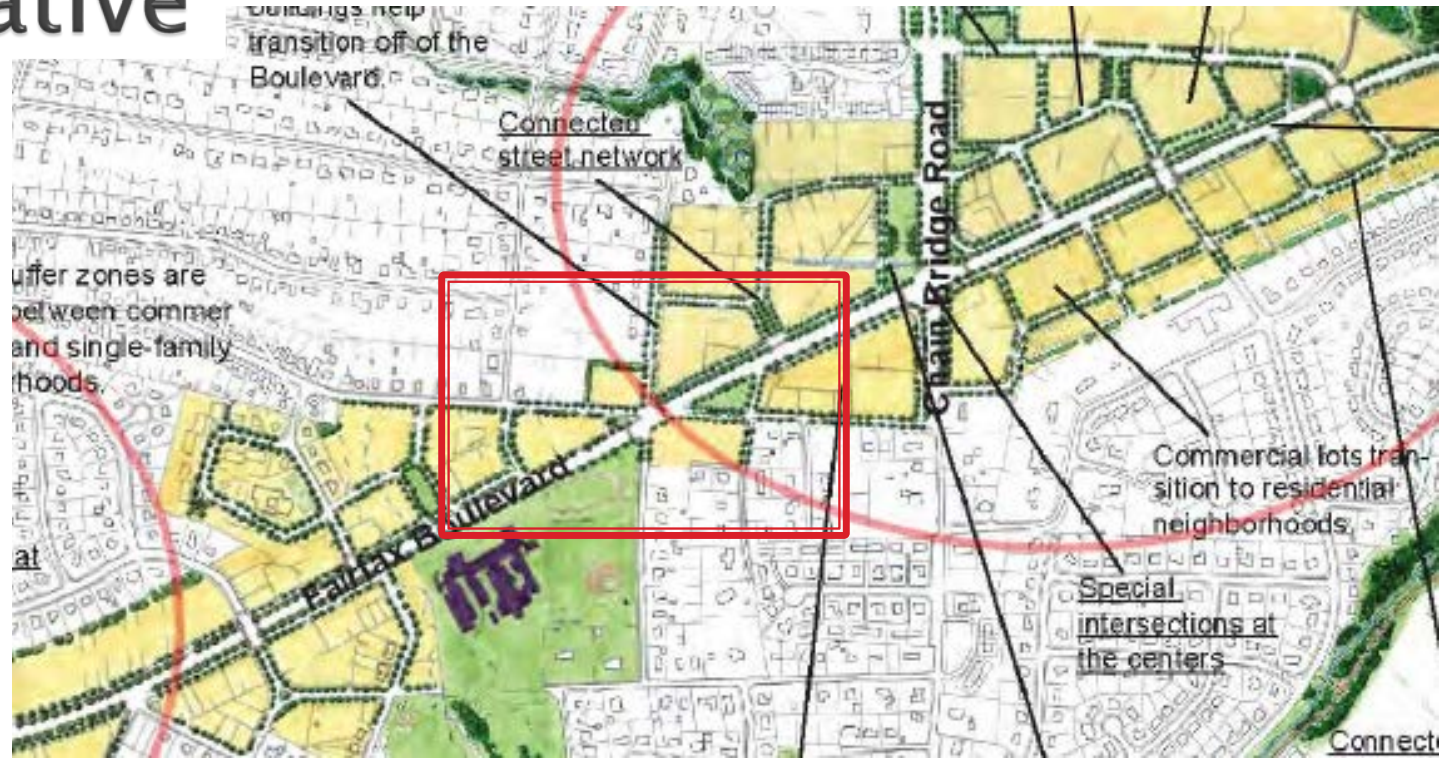


Fairfax Boulevard Vision and Summary

Illustrative Plan

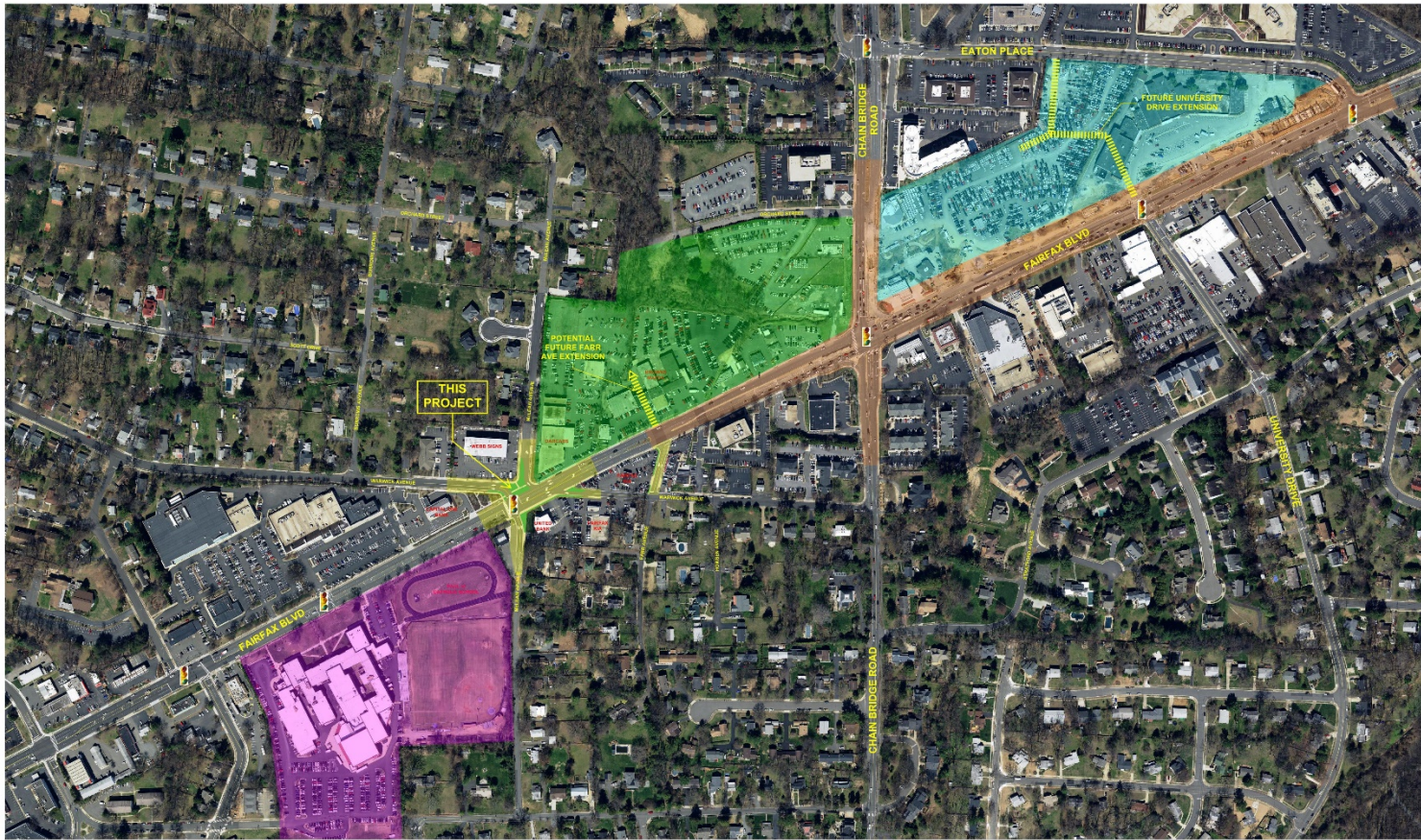


Fairfax Boulevard Vision and Summary Illustrative Plan



Surrounding Area/Development

- ▶ CUE Bus Route along Warwick Ave.
 - CUE Transit Development Plan (TDP) recommended re-routing CUE to Fairfax Boulevard.
- ▶ Northfax
- ▶ I-66 Construction
- ▶ Future Development
 - Paul VI re-development
 - Brown's Mazda potential redevelopment
 - American Legion potential redevelopment



FAIRFAX BLVD / WARWICK AVE / MCLEAN AVE - DEVELOPMENT OVERVIEW

INTERSECTION IMPROVEMENTS - CITY OF FAIRFAX, VIRGINIA - May 24, 2018

LEGEND

- APPROX. LIMITS - THIS PROJECT
- APPROX. LIMITS - POTENTIAL FUTURE WESTERN NORTHFAK REDEVELOPMENT AREA
- APPROX. LIMITS - POTENTIAL FUTURE NORTHFAK REDEVELOPMENT AREA
- APPROX. LIMITS - POTENTIAL FUTURE FAIRFAX VI REDEVELOPMENT
- NEW TRAFFIC SIGNAL OR EXISTING TRAFFIC SIGNAL TO REMAIN IN-PLACE





TWO-YEAR TRANSPORTATION PROGRAM POTENTIAL PROJECTS:



Additional Roadway Network In Northfax West of Chain Bridge Road

Eaton Place/Chain Bridge Road Intersection Improvements

George T. Snyder Trail Completion

Jermantown Road Widening (Between Fairfax Blvd & Route 1-66)



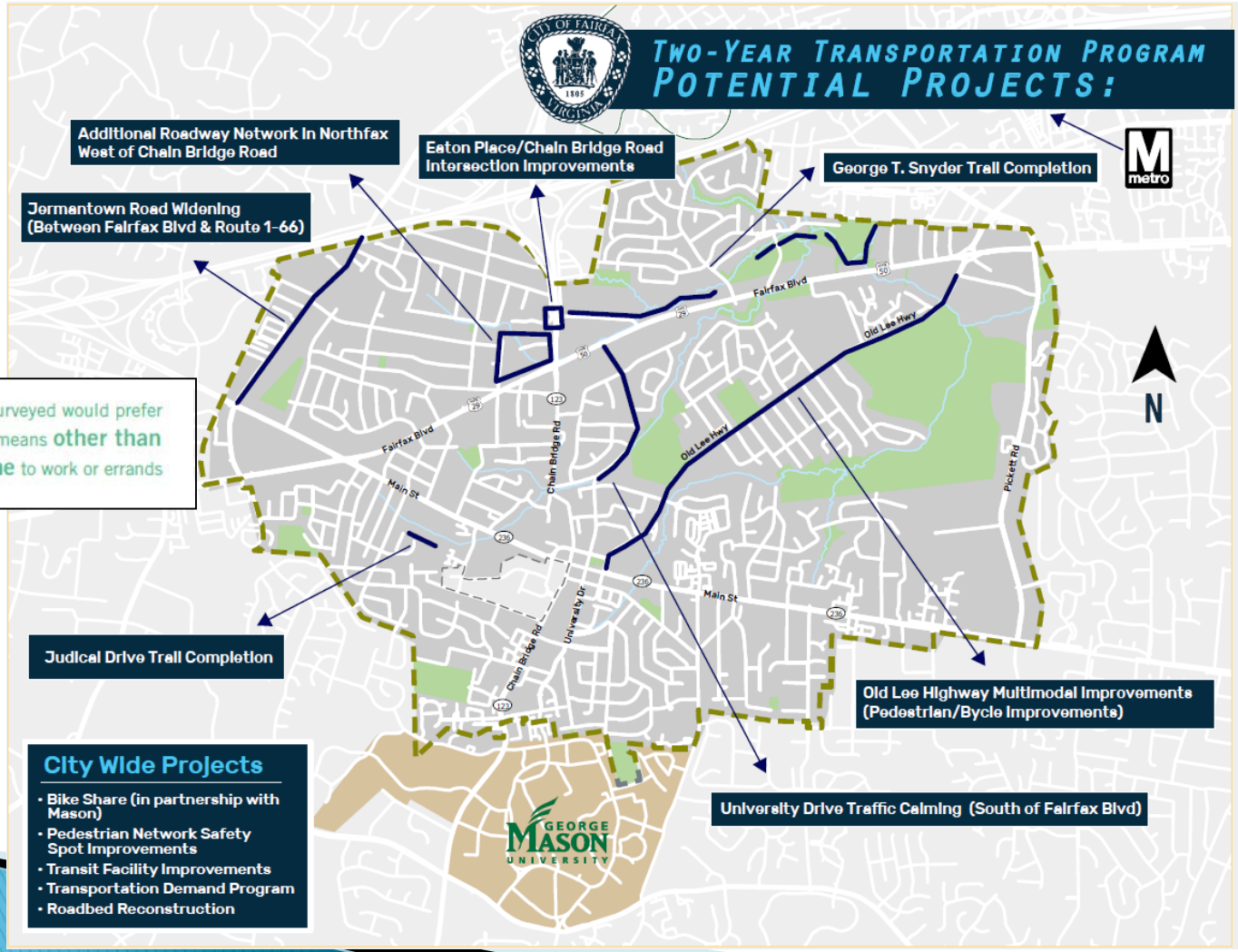
66% Of residents surveyed would prefer to travel by a means **other than driving alone** to work or errands

Judical Drive Trail Completion

Old Lee Highway Multimodal Improvements (Pedestrian/Bicycle Improvements)

- City Wide Projects**
- Bike Share (in partnership with Mason)
 - Pedestrian Network Safety Spot Improvements
 - Transit Facility Improvements
 - Transportation Demand Program
 - Roadbed Reconstruction

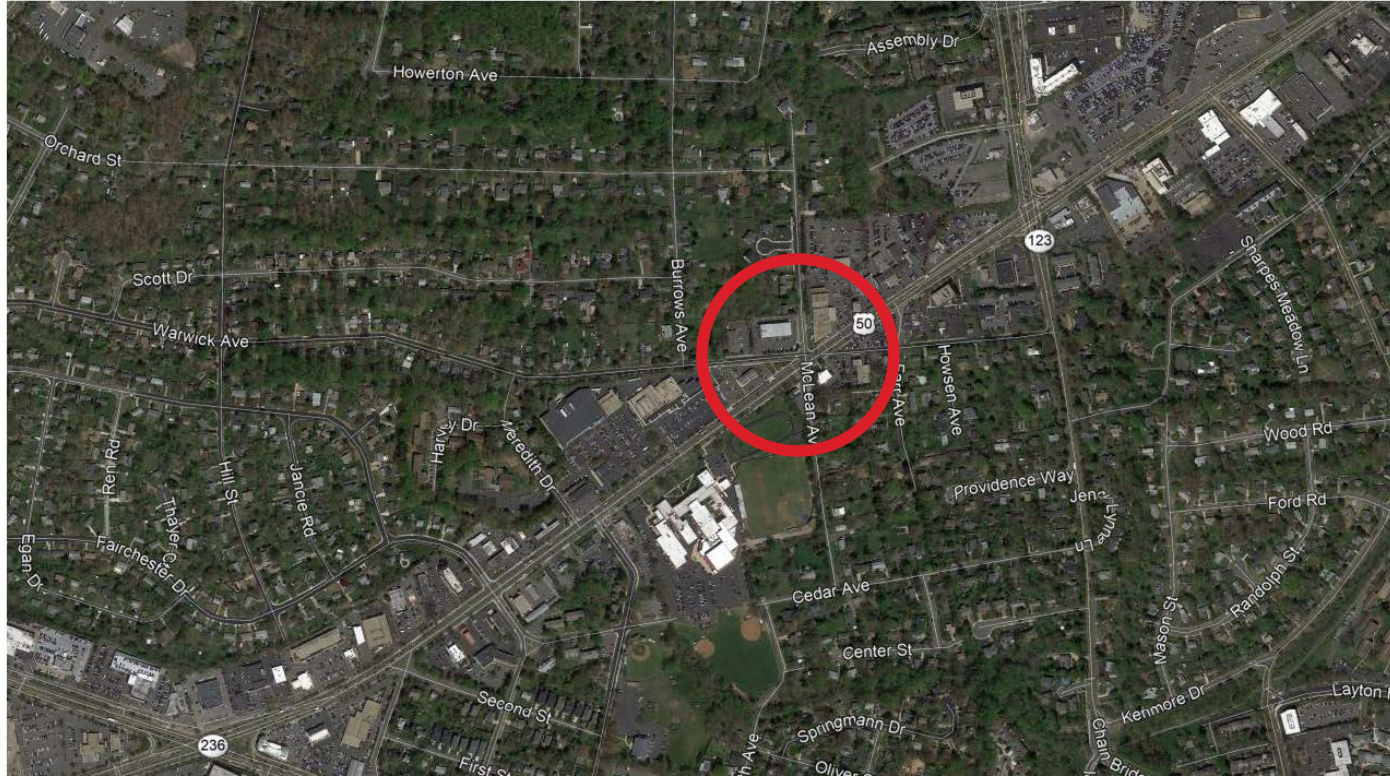
University Drive Traffic Calming (South of Fairfax Blvd)



Project Goals

- ▶ Improve Traffic Flow and Safety
 - Reduce delay/queuing
 - Reduce intersection legs/traffic signal phases
 - Reduce conflict points
- ▶ Improve multi-modal mobility
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Site Location Map



Existing Intersection

- ▶ Six-legged intersection with five distinct signal phases
 - VDOT/MUTCD Compliance
 - Approx. 20 seconds of lost time per signal cycle
- ▶ Large imbalance in volumes
 - Fairfax Blvd. 36,000 ADT and 2,200 peak hour trips
 - McLean Ave. 115 peak hour trips/Warwick Ave. 175 peak hour trips.
 - Low mainline lefts (20 in any peak hour)
- ▶ Long delays/queuing in peak hours
 - Eastbound traffic blocks Warwick Avenue

Existing Intersection

- ▶ Few pedestrian accommodations
- ▶ Significant crash history
 - 34 crashes at the intersection from 2011–2017
- ▶ Unconstrained commercial access points
 - More than 10 access points within 300' of intersection

Existing Intersection



Options Considered

- ▶ Started with 11 Options
 - Eliminate intersection legs
 - Change two way flow at certain intersection legs
 - Eliminate traffic signal
 - Convert intersection to roundabout
- ▶ Many Options Eliminated
 - Lack of operational benefits
 - Loss of access to roads/businesses
 - Perceived or actual negative impact to neighborhoods
 - Right-of-way impacts

Improvement Option #1



FAIRFAX BLVD / WARWICK AVE / MCLEAN AVE - OPTION 1
 INTERSECTION IMPROVEMENTS - CITY OF FAIRFAX, VIRGINIA - May 24, 2018

LEGEND

- GRASS / LANDSCAPE FEATURE
- CONCRETE SIDEWALK / CURB / CONCRETE FEATURE
- NEW PAVEMENT / ASPHALT FEATURE
- EXISTING TRAFFIC SIGNAL REMOVED
- NEW TRAFFIC SIGNAL OR EXISTING TRAFFIC SIGNAL TO REMAIN IN-PLACE



TIMMONS GROUP
 YOUR VISION ACHIEVED THROUGH DUAL.



Improvement Option #1

- ▶ Realigns the intersection (squares it up)
 - Reduces pedestrian crossing distance
 - Reduces lost time (and therefore delay/queue)
 - Reduces conflict points/confusion
- ▶ Maintains majority of access
 - SB McLean Avenue could use Burrows (22 AM/19 PM)
 - WB Warwick could use Farr or Chain Bridge Road to Fairfax (26 AM/34 PM)

Improvement Option #2



FAIRFAX BLVD / WARWICK AVE / MCLEAN AVE - OPTION 2
 INTERSECTION IMPROVEMENTS - CITY OF FAIRFAX, VIRGINIA - May 24, 2018

- LEGEND**
- GRASS / LANDSCAPE FEATURE
 - CONCRETE SIDEWALK / CURB / CONCRETE FEATURE
 - NEW PAVEMENT / ASPHALT FEATURE
 - EXISTING TRAFFIC SIGNAL REMOVED
 - NEW TRAFFIC SIGNAL OR EXISTING TRAFFIC SIGNAL TO REMAIN IN-PLACE



Improvement Option #2

- ▶ Provides slip right turn for southbound McLean Ave.
- ▶ This movement would be stopped at Warwick Ave. and then be able to access the signal

Improvement Option #3

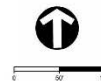


FAIRFAX BLVD / WARWICK AVE / MCLEAN AVE - OPTION 3

INTERSECTION IMPROVEMENTS - CITY OF FAIRFAX, VIRGINIA - May 24, 2018

LEGEND

- GRASS / LANDSCAPE FEATURE
- CONCRETE SIDEWALK / CURB / CONCRETE FEATURE
- NEW PAVEMENT / ASPHALT FEATURE
- ⊘ EXISTING TRAFFIC SIGNAL REMOVED
- ⬆ NEW TRAFFIC SIGNAL OR EXISTING TRAFFIC SIGNAL TO REMAIN IN PLACE

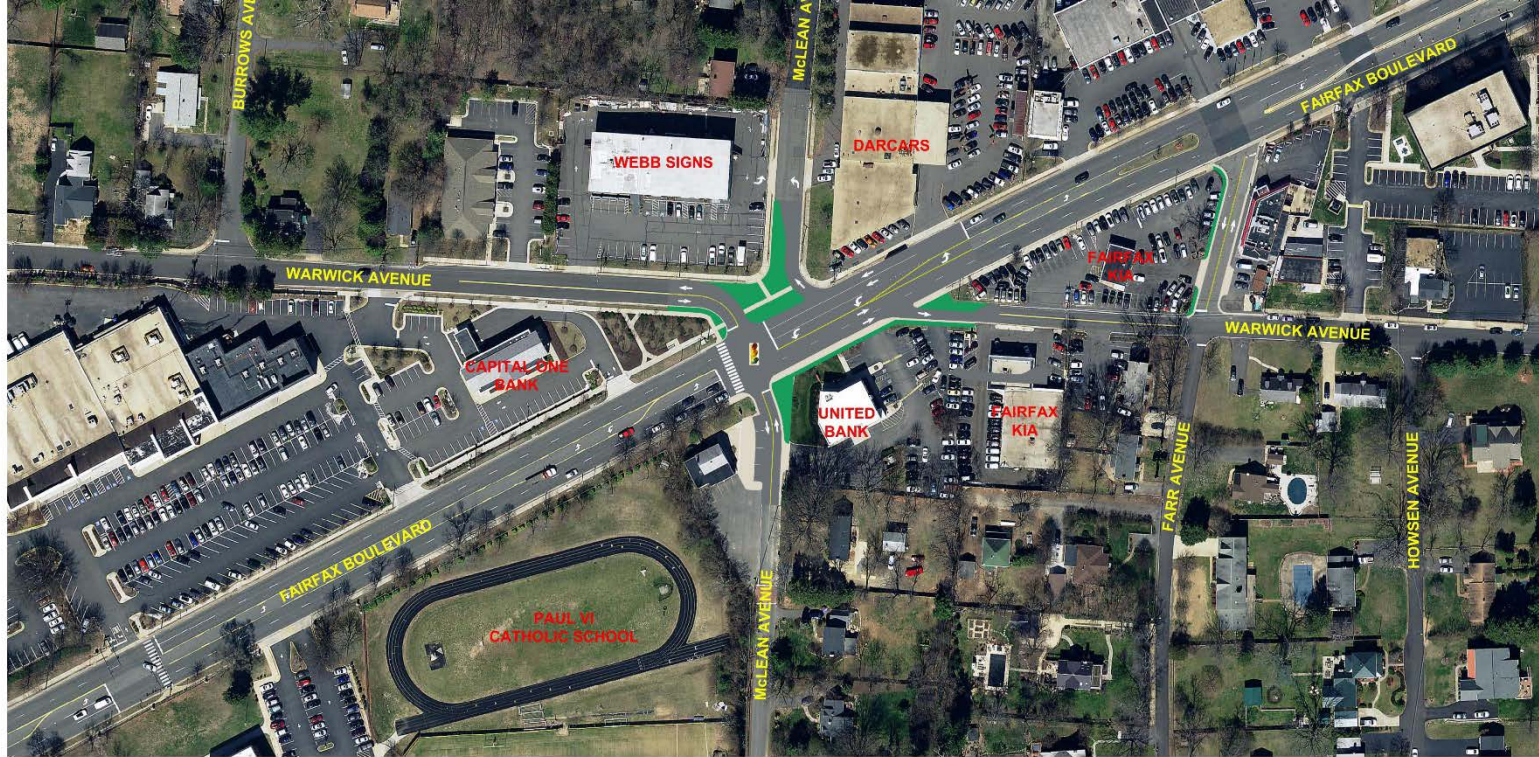


TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

Improvement Option #3

- ▶ Provides un-signalized right-in/right-out access to McLean

Additional Component



FAIRFAX BLVD / WARWICK AVE / MCLEAN AVE - OPTION 1 & COMPONENT 1

INTERSECTION IMPROVEMENTS - CITY OF FAIRFAX, VIRGINIA - May 24, 2018

LEGEND

- GRASS / LANDSCAPE FEATURE
- CONCRETE BORDERS / CURB / CONCRETE FEATURE
- NEW PAVEMENT / ASPHALT FEATURE
- EXISTING TRAFFIC SIGNAL REMOVED
- NEW TRAFFIC SIGNAL OR EXISTING TRAFFIC SIGNAL TO REMAIN IN PLACE



Additional Component

- ▶ Provides on-street parking on McLean, improving safety/operations within functional area of intersection

Next Steps

- ▶ June 1, 2018: Smart Scale Pre-Application Due to VDOT
- ▶ Mid-June, 2018: Council and community re-engagement
- ▶ July, 2018: City Council Resolution of Support for Application
- ▶ August 1, 2018: Smart Scale Final Application Due to VDOT

Questions / Comments?

- ▶ **Your feedback is important!**
 - Fill out comment cards
 - Review the information boards
 - Ask questions or provide feedback to any staff with nametags
- ▶ Feedback on project elements will help shape the direction of this project