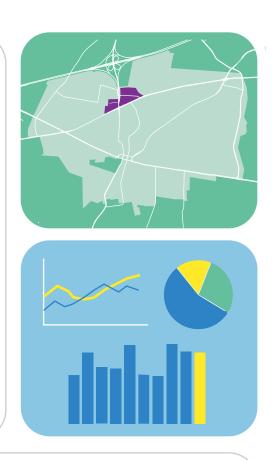
# Northfax FACT BOOK





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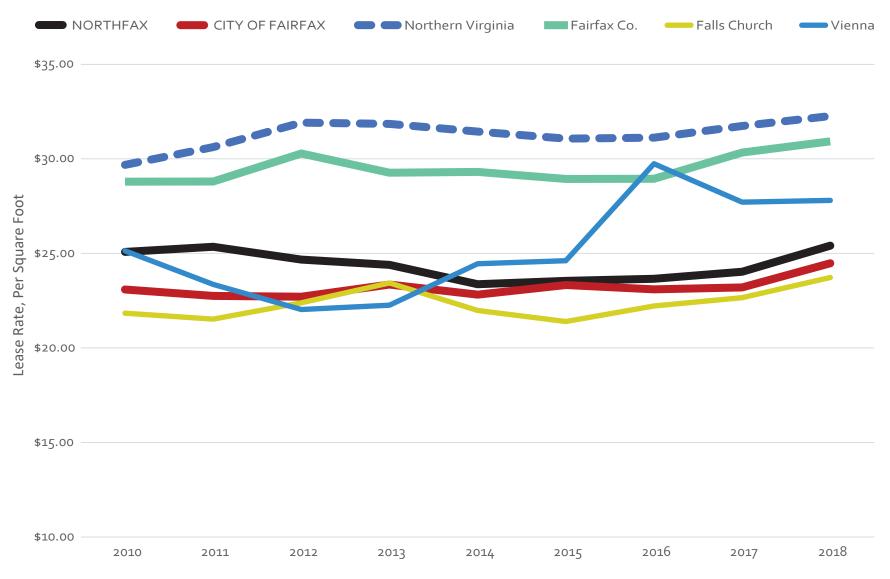
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#### **Office Lease Analysis**

Northfax, City of Fairfax, and Select Northern Virginia Areas, 2010-2018

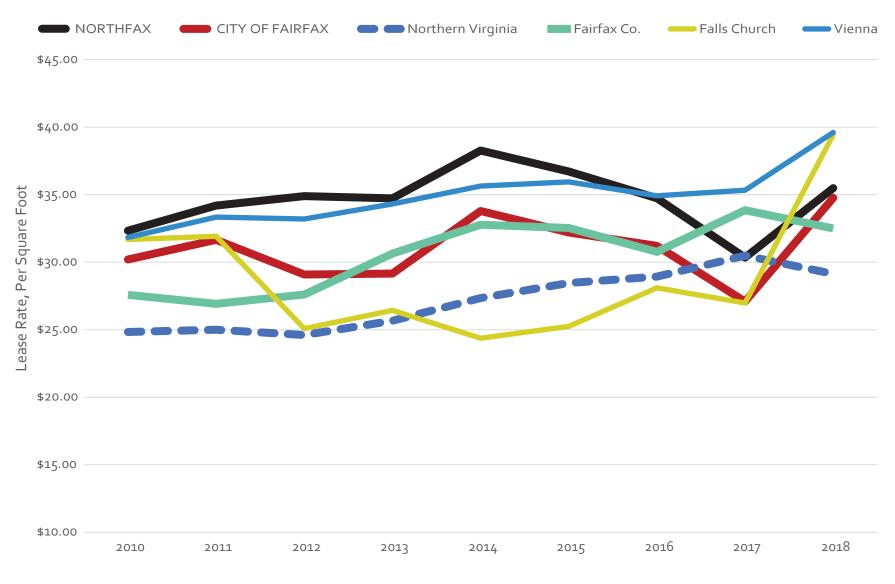


NOTE: Lease rates shown for Gross Direct Rent.

Source: CoStar, January 2019

#### **Retail Lease Analysis**

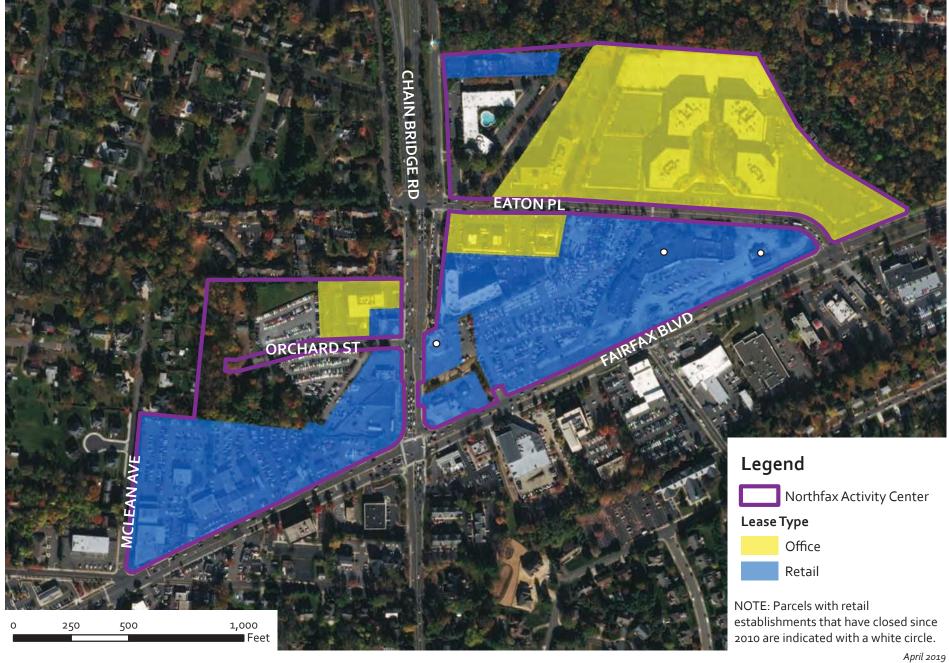
Northfax, City of Fairfax, and Select Northern Virginia Areas, 2010-2018



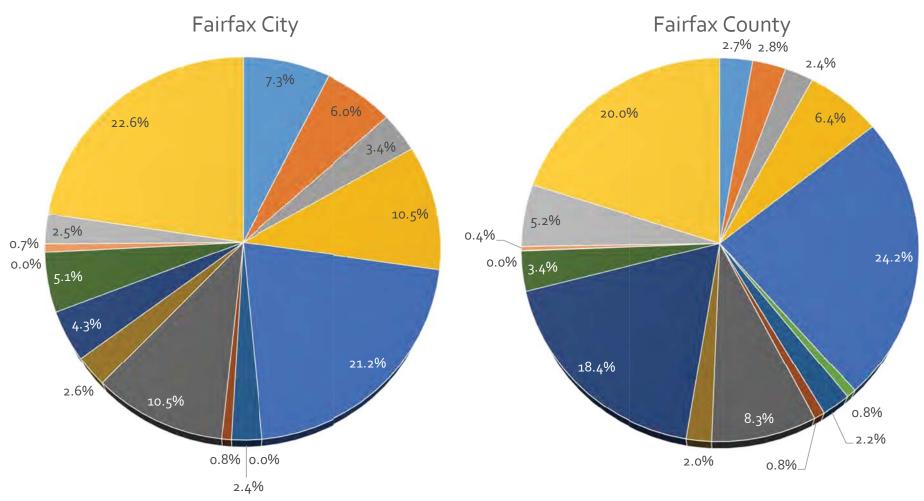
NOTE: Lease rates shown for NNN direct leases.

Source: CoStar, January 2019

#### Northfax Offices and Retail Establishments Included in Office and Retail Lease Analyses (2010-2018)



## Taxable Sales as a Percentage of Consumer Goods and Services Sales, 2018



- Motor Vehicle and Parts Dealers
- Furniture and Home Furnishings Stores
- Electronics and Appliance Stores
- Building Material and Garden Equipment and Supplies Dealers
- Food and Beverage Stores
- VA ABC Stores
- Health and Personal Care Stores
- Gasoline Stations

- Clothing and Clothing Accessories Stores
- Sporting Goods, Hobby, Book, and Music Stores
- General Merchandise Stores
- Miscellaneous Store Retailers
- Performing Arts, Spectator Sports, and Related Industries
- Amusement, Gambling, and Recreation Industries
- Accommodation
- Food Services and Drinking Places

#### Northfax Building Value to Land Value Ratio



Northfax Proposed and Planned Development Projects

and Transportation Improvements George T. Snyder Trail (Planned) CHAIN BRIDGE RD Fairfax Shopping Center Chain Bridge Rd/ (Planned) Eaton Pl Intersection EATON PL Improvements Northfax East, (Planned) University Di Extension (Planned) Fairfax Blvd Trail (Proposed) **ORCHARD ST** Northfax West Roadway AIRFAXBLVD Network (Planned) Legend -Fairfax Blvd/ **Transportation Improvements** Warwick Ave/ Intersection improvements McLean Ave • • • • • Multimodal improvements Intersection Brown's Mazda ■ New roadway **Improvements** (Proposed) (Planned) New sidewalk Off-Street Bike Trails **Development Inquiries** 600 1,200 Northfax Activity Center

#### **Transportation Network**

#### TOTAL VEHICULAR NETWORK



A comparison of the entire City of Fairfax street grid to a functional grid, where all roads can be used to make connections to any other part of the city, paints a stark picture. The east side of the city almost entirely consists of neighborhoods isolated by physical barriers. The west side of the city is far more integrated with the city center and areas immediately northwest, southwest, and south of city boundaries. When the trail network and other non-motorized connections are introduced, the east side, as well as the city as a whole, sees much higher network connectivity.

PREPARED BY NELSON\NYGAARD

SOURCE: Fairfax City, 2016

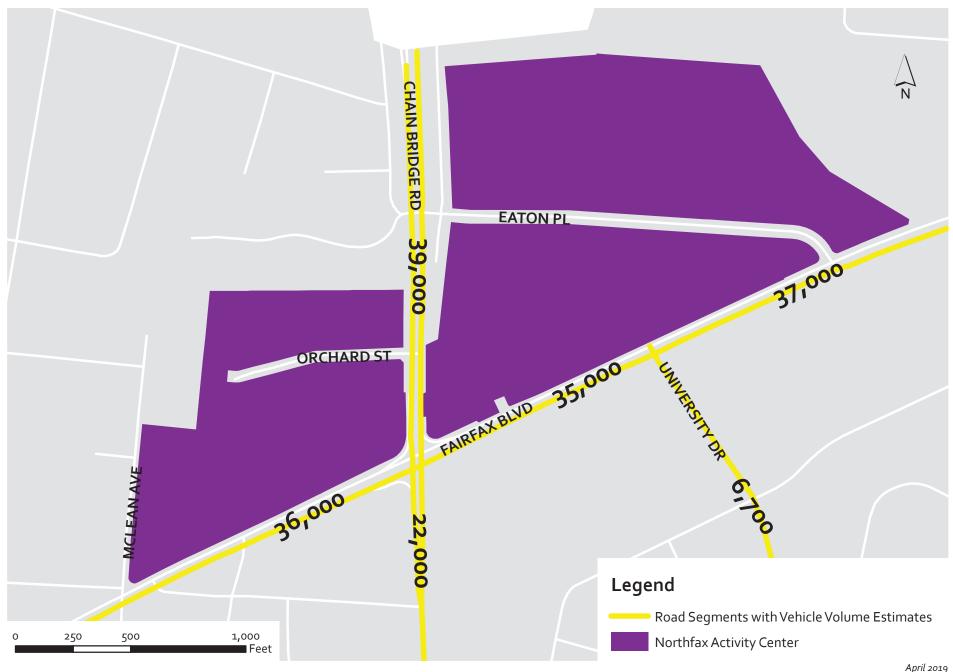
#### **FUNCTIONAL VEHICULAR NETWORK**



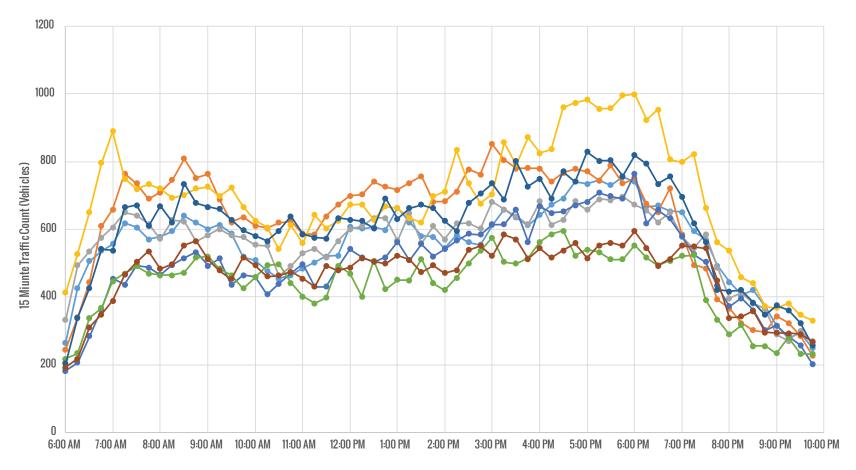
#### FUNCTIONAL NON-MOTORIZED NETWORK



#### Northfax Annual Average Daily Traffic Volume Estimates, 2017



#### 15 Minute Traffic Trends



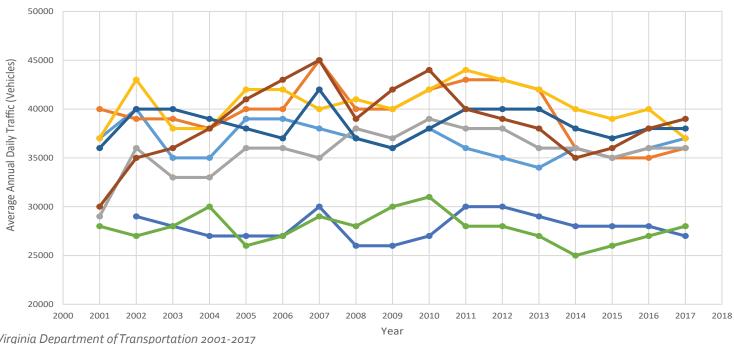
- --- (1) US 29 between Jermantown Road and US 50/Main Street
- (2) Main Street between US 29/50 and West Street
- --- (3) US 29/50 between 29/Lee Highway and Chain Bridge Road
- (4) US 29/50 between Plantation Parkway and Draper Drive
- --- (5) Pickett Road between Main Street and Colonial Avenue
- --- (6) Chain Bridge Road between City Line and Judicial Drive
- --- (7) Main Street between Old Lee Highway and Whitacre Road
- (8) Chain Bridge Road between US 29/50 and Interstate 66

SOURCE: Quality Counts, 2012

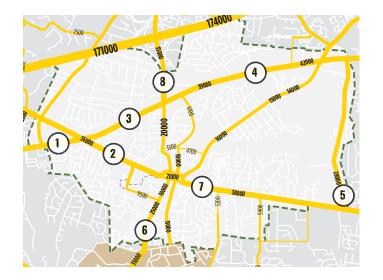
PREPARED BY NELSON\NYGAARD

Certain arterials, such as Fairfax Boulevard east of Chain Bridge Road, experience discrete peak periods where traffic counts are highest. Most, however, experience a consistent traffic level throughout the day from 7:00 a.m. to 7:00 p.m.

#### **Annual Traffic Trends**



SOURCE: Virginia Department of Transportation 2001-2017 PREPARED BY NELSON\NYGAARD



- --- (1) US 29 between Jermantown Road and US 50/Main Street
- (2) Main Street between US 29/50 and West Street
- --- (3) US 29/50 between 29/Lee Highway and Chain Bridge Road
- (4) US 29/50 between Plantation Parkway and Draper Drive
- (5) Pickett Road between Main Street and Colonial Avenue
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- --- (7) Main Street between Old Lee Highway and Whitacre Road
- (8) Chain Bridge Road between US 29/50 and Interstate 66

Traffic on most arterials has remained relatively stable over the past 15 years, with some fluctuation from year to year.

**Northfax Posted Speed Limits** CHAIN BRIDGE RD **EATON PL POSTED SPEED LIMIT ORCHARD ST** 5 MPH 10 MPH 15 MPH 20 MPH 25 MPH - 30 MPH - 35 MPH 40 MPH 45 MPH 50 MPH

Source: Fairfax County, 2016 (Updated April 2019)

55 MPH

#### Transit Coverage



The City of Fairfax is crisscrossed by a mix of CUE, Metro, and Fairfax Connector bus service. Multiple routes serve each of the local activity centers, the Vienna/Fairfax Metro station, and George Mason University.

SOURCE: Washington Metropolitan Area Transit Authority, City-University Energysaver, Fairfax Connector, 2016 PREPARED BY NELSON\NYGAARD

#### **Transit Frequency And Span**



#### **AVERAGE TIME BETWEEN BUSES**

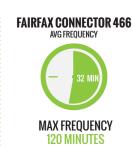
SOURCE: Washington Metropolitan Area Transit Authority, City-University Energysaver, Fairfax Connector, 2016
PREPARED BY NELSON\NYGAARD









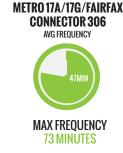








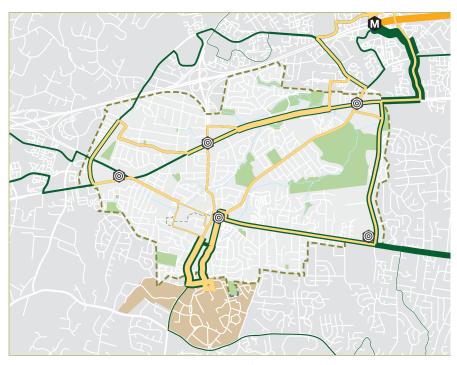






#### **Bus Ridership**

#### **BUS RIDERSHIP - CUE, TOTAL SERVICE**



SOURCE: Metropolitan Washington Council of Governments, 2014

Metro bus stop activity and overall bus corridor activity shows that buses are overwhelmingly used to access the Vienna/Fairfax-GMU Metro station. George Mason University and the Fairfax Circle local activity center are secondary destinations routinely accessed by bus. CUE constitutes are large portion of ridership on transit corridors within the City of Fairfax.

#### **BUS RIDERSHIP + BOARDINGS/ALIGHTINGS - WMATA**

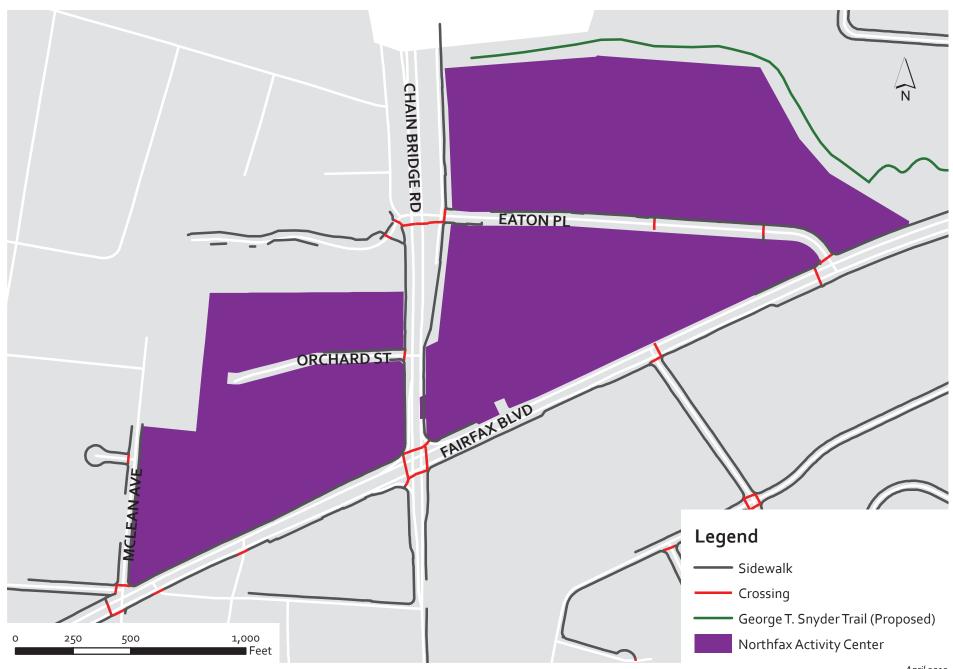


SOURCE: Washington Metropolitan Area Transit Authority, 2015



PREPARED BY NELSON\NYGAARD

#### **Northfax Sidewalk Network**



#### Northfax 15 Minute Walkshed



### Concentration of Community Amenities and Walkable Infrastructure

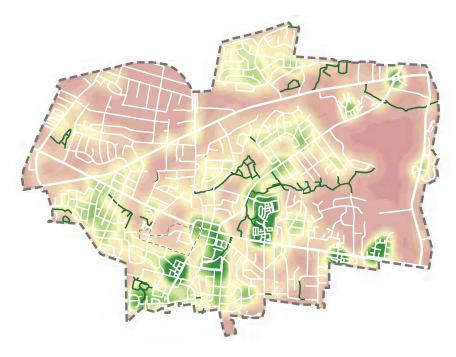
#### **COMMUNITY AMENITY CONCENTRATION**

# Amenities Food, Shopping, Café, Civic, Banking, etc.

#### SOURCE: Google Earth, 2016

PREPARED BY NELSON\NYGAARD

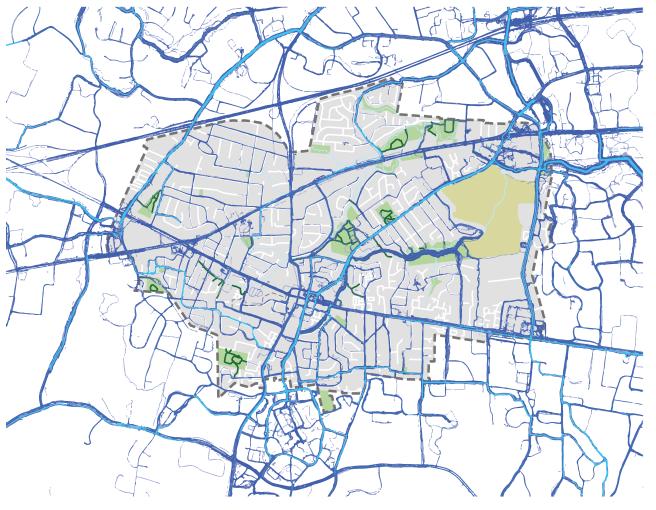
#### WALKABLE INFRASTRUCTURE CONCENTRATION



SOURCE: Fairfax City, 2016

Portions of the City of Fairfax could have excellent walkability based on proximity to amenities alone, however a mismatch between the location of those amenities/attractions (including restaurants, cafés, bars, both small and large format retail, pharmacies, banks, government offices, post offices, schools, and musems) and walkable infrastructure features (sidewalk coverage, high intersection density) reduces the overall attractivness of walking in the city. While walkable areas are dispersed throughout the city, the Old Town local activity center uniquely combines a high destination count with a high concentration of walkable infrastructure. The Old Town infrastructure does come with some limitations however, sidewalks are narrow and lack a protective buffer or planting strip between the walkway and the curb.

#### **Bicycle Activity**



Other than the city's impressive off-street trail network, dedicated bicycle facilities are limited to a shared-use path along George Mason Boulevard, bicycle lanes on Breckinridge Drive, and recently installed bike lanes on Layton Hall Drive and University Drive. As a result, bicycle activity is drawn to major vehicular corridors and limits riders to those with high bicycle stress tolerance.

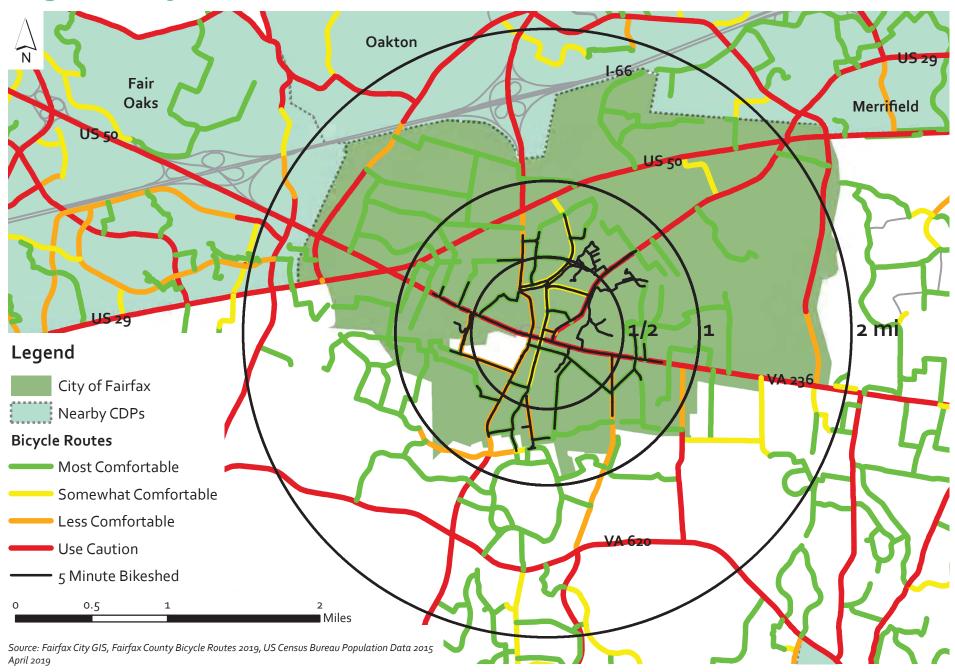
**LEGEND** 

Bicycle Facilities Off-Street Trails



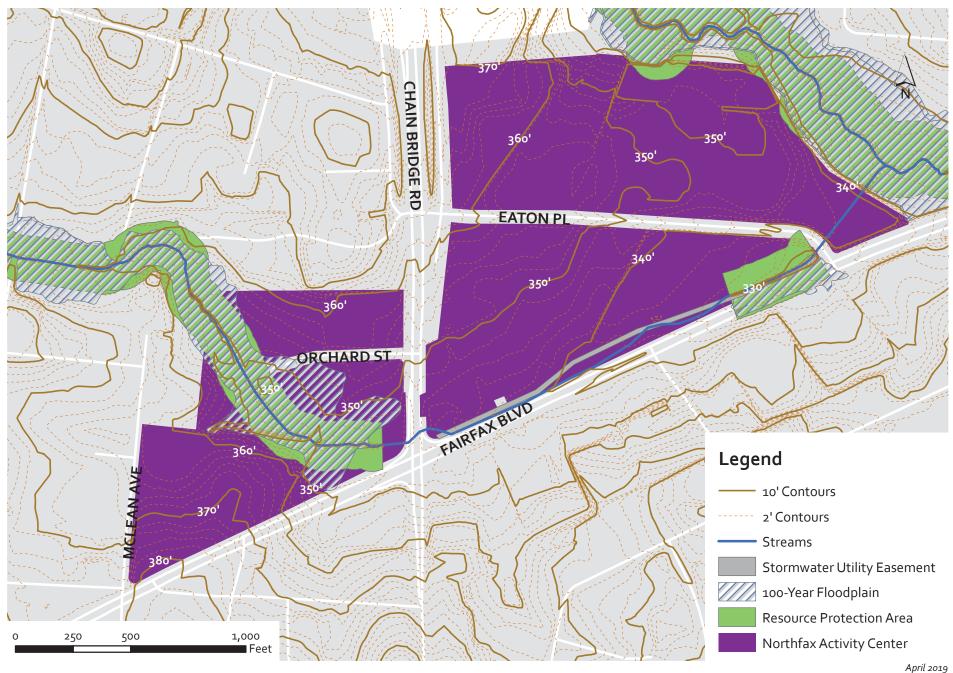
SOURCE: Quality Counts, 2012; Fairfax City, 2016 PREPARED BY NELSON\NYGAARD

#### **Regional Bicycle Routes**

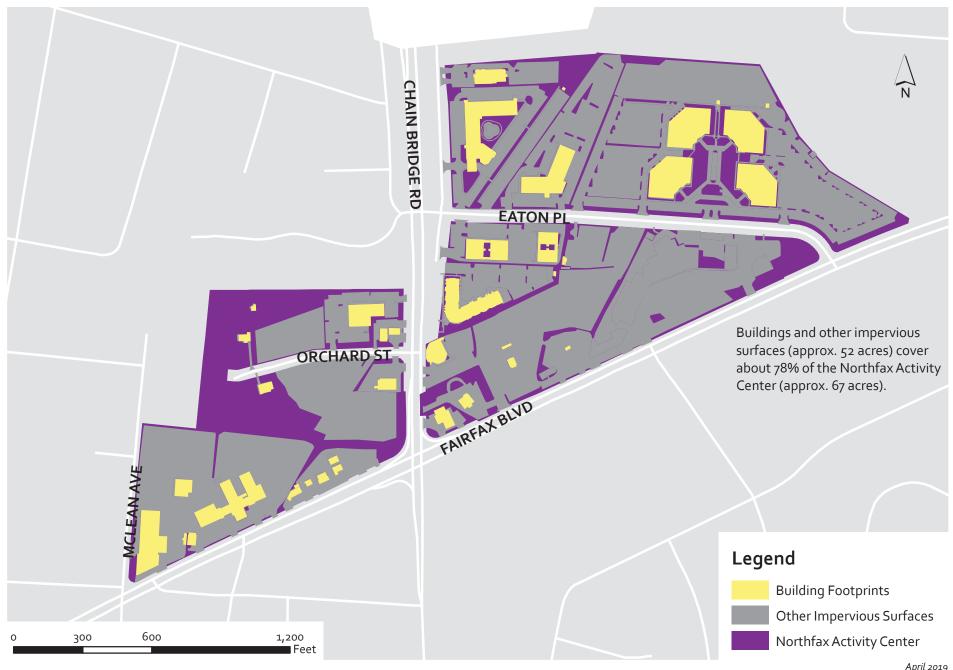


#### Northfax Public Right-of-Way Widths and Building Footprints 305' CHAIN BRIDGE RD 243 EATON PL ORCHARD ST Legend Building Footprint Property Line Road Proposed Road Northfax **Activity Center** 1 inch = 500 feet Source: Fairfax City GIS Parcels 2018, 2013 Impervious Areas, 2018 Buildings, updated 2019

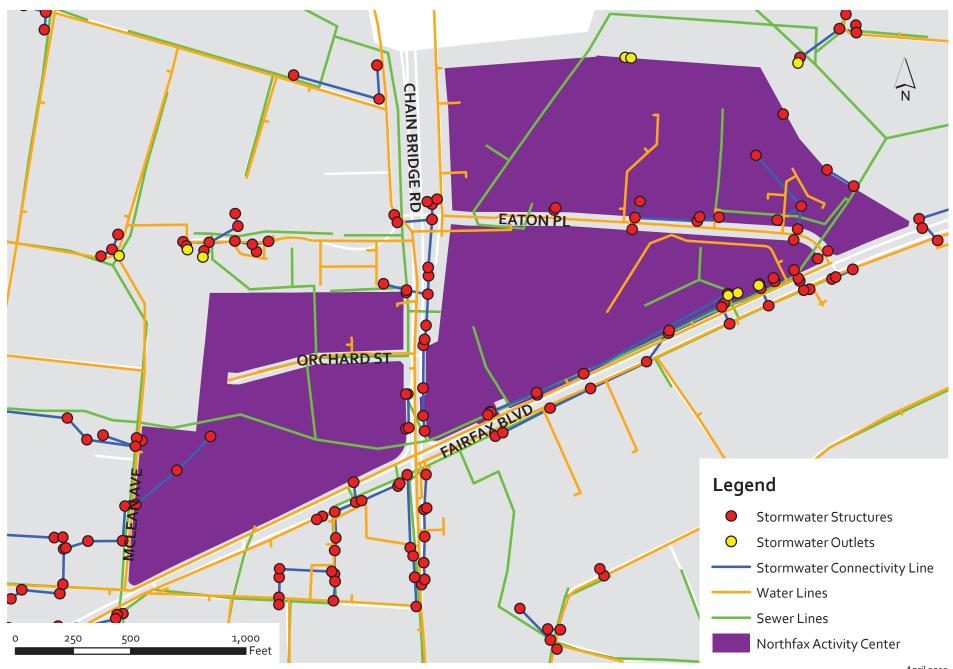
#### Northfax Land Constraints and Environmental Features



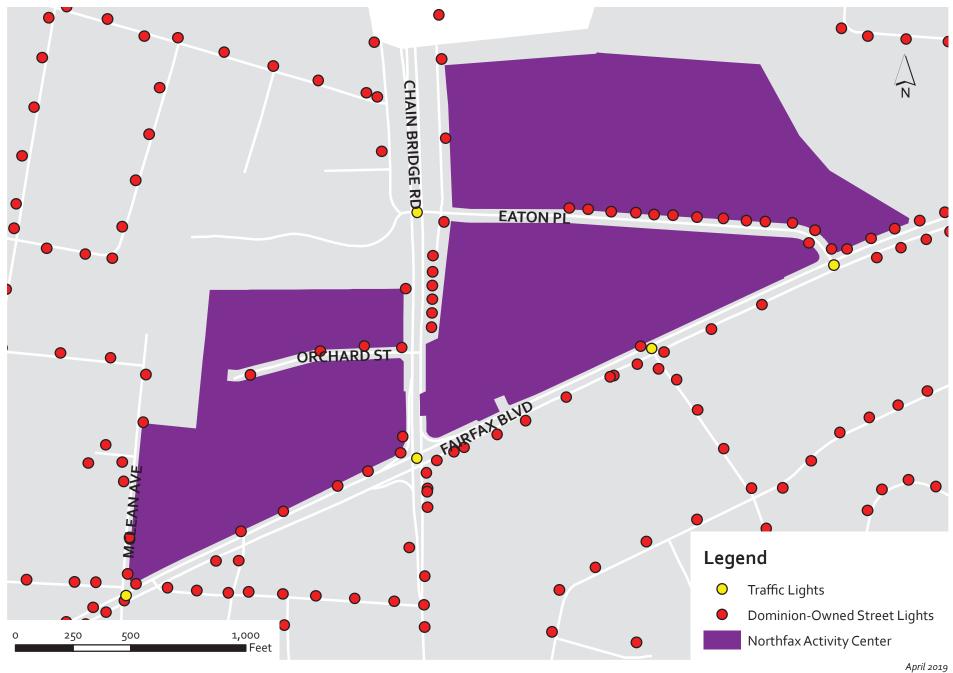
#### Northfax Building Footprints and Impervious Surface



#### Northfax Water and Sewer Infrastructure



#### Northfax Street Lights and Traffic Lights

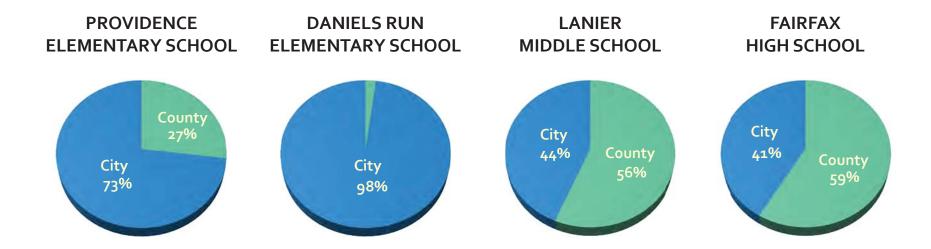


#### Northfax Open Space and Parks by Type



# School Enrollment by Students Place of Residence and Program Capacity

Fairfax County Public Schools (FCPS) located in City of Fairfax, 2016



School	2017 Program Capacity	2010 Enrollment	2017 Enrollment	2017 % of Capacity	2022 Projected Enrollment
Fairfax High	2,407	<sup>2</sup> ,375	2,325	97%	2,295
Lanier Middle	1,147	1,236	968	84%	986
Daniels Run	812	783	765	94%	829
Providence	928	929	909	98%	950

#### **Student Yield Ratios**

Fairfax City, 2018



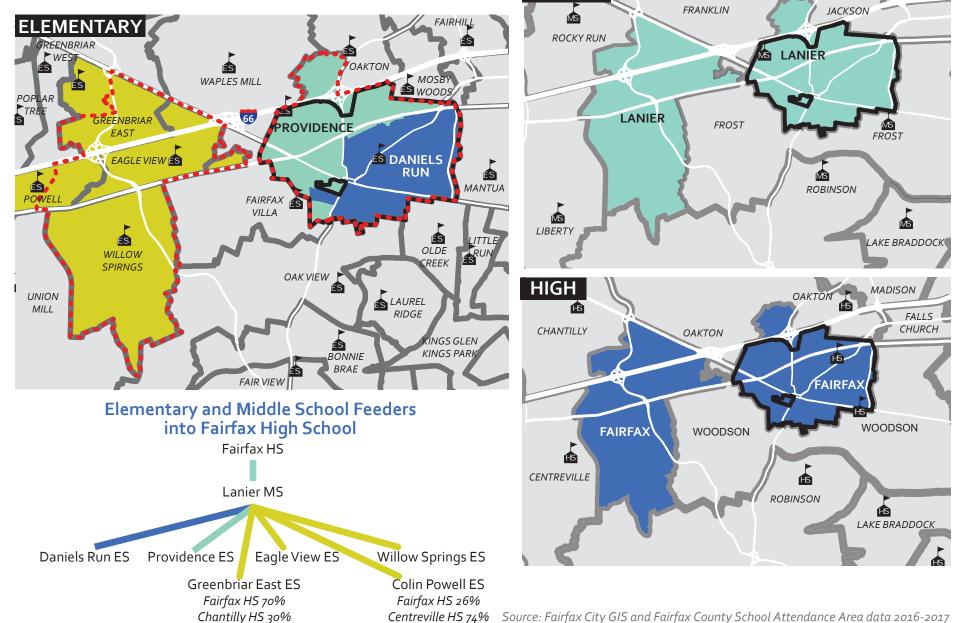


Source: Fairfax City GIS and Fairfax County Public Schools (FCPS) student data 2018-2019

<sup>\*</sup> Student yield ratio for proposed apartments calculated by using yields for similar apartments in areas nearby the City of Fairfax.

#### **School Attendance Areas**

Fairfax County Public Schools, 2016-2017



**MIDDLE** 

THOREAU