

Arlandria-Chirilagua Small Area Plan Update

*Transportation Future
Conditions & Opportunities*

October 2021





Arlandria-Chirilagua Small Area Plan Update

Transportation | Future Conditions & Opportunities

Executive Summary

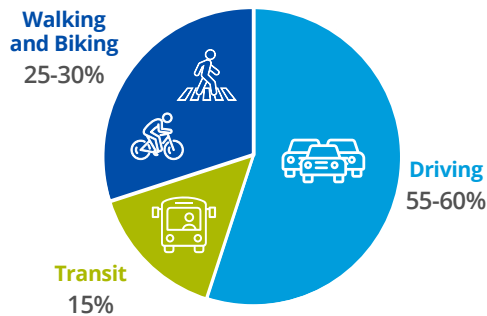
Key Items for the Transportation Study

An evaluation of current conditions in the neighborhood showed that:

- » During the rush hour, Arlandria-Chirilagua **does not experience major traffic delays** along Mount Vernon Avenue and West Glebe Road
- » Crashes are most common at main intersections along Mount Vernon Avenue and West Glebe Road, **many of which result in injuries**
- » The neighborhood is served by **nine bus routes that offer frequent, all-day service**
- » Walking, biking, and bus routes will connect to the **future Potomac Yard Metro station** when it opens in 2022
- » Many current and future destinations can be **reached easily by walking, biking, and public transit**

Right now, **a lot more people get around in Arlandria-Chirilagua by biking, walking, and riding the bus** than in other areas of the City. Residents told us they would like improvements to these options, so with improvements, we are likely to see **more people choosing these ways of getting around in the future.**

How People Will Get Around in the Future



Source: Metropolitan Washington Council of Governments

The transportation study also considered changes in the transportation system since the last plans were approved, which include:



Parking Standards for New Developments



capital bikeshare



Transportation Network Companies



Car Sharing



Dockless Mobility





The City and the community have identified a number of improvements to the transportation system through various planning efforts. The transportation study considered the following plans:



New DASH Network of frequent, all-day bus service



New Potomac Yard Metro station



Street design that meets the needs of all users

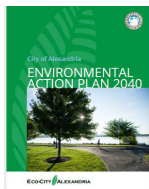


Design and policy efforts to eliminate traffic deaths and serious injuries



Smart Mobility

Investments in technology to better manage traffic and move people more efficiently on our streets



Goals and actions to expand rail, bus, bike, and pedestrian infrastructure and reduce automobile dependency



Focus on expanding high-quality transportation choices to serve the needs of residents, businesses, and visitors

Future Transportation Conditions

The transportation study evaluated future conditions based on planned development and an increase in residents. **It projected that travel options in and around this neighborhood will remain efficient and convenient.**

In the next 20 years:



The number of residents in Alexandria will continue to increase.



New planned development will include additional affordable housing and community amenities.



Local and regional destinations will be easy to reach by walking, biking, and riding the bus.



Even with new development, there will be minimal increases in traffic delay along Mount Vernon Avenue and West Glebe Road.



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Future Traffic

The City estimated what traffic might be like in the future using information about the future number of people and planned development. In the future, driving in the neighborhood will remain easy and convenient.

Morning Peak Hour:

During the morning peak hour, intersections in the neighborhood will see minor increases in traffic delay, with the greatest average increase in delay being 6 seconds at the intersection of Mount Vernon Avenue and West Glebe Road.

Evening Peak Hour:

During the evening peak hour, intersections in the neighborhood will see little to no increase in traffic delay, with the greatest average increase in delay being 3 seconds at the intersection of Mount Vernon Avenue and West Glebe Road.

Legend

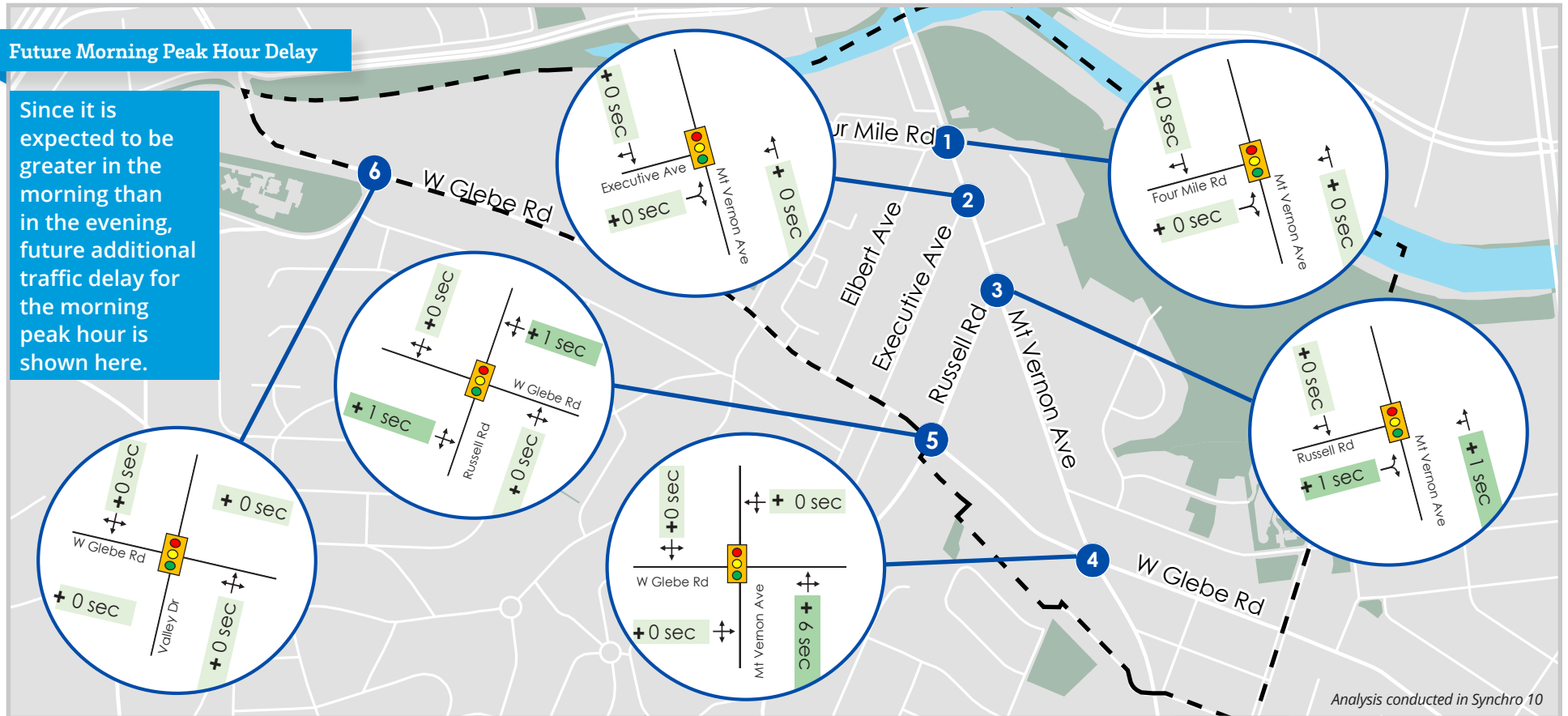
- # Study Intersection: AM Peak Hour
- ▭ Arlandria-Chirilagua Small Area Plan

Color Key

- | | |
|---|---|
| No Delay Added
0 seconds per vehicle increase in delay | Slight Delay Added
15-30 seconds per vehicle increase in delay |
| Minor Delay Added
0-15 seconds per vehicle increase in delay | Major Delay Added
30+ seconds per vehicle increase in delay |

Future Morning Peak Hour Delay

Since it is expected to be greater in the morning than in the evening, future additional traffic delay for the morning peak hour is shown here.



Analysis conducted in Synchro 10

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Future Bus Network

In Fall 2021, DASH implemented major route and service changes as part of the Alexandria Transit Vision Plan's "New DASH Network." Passengers in Arlandria now have more frequent service on certain bus routes.

The New DASH Network is the first major bus network redesign project in the City of Alexandria since the launch of the Alexandria Transit Company in 1984. By 2030, the network will provide access to high-frequency service with buses running every 15 minutes or better, all day, seven days a week to 50,000 additional residents and nearly 25,000 additional jobs.

In Fall 2021, DASH also began operating completely fare-free, expanding transit accessibility to all Alexandrians.

Opportunities

- » Continue to implement and promote the New DASH Network
- » Provide fully accessible bus stops per the Americans with Disabilities Act (ADA)
- » Improve access to bus stops through better sidewalk, bicycle, and ramp improvements
- » Enhance high-use bus stops with shelters, real-time signage, seating, lighting, and other amenities to improve comfort and safety
- » Evaluate operational improvements along Mount Vernon Avenue and West Glebe Road, such as transit signal priority





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Future Pedestrian Network

In the future, sidewalks will remain complete and connected with crosswalks at all major intersections. The City will pursue projects that increase safety and access for people walking, especially in locations where pedestrians are less safe, such as large intersections where people have to walk across many lanes of traffic and driveway entrances to parking lots.

Opportunities

- » Create new pedestrian-friendly streets, alleys, and connections within new developments
- » Evaluate connections for pedestrians, cyclists, and/or scooters between blocks where new street connections cannot fit
- » Enhance safety for people walking at key intersection locations with improved pedestrian signals, new crosswalks, or intersection design that promotes slower and safer driving behavior
- » Improve connections from sidewalks to trails, parks, and open space



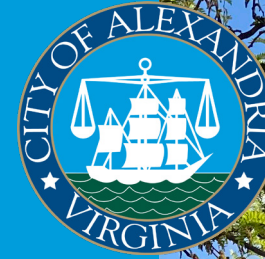
Future Bicycle Network

In the future, the neighborhood will be safer and more comfortable for people biking. The City will pursue projects that increase access for people biking and provide connections to existing and new bike lanes and trails. The City will evaluate how and where bicycles can be safely accommodated on neighborhoods streets. If streets are safe and comfortable for people who bike, more people will use this form of transportation, which helps the City meet its goals of reduced dependence on car trips.

Opportunities

- » Create new bike-friendly streets, alleys, and connections within new developments
- » Evaluate the feasibility of incorporating safe bicycle facilities along Mount Vernon Avenue
- » Enhance safety for people biking at key intersection locations
- » Improve connections to trails, parks, and open space for people biking
- » Install new Capital Bikeshare stations and bike parking in key locations across the neighborhood





Prepared By:

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Expect More. Experience Better.