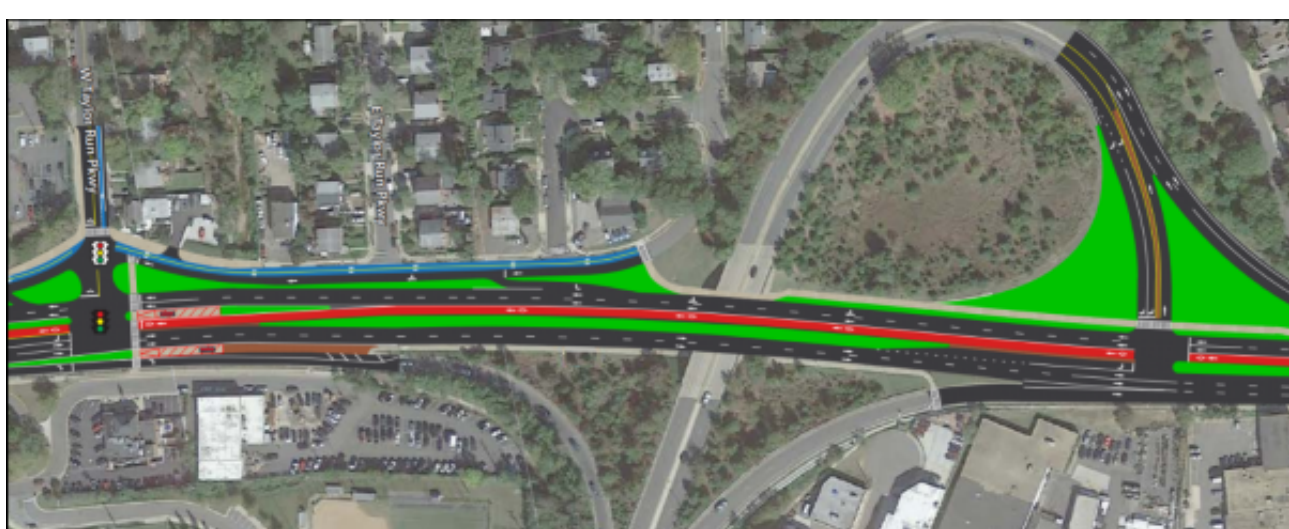


Access

Duke Street at West Taylor Run

The Duke Street at West Taylor Run project aims to improve safety at this high crash intersection while improving traffic flow and access on Duke Street and reducing cut-through traffic in neighborhoods. City staff has been working with the community for several years to finalize conceptual plans for this project. The project includes a new access ramp onto Telegraph Road and a permanent closure of access from West Taylor Run Parkway onto Telegraph Road.



City staff brought forward the final design elements to the Traffic and Parking Board for consideration on May 20, 2024. While staff proposed maintaining a two-way service road, the Board recommended conversion to a one-way street which also included dedicated space for people walking, biking, and scooting. This design option aligns with the [Duke Street in Motion](#) vision and will be considered by City Council in Fall 2024. For more information, visit the [project website](#) or refer to the Traffic and Parking Board [docket materials](#) and [presentation](#).



Transit & Streets

Duke Street Transitway

Earlier this year, City staff finalized recommendations for the remaining elements of the Duke Street Transitway conceptual design phase. City staff updated the Traffic and Parking Board and City Council on the project in May 2024.

At their June 24, 2024, public hearing, the Traffic and Parking Board made recommendations regarding the future design of the Cambridge Road intersection and potential one-way conversion of the service road from West Taylor Run Parkway to Cambridge Road. This fall, City Council will consider the one-way conversion of the service road in Segment 3.

Additionally, City staff has been working with Bishop Ireton High School to address traffic concerns raised by the immediate community on Cambridge Road, with the goal of implementing changes within the 2024-2025 school year.

For further details and project background, please visit the [project website](#) to view the Cambridge Road/Roth Street at Duke Street [design options](#), and a [meeting video](#) and [slide deck](#) from community presentations on this topic. For additional information, visit the [Traffic and Parking Board webpage](#) under June 24, 2024, meeting to review [docket report](#), [presentation](#), and [meeting minutes](#).



Safety

Duke Street at Route 1

The Duke Street at Route 1 project aims to improve safety for all roadway users at two high crash intersections on Duke Street. Over the past two years, City staff have worked with the community to develop design concepts approved by the Traffic and Parking Board in March 2024. In June 2024, the Transportation Commission and City Council endorsed an application for grant funding through the Virginia Department of Transportation to support project design and construction. Meanwhile, City staff remain committed to implementing short-term signage and striping improvements.

For more information, visit the [project webpage](#).

Duke Street Vision Zero & Safety Enhancements

City staff is working with in-house crews and contractors to implement improvements approved by the Traffic and Parking Board, including No Turn on Red signage, leading pedestrian intervals, painted curb extensions, and more. Because the work requires multiple crews to address pavement markings, signs, and traffic signals, close coordination is necessary to mitigate delays. The safety treatments are currently planned to be implemented later this year.

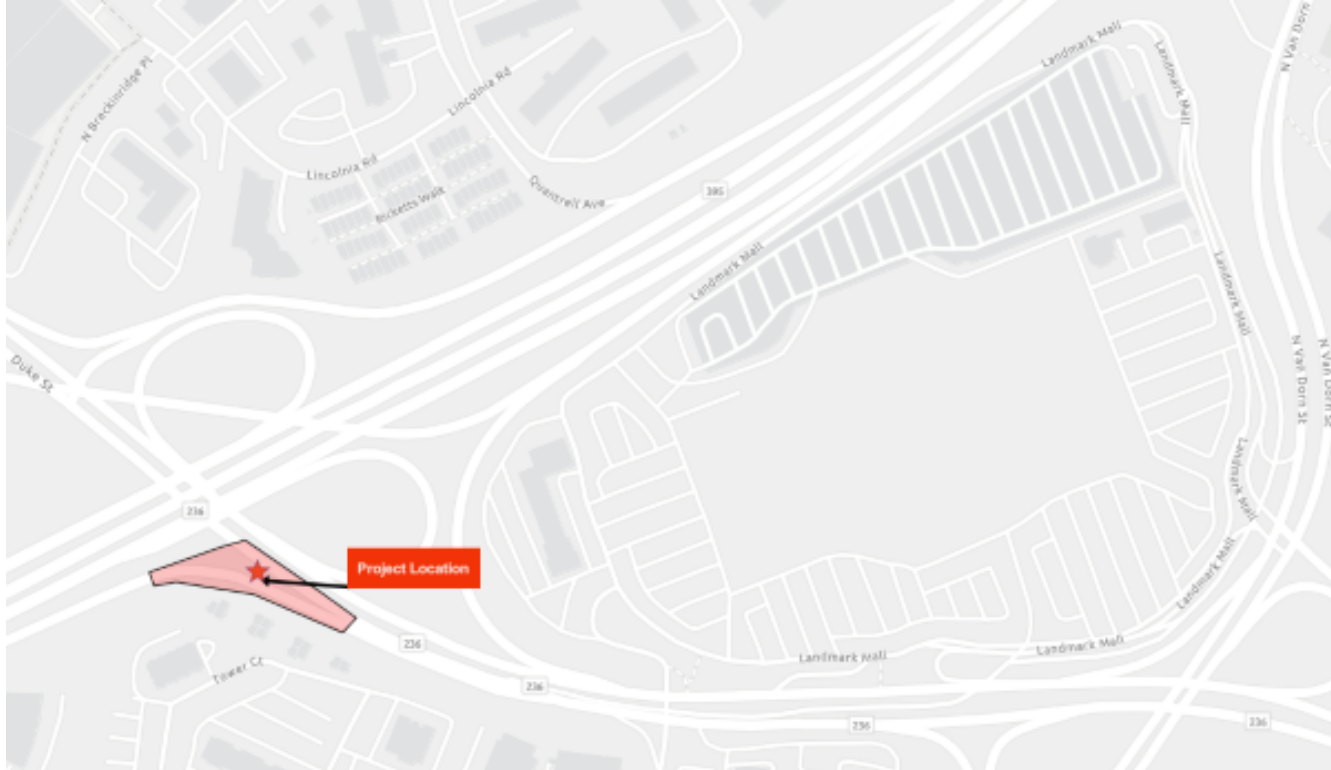


These treatments are part of [Duke Street Turn Calming project](#) to implement near-term safety improvements on Duke Street, which is one of the City's [high-crash corridors](#). Since 2017, there have been over 150 crashes on Duke Street between Jordan Street and Ripley Street, over a third of which resulted in a fatality or an injury. All 14 crashes involving people walking resulted in injury or death. Improving safety on the City's high-injury network is key to meeting the City's adopted [Vision Zero](#) goal of eliminating fatal and severe crashes by 2028.

More information is available on the [project webpage](#).

I-395 Northbound Ramp to Duke Street

As part of the [I-395 Northbound Ramp to Eastbound Duke Street Modification Project](#), the City is working to improve safety for users of the I-395 offramp onto eastbound Duke Street and provide access to the proposed INOVA Hospital at the West End Development. This project will include a new signal and a new lane leading into the left turn lanes on Duke Street and into the West End Development at the Walker Street intersection. Currently, the City is finalizing the Transportation Study in partnership with the Virginia Department of Transportation. The design is slated to be completed in Summer 2025 and construction is anticipated in Summer 2027.



The West End Development is currently constructing infrastructure within the site and along Duke Street and North Van Dorn Street. Due to construction, lane closures, lane shifts, and temporary detours are in place. As the project progresses, more details about the maintenance of traffic during construction will be communicated to the public. The infrastructure phase is slated for completion in Fall 2025. Building construction for the West End Development, including the future INOVA Hospital site, is scheduled to start in Spring 2028.

Technology

Smart Traffic Signals

As part of the City's [Smart Mobility Program](#), Alexandria is deploying adaptive traffic signals that detect and respond to real-time travel conditions. This technology will optimize traffic flow, decrease delays, and reduce stops along the Duke Street corridor. The [Adaptive Traffic Signal project](#) will be deployed in two phases:

Phase 1: To install adaptive signals along the Duke Street and Van Dorn Street corridors by the Spring 2025.

Phase 2: To expand the project to other high-congestion corridors throughout the City by the Spring 2026.

To learn more about how the City of Alexandria is embracing technology to manage our transportation system, check out the various projects that make up the [Smart Mobility Program](#).

What's Next?

Street resurfacing and improvement along Duke Street. Residents are encouraged to sign up for the [City's eNews alert service](#) to receive timely notifications on potential disruptions.