

**To:** David Beale, P.E.  
Northern Neck Resident Engineer

**From:** Craig Simpson, P.E.  
Assistant District Traffic Engineer

**Date:** May 19, 2026

**Re:** Intersection Warning signs  
SR-634 King Carter Drive @ SR-727 Lancaster Road  
Lancaster County (Town of Irvington)

**Reference:**

This memorandum responds to a request that was received from the Resident Engineer for the Northern Neck Residency to evaluate the intersection of SR-634 (King Carter Dr.) at SR-727 (Lancaster Rd.) in Lancaster County (Town of Irvington) for the installation of Intersection Warning signs. It was noted in the email that the Town Staff were inquiring about a 3-way Stop due to complaints about confusion at the intersection.

**Background:**

The reviewed segment of SR-634 (King Carter Dr.) at SR-727 (Lancaster Rd.) is a two-way, paved, undivided roadway with centerline pavement markings and no edge line pavement markings. Parking space pavement markings identify on-street parking on the westbound and eastbound sides of SR-634 prior to SR-727. The road width is approximately ~35' (gutter pan to gutter pan) with a sidewalk on the north side of SR-634.

The AADT for the first segment of SR-634 from VA-200 to SR-672 is 1,313 vpd (2024) and the road is classified as a Rural Minor Local. The AADT for the second segment of SR-634 from SR-672 to SR-633 is 412 vpd (2024) and the road is classified as a Rural Minor Collector. The posted speed limit for all of SR-634 is 25-mph with a resolution date of 9/18/2002. The AADT for SR-727 is 19 vpd (2024) and the road is classified as a Rural Local. The posted speed is 25-mph with an unknown resolution date, and a sign install date of 12/10/2010.

**Crashes:**

The most recent reported 3-year crash history from 11/30/2022 to 11/30/2025 within a 250' search radius of the intersection found zero crashes.

*NOTE: Crash records are from VDOT's Roadway Network System (RNS) crash module based on the Department of Motor Vehicle's official record of reportable crashes (those involving an injury or fatality or property damage exceeding \$1,500). Due to the time required to process and code reported crashes, data for the most recent 1-2 months (or more) may not be available.*

## **Review:**

The onsite field review found that the intersection of SR-634 (King Carter Dr.) at SR-727 (Lancaster Rd.) that SR-634 has the right-of-way while SR-721 is stop controlled.

The review also noted the following:

- There is a horizontal turn on SR-634 (King Carter Dr.) at the intersection with SR-727 (Lancaster Rd.).
- SR-634 and SR-727 are both dead-end roads.
- SR-634 has an existing Curve Warning sign with a 10-mph Advisory Speed Plaque in the westbound direction.
- There is not a Curve Warning sign in the eastbound direction.
- On SR-727, at the intersection with SR-634 there is a Stop sign, a Stop Bar, and approximately 50' of Double Yellow Centerline Pavement Markings.
- On SR-727 there is a 25-mph Speed Limit sign and a No Outlet sign at the intersection with SR-672 (Virginia Rd.)

## **MUTCD Multi-way Stop Warrants**

Applicable guidance for installation of a Multi-Way Stop, as presented in the MUTCD, includes intersecting roads with approximately equal volumes, as well as five or more reported crashes in a 12-month period that are correctable by a multi-way stop. The types of correctable crashes would include right and left turn collisions and angle collisions

## **Evaluation & Conclusions**

This intersection is not recommended for a multi-way stop based on the following:

- A. Unequal traffic distribution** - The intersection has unequal traffic distribution with the higher traffic volume on SR-634 (King Carter Dr.) and the lower traffic volume on SR-727 (Lancaster Rd.).

### **SR-634**

- Segment 1 – 48%
- Segment 2 – 21%

### **SR-727**

- 2%

- B. Crash Experience** - The threshold for multi-way stops based on traffic crash experience is five correctable crashes in a twelve-month period. There were no crashes reported at this intersection in the recent 3-year period from 11/30/2022 through 11/30/2025. Therefore, the crash warrant is not met.

## **Recommendations:**

Based on the review findings an All-Way Stop is not recommended. However, the following is recommended to enhance the visibility and awareness of a turn condition for drivers on SR-634 approaching the intersection with SR-727.

- Remove existing No Outlet sign – Reinstall a Dead-End sign.
- Install a Turn Warning (Right) (MOD) sign with 10-mph Advisory Speed Plaque and add Yellow Reflective Tape to the post.
- Remove existing Curve Warning sign with 10-mph Advisory Speed Plaque.

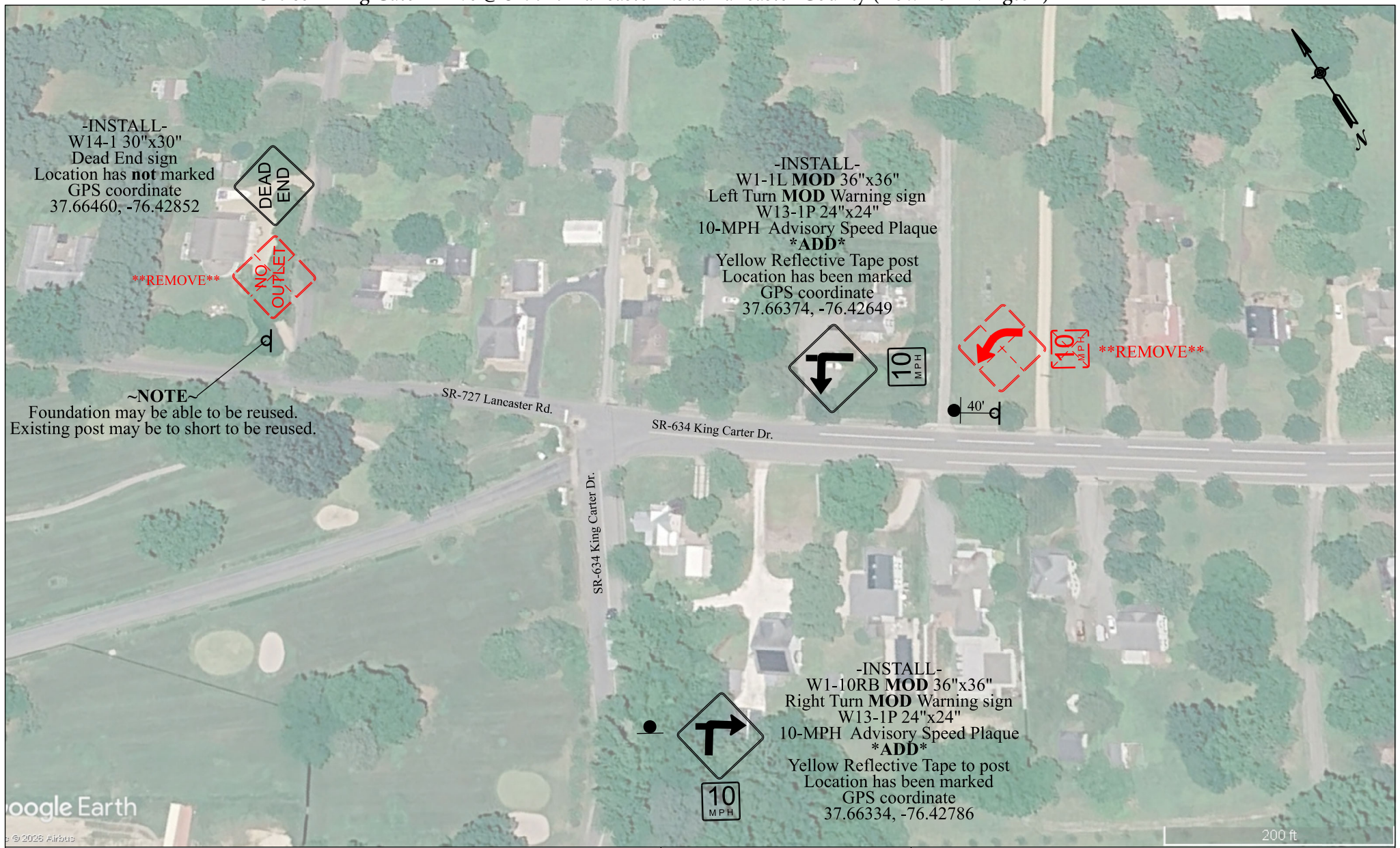
- Relocate and Install a Turn Warning (Left) (MOD) sign with 10-mph Advisory Speed Plaque and add Yellow Reflective Tape to the post.

(see attached sketch)

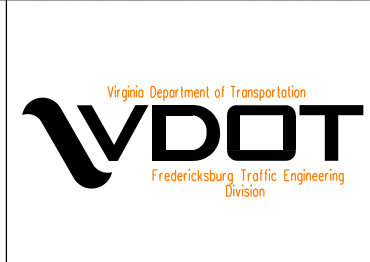
**Intersection of SR-634 King Carter Drive at SR-727 Lancaster Road Lancaster County**



SR-634 King Cater Drive @ SR-727 Lancaster Road Lancaster County (Town of Irvington)



Date: 4/22/2026  
 Drawn By: Jimmie Whitehead  
 Contact Person: Jimmie Whitehead  
 County: Lancaster (Town of Irvington)  
 Location: SR-634 King Carter Dr. @ SR-727 Lancaster Rd.  
 Reviewed By: Rebecca Abecassis



INSTALLED BY: \_\_\_\_\_  
 DATE INSTALLED: \_\_\_\_\_  
 Sheet:  
 1 of 1