Vaden Drive Bridge Demolition

Vaden Drive bridge will close for approximately 10 months to accommodate construction of a new bridge as part of the Transform 66 Outside the Beltway project. The closure is expected to reduce the time needed to demolish and construct the new bridge from 24 months to 12 months. Bridge demolition will begin on Friday, October 18, 2019, and will last approximately 6 weeks. Construction of the new bridge will begin while the remainder of the demolition takes place. The new bridge is anticipated to open in September 2020.

- Demolition of the Vaden Drive bridge will be broken into 5 spans (A, B, C, D, and E; see below).
- Demolition will begin on Span E the weekend of October 18, 2019, and progress north over the next 6 weeks.
  - Span E and the South bridge abutment will include both daytime and nighttime work hours starting around 9:30 p.m. on Friday, October 18, through 5:30 a.m. on Monday, October 21.
  - Spans D, C, B, and A will be demolished in this sequence only during nighttime hours (11 p.m. - 5 a.m.) when multi-lane closures on I-66 are allowed and when it is safe to work over the Metro tracks.
  - The North bridge abutment will be demolished during daytime hours once span A has been removed.
  - Each of the bridge spans over travel lanes or Metro facilities will take approximately 1 week to demolish.
  - Following the demolition of the 5 bridge spans, the bridge piers will be demolished.

Concrete Slab Removal: approximately 50% of demolition time for each span (involves use of jackhammers, saw cutters and hoe rams)

Steel Girder Removal: approximately 50% of demolition time for each span (involves crane lifts to remove bridge beams)

The project has a waiver from the Fairfax County noise ordinance for overnight work. A copy of the waivers for bridge demolition and general construction can be found here:

Pedestrian path under Vaden Drive on the north side of I-66 will close during demolition and construction and will re-open after the new bridge is complete.

Minimizing Impacts to Neighbors

Some construction and demolition activities will generate noise or other impacts. When those activities occur, measures will be taken to minimize impacts as much as feasible.

During Demolition:
- Sand will be used to dampen drop noise in closed travel lanes when possible
- Demolished concrete will be hauled during daytime hours when possible
- Concrete will be processed off site
- Existing community privacy wall will not be impacted during bridge demolition

During Demolition and Construction:
- Lighting will be directed towards roadway
- Dust control measures will be in place
- Construction vibration and noise will be monitored

For project updates and information on detour plans during the Vaden Drive closure visit: outside.transform66.org

Questions about construction activities?

Construction Hotline: (703) 662-3892
E-mail: Outreach@fam66.us