

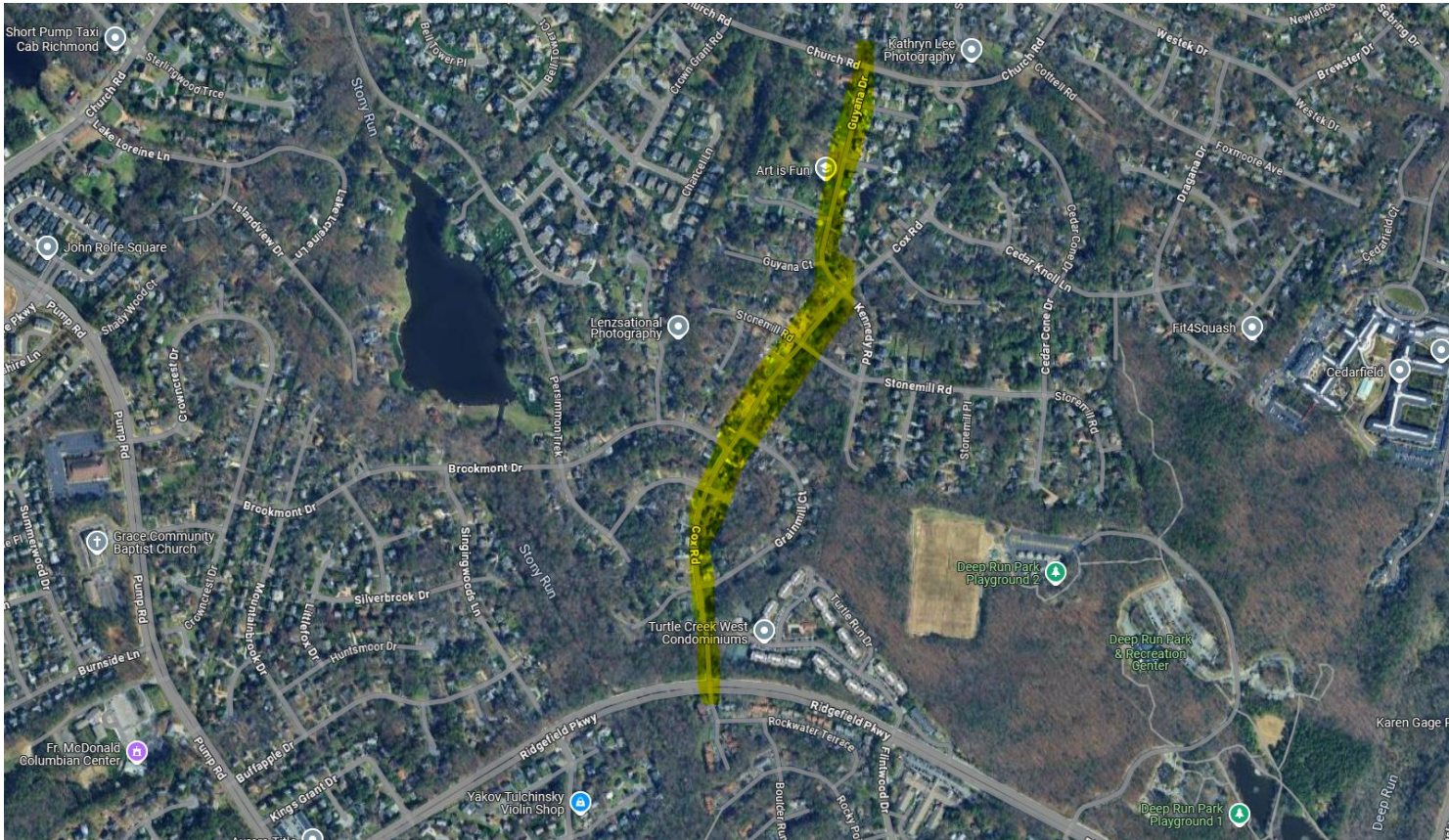
Cox Road and
Guyana Drive
Between Ridgefield
Parkway to Church
Road

Department of Public Works

June 23, 2025



Why are we here?



- Cox Road and Guyana Drive between Church Road and Ridgefield Parkway experience cut-thru traffic
- Residents have expressed concerns regarding safety at this location for pedestrians
- Henrico County Public Works has done speed studies at this location to identify solutions
 - Cox Road – 35 mph
 - Guyana Drive – 30 mph
- The county has a desire to improve safety at this location

Possible Proven Safety Countermeasures

- Speed Limit Reduction – **35 mph to 25 mph in 2022**
 - Serious or fatal crashes with pedestrians
 - Drivers driving at 30 mph have a 45% chance
 - Drivers driving at 20 mph have a 5% chance
- Traffic Calming – **in consideration**
 - Proven at reducing average speeds to under 25 mph
 - Proven at reducing maximum speeds
 - Possible reduction in cut-thru traffic
- Bike Lanes – **in consideration**
 - 30% reduction in total crashes on 2-lane undivided roads
 - 49% reduction in total crashes on 4-lane undivided roads
- **Roundabouts - in consideration**
- <https://highways.dot.gov/safety/proven-safety-countermeasures>

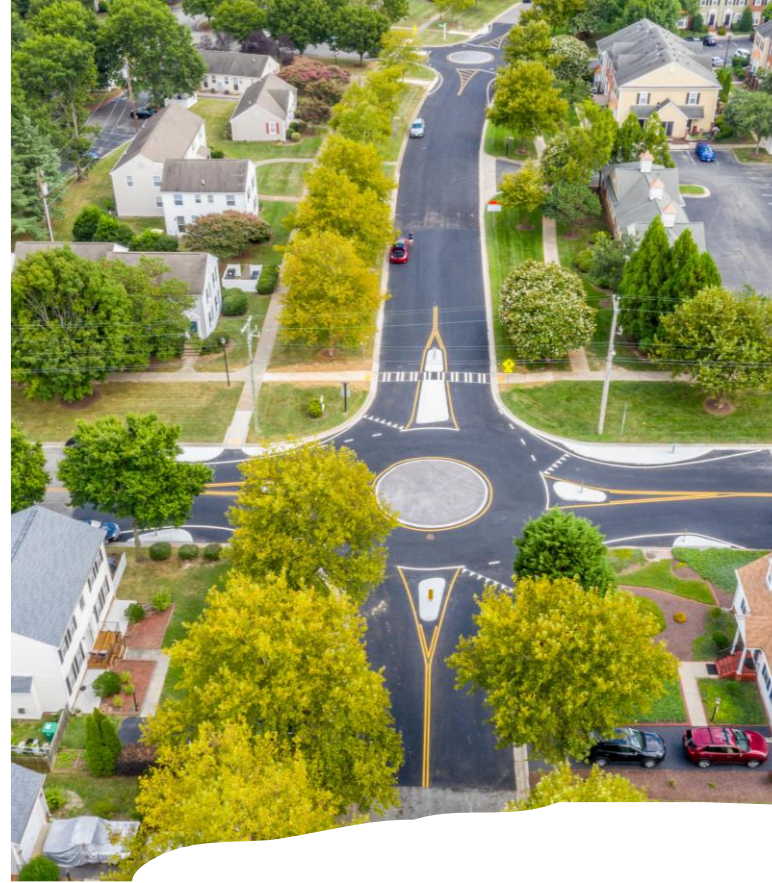
Roundabouts in Henrico

- Henrico has recently constructed 14 roundabouts since 2021
 - 7 are considered neighborhood roundabouts (25 mph roadways)
 - Traffic calming
 - 8 are on two-lane roads with speed (35 mph+)
 - Intersections with severe injury crashes
- Henrico Benefits
 - Reduction in crashes – elimination of injury-causing crashes at all locations
- Reductions in delays
 - Better operations at all intersections



Woodman Road at Magnolia Ridge Drive Case Study

- Woodman Road Extension opened Fall 2022
- After opening, 6 injury crashes occurred in 6 months
- Constructed quick-build roundabout Summer 2023
- Since installation – 0 crashes



Henrico Quick-Build Roundabouts

How they started

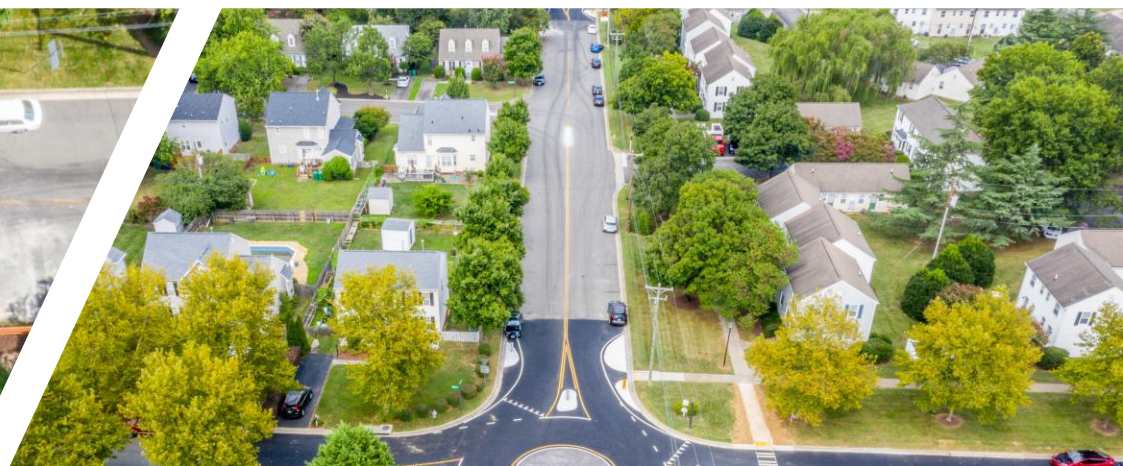
- Quick-build
- Temporary (pilot projects)
- Flexible posts



Crestview/ Charles Glen Subdivision

- Traffic Calming within a subdivision using sequence of roundabouts
- Charles Street- primary route to Crestview Elementary School
- Crashes, including one serious (overturned vehicle)
- Coordinated with HOA on quick-build pilot project
- Henrico Traffic Engineering team installed temporary roundabouts at 5 intersections in October 2021.
- Design for permanent structure began in September 2022
- Construction occurred in July 2023





Crestview Neighborhood - After

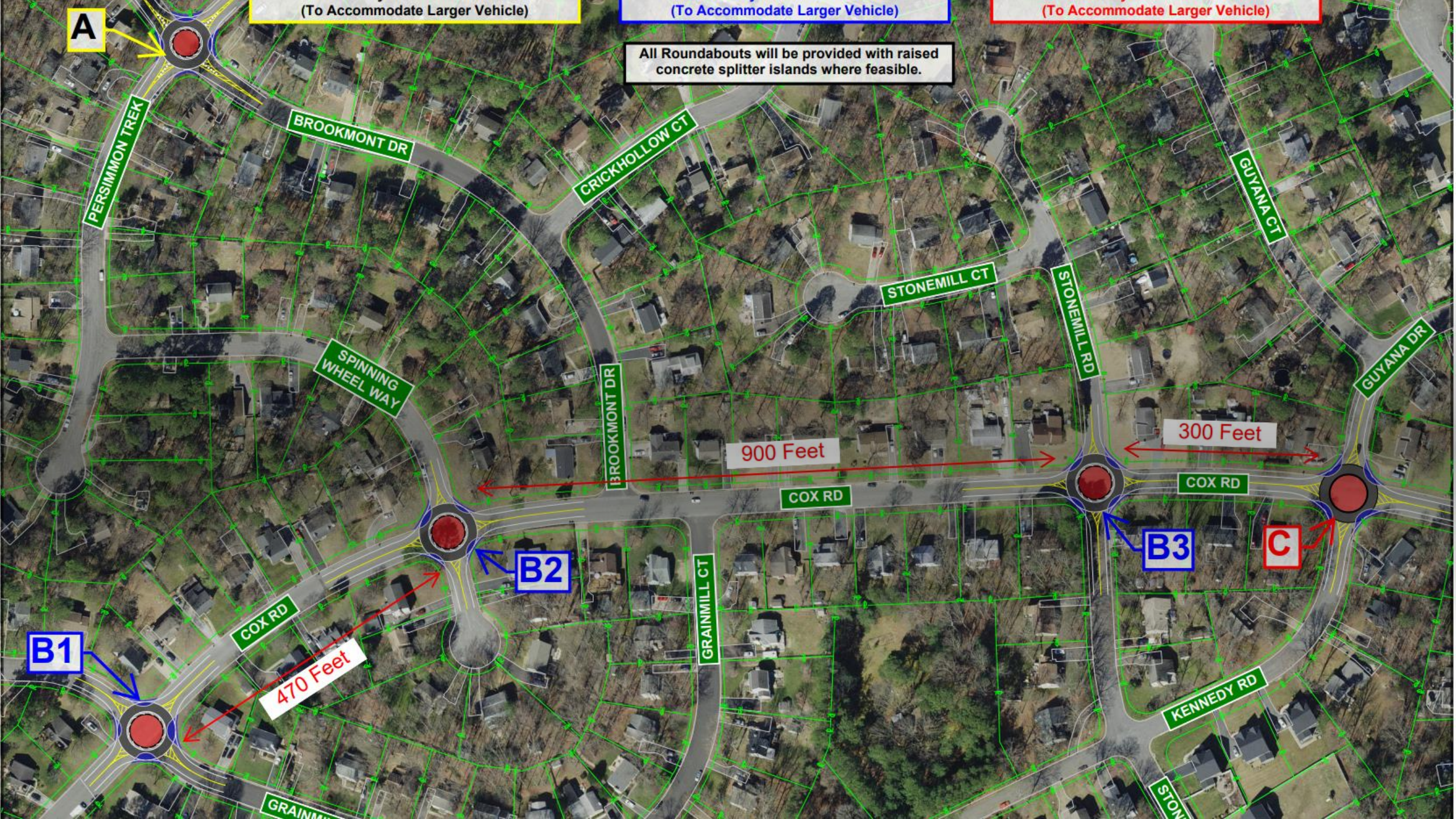
A

(To Accommodate Larger Vehicle)

(To Accommodate Larger Vehicle)

(To Accommodate Larger Vehicle)

All Roundabouts will be provided with raised concrete splitter islands where feasible.



B1

B2

B3

C

470 Feet

900 Feet

300 Feet

**In 2023, Henrico County had:
87 CRASHES involving PEDESTRIANS resulting
in 9 FATALITIES, and
23 CRASHES involving BICYCLISTS resulting in
ONE FATALITY.**

**WATCH OUT AHEAD
HENRICO**

<https://henrico.gov/police/watchoutaheadhenrico/>

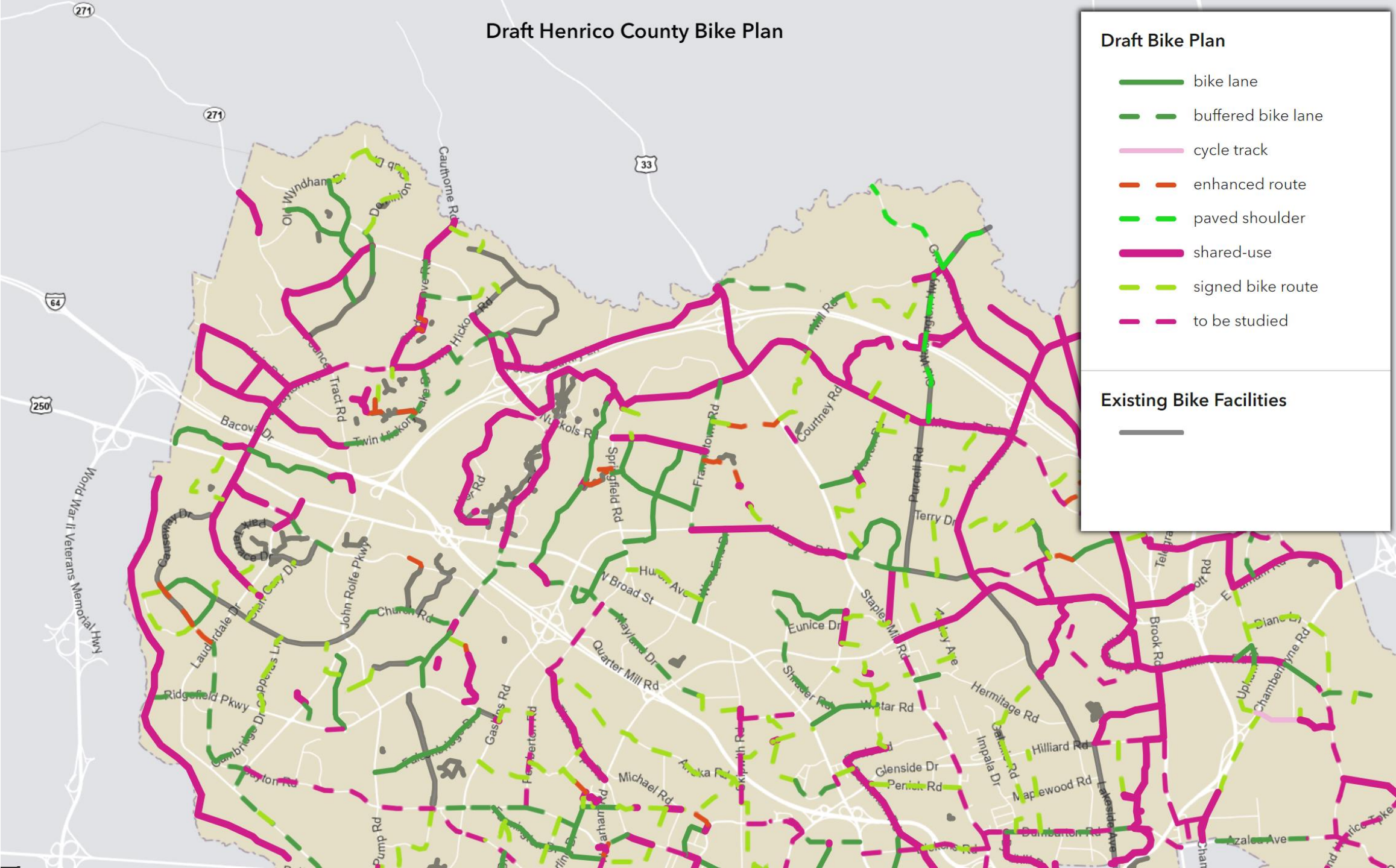


Draft Henrico County Bike Plan

Draft Bike Plan

- bike lane
- buffered bike lane
- cycle track
- enhanced route
- paved shoulder
- shared-use
- signed bike route
- to be studied

Existing Bike Facilities





New Newsletter released last week

Word on the Street allows you to sign up for your desired district and receive monthly updates on projects happening from the Departments of Public Works and Public Utilities. Each newsletter will have upcoming and current projects, as well as information on resources and opportunities available to you from DPU and DPW.



Sign Up Today!

Please Share Your Comments



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